

## **Supplemental Material to:**

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Bo-Wei Han, Kang-Yu Lin, Xiao-Juan Li, Pan-Pan Wei,  
Hua Zhang, Yangqiu Li, and Yue-Qin Chen**

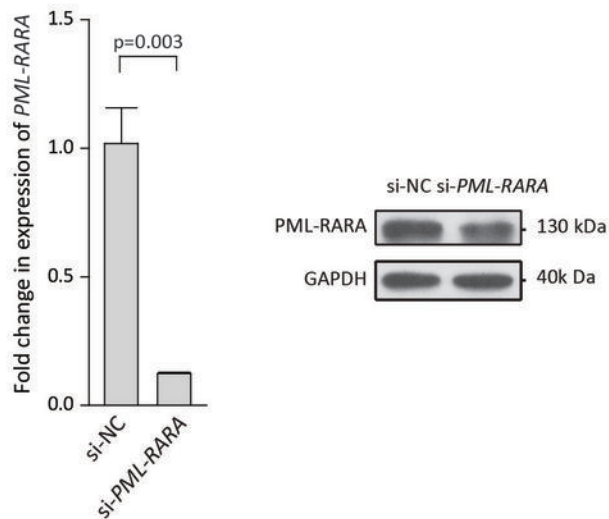
***MIR125B1* represses the degradation of the PML-RARA  
oncoprotein by an autophagy-lysosomal pathway in acute  
promyelocytic leukemia**

**Autophagy 2014; 10(10)**

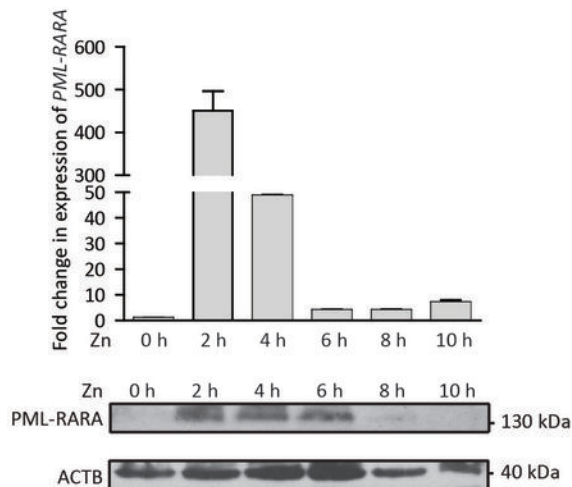
**<http://dx.doi.org/10.4161/auto.29592>**

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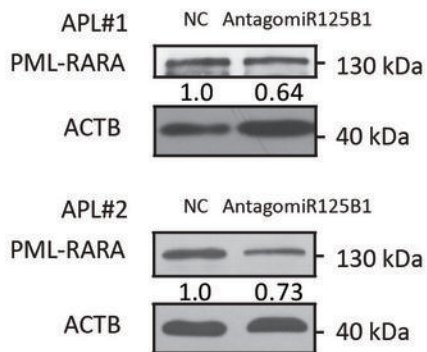
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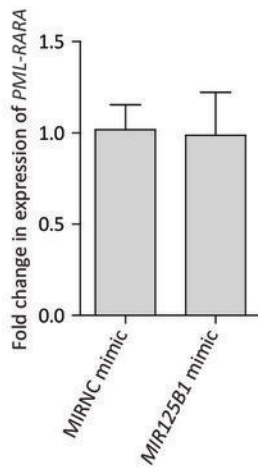
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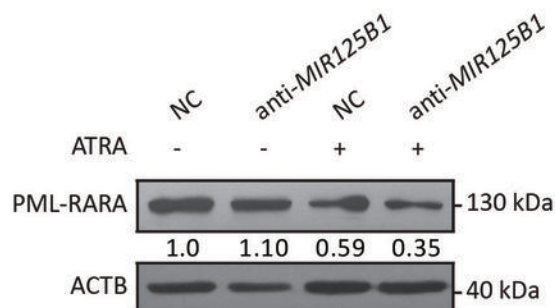
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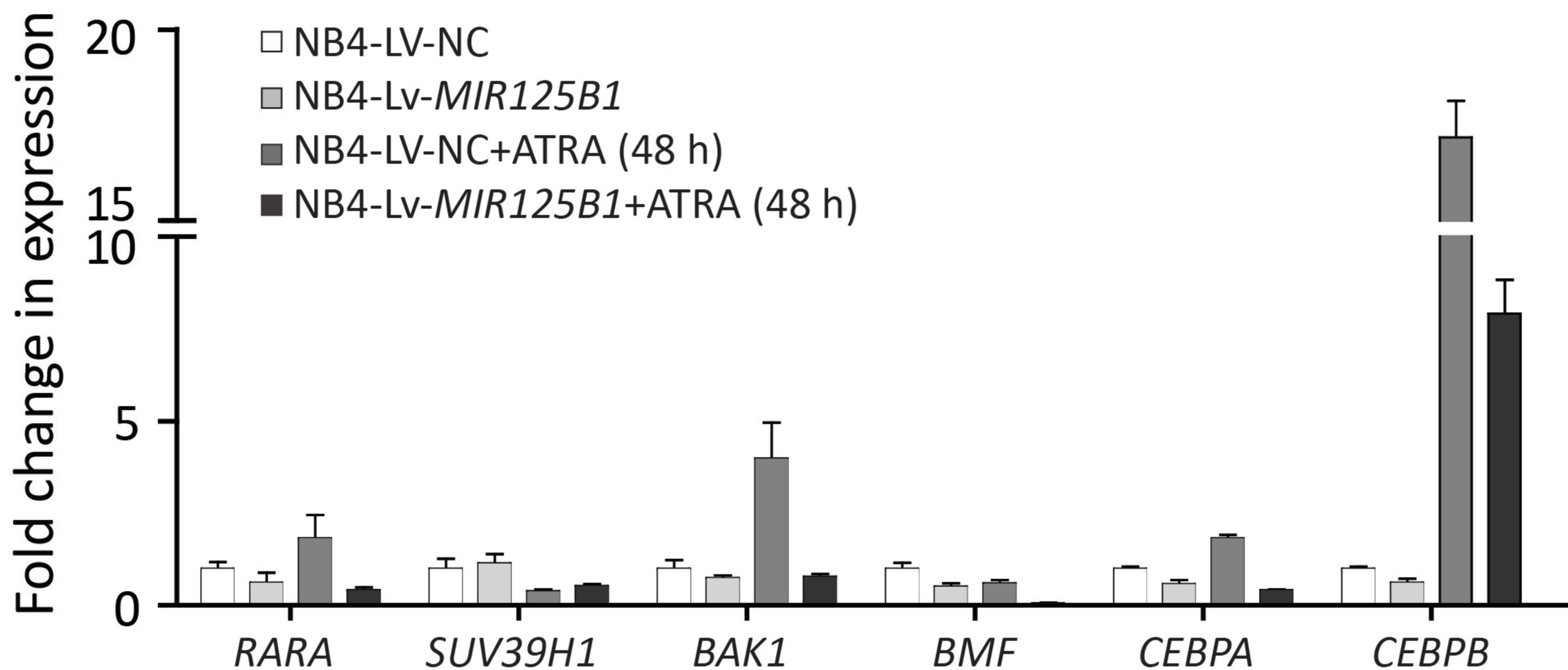


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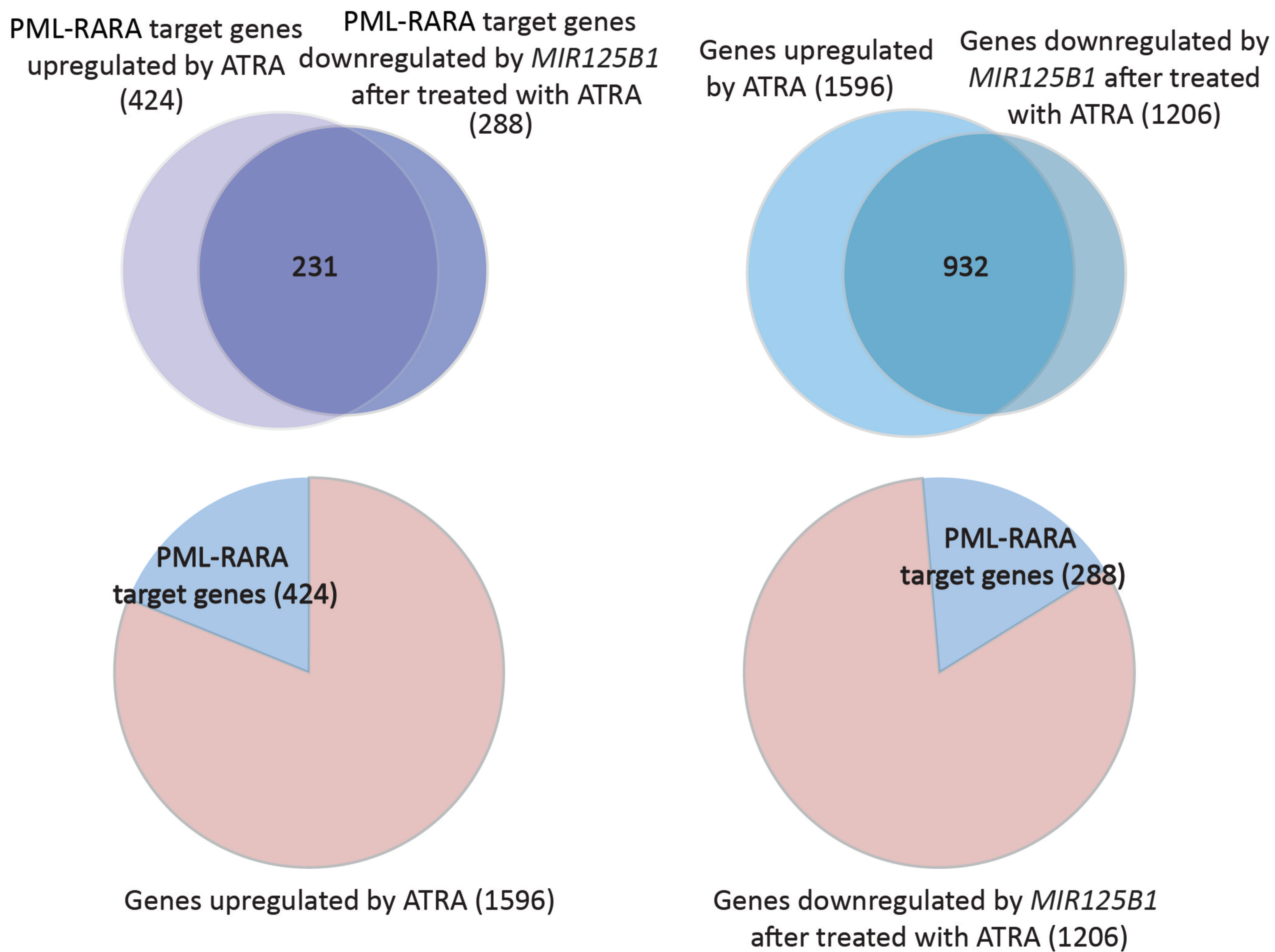




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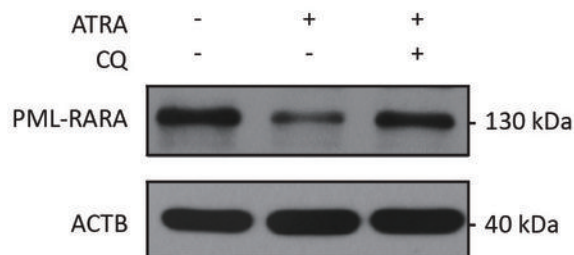


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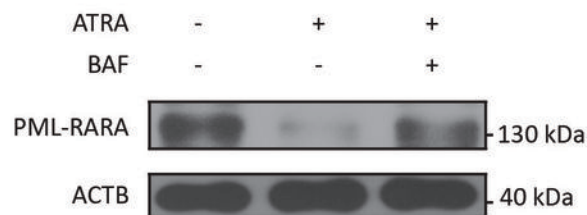




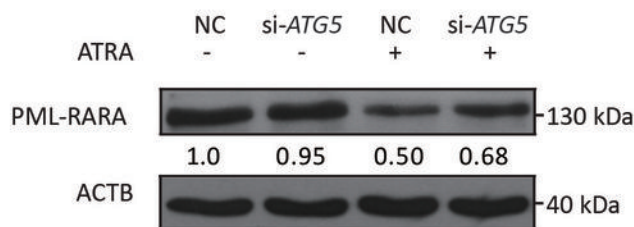
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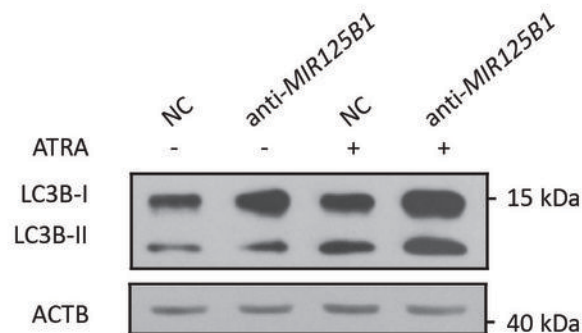
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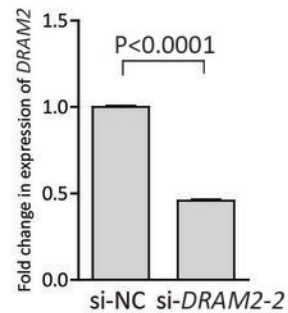
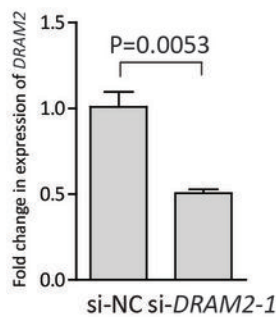
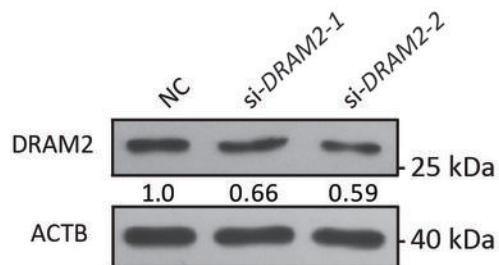
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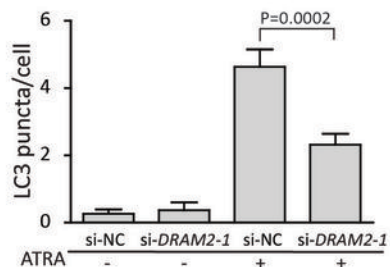
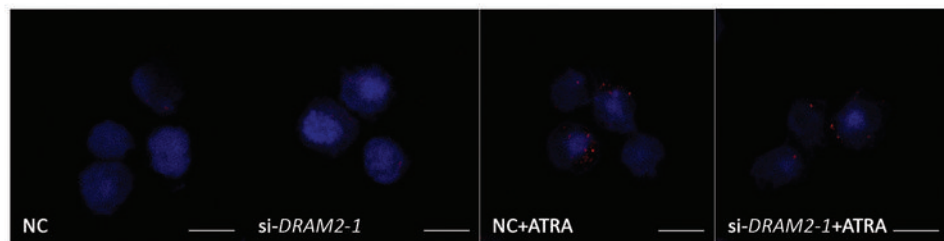


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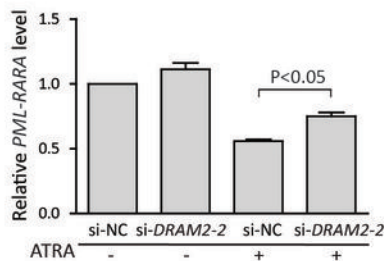
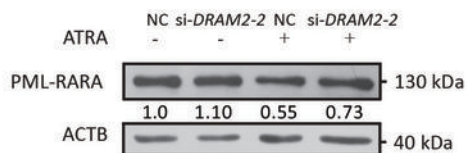




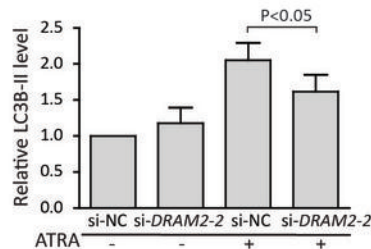
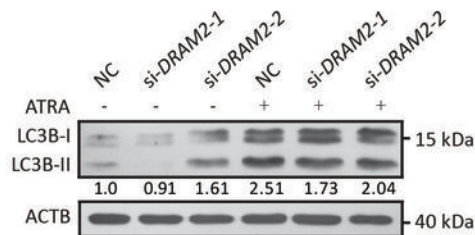
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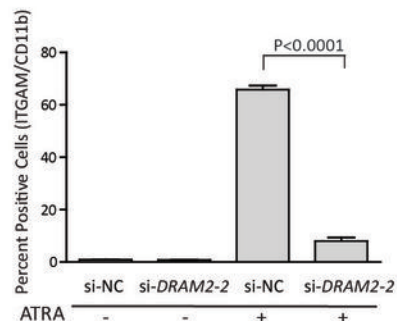
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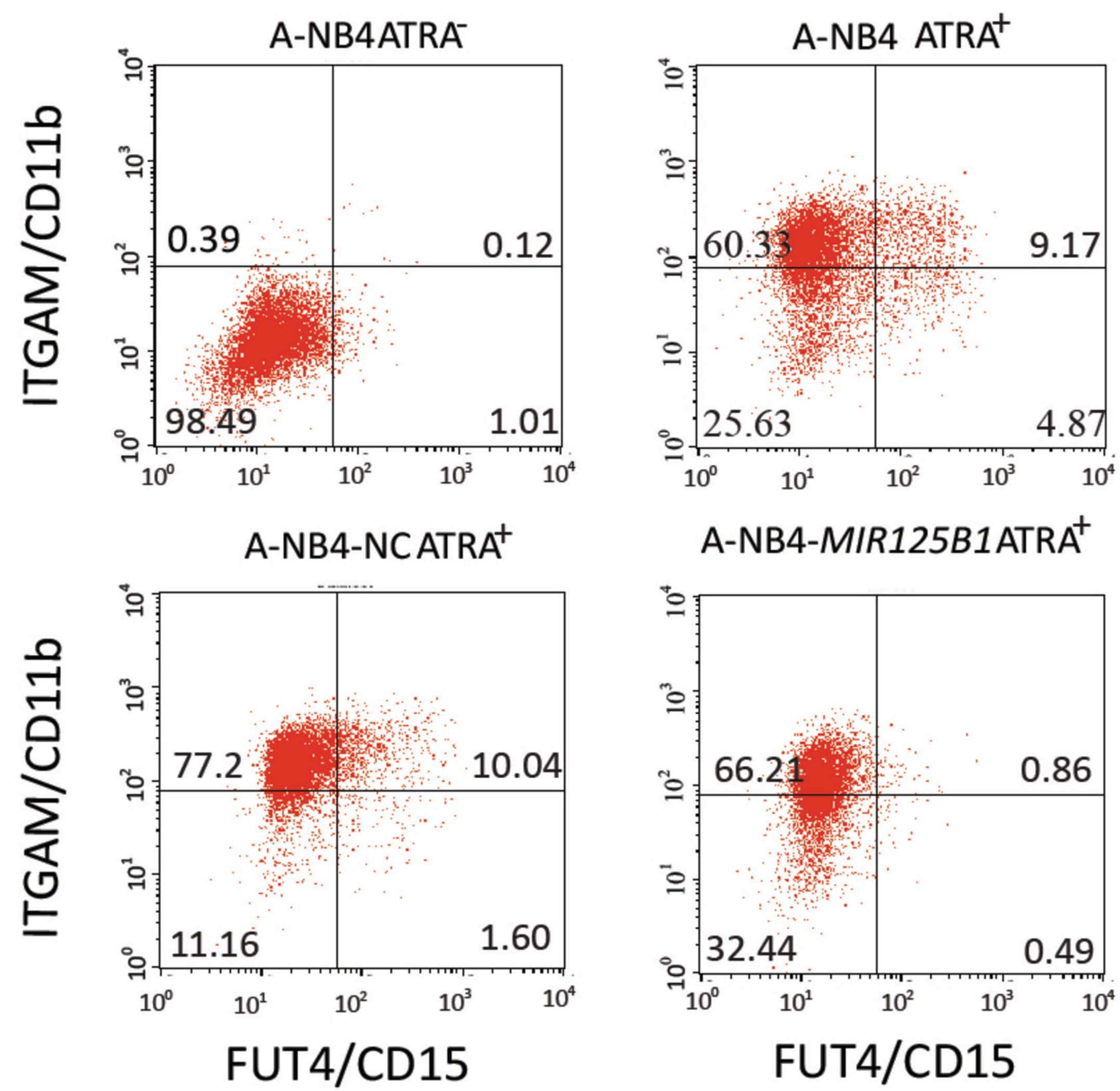


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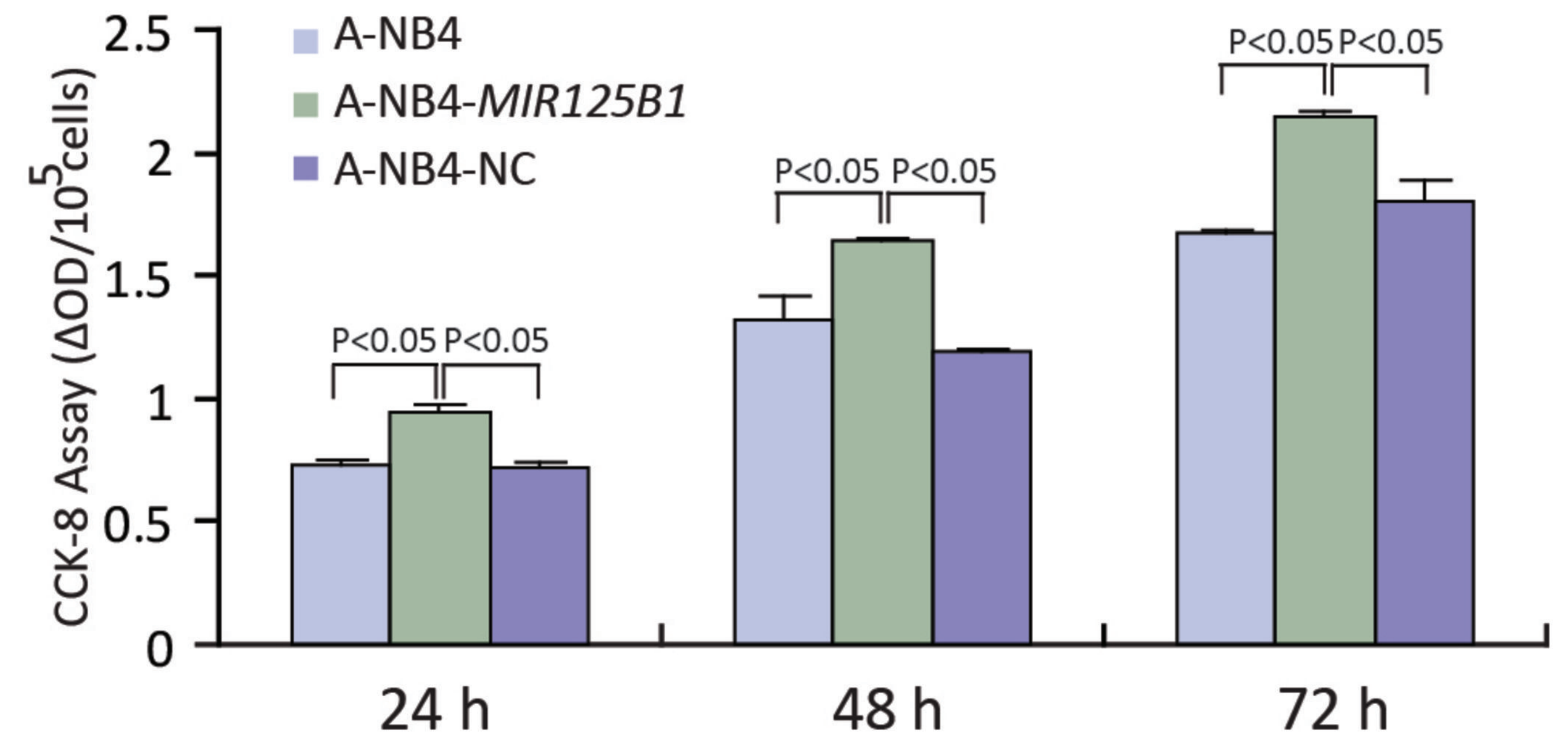




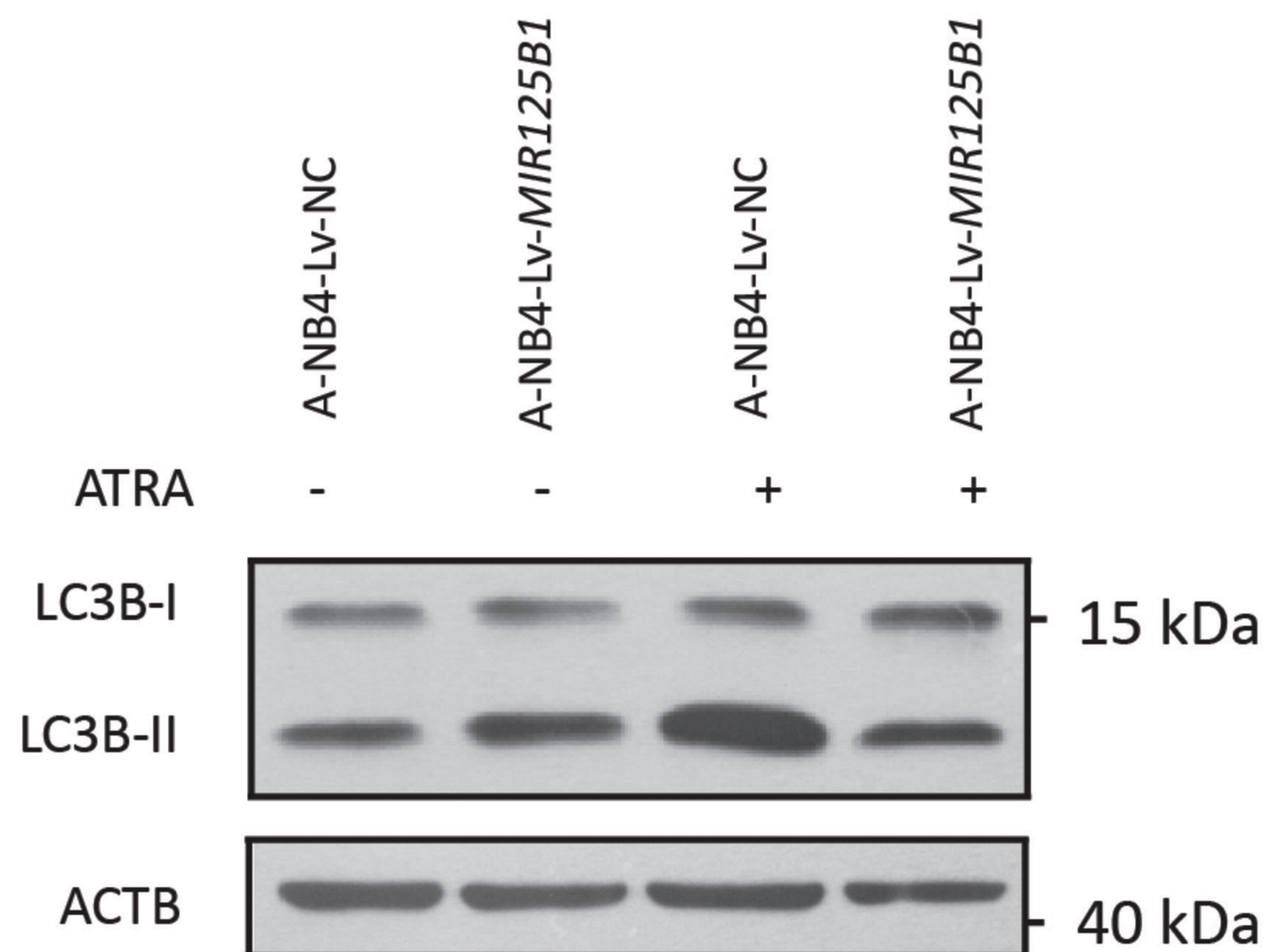
## A



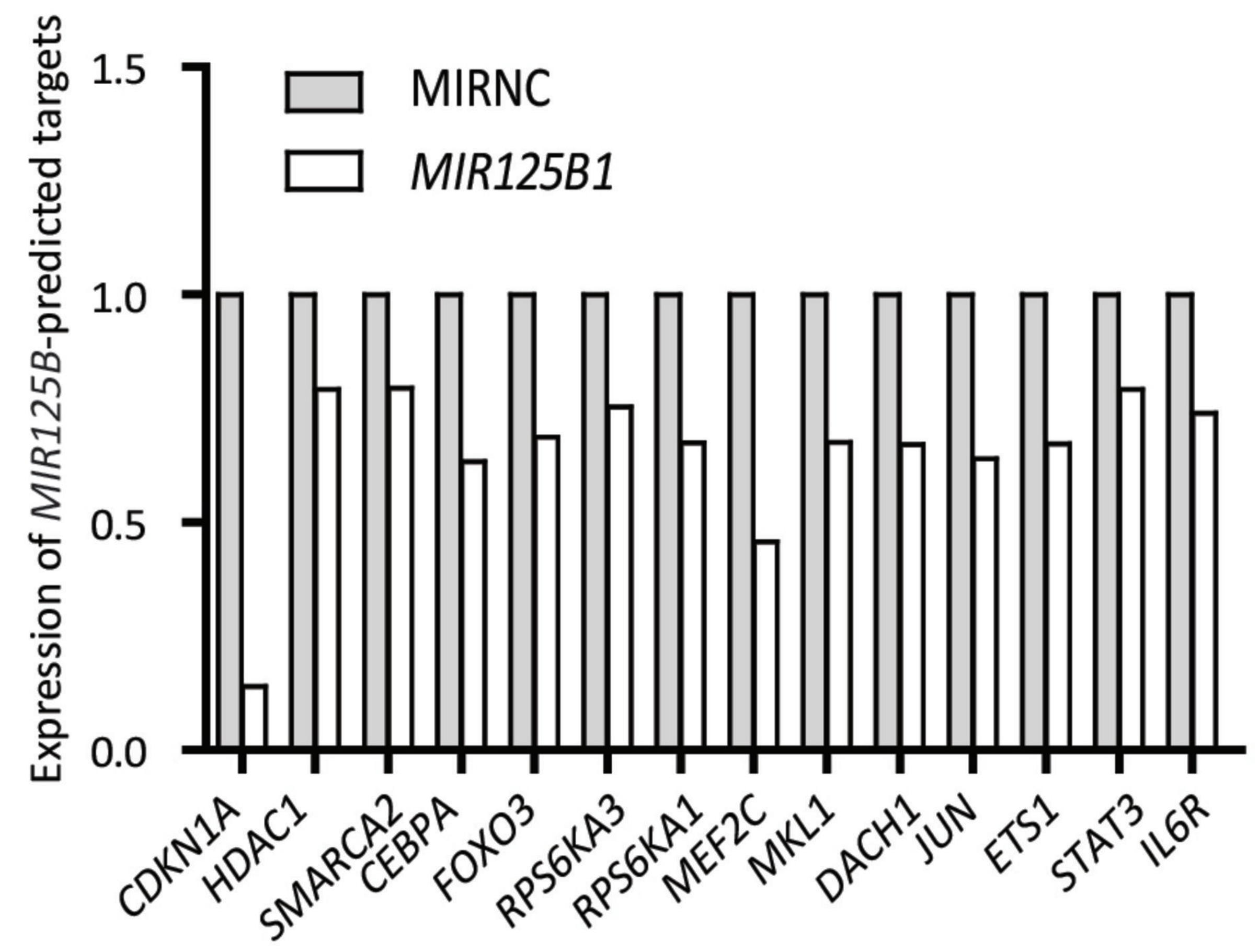
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## C

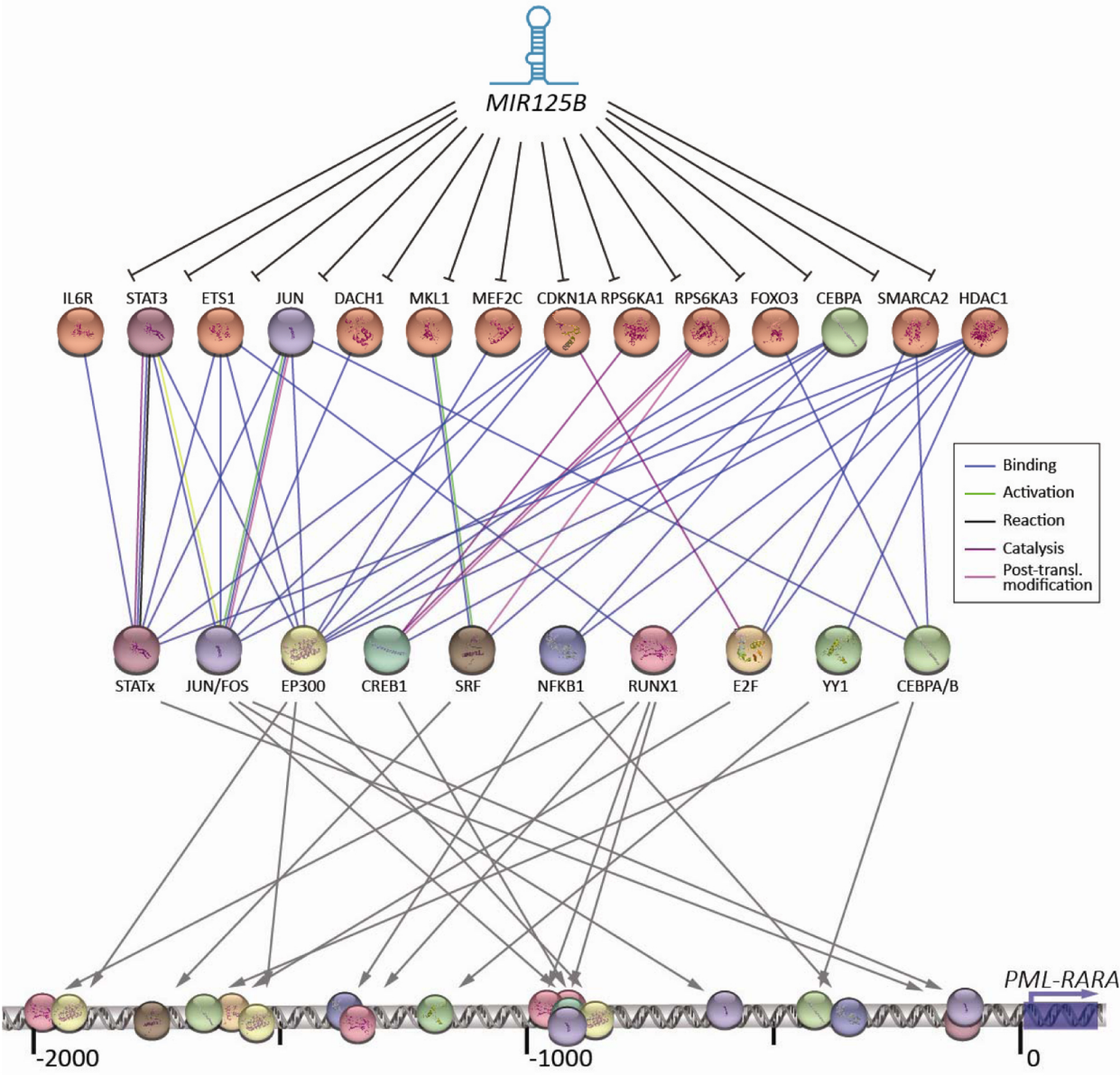


## D





Supplementary Figure 6



**Figure S1.** Analysis of *PML-RARA* expression associated with *MIR125B1* expression. (A) qRT-PCR analysis and western blot were performed on NB4 cells after knockdown the *PML-RARA*. (B) qRT-PCR and western blot analysis of *PML-RARA* in U937-PR9 cells treated with 100  $\mu$ M  $ZnSO_4$ . (C) *PML-RARA* expression in primary APL patient bone marrow mononuclear cells, which were transfected with antagomirs (chemically engineered oligonucleotide anti-miRNAs) specifically neutralizing *MIR125B1*. *PML-RARA* was assayed by western blot. (D) qRT-PCR analysis of *PML-RARA* mRNA after transient transfection with *MIR125B1* for 12 h. (E) Western blot analyses of *PML-RARA* in NB4 cells transfected with 100 nM *MIR125B1* inhibitor (anti-*MIR125B1*) or control inhibitor (NC) followed by treatment with ATRA (1  $\mu$ M, 36 h). ACTB was used as a loading control. *PML-RARA*/ACTB densitometric ratios were recorded.

**Figure S2.** Validation and analysis of RNA-seq data. (A) qRT-PCR analysis of gene expression to verify the accuracy of RNA-seq. The criteria for selecting the genes used to confirm the RNA sequencing data were mainly based on the differentially expressed levels (great or minor) after ATRA treatment and some of them could be induced or inhibited by ATRA. (B) A significant overlap in the expression of potential *PML-RARA* targets genes altered in the presence of *MIR125B1* after ATRA treatment. The numbers indicate how many genes belong to each DEG subset.

**Figure S3.** Autophagy regulates ATRA-induced degradation of *PML-RARA*. (A) NB4 cells were treated with ATRA (1  $\mu$ M, 48 h) with or without chloroquine (40  $\mu$ M), and *PML-RARA* was assayed by western blot using RARA antibody. (B) NB4 cells were treated with ATRA (1  $\mu$ M, 24 h) with or without bafilomycin A<sub>1</sub> (25 nM). ACTB expression served as loading controls. (C) Western blot analyses of *PML-RARA* in ATG5-knockdown NB4 cells, followed by treatment with ATRA (1  $\mu$ M, 48 h). ACTB was used as a loading control. *PML-RARA*/ACTB densitometric ratios were recorded. (D) Western blot analyses of LC3 in NB4 cells transfected with 100 nM miRNA inhibitor-NC or miRNA inhibitor, followed by treatment with ATRA (1  $\mu$ M, 24 h). ACTB was used as a loading control. (E) Western blot and qRT-PCR analysis of DRAM2 after transient transfection with the indicated siRNA for 48 h. ACTB was used as a loading control.



**Figure S4.** DRAM2 involved in ATRA-induced autophagy and degradation of PML-RARA. **(A)** Confocal microscopy after staining with an antibody directed against LC3. NB4 transduced with lentiviral vectors expressing shRNAs targeting *DRAM2* and scrambled controls, and also treated with or without ATRA (1  $\mu$ M, 24 h). A representative image of 3 independent experiments is shown. Scale bar, 10  $\mu$ m. **(B)** Western blot analyses of PML-RARA in NB4 cells transfected with si-*DRAM2-2* and scrambled controls (si-NC), followed by treatment with ATRA. Quantification of data from 3 independent experiments (bottom panel). **(C)** NB4 cells were transfected with the indicated siRNA for 24 h, and then treated with ATRA (1  $\mu$ M) for 24 h. The level of LC3-I/II protein expression was assayed by western blot. LC3-II/ACTB densitometric ratios were marked. Quantification of data from 3 independent experiments (bottom panel). **(D)** Knockdown of DRAM2 inhibits ATRA-induced differentiation. Results from NB4 cells transfected with si-*DRAM2-2* and scrambled controls (si-NC). The expression of ITGAM/CD11b was determined by FACS analysis.

**Figure S5.** Effects of *MIR125B1* overexpression. **(A)** Flow cytometry to determine the percentage of CD11b- and FUT4/CD15-positive cells. **(B)** CCK-8 assay (O.D at 450 nm) to measure the proliferation of ascitic cells at the indicated times after treatment with ATRA (1  $\mu$ M). **(C)** Western blot analyses of LC3 in A-NB4-Lv-NC and A-NB4-Lv-*MIR125B1* cells treated with ATRA. A-NB4: ascitic cells developed from the injection of NB4 cells; A-NB4-NC: ascitic cells developed from the injection of NB4-lv-NC cells; A-NB4-*MIR125B1*: ascitic cells developed from the injection of NB4-lv-*MIR125B1* cells. **(D)** Expression analysis of several transcription factors in NB4 cells stably overexpressing *MIR125B1* and controls.

**Figure S6.** Bioinformatic analysis of the regulation of *PML-RARA* by *MIR125B1*. TFSEARCH software package (<http://mbs.cbrc.jp/research/db/TFSEARCH.html>) was used to scan the *PML-RARA* promoter.

**Table S1.** Gene expression level in NB4-Lv-MIR125B and NB4-Lv-NC cells with or without ATRA treatment

Symbol	GeneID	Length	NB4-LV-miR-125b_RPKM	NB4-LV-miR-125b+ATRA_RPKM	NB4-LV-NC_RPKM	NB4-LV-NC+ATRA_RPKM
EEF1A1	1915	3528	2099.013504	2361.723285	2095.420214	779.3052201
ACTB	60	1852	3575.875063	4335.852391	4370.126387	4462.507121
MPO	4353	3215	1717.479538	1554.422588	1577.768134	155.6467027
HSP90AA1	3320	3887	1387.533368	707.4808753	1453.989216	407.8261965
GAPDH	2597	1310	4059.327725	3918.623327	3713.934504	2561.265957
RN28S1	1E+08	5070	1037.693166	1053.598643	1322.175863	978.8852925
CALR	811	1929	2502.008798	1149.511688	2796.319314	827.974976
MALAT1	378938	8708	526.996168	582.1337558	631.4764813	1333.826745
SRGN	5552	1270	3388.465172	4969.870705	3045.994249	3147.689123
HSPA8	3312	2276	1846.300358	980.5225561	1957.540318	527.5957887
PTMA	5757	1223	3105.399652	2519.849575	3281.04676	1082.986141
PABPC1	26986	2869	1097.658444	1169.929847	1043.977963	440.4185997
EEF1G	1937	1552	1887.148059	1946.340125	1793.470004	603.8953837
RPL4	6124	1458	1994.937968	2125.163567	1943.1532	720.3024287
RPS6	6194	829	3421.311042	3802.939474	3156.782936	1249.979915
RPLP0	6175	1289	2172.772429	2604.324589	2046.626478	741.7156864
LDHA	3939	2323	1189.979734	779.5786607	1347.656612	620.3577595
HSP90B1	7184	2780	951.4249643	624.8132293	882.6078898	494.3487592
RPS2	6187	962	2558.013995	2632.066317	2271.860261	922.7136841
TPT1	7178	829	2931.671802	3049.232781	2970.73001	2074.102246
ENO1	2023	2567	935.1443489	973.3630284	906.705466	522.6717973
LCP1	3936	3808	618.847825	723.3284706	614.9340888	840.4944202
MKI67	4288	12507	185.1355959	139.9318706	146.4819834	57.86225194
EEF2	1938	3163	718.8086416	832.1529156	676.7391455	253.1160775
YBX1	4904	1561	1407.266197	1069.197187	1268.791386	479.8121672
P4HB	5034	2596	829.9842001	815.7083987	736.4852872	366.259002
TUBB	203068	2510	832.4461338	881.831497	782.2586802	325.2572129
MSN	4478	3981	522.1319591	346.4233825	599.3035733	379.8401422
NCL	4691	2732	710.9376848	553.9822821	713.2794122	272.4490956
ALDOA	226	2353	825.0147999	844.3587833	865.0732643	1068.494041
HSP90AB1	3326	2567	747.5581347	521.1003531	762.3371483	223.4839882
RPS24	6229	2820	678.8229964	679.8767445	684.8773062	358.4139407
MTRNR2L2	1E+08	1036	1791.732797	2339.74319	1728.211455	1665.348648
HNRNPA2B1	3181	3702	494.8994085	412.4391021	508.4075241	276.9589927
HMGB1	3146	3428	528.1367201	449.8256063	469.1039436	166.3483392
ILF3	3609	6135	291.2044816	229.2979199	272.4832978	119.3455904
SCD	6319	5473	310.3323692	538.902506	232.2086314	210.9728183
NPM1	4869	1449	1152.828262	768.1499381	1187.219135	265.155267
PKM2	5315	2853	579.9179917	1300.599322	496.9228001	1279.920876
FLNA	2316	8557	190.0788974	131.0642634	173.1364668	109.0565687
VIM	7431	2151	754.4519639	27.65984511	816.6534198	38.39654862
PPIA	5478	2276	712.4779689	630.1191384	702.8281759	290.21326
SRRM2	23524	9379	170.0857279	161.2026619	164.3826531	118.7076177
RPS3	6188	855	1844.734572	1812.11188	1784.429546	700.3328382
CANX	821	4953	313.614956	277.6298198	301.5489558	172.920759
RPL7A	6130	890	1727.407591	1670.494014	1642.560971	571.5772276
EIF4G2	1982	4028	378.4797486	307.4736996	417.0093974	244.7439331
RPL6	6128	1148	1325.127394	1229.461869	1372.614765	487.2046588
B2M	567	987	1508.771652	2577.815192	1696.70012	7927.951061
HSPD1	3329	2339	632.2951312	412.3214449	630.8733533	165.041403
GNB2L1	10399	1125	1286.270284	1257.964783	1190.331393	555.6447367
MTRNR2L8	1E+08	1290	1110.656619	1421.465242	998.2795508	1059.534638
YWHAZ	7534	3077	460.0515437	299.0896939	464.4556795	309.9918109
RPL18	6141	648	2152.36298	2035.755391	2111.21733	1001.210657
FTL	2512	889	1556.6915	3326.698979	1594.7365	6412.14486
ACTG1	71	2123	633.4719669	553.5655108	777.9618368	448.5282013
LDHB	3945	1539	867.2135655	688.3343621	840.0594248	365.1348431
RPL5	6125	1035	1271.538682	1172.078392	1245.049043	301.002918
RPS3A	6189	930	1408.286629	1428.285628	1345.179647	392.8861265
RPS4X	6191	956	1353.737674	1313.221073	1273.454806	552.867951



HSPA5	3309	3973	323.8386428	248.5204194	386.4601965	309.9357597
EIF3A	8661	5305	241.7189101	207.5431282	217.9757774	109.2085591
HNRNPU	3192	6846	185.0999477	158.7105128	196.5942054	118.9853556
PGK1	5230	2439	519.4710355	474.9926724	509.457024	345.349118
FASN	2194	8481	143.7523278	218.4974185	116.3423931	41.05384321
PRKDC	5591	13509	89.80948209	74.77241542	78.40480485	19.21043766
RPL3	6122	1348	896.2363793	1090.855257	936.2046585	291.3293725
RPLP1	6176	512	2346.449015	2576.938137	2288.643138	1335.160684
RPL19	6143	748	1588.637943	1698.35446	1550.457293	934.4744168
CFL1	1072	1260	943.0961754	1062.169131	946.4215818	832.3682055
SERBP1	26135	6764	174.7737428	126.7682098	157.3078146	52.97147951
TOP2A	7153	5753	203.6756303	168.683529	165.5608733	60.69699089
MYH9	4627	7505	155.0938344	142.6663624	149.7714764	137.398085
DIAPH1	1729	5804	197.871447	93.44844153	189.8068135	80.21819173
RPL9	6133	842	1344.7736	1269.775797	1307.606759	493.3301981
CCT5	22948	3403	328.0509109	231.6726531	314.536762	103.9210178
PRRC2C	23215	10394	103.4122434	89.95631568	96.88119806	89.74333274
HUWE1	10075	14734	71.85559593	58.90683501	59.22397614	34.29227921
RPL41	6171	593	1779.503854	2052.465639	1727.333091	1147.324466
ARHGDIB	397	1216	865.9519225	1302.911504	926.8033858	925.4128694
RPL7	6129	866	1215.224456	1181.064692	1270.392324	351.0948639
HNRNPC	3183	3252	321.3488552	277.9241603	365.3303238	192.0957783
RPL27A	6157	4906	209.3021012	256.3529704	221.1470138	128.281968
NAP1L1	4673	5125	199.4809	173.1790406	193.9284912	57.19355972
DNMT1	1786	5425	184.3808122	158.509001	182.3864585	96.04643193
AHNAK	79026	18815	52.68524661	0.971154937	73.5313642	0.441115247
EIF4G1	1981	5686	171.8195363	139.4761739	168.5521768	84.09021708
ATP5B	506	1857	524.6682084	486.224038	504.7168559	328.2247207
CSDE1	7812	4216	229.934439	179.8094861	219.1528134	117.347282
HMG2	3151	1989	482.655521	632.5356149	377.5294328	301.7604719
DDX21	9188	4153	231.0109975	163.0064282	240.0801322	77.25734355
RPL13	6137	1296	739.7959215	800.7189914	670.5356663	331.4460241
RPL10	6134	2335	409.9102462	469.0461009	376.2407014	191.7655867
RPL15	6138	2018	473.7950912	573.3138252	470.4174593	264.3211367
SET	6418	2936	322.1727472	239.0745766	336.2853167	110.9359811
RPS8	6202	705	1331.264232	1537.387487	1272.203989	637.4355685
RPS11	6205	641	1459.081287	1660.989965	1446.690823	1135.938565
TPI1	7167	1602	573.7357039	563.0628638	571.4712054	481.8110203
HNRNPK	3190	2995	305.0437967	270.077678	321.9006231	196.9541591
EIF4B	1975	4041	224.1622115	237.555854	232.7217206	61.36484957
RPL11	6135	644	1381.828223	1330.421852	1334.965363	733.0188019
RPL8	6132	967	915.404854	881.1915062	797.5071137	371.5731455
PRRC2A	7916	6958	125.5456284	105.4596193	104.1848256	76.16538707
RPL23A	6147	979	886.8564268	850.8157054	842.3334255	402.3764732
PAICS	10606	3350	259.1738632	150.2623985	253.2894333	41.75472964
KPNB1	3837	4205	206.4275994	185.4201103	192.9449426	232.3719671
HSPA9	3313	3506	247.0006258	174.0840626	265.7029415	107.5655937
FTH1	2495	1245	692.614653	430.0939289	814.9312643	1530.004498
HMGA1	3159	2198	391.383704	539.7457751	408.3428873	425.0269347
PDIA3	2923	3060	280.0624845	236.8871645	266.9368913	225.4501846
XPO1	7514	4830	175.5266719	133.2382595	155.6858107	98.49023353
RPL14	9045	936	904.8891884	838.9555353	910.1497412	356.845752
TPM3	7170	7116	118.909322	141.6972876	120.428751	136.7731834
TUBA1B	10376	1771	476.8625897	490.7100342	443.328161	221.974507
RPL37	6167	1586	525.0121366	582.2311763	503.5664552	414.8132438
RPS7	6201	745	1108.349153	1086.64583	1104.06923	479.3080728
NOLC1	9221	3936	208.1249394	122.1730014	186.5382484	40.83549725
INSIG1	3638	3020	271.048544	291.6747029	170.6369314	179.3707408
CENPF	1063	10316	78.83409874	54.90894577	63.36904339	17.34656018
DMXL2	23312	10599	74.85867576	91.05466154	65.72373415	113.6573416
LARP1	23367	6644	117.1436677	101.1869672	103.034712	139.0251207
RN18S1	1E+08	1869	412.5997924	424.3239834	1135.104488	470.4927665

CAPRIN1	4076	5562	136.992383	103.6039775	120.9892062	62.49017578
RPL29	6159	737	1030.250494	1085.440079	1027.468907	610.0332491
NUCKS1	64710	6471	117.0853848	96.86730678	114.0173677	45.64112364
PRPF8	10594	7311	103.3253012	97.80742516	101.3507944	50.33725521
TPTE2P2	644623	70641	10.66762647	12.79440225	10.06459736	13.22187927
ATP2A2	488	8329	90.37750713	65.5468937	87.03542037	56.75007744
RPS18	6222	549	1365.552758	1420.609101	1312.736468	720.1157912
GNAS	2778	3784	197.472471	154.228013	180.742276	198.042191
RPL32	6161	1787	417.1216311	411.4985225	426.4712559	213.0770516
ANPEP	290	3740	199.0305947	53.08661019	280.8279542	62.89367346
SON	6651	8412	88.36810428	85.80064977	84.14217196	85.09135276
PTGES3	10728	1932	381.584321	266.7763974	382.5435276	189.2269806
MYC	4609	2379	307.7390727	155.4864467	227.892685	29.86655355
RPL35	11224	475	1539.135417	1353.88448	1548.828503	697.2076206
RPS15A	6210	554	1306.743334	1303.209203	1228.426383	713.6165512
NONO	4841	3228	222.8746318	230.5641781	246.1061657	140.9100542
MATR3	9782	5604	127.9784196	98.93071371	119.8562199	63.75570006
RAVER1	125950	3606	197.1878754	216.900367	197.8084732	149.8287951
GANAB	23193	3921	180.825202	178.3911751	166.1287731	95.25153077
HNRNPD	3184	2257	312.329594	229.6450265	315.8505914	148.7946317
NUCB2	4925	1612	434.6375832	290.9818867	373.9425708	76.72706902
TMPO	7112	4186	167.1318331	139.4700511	156.0155751	66.83150707
RHOA	387	1926	362.5042316	333.32345	350.7151516	227.6536434
XRCC5	7520	3448	201.8965453	201.441264	189.4699774	132.2128188
IPO7	10527	6209	112.0190256	89.64987059	95.00838359	35.56931704
PFN1	5216	847	818.7512021	1182.828513	834.6621151	987.0498276
YWHAG	7532	3779	183.4553803	133.3222282	174.104458	95.77740327
BTF3	689	1262	548.2148802	572.0902524	537.4200348	276.3747471
SLC43A3	29015	2867	239.6743275	180.3180428	288.3701678	110.0755484
RPL12	6136	674	1019.201648	1047.710353	1000.938046	512.0789486
AHRR	57491	5676	120.3775475	89.39218167	123.696135	132.8840633
EIF4EBP2	1979	7531	90.48247036	76.19096577	105.9369617	39.16330545
AK2	204	3789	179.1413207	153.3775777	153.0127699	76.50518125
CNOT1	23019	8449	80.33689952	79.22705468	75.57137517	65.38387584
PSIP1	11168	3396	198.6084672	109.1853909	157.2192556	55.8527222
ADRBK1	156	3478	192.4567856	211.2361592	161.8958853	120.0138917
STIP1	10963	2219	301.0988659	201.4431571	291.7424555	111.8421748
SSRP1	6749	2825	235.5686241	157.9942894	225.4950639	62.98583028
TFRC	7037	5241	126.7810403	104.2521929	154.9663466	64.54085671
CKAP5	9793	6714	98.75316192	62.96002427	80.30960843	26.95433475
YWHAE	7531	1860	354.5990131	281.8953265	322.379652	182.7301403
IPO5	3843	6019	109.4768244	86.26020194	94.70780631	16.41224209
EIF4H	7458	2546	257.8508923	234.9108114	270.7864008	156.393391
VCP	7415	3859	169.7480354	156.6584798	176.6820225	112.7810457
RAN	5901	1087	601.6888112	549.1892939	590.5088363	223.4725258
HNRNPA3	220988	5808	111.4833644	79.64887285	104.2600079	39.41925689
SYNCRIP	10492	7337	88.13927159	60.46883949	89.04081806	30.15602388
PGAM1	5223	1762	363.0696402	609.0591429	360.6949842	602.8060408
ACTR2	10097	3944	160.3374249	246.67533	174.3742135	219.7256497
CCT6A	908	2682	235.7832975	165.8367035	248.4683584	79.17519658
PPP1CC	5501	2526	250.1019974	183.6649444	243.738636	92.07868707
CALM3	808	2277	277.0029489	304.7435135	252.5766888	225.8988761
SNRNP200	23020	7230	86.39061266	89.1330739	76.76971896	45.97347067
CCT7	10574	2044	304.9793603	205.4988311	296.5635912	98.14432641
RPL26	6154	602	1035.511316	1104.539421	1058.178664	541.0432566
MLEC	9761	6367	97.81131679	83.43538879	97.89383478	39.07414364
IQGAP1	8826	7219	86.09756712	71.76700264	95.88154567	91.52622367
CYTL1	54360	1019	609.3475746	0.874711226	14.09947377	-
PCBP2	5094	3187	194.7664865	191.9982906	198.5559649	135.1642988
RPS14	6208	793	782.2345776	944.7206634	816.896694	472.759463
APLP2	334	3827	162.0883251	528.1722716	155.6893198	688.6389775
SLC38A2	54407	4961	124.9553009	76.94263031	112.7334738	63.57270076



TCP1	6950	2463	251.3543252	150.1836202	238.5639145	57.53154855
RPS23	6228	3325	186.0682498	188.9889236	187.0108429	70.01299019
HDGF	3068	2397	256.996208	261.5053576	247.248125	112.9108843
WHSC1	7468	8390	73.17950522	49.40033297	59.91018442	20.72543424
RPS27A	6233	1068	573.9270767	545.397601	538.8948408	232.7552844
RPN1	6184	2372	255.9135409	187.2283055	289.6703389	181.8616808
LRPPRC	10128	6637	91.06070497	81.11552905	91.33282814	29.2800525
TOP2B	7155	5189	115.8017603	114.5297302	104.6040763	51.96285324
HSPH1	10808	3680	162.6758386	108.7520385	159.2099574	71.18014909
NACA	4666	3191	187.2205482	169.760657	182.8132956	110.6348909
UBA1	7317	3616	164.9898298	148.20592	140.0579571	112.8585696
CLTC	1213	8575	69.12185275	62.73097387	70.74035567	64.84805674
SF3B1	23451	4314	136.6838421	128.1003844	146.5867619	127.1163166
SAE1	10055	2587	226.9026187	166.7584374	221.7387426	84.43012877
TMBIM6	7009	3255	179.646337	187.3026806	188.3712373	174.8164466
HADHA	3030	3048	191.3773371	227.8771254	178.2888472	109.3833128
HMGB2	3148	1527	381.3334596	281.9336915	347.5751935	144.0996556
STMN1	3925	2265	256.9941751	169.5102498	229.2882752	53.80228499
EIF3B	8662	3084	188.3480835	121.5319636	181.8939823	49.09753226
CHD4	1108	6511	89.21294572	88.81136798	90.66650641	56.21124009
SF3B3	23450	9736	59.53565865	54.33492128	55.85938535	27.71545546
HNRNPH1	3187	2274	254.8086132	201.5685279	235.6280364	122.2228799
TRIM28	10155	2989	193.8557332	137.0245817	193.5422137	64.06748222
ACLY	47	4450	128.6943917	112.9185852	105.9747387	52.44954584
PA2G4	5036	2643	215.9085059	141.5573506	208.6466996	42.20140124
RPS25	6230	514	1107.423109	1077.313661	1112.327946	589.9580481
GPI	2821	4275	132.7195327	178.3182724	134.8762839	133.2479112
EIF3E	3646	1516	372.9103831	392.0150199	411.559301	160.7680416
DDB1	1642	4355	129.7652709	110.0092473	121.773766	46.43546133
NCAPD2	9918	4806	117.2052183	76.78129961	94.8715179	28.64162023
TNRC18	84629	10586	52.55423667	16.60825508	49.33836483	19.82984422
CTSC	1075	6143	90.43164655	120.5755891	105.8315498	184.7332257
FADS2	9415	3149	176.2173535	408.8686099	152.9784871	157.9446543
MBNL1	4154	6404	86.2353882	91.47831483	67.17298159	83.32331086
DNAJA1	3301	1538	357.6093486	312.0816664	386.989059	332.2044539
SPN	6693	6915	79.30124206	130.4127079	79.16685708	53.04426604
DDX5	1655	3769	145.2774063	156.497245	153.2641384	166.1753521
LMNB1	4001	3420	159.1463057	74.14725007	159.4520377	44.51067396
SMC4	10051	5297	102.4438883	98.27018153	97.56513617	43.90990439
ADAR	103	6730	80.60042942	71.38592397	66.68184742	192.3826163
MYCBP2	23077	15025	35.96652435	27.19967679	31.13374121	32.46945489
INPP5D	3635	4928	109.575539	65.3395352	83.43347111	100.9268905
RPL22	6146	2099	256.9676501	249.6915076	255.5750401	103.5772267
SUPT16H	11198	4684	114.8035884	86.77344513	117.8214767	40.32154764
C17orf76-A	125144	1391	385.262784	525.763387	410.7217791	247.9789953
RPS27	6232	361	1481.09201	1940.064067	1552.152873	1640.17846
PDS5A	23244	7190	73.88034085	60.15552727	80.81127868	46.03215451
MDH2	4191	1321	400.8815756	396.7467634	345.3170324	209.9375793
RPS20	6224	1013	520.7509375	528.8151768	493.0673009	351.103171
GNAI2	2771	2200	239.1318166	317.3340006	227.7073496	335.2037944
DYNC1H1	1778	14361	36.60477851	33.90358723	27.98298281	23.27205994
RPL23	9349	594	884.6411415	926.5938238	930.862324	455.294547
KHSRP	8570	3262	161.027729	129.587248	150.4642859	77.32261289
PTBP1	5725	3340	157.1448142	148.6440783	180.5409308	92.60817443
MAT2A	4144	2835	182.830096	146.9831113	183.4860961	91.03943572
ARPC2	10109	1462	353.2721249	428.8995724	360.4269459	436.0112787
RPLP2	6181	511	1009.131706	972.8761637	897.6501309	602.9290204
CCT3	7203	2269	227.1758113	144.6595613	223.0176304	56.02702774
U2SURP	23350	7464	69.03235928	53.2601165	61.48318618	30.40229842
BSG	682	2024	253.6650465	234.6128711	224.4378641	163.4233014
ARF1	375	2020	253.964991	201.2112955	230.9488877	194.1112414
TKT	7086	2957	173.213303	869.3262939	166.9128179	493.784034

RSL1D1	26156	5137	99.70639228	67.58289329	98.38293735	28.01769935
RPL10A	4736	719	712.0825465	811.6812258	754.9242725	329.9674929
MCM7	4176	2900	176.2654504	146.9927331	182.7248902	43.76651623
PARP1	142	4001	127.6072601	75.46570553	132.2312028	43.2077603
ATP1A1	476	3778	135.0312005	134.3012237	121.3013889	90.17675393
SLC1A5	6510	2873	177.3528426	190.3346357	195.1056289	87.36922731
MYB	4602	3681	138.3118567	78.33346755	141.8322862	33.71064738
SCAF11	9169	7596	66.99862539	78.41387129	73.54356359	97.77665853
CCT4	10575	2349	215.9584798	139.2585701	197.1631319	60.32362881
UBC	7316	2594	195.3251005	271.625655	201.7549552	451.8362053
PCM1	5108	8788	57.58536096	34.20588208	52.4845965	25.89099249
RPL36	25873	557	899.7394687	848.1244015	890.6582041	543.3234293
TPM4	7171	2645	189.0861827	73.46317622	179.1726729	220.8732319
EIF2S3	1968	3486	143.4690055	132.5745807	142.6141834	58.64978531
SLC7A5	8140	4543	109.5488266	23.9362426	93.06203114	7.441254703
HMGCS1	3157	3510	141.731035	142.460554	81.0225894	74.80063682
CBX5	23468	11723	42.27897786	39.91714049	40.04732063	10.23972667
HDLBP	3069	6516	76.06452693	72.19149747	78.37250893	43.49300309
SLC25A5	292	1351	366.4125085	393.2147449	356.4159668	156.2792776
EIF5B	9669	4698	105.1514194	70.43561874	97.50220575	41.70948049
SF3B2	10992	2902	169.8053243	145.4324965	166.6543138	101.9817359
MCM4	4173	4928	99.95346286	71.76044454	96.51014566	20.04571533
ASPM	259266	10906	45.12762632	34.32595914	33.80633675	10.15299725
PTPN11	5781	6300	78.08849309	57.33520349	70.6965519	35.28045897
NUP210	23225	7191	68.41294764	74.12262299	89.0269541	67.75779073
SH3KBP1	30011	4766	103.2223052	59.56543021	101.9628517	54.23870289
KCNAB2	8514	4298	114.1290841	104.5727141	103.2827556	53.26827455
CAPZA1	829	2758	177.5595572	222.6710947	189.451492	227.3104382
KIAA0100	9703	7456	65.43317907	62.82112437	62.17258133	39.04140356
MTRNR2L1	1E+08	1555	312.2968072	420.4444354	307.0762448	325.7086914
DOCK8	81704	7470	64.76332795	74.51620435	59.8498735	143.0009518
UBB	7314	971	497.5992804	499.3655221	497.6398035	425.496714
PRRC2B	84726	11062	43.6597826	34.28505057	33.48238896	21.83128128
DHX9	1660	4680	103.0665292	80.27690309	111.4211092	47.27665539
TFDP1	7027	2651	180.9484483	137.5998132	185.4619539	54.59699623
SLC25A3	5250	1919	248.9059274	239.3216067	270.7395665	117.1956575
EEF1B2	1933	1128	422.9054222	424.5278719	377.9899365	87.75506559
SMC1A	8243	9725	48.6953986	40.14425333	48.40539314	21.16916747
CSE1L	1434	3579	131.9173088	79.69428233	123.6184103	34.21890531
PNP	4860	2438	193.0686403	190.5685593	144.380809	65.09607406
PDIA4	9601	2970	156.6960622	95.88557949	149.9623828	89.08233127
RPL24	6152	579	803.4247296	666.1889072	807.1880693	370.944773
NUSAP1	51203	2437	189.7931466	140.4476831	161.9531942	59.39131597
TGOLN2	10618	6431	71.50814463	80.11027323	70.6363298	85.61755672
IARS	3376	4510	101.5586259	72.08711464	98.19353876	24.5966778
MRPL4	51073	2404	190.4430185	141.8194707	173.3167843	66.10093903
YWHAQ	10971	2166	209.7647514	145.2630429	209.1387481	89.71916364
ARHGDI1A	396	2126	213.4229977	199.6689861	195.9800326	107.9747557
CLIC1	1192	1265	358.5240371	346.6677657	355.0920179	419.4198022
ESYT2	57488	5957	76.10013777	54.09032435	73.17113693	28.91840899
SRSF1	6426	5668	79.90821249	85.82282124	90.84350096	40.75005869
HK2	3099	7109	63.45200069	24.51190877	68.7737991	70.30480555
POLR2A	5430	6738	66.91538835	50.49948198	65.5051746	66.36470143
XRCC6	2547	2156	208.9365094	177.7700453	217.1646712	88.82082762
TMSB4X	7114	657	684.7092174	661.3755483	858.0026534	894.44595
SUB1	10923	3522	127.4947221	84.59037464	134.7375281	107.5942168
RPS5	6193	755	594.2087932	547.1944338	565.2916794	242.3784001
CHST11	50515	5768	77.60154439	28.70400221	71.06318257	38.70995767
YWHAB	7529	3110	143.2674747	144.8770703	159.1769119	105.1198115
TPR	7175	9727	45.72265875	41.62506304	42.11793485	28.09488691
HNRNPUL1	11100	4201	105.8176423	109.7985378	97.92226383	76.51917029
HNRNPA1	3178	1941	228.6050339	213.074427	236.5387874	80.92982878

CCDC88A	55704	9827	44.92460802	33.10631116	33.82018211	31.35206364
GNB1	2782	3180	138.8283406	148.6952695	134.8767502	135.6528009
TMED2	10959	2126	206.9818532	150.9308871	224.900007	117.4963391
MORF4L1	10933	1969	223.2781348	201.6698041	216.3281254	122.855506
KIF20B	9585	6319	69.54110797	36.56868082	61.35583749	23.89807434
CDC37	11140	1693	258.4706354	222.1745847	238.9901465	171.8194188
BNIP3	664	1535	284.9422799	194.6701174	303.7820641	209.1545125
CYCS	54205	5544	78.81991834	66.39963838	78.12658023	41.73452207
ANP32B	10541	1617	269.8605249	248.4646448	260.1533456	104.6570992
ATXN2L	11273	4386	99.39710361	92.61832747	88.30026621	82.15307252
TUBB4B	10383	1591	273.6282451	148.461751	254.1791535	64.63473437
SURF4	6836	2985	145.8433963	105.1083484	150.9783571	87.00711262
SACS	26278	15639	27.69322144	9.874227925	19.50861279	1.656812741
PRPF40A	55660	7528	57.47682223	48.13043908	53.66318594	38.26464824
LARS	51520	4868	88.88363142	60.83497083	81.94445962	24.40956092
HMGN1	3150	1313	329.072627	300.5610698	321.5132926	201.657999
CS	1431	2997	144.168288	144.7631756	147.9063828	58.3578704
BAHCC1	57597	10342	41.7388887	17.36638406	29.84790527	9.160385599
RPL27	6155	514	838.6195105	878.3249402	880.9012521	459.6001616
RTN3	10313	4942	87.05643135	79.04202678	87.25863981	76.59691901
KDELR1	10945	1575	272.7744287	282.6791772	262.5297003	208.8551761
CBX3	11335	2330	184.0352706	125.0923398	205.4812314	78.97332035
EIF3G	8666	1127	379.2116037	312.993913	378.3253313	211.2301179
BZW1	9689	3400	125.5772662	101.3233325	132.9851145	75.1368309
TAOK3	51347	4399	96.6873416	104.9071357	101.2476192	94.65700639
CCT2	10576	2193	193.9478412	123.2540112	206.3711623	42.55344543
SRP72	6731	3893	108.8869542	74.92627391	102.9558675	39.88259386
RAB7A	7879	2240	188.0535234	156.281316	204.9650832	182.4570867
RPN2	6185	2538	165.812104	178.6700211	168.578267	151.0639348
DDX3X	1654	5433	77.38309363	101.429271	94.61730616	115.6896042
SMC3	9126	4131	101.3767268	89.3272636	96.71737684	51.20749499
GLUL	2752	4737	88.36454975	66.75101956	91.12408011	110.9363159
ARHGEF6	9459	5282	79.2470413	91.67274213	80.64181729	63.65663411
RPL38	6169	411	1017.952521	975.3673962	998.3333493	541.7804118
KIF11	3832	5101	81.93877939	66.44354313	66.52094231	28.01701181
GSPT1	2935	7190	57.6488385	38.39912328	51.83676204	17.37115556
HNRNPR	10236	2760	150.0312958	115.1302204	155.3249206	61.02203405
HSPA4	3308	3385	121.9675213	72.8732	120.6538977	51.19028263
RAC1	5879	2398	171.9128027	136.413003	164.763346	137.2599379
DEK	7913	2879	143.1200121	134.4426445	130.9980198	106.663628
DDX17	10521	4811	85.64591868	104.9087572	85.37467805	113.6900411
DHX15	1665	3019	136.4154119	114.184221	136.1908399	77.31052633
TPX2	22974	3685	111.7052218	89.55636529	85.4312875	31.03726121
NCOA4	8031	3748	109.6639765	126.3986894	135.1252863	110.0720445
RPL13A	23521	1142	359.5550014	458.7387407	370.3958776	205.6195105
ANP32A	8125	2479	164.8115974	155.8660247	180.2611014	109.5843219
CCND2	894	6531	62.43307384	71.82097709	44.67681143	24.54810281
BCAT1	586	9682	42.11427445	15.65030217	36.44345708	2.488022587
MAZ	4150	2789	146.1994999	124.3197051	132.7253144	45.79871371
THOC2	57187	5625	72.48896093	53.63830314	64.11788225	45.12814118
ITGA4	3676	6082	66.67250204	80.56709532	87.78635185	63.33806745
STAT1	6772	4326	93.68880518	47.95590141	61.34388818	460.4484539
STAG2	10735	6277	64.56870658	58.85878466	64.05526539	60.30619304
TAGLN2	8407	1360	297.8627831	356.368448	340.2306084	181.8882872
HNRNPL	3191	2129	190.2740183	153.3348441	187.4668456	95.4619908
SRSF11	9295	2811	143.891934	119.858776	135.4447314	74.24552035
RPS13	6207	529	764.2265414	722.4159817	733.7053055	329.8557275
BOD1L	259282	10542	38.34906473	35.74369853	40.3449274	41.87984729
UBR4	23352	15882	25.44210139	21.62102803	20.81983702	26.37106897
RPL28	6158	4439	90.65923967	98.74113334	88.81670752	97.26982759
HAUS6	54801	6334	63.40682352	36.83388395	59.50931706	47.07573652
CDC42	998	2308	173.6573984	198.2129557	190.8703325	190.1498158



LUC7L3	51747	3525	113.2966163	97.03494215	110.6472821	54.89985617
CCT8	10694	1895	210.6417869	154.6305965	210.5042899	100.4132618
PRKCB	5579	8014	49.70659365	89.08858521	45.55778233	71.58515069
UBAP2L	9898	4006	99.43800337	88.55457666	97.20364832	86.10553731
TM9SF3	56889	6140	64.81105361	58.35748486	67.68682827	52.45347247
RPL37A	6168	434	915.9702692	929.8386914	929.8476825	586.297421
BRD2	6046	4907	80.97141037	84.14692578	78.75276718	115.2611052
ACTN1	87	3809	104.2589458	73.24403289	90.41589945	49.26530742
IRF2BP2	359948	4677	84.77852598	76.23098045	73.72604886	66.6972157
IKZF1	10320	6217	63.77821554	53.76371676	96.17755745	57.99031766
GHITM	27069	2449	161.8231032	164.8725295	175.1360006	120.1843882
RCC2	55920	4109	95.90083524	84.1655699	98.5721313	57.98461224
SMARCC1	6599	5780	68.17587059	53.04805782	65.35936909	23.39489281
KPNA2	3838	2011	195.6456357	159.7835561	177.243855	97.64097318
VDAC1	7416	2074	189.5055936	163.8475623	188.1595729	81.40099889
ZFR	51663	4746	82.81386455	68.69031137	79.955211	53.78482853
SMARCA4	6597	5779	67.97546547	46.07805127	61.53179674	22.76843068
RPL30	6156	571	686.8950201	678.2543014	668.6367142	371.5331845
CALM2	805	1309	299.3187809	221.9815286	286.8243093	152.0149521
HNRNPH3	3189	2427	161.1846418	126.2443105	140.5082838	66.30858923
BAZ1B	9031	6133	63.68530362	80.98712772	63.7333782	82.25219737
SEPT2	4735	3598	107.6464115	87.6962428	101.2968909	72.014715
LRRC59	55379	2933	131.7743756	87.82631557	138.5993457	54.45495154
SLC20A1	6574	3390	113.9498105	21.56021256	123.4675847	25.79624448
ZC3H13	23091	6409	60.14546933	47.66790619	62.80191456	38.97600513
IQGAP2	10788	5769	66.78244527	22.78926746	96.98076757	31.6152549
THRAP3	9967	4447	86.3137449	84.33267561	92.07777547	65.09405757
IGF2BP1	10642	8769	43.65552432	37.1514865	44.74350574	30.21774223
RRM2	6241	3452	110.5414182	129.4262842	99.46052642	61.10396153
EPRS	2058	5021	75.79506969	62.70913833	74.35574055	24.35113189
SUMO2	6613	1066	356.8130007	357.243019	362.3157071	268.7024776
NCAPD3	23310	5661	67.15390789	45.4246455	60.72430785	19.88172546
NIPBL	25836	10389	36.55303689	41.65377551	37.35971765	46.14029719
NUP205	23165	6286	60.37943272	43.74411915	53.44301154	38.96578495
ANAPC5	51433	2625	144.1214465	111.2890094	151.4811127	46.57791742
PSMA4	5685	1235	304.5105662	341.1956331	304.6948664	564.3421661
ILF2	3608	1637	229.606697	155.179756	230.5159339	73.57677059
TACC3	10460	2788	134.7423877	116.611509	117.9193288	60.40918722
FUS	2521	5119	73.26599304	97.46481366	76.85333574	63.07365431
ZYX	7791	2325	161.3112337	152.2929617	182.5682088	180.9235171
SFPQ	6421	3073	122.0464101	144.0834834	138.1292176	86.68935361
HYOU1	10525	4622	80.9673461	47.68098771	64.63796031	37.05210257
RPL34	6164	1003	372.2966391	375.0165223	372.8554612	227.8586104
GCN1L1	10985	8699	42.87903859	40.88297101	39.63866313	23.08419727
OGT	8473	5497	67.81887766	75.11532924	66.64867677	68.20051923
RASSF2	9770	5426	68.66862962	65.09211303	79.12470237	65.25029143
FKBP4	2288	3757	99.11940329	45.49179377	97.51604371	13.25459151
UBE2K	3093	5259	70.77147975	50.29518859	65.08486659	39.60815744
CORO1A	11151	1943	190.8165254	388.4376239	224.8774506	420.1727248
ODC1	4953	2062	179.7052001	139.5135771	212.0020229	45.8459161
TARS	6897	2850	129.8748598	133.3086763	139.2996725	90.63130847
ATP5A1	498	1950	189.7122893	203.4062456	192.3233084	128.2049465
H3F3B	3021	2753	133.9312195	90.65477912	155.1826326	138.0898673
OAZ1	4946	1146	321.5604372	458.4986655	277.6569377	382.2478704
HNRPDL	9987	4262	86.46369333	58.40077636	89.92739491	33.67481554
MCM6	4175	3769	97.71925572	65.03474482	89.8618924	21.32243529
SSB	6741	1673	220.145771	171.8195836	231.4913136	265.8315672
TM7SF3	51768	4346	84.51034146	144.3336419	90.76591106	77.4595488
FSCN1	6624	2819	130.0705163	38.57479608	139.7822206	20.03464092
MLL2	8085	19432	18.84829215	23.39330367	17.05978749	22.3138444
TMEM123	114908	3605	101.5977845	135.4303501	120.9685846	322.594679
ACTR3	10096	2728	134.1096924	198.0825735	156.5273104	207.1037231

LOC647979	647979	5378	67.98937423	69.69218589	68.08413749	51.83052144
CENPE	1062	8630	42.29822667	29.66799012	32.46391582	11.65783834
RBBP4	5928	7943	45.87945834	36.47016117	45.48620697	23.16603757
WASF2	10163	5676	64.16775043	63.87399191	60.48938288	65.33644766
RPS15	6209	531	685.1363072	659.6854622	625.4983896	427.7310438
KTN1	3895	4930	73.21419326	58.98512243	80.74249298	45.82365336
SLC25A6	293	1502	240.1741589	313.7757179	242.9352749	132.2121934
RPL35A	6165	511	704.7523055	703.3837974	722.7510036	341.0787691
UBA52	7311	2823	127.5694042	140.8195216	138.0124336	95.08348292
GLTSCR2	29997	1523	236.3257005	295.1106534	271.2158296	151.655504
PEBP1	5037	1507	238.2923008	145.3513796	218.1546707	38.28283075
ANKRD17	26057	9390	38.1999707	31.53830011	38.54428075	29.51279163
HNRNPAB	3182	1837	194.483953	197.6017656	195.067477	90.36018923
MORF4L2	9643	2047	174.3323153	125.7311924	139.1362278	80.79354227
SBNO1	55206	10981	32.49779159	27.13116287	33.59468112	17.8814313
LAPTM5	7805	2240	159.2204747	625.5231793	154.879276	792.1836664
GTF3A	2971	1404	253.8813939	241.7195006	275.5430186	104.3863937
RBMX	27316	2132	166.9984544	175.1724107	167.3827214	86.68740707
STT3B	201595	2481	143.424554	97.53982089	137.9610292	72.04541958
TPP2	7174	4716	75.40965488	71.159038	72.71313988	50.60721574
TRIP12	9320	6428	55.19825571	71.30784576	54.23457627	93.97133277
SRRM1	10250	3952	89.72925141	80.51747819	87.67889895	62.23458211
MTDH	92140	7667	46.19815172	48.0425757	48.72198488	32.42241342
ITM2B	9445	1896	186.4915985	498.3178182	307.5664248	1066.915415
NUFIP2	57532	10897	32.33566612	28.19916236	28.54099006	33.64216489
BAG6	7917	3832	91.89910426	93.04078695	86.34445102	73.37518023
GARS	2617	2759	127.6394953	78.18123916	116.7847992	46.73692849
SF1	7536	3586	97.97541073	121.1101234	105.2299453	75.69913698
PAPOLA	10914	4539	77.40467567	68.63187779	81.46030676	57.3972123
HCFC1	3054	8436	41.57499578	40.41417824	42.20185193	26.82734338
TCERG1	10915	4233	82.6622064	62.16995055	70.57799494	27.64088892
XPOT	11260	3961	87.92578398	55.91913371	86.89292508	21.77094058
LAMP1	3916	2560	136.0445431	119.9466561	151.5307898	140.672245
PDIA6	10130	2344	148.2322891	102.5752845	153.3256737	74.18361488
CPT1A	1374	5260	65.97865273	44.56653695	62.18038224	18.08775011
KHDRBS1	10657	2685	129.2542694	111.8727967	129.9184883	74.11082767
AHCTF1	25909	8643	40.10632199	23.4099361	35.78860241	12.85820268
DNM2	1785	3684	94.03760989	94.48009054	96.00724498	98.24723316
MRFAP1	93621	1534	225.7041517	201.6243588	213.9017173	161.6527752
CDV3	55573	4213	82.13287028	69.76413747	88.41562646	52.084711
WDR1	9948	3160	109.5018299	164.44488	135.7972628	207.361465
GSN	2934	2797	123.3478197	137.5874317	106.4355484	125.278642
RPS12	6206	532	647.7351115	618.2350426	636.6343467	372.8952739
ARPC3	10094	912	377.1731588	531.1822989	431.6047263	576.8778671
HNRNPF	3185	2773	123.8994405	143.8407882	132.1196452	120.8149182
MCM3	4172	3143	109.0536442	85.99937849	113.4739666	33.62006569
UBE2D3	7323	2623	130.4393615	126.4955652	136.6141652	168.3948833
VDAC2	7417	1963	174.0874544	135.5385765	175.8733062	71.36055688
NAA50	80218	6148	55.58452716	38.96309956	52.51189254	16.16665122
PTP4A2	8073	3939	86.70456634	108.616084	91.40117628	117.3768781
PPM1G	5496	2265	150.7855571	108.5141065	151.0242952	52.55106906
GDI2	2665	2441	139.829947	144.7819082	142.9050148	90.64102712
EIF2S2	8894	2592	131.2108733	110.2987402	124.064586	92.31131019
SRPK1	6732	4408	76.9230156	62.02715612	71.37091871	40.45821875
PPP6R1	22870	3654	92.74008391	74.27756158	100.669614	55.84244495
SEPT7	989	2534	132.762286	110.7128453	141.3289939	81.32303966
NUDT21	11051	4407	76.15205081	57.23771253	73.30483325	29.62709703
RPS16	6217	603	554.5203498	530.2900541	578.8431605	239.0204816
CHSY1	22856	4567	73.03661621	57.37929434	76.42706936	52.79018519
TNPO1	3842	8559	38.8283572	30.72117864	35.84361181	19.46476857
PCNX	22990	12936	25.67466938	26.69995836	26.88425458	38.71436356
HNRNPM	4670	2553	129.6126933	130.0511948	156.1669975	104.8221531

ATRX	546	11202	29.48473911	28.38620256	28.87671573	22.87760583
ARL6IP1	23204	2280	144.5942496	117.1826268	124.1761317	124.5647784
PPP5C	5536	2232	147.6122325	121.1003793	145.116281	56.77440332
MAPK6	5597	4225	77.98118412	54.00725898	89.5147273	52.27216319
SIGMAR1	10280	1655	198.8288402	143.7977688	195.0713688	48.68077792
RPL21	6144	582	564.3446255	524.9202934	468.6746167	212.8633404
IRS2	8660	7014	46.65273097	22.90595462	42.83531945	10.62073304
FDFT1	2222	2115	154.7150142	176.2643412	118.9787947	104.8035957
IMPDH2	3615	1712	191.0151103	185.4769718	183.3931982	37.00948254
ACIN1	22985	4951	65.96830873	76.46793201	71.05415626	66.11340566
RIF1	55183	9950	32.8044935	25.10506931	30.32307932	26.48868136
WNK1	65125	11232	29.06024843	35.01599791	24.45425479	45.93938494
NOP56	10528	2169	150.2035739	110.1321522	151.9613775	39.85114084
PIEZO1	9780	7833	41.59218076	30.66687529	37.62827041	10.15633131
TMED10	10972	4163	78.0133608	53.52694805	75.26670697	37.24729979
EIF5A	1984	1355	239.6823771	173.1681307	230.3081864	72.60548147
SRP9	6726	1648	196.0767789	186.7305447	187.9511287	117.6740599
UBR5	51366	10900	29.62661885	24.18450147	26.61412636	23.21431915
CKAP2	26586	3736	86.43740511	61.25513041	63.6229541	32.72672196
ARHGAP35	2909	8904	36.22207695	41.49332786	32.01068543	35.3750349
C12orf11	55726	2988	107.8704776	71.59283044	105.3595363	46.81336824
SLTM	79811	4164	77.35653238	72.72565287	70.27603134	63.34409424
RPS9	6203	753	426.6866616	567.2911775	418.3606629	428.2459212
ANLN	54443	4786	67.1322725	64.76394995	55.2713166	23.51660004
BCLAF1	9774	7277	44.12404425	52.02593533	50.66537152	36.19073117
H2AFZ	3015	951	337.2049397	288.6749396	383.4674007	137.5068827
MTHFD1	4522	3466	92.28631073	65.51255215	84.12376534	23.71209416
CCAR1	55749	3858	82.80341645	82.6525588	85.21490116	64.48550352
DROSHA	29102	5424	58.85899603	41.69896294	50.44501585	26.68448323
IRAK1	3654	3589	88.72489546	86.73648944	102.1396102	114.2152264
RBM25	58517	4303	73.7177162	71.51567224	75.76397555	50.80715129
RNASE2	6036	735	431.296526	219.1946001	405.6092494	85.6535733
MYO1F	4542	4173	75.91626179	316.4405679	83.89620167	460.643298
PAK2	5062	6139	51.53767521	43.55745589	55.06688682	40.98698105
SRSF2	6427	3003	105.2217835	115.6088321	125.72956	60.26353762
LBR	3930	3837	82.08472373	177.0698086	98.51145115	128.1469138
ABCB10	23456	3861	81.3627403	21.06550892	60.8517624	8.965380877
PRDX1	5052	1263	248.7264769	103.3887199	243.905924	56.09667619
SND1	27044	3522	89.19407731	83.3882676	86.1456324	37.81890739
RAD21	5885	3773	83.15207208	67.56442919	75.99083519	48.17946433
NCOR1	9611	9809	31.94250134	40.48199044	34.76537923	51.34499042
NASP	4678	3301	94.91790234	61.36168144	104.8423021	39.36968495
MYBL2	4605	2731	114.5789906	82.98090091	129.6643208	28.90782005
TUFM	7284	2089	149.694034	121.0699364	138.3616819	49.80777193
BUB3	9184	2782	112.3315783	112.8581067	108.0726871	91.82790261
DDOST	1650	2144	145.7586058	178.141428	147.3277604	128.972867
NUMA1	4926	7182	43.51245488	59.91226876	41.00960141	52.79159848
DCAF7	10238	6369	49.03470949	66.68536617	45.28241471	37.56805087
SRSF3	6428	3600	86.63702568	81.64341977	93.25874606	47.45832232
PRMT1	3276	1592	195.9128721	121.0742916	160.587036	46.02967864
EIF5	1983	5809	53.62102257	78.10076539	63.76005968	78.30223017
MLL	4297	16608	18.74278263	14.8259945	15.18990878	11.34761991
PPA1	5464	1316	234.9819698	193.5393303	219.3122979	107.5211058
MCM2	4171	3453	89.49663657	93.44388286	81.74817294	32.30185447
MLLT6	4302	7500	41.1497485	36.69311542	40.45398898	37.35487284
PRDX3	10935	1591	193.3382671	147.0611684	194.5519644	97.20656901
AP2B1	163	5772	53.22113835	36.52108797	49.67314989	31.66896453
CAP1	10487	2798	109.5708549	172.5798527	134.5637758	231.5126381
EIF4G3	8672	6515	46.99470142	42.37754358	39.37063704	43.00253973
MACF1	23499	19349	15.81301843	16.72195246	16.46686755	15.49419329
GNL3	26354	2159	141.7165788	79.05967416	136.8115314	24.56524414
CALM1	801	4268	71.64051251	49.70401028	80.04860804	52.93125845

DHCR24	1718	4286	71.33964242	79.59795622	64.67699648	52.14219895
PRKCSH	5589	2262	134.811743	177.4189501	130.3016101	85.91145377
EZR	7430	3172	96.13624298	54.86517238	85.99263144	37.07792225
AHCY	191	2375	128.3114849	90.91573537	117.1629603	23.86529753
FAU	2197	579	526.3208576	518.4034997	524.0154012	343.6745635
GSTP1	2950	986	308.4448459	475.0449324	237.8560701	244.3106967
UGGT1	56886	10955	27.72413014	31.77221849	29.45064633	19.27277992
LASP1	3927	4109	73.91527031	80.20675121	92.86451181	106.165539
PNN	5411	3606	84.2256921	87.62527647	96.79490454	47.82845015
ALDH18A1	5832	3470	87.23225212	56.5750995	77.45078284	21.40962326
EIF3M	10480	1259	240.4256671	222.6556929	251.8970824	111.2635212
NIN	51199	10293	29.38808207	27.53746964	28.81995579	24.11131701
RFC1	5981	4899	61.7038462	38.84448107	56.92914574	25.04019003
IGF2R	3482	9093	33.19898496	25.55971519	34.11041787	61.82172577
FKBP1A	2280	1643	183.4872781	220.7983023	166.2758347	186.4119718
CORO1C	23603	3828	78.43345895	42.43600501	79.3697719	55.36651502
RBM39	9584	2809	106.6678969	106.9343037	111.0204015	104.9978118
PPP6R3	55291	5145	58.197422	52.31912209	59.9564143	51.06951683
TOMM20	9804	3407	87.82546229	69.328631	90.41772294	26.49934631
ACTN4	81	3966	75.34356472	80.40180834	67.76455281	85.90211204
HERC2	8924	15334	19.48692955	15.9705961	18.89079222	10.00659176
CAD	790	7108	42.01015637	20.69071074	37.54257929	4.528163929
IL17RA	23765	8606	34.62642726	7.974955485	39.5759976	9.102947939
PICALM	8301	4169	71.47877981	106.4187756	78.14850132	195.7767271
RNF10	9921	3864	76.80349793	73.98921701	78.9583839	76.32993098
SMG1	23049	16065	18.44755329	13.49618439	16.61080944	16.70841409
CNBP	7555	3399	86.94980847	68.7051055	78.94429154	45.61944955
SRRT	51593	3032	97.33958663	111.1223679	109.9628474	104.9532231
CALU	813	6181	47.74852397	32.01349685	57.52989053	21.45136794
ACSL4	2182	5351	54.92567925	81.62064326	49.00100707	131.5730864
RAP1B	5908	2126	138.1481296	139.6110706	175.2093294	197.6680713
PNRC2	55629	2428	120.7124238	128.2113923	127.5714416	143.067516
PCBP1	5093	1772	164.9391762	171.2743322	154.4095745	135.5999212
UBE3A	7337	5276	55.35781542	35.47753131	49.97789655	25.36115967
MAP4	4134	6337	46.05703771	18.21482258	33.77488768	8.656812665
FAM120A	23196	4957	58.87904942	68.32876353	56.90239185	44.75731971
ZFP106	64397	10487	27.83097625	38.03475786	26.89664884	37.58262574
RPS19	6223	872	334.4714011	460.7423516	338.0071584	360.9826627
RAD23B	5887	4130	70.57013938	57.35378786	71.92890423	48.62213851
KARS	3735	2197	132.5672688	105.6857795	119.1542191	70.11759887
PARP4	143	5485	53.06215192	72.15147641	50.46181174	105.9937456
ARHGEF2	9181	4194	69.34704748	117.1013918	70.1259866	198.5192926
GRB2	2885	3303	88.05374421	98.5645027	87.18774742	139.8554845
MIS18BP1	55320	4792	60.65048643	68.07743123	58.64122133	55.7608721
MNDA	4332	1670	174.0342102	147.5766164	160.2980794	302.3099307
RPL31	6160	1129	257.428814	285.3995236	255.2634318	172.4858868
ARCN1	372	4032	71.98123974	68.80622334	73.10075449	75.76020689
TP53I11	9537	3648	79.22205088	21.5013994	53.34245209	20.47594584
NUP153	9972	5687	50.78207411	37.06694562	47.07188195	24.45377683
FAM101B	359845	3895	74.14573952	46.79772429	73.88186007	69.17402223
UBQLN1	29979	4177	69.09103885	54.46784082	66.61767554	56.1683151
NSUN2	54888	3389	84.91464285	65.62024768	94.57627117	48.50169275
SIN3A	25942	6795	42.35110002	26.30048759	35.82046285	19.51301034
SLC7A1	6541	7357	39.0603442	31.28804721	37.01862952	12.24423597
SETD5	55209	6827	42.09271309	33.1295115	38.00464142	31.4006395
EIF1AX	1964	4431	64.85374684	39.52753108	69.90373734	19.09620057
PLK1	5347	2204	130.2915454	84.32053497	109.956271	32.32983655
ELF1	1997	3760	76.31866488	54.34509891	75.41067812	147.030113
MED13L	23389	9393	30.55021611	17.31798785	33.31339631	21.7665444
ST13	6767	3214	89.28381454	61.2200562	88.28731628	38.29394794
P4HA1	5033	2953	96.96749794	114.9252214	135.7288155	237.8007875
TMSB10	9168	482	593.6527703	864.054539	607.9916266	1910.894868



STARD7	56910	3394	84.06690943	66.37709024	87.34016505	41.15377591
AP2M1	1173	1958	145.721701	116.4238184	132.4036783	87.98108395
RTN4	57142	4871	58.57587571	44.23715996	57.99378484	44.34235204
PSAP	5660	2848	100.0401398	240.358851	120.7023549	720.5842039
CACYBP	27101	3060	93.04246147	54.68867524	96.11385223	28.44588597
VPS13C	54832	14607	19.43536574	24.53035922	15.88215705	23.96108058
INTS1	26173	7000	40.55605534	33.29756975	35.37510576	22.64311424
PSMD2	5708	2990	94.87893018	68.71295496	93.27621572	47.52677652
BUB1	699	3509	80.84582538	54.73974758	63.94540227	30.0556961
MTRNR2L9	1E+08	527	537.9195732	749.6818786	482.7075003	564.265654
EIF4A2	1974	1905	148.27385	139.3142927	134.8673332	113.06263
DOCK2	1794	6117	46.07626708	51.03622549	45.11000463	40.30707129
TAX1BP1	8887	3506	80.3903382	73.40894206	85.75533811	86.3758069
OLA1	29789	4356	64.56275648	46.34674297	61.16393115	18.077325
SYK	6850	5079	55.33195138	62.43176027	65.14509476	39.25820634
MAR6	10299	4611	60.81496911	50.59766231	58.46873899	50.79379623
MCL1	4170	4107	68.22825332	125.1704416	80.87159602	264.7298327
EIF2AK1	27102	4465	62.71199333	58.69008673	62.93588636	35.54406015
ITPR2	3709	12568	22.24699856	81.00911335	23.36774493	73.49482031
WAPAL	23063	6302	44.23718394	41.79438803	43.31639347	41.37232236
RNPS1	10921	2258	123.2834193	100.8569547	119.3974116	60.78244866
C12orf35	55196	6246	44.56835749	21.90510221	57.54008631	40.54410944
EIF1	10209	1326	209.7809764	223.8409774	204.273804	216.3210398
PTPRC	5788	5330	51.9593354	96.11488597	74.00912748	219.2156467
IMMT	10989	3018	91.76383622	84.46673007	91.50072336	39.97601137
RPL39	6170	401	690.1218741	814.6451766	687.0706454	584.5701329
EFTUD2	9343	4167	66.31391869	59.46482972	68.34937805	36.33712251
WDFY4	57705	10033	27.54212092	26.94070035	22.21722548	18.17885035
SRCAP	10847	10491	26.33972922	28.75945621	24.00642794	26.35762337
BUB1B	701	3749	73.70768183	45.17280352	57.25935384	11.98698522
UBAP2	55833	4299	64.04004847	47.0649169	62.02404486	30.41847999
EP400	57634	12317	22.31869741	21.61931138	18.93792129	17.05944303
DNM1L	10059	4612	59.56093015	60.87796678	62.16683026	36.38628087
PPIB	5479	1045	262.8660381	235.4136689	278.4106377	161.5556667
METAP2	10988	3506	78.23338206	57.83734829	74.54627775	29.67724916
PGD	5226	1937	141.0760489	878.7913674	146.0559089	819.6435582
KRAS	3845	5436	50.26937209	46.5669481	51.77176272	49.49005866
MTSS1L	92154	4977	54.86436016	7.835185821	54.59357105	1.342204637
CCNA2	890	2811	96.99436079	60.80137645	97.63746176	24.55647181
MDN1	23195	17400	15.5873819	9.668889482	12.65280008	4.70007245
PLEC	5339	15249	17.78611352	6.736564212	18.51114441	3.424922726
USP22	23326	5220	51.91878522	45.97524932	47.72121334	30.79090368
PRC1	9055	3128	86.64196254	75.08492638	62.61540083	30.80439219
ATP8B4	79895	5679	47.65051708	40.25820295	40.5529829	49.11903031
ABCE1	6059	4194	64.4250153	42.98322412	69.62220796	12.98363475
CEP57	9702	3158	85.56001081	69.22066616	73.52816743	49.74186119
NRD1	4898	4040	66.8302297	65.02963745	65.94804061	55.567725
G3BP1	10146	2855	94.4972826	66.49858053	95.17064908	33.96267088
TXNRD1	7296	3923	68.71918319	64.4130167	68.2918882	89.784915
APEX1	328	1574	171.0143477	175.6895564	188.1964647	51.18595137
ITM2C	81618	2123	126.6943934	64.55115455	129.4778495	36.61454704
DIS3	22894	7667	35.08180477	27.72693117	35.93521962	21.01648297
BPTF	2186	10914	24.64469463	20.39672458	22.95984304	15.7283925
DKC1	1736	2594	103.6113381	76.53967699	105.3165753	31.05886178
PHB2	11331	1457	184.4665827	185.9742928	191.5629168	75.99765823
NCOR2	9612	8857	30.32216606	30.49262887	30.29599717	32.18017828
NKTR	4820	7312	36.72913359	34.61951995	33.89456032	23.5594861
NUP98	4928	6980	38.3882903	33.2972049	37.14131837	27.60920882
CELF2	10659	9256	28.90465579	30.04485637	34.49127857	20.18602426
ARPP19	10776	5162	51.82903796	39.9303048	51.40907793	23.96048727
RPSA	3921	1155	231.6376571	259.1032862	213.6628582	100.6010107
POLE	5426	7859	33.99067587	30.53706597	32.82589307	12.49242888

TOPBP1	11073	5378	49.67138744	51.66834471	48.67642606	27.36440747
SSR1	6745	9874	26.99205622	23.62829866	25.91308953	12.75174729
TCOF1	6949	5113	52.12586801	33.77573453	46.90166324	15.91558829
CHCHD2	51142	831	320.7214959	349.6676545	318.8340442	204.86483
CDK1	983	1923	138.4894316	98.03247597	123.8262746	46.94917986
LRR58	116064	7683	34.66291513	25.08789175	39.40792178	13.17381641
NUPL1	9818	4335	61.33942437	29.04278359	55.36781751	29.04515635
QKI	9444	16378	16.21062598	13.17023073	13.64875305	19.15769554
SEC61A1	29927	3656	72.56379817	76.00447425	78.71166438	77.6272609
SNRPB	6628	1153	229.7350163	193.8431768	247.567834	138.1713054
TOP1	7150	3734	70.93853074	73.87971712	80.91516035	90.91408762
CCNI	10983	1890	140.0423744	140.7736643	149.1290326	119.3152134
TBC1D1	23216	5688	46.49713457	89.63452579	59.9160197	70.82163103
LAMP2	3920	6603	40.02291614	67.59561829	43.16570393	72.77996678
USP34	9736	11326	23.29706365	23.64867447	22.96411277	18.06953739
STK17B	9262	5324	49.56095848	14.31419575	64.5680516	22.16679698
AKAP9	10142	12463	21.15527215	27.80268192	21.03862544	31.12041253
SYMPK	8189	4188	62.90682202	61.50778022	60.08599589	48.04543691
BRD4	23476	5198	50.4870796	51.2712372	49.5490812	53.50851437
CUL4A	8451	3797	68.90026207	50.99857863	63.26857352	26.54979556
RBBP7	5931	2021	129.0434193	97.79940196	120.1218163	53.18640585
PABPC4	8761	3230	80.74202799	76.50818804	85.69134284	24.94324689
TYK2	7297	4262	61.04729984	105.6128633	72.62603834	115.985754
SETX	23064	11016	23.61869934	27.87431369	24.45425479	55.89947359
ELAVL1	1994	6075	42.76128717	33.37905236	40.23974797	17.66046047
NAA15	80155	5554	46.77256384	29.6896267	43.86232082	14.76119724
KNTC1	9735	6965	37.29717438	34.26472439	32.85303612	17.46730031
UBE2N	7334	2568	100.91965	77.92202138	98.15526492	51.71079988
FAM46A	55603	5617	46.13880382	35.42631075	87.45541573	65.22988107
RPS28	6234	401	645.7787404	623.4869633	662.3065961	453.8243087
ACACA	31	10692	24.21972268	48.26791039	18.97057341	14.50247933
ARID1A	8289	8585	30.16392253	36.36442531	31.40353588	36.76023266
DDX6	1656	6246	41.42697546	49.19728983	41.37067934	45.53515089
HP1BP3	50809	3938	65.70667566	56.81158341	57.78407516	34.23504894
PYGL	5836	2859	90.29021694	79.96723839	87.05612063	151.0251013
H2AFV	94239	3755	68.69117019	59.63963999	65.3266599	26.52330242
IREB2	3658	6367	40.4470821	40.59775629	39.98714268	41.10892411
KDM1A	23028	3125	82.34309938	43.35432714	70.92406869	22.47770094
ARHGAP11	9824	5616	45.81947749	33.68677873	42.06131823	13.7331547
SF3A3	10946	2855	89.98718502	89.05502392	88.95421477	44.73996936
PUM2	23369	6111	42.00769548	37.95922514	38.27397003	30.37592331
SMARCA5	8467	7926	32.36243261	29.94156059	30.86900753	34.55541907
ZNF207	7756	2333	109.8586604	136.966168	105.6876625	145.4225351
ATP2B1	490	6950	36.87773449	17.63424124	29.36706179	54.55385041
ANKRD11	29123	9326	27.43850337	30.84677204	25.23817544	30.64867623
SLC16A1	6566	4390	58.24307431	24.26287547	57.03244697	9.821719319
LRRFIP1	9208	4510	56.46677725	68.77673995	62.54216329	58.03559197
ARF3	377	3556	71.50067296	102.7687297	76.35008952	88.97534106
STK10	6793	6039	42.03471116	57.41474705	42.12400276	79.07429835
G3BP2	9908	4410	57.56181876	51.43847462	58.06737659	42.55137323
ASS1	445	1863	136.0380292	8.611891198	98.10054674	1.847176957
USP7	7874	5412	46.8290555	41.09146699	44.31045901	28.38941371
TUG1	55000	7115	35.56290598	44.37862464	32.01194276	40.91253759
GART	2618	3552	71.23594483	51.81863671	71.49895359	37.78444418
MSH6	2956	4435	56.96083511	38.28602159	53.78590656	18.57689904
USP9X	8239	12401	20.35456153	19.98144871	19.45707584	24.97509558
DDIT4	54541	1752	143.8402655	54.43629513	123.0082515	42.9814709
CEP170	9859	7204	34.72635615	26.07550711	29.85673058	28.63339969
SNRNP70	6625	1940	128.8475688	110.6123069	137.0083659	68.55451699
DAZAP2	9802	2182	114.1827401	163.6012653	125.3958597	177.5659229
MTHFD2	10797	2306	107.9541859	67.44892192	113.33879	60.65843205
TRA2B	6434	4290	57.98087797	63.73326438	70.52675484	38.92862749

NCKAP1L	3071	3909	63.63212241	124.327983	74.04966054	143.2900138
ESYT1	23344	4285	58.04853361	19.86513082	74.94815339	13.60548717
SLBP	7884	1743	142.589547	110.0739768	171.282483	59.34661444
SEC24C	9632	4563	54.37756038	48.83468874	48.06346314	43.29839365
DDX46	9879	5695	43.49710898	34.43244295	50.19636209	16.27961707
FANCI	55215	4749	52.16172577	55.64951866	46.00304132	28.34600839
LONP1	9361	3111	79.56015735	55.72607802	82.04178455	36.04808424
CELF1	10658	7682	32.19308296	27.87584093	27.42136255	27.53686043
PNISR	25957	3222	76.7558235	85.68891881	71.21516165	65.52864806
SPEN	23013	12227	20.20960801	17.73257563	21.51382415	18.37703753
TAOK1	57551	12096	20.4284786	20.74318808	16.8734358	21.05286951
CTSG	1511	924	266.9849619	35.93297622	31.32685315	0.438157712
LAMC1	3915	7889	31.2188278	15.78951334	26.43402959	11.11062209
SKP1	6500	2714	90.67094559	69.54284598	86.4134433	47.51185914
EWSR1	2130	2694	91.11647655	84.53415138	87.99610328	71.53388179
PRR11	55771	6487	37.7139268	36.92695176	31.6259447	11.04668067
SRSF10	10772	3056	80.05570784	75.54144679	79.02437246	45.17555122
CD4	920	3134	78.06325563	209.6788728	89.52972658	165.5472801
SRP14	6727	1126	217.0922353	217.4894498	221.0421393	163.9565924
RBBP6	5930	6853	35.66990471	32.32098185	32.40336848	33.52644965
SMARCC2	6601	5588	43.70820881	54.43210714	41.44024668	47.4918109
KIF5B	3799	5905	41.25796991	42.03820674	36.21002176	35.89212862
WIPF1	7456	4664	52.14827186	101.5742469	55.67516546	165.9708345
TRRAP	8295	12596	19.29304174	17.56691457	19.3906942	13.66025195
MYO1G	64005	3313	73.29030113	95.24029025	74.67988396	85.66413096
U2AF2	11338	3148	77.13175592	72.90904234	78.19146982	39.80415063
NOP14	8602	2939	82.61679743	66.19017822	87.13070118	23.55585952
RNF213	57674	18702	12.98314446	19.30215748	11.17317019	142.0855355
LDLR	3949	5292	45.84398743	45.64448796	35.05442564	72.60203739
CD164	8763	3128	77.49424402	90.82853998	83.35210854	195.6984916
LAP3	51056	2100	115.4295216	91.46751155	101.3160737	508.0000513
STT3A	3703	2803	86.47948459	78.62344817	83.51891387	41.30906515
PSMB2	5690	4759	50.89254237	51.50576869	54.16419602	38.92044749
COPA	1314	5666	42.70971108	40.1932587	44.26315068	48.23137398
CEP350	9857	13473	17.96134662	16.45650719	17.92462571	16.81272899
POLR2B	5431	3748	64.51142924	63.08043717	77.28692845	38.45500278
SPAG5	10615	3824	63.12240179	51.80393743	52.93169492	21.54512218
RAB10	10890	3785	63.77280435	54.98698218	59.1708975	65.56876776
TARDBP	23435	4236	56.88651844	46.0815467	51.92337974	27.38237452
EIF2AK4	440275	5532	43.52257881	31.94257393	37.77307104	16.24700202
DGKZ	8525	4094	58.70985189	52.95950226	57.74979188	36.83671297
LOC22090	220906	5376	44.55740122	31.66744255	46.45435043	17.0573428
PHIP	55023	11966	20.01843464	20.14916972	19.17560177	20.2834871
RANBP2	5903	11711	20.41941906	18.93250118	22.94886999	16.81865628
PRG2	5553	874	273.372346	186.6287474	1087.850602	518.3475919
PLCG2	5336	4263	55.95089329	63.98010934	51.9414567	83.14636149
MIF	4282	561	424.8026238	326.1062998	445.5434451	191.9646258
UBE3C	9690	5195	45.83443422	41.77844753	44.33116263	31.17287591
RAB8A	4218	2194	108.4345942	83.58764792	101.212527	104.9050215
AZIN1	51582	4348	54.71607627	59.60313072	54.71633884	60.29102519
WDR43	23160	3501	67.89520521	43.47178625	63.48802312	20.00582307
AEBP2	121536	5660	41.99666315	28.62179537	33.26055166	24.57042913
CASC5	57082	7685	30.90393328	23.66056874	27.24569922	12.48552779
PRR13	54458	1262	188.0287964	308.6462226	201.9092094	380.797243
EIF3J	8669	2558	92.68489247	70.47366769	96.14365216	45.42383399
ATF4	468	2022	117.2541815	128.7183856	142.6328879	122.438427
MRPS35	60488	1919	123.441151	129.2406348	133.3329057	73.41870173
UQCRC2	7385	1674	141.2633193	119.4031769	122.6814743	80.53621429
CAND1	55832	5956	39.703626	37.22607813	35.11952884	24.33496741
PDCD11	22984	6416	36.82518863	19.93546774	34.87384075	8.203164646
SAT1	6303	1199	196.8857582	297.915591	203.3549747	1363.482483
NAPA	8775	1846	127.879753	123.0046077	132.5394115	413.9593487

CCNB1	891	2101	112.2616078	78.37855974	91.31202442	28.51924961
CHD8	57680	8254	28.57543469	33.01724902	29.46314034	47.62743541
NCAPG2	54892	3950	59.71180707	37.28921636	54.77356851	18.03923032
LRPAP1	4043	1586	148.1993022	388.76295	141.2117573	384.6914205
RAB27A	5873	3474	67.59922484	38.74235509	52.72996203	26.74578241
XPO6	23214	4422	53.10712508	37.84426645	45.20022258	49.6229958
ZC3H11A	9877	4795	48.9759556	47.16896246	49.65963004	49.68900348
ETF1	2107	3713	63.24796851	50.11184804	69.47985285	47.59504373
C9orf140	89958	3865	60.70771563	39.20471556	51.5502018	13.04134201
TRAP1	10131	2310	101.4852531	61.25487221	108.8436649	20.50578092
POLD2	5425	1789	130.9259634	91.30036776	120.1098951	19.34898578
CLEC11A	6320	1423	164.6005261	184.6238477	96.06552396	39.5468896
SPTBN1	6711	10238	22.85819129	19.91520869	28.66522109	19.73276082
PCNP	57092	2250	103.9190117	82.59664848	95.4068078	54.88071396
LMAN1	3998	4848	48.18758046	33.78342064	45.93525959	17.5789091
FNDC3B	64778	7027	33.2451103	28.69838903	39.08783119	86.50830731
ITGA5	3678	4267	54.65306251	37.13007707	51.6947014	56.69146736
TBL1XR1	79718	6550	35.51014645	34.4285003	33.06364586	26.11486858
ATP11A	23250	8795	26.4226348	28.0979474	23.30258312	36.87220449
PTPLAD1	51495	3213	72.32713136	42.30561397	69.11306698	17.01082882
PSME3	10197	3228	71.99103874	67.23638009	86.79169565	52.11226305
CD44	960	5748	40.39364769	17.05747761	62.34150231	19.19341168
MTA2	9219	3069	75.52098878	86.83867415	88.32790773	60.15481362
ANP32E	81611	3470	66.73473441	66.52872086	66.97787824	43.51928869
COPB2	9276	3221	71.76676686	61.22537286	73.99230389	55.05361191
BAZZA	11176	8934	25.87427312	29.65615202	28.6395619	61.69843226
PLEK	5341	2866	80.44228805	414.8762058	95.91119139	440.3145609
MLL5	55904	6873	33.54395425	37.54404902	33.13909104	54.42871217
IGFBP2	3485	1439	159.645624	54.50806465	76.64395096	24.75849887
PTDSS1	9791	2504	91.74522879	118.1796347	102.2672247	64.75460033
EIF3L	51386	1970	116.5104907	169.3302178	117.1182535	51.58339553
USP10	9100	3399	67.40714751	53.36446172	66.13915448	40.73590534
PRMT5	10419	2470	92.67712883	50.15990798	85.54038922	20.73461633
BDP1	55814	11097	20.60990556	15.86355059	18.69709252	11.36461941
MRPL3	11222	1781	128.3008062	74.0690339	124.8015547	19.77687937
H2AFY	9555	1940	117.7854309	139.7873079	121.761012	78.46727059
TXN	7295	508	449.8105037	393.4663744	430.8878204	292.485798
LYAR	55646	1584	143.9993457	72.58943518	156.0626078	27.09275186
SHMT2	6472	2357	96.68671081	80.73785014	90.44816471	43.19971068
FARSA	2193	1853	122.9846613	76.12147299	127.591823	45.22695589
TBC1D2B	23102	6087	37.3381664	30.45782712	33.25296556	21.81589192
PCNA	5111	1355	167.7324124	148.6647579	181.3462564	69.46820758
MAN2B1	4125	3239	70.04280535	87.2342835	62.75268306	66.9346441
CPSF6	11052	6630	34.21849872	28.70273194	33.42951956	13.34259625
FOXM1	2305	3641	62.19716402	55.57046903	49.67309962	23.1839703
NCAPG	64151	4682	48.32453824	30.8881701	44.49525303	16.81863043
EIF2S1	1965	4165	54.32304634	40.50044234	56.20732667	27.60614506
PPIF	10105	2213	102.1469055	128.3830425	109.9864641	75.28194949
YARS	8565	3117	72.52200894	57.04859879	75.91881063	39.09598187
NUDC	10726	1397	161.3729015	99.21397989	179.8264719	48.97706205
HDAC2	3066	6684	33.69742028	26.37053465	33.66521108	12.02337801
BAZ1A	11177	6031	37.31208274	70.34876998	43.68630367	117.2751529
UBE2R2	54926	4457	50.48893224	52.8458936	47.12072084	56.09146191
RALGAPA2	57186	9453	23.71856832	26.02425515	24.20621988	21.84253044
RAD50	10111	6597	33.89396208	35.39921989	29.8495373	20.40551673
ZEB2	9839	9243	24.19111412	16.17664519	21.53307857	16.68839052
C1orf144	26099	3651	61.13111353	54.68586292	58.159733	56.49822277
CNTRL	11064	7431	30.03494758	30.61662914	26.44258216	25.74287115
PSMA1	5682	1498	148.8553467	135.6631565	160.7908064	126.6193889
TM9SF2	9375	2391	93.08930866	113.1404765	103.38903	107.8604648
GLT25D1	79709	3593	61.77661522	45.33556709	69.68339611	31.88832074
PPP1CA	5499	1521	145.9325302	158.5173997	195.5877344	148.2615078



TRPM7	54822	10404	21.31478204	23.36701836	22.84653561	23.64004887
KRI1	65095	3023	73.35725846	69.43711182	66.18811413	31.07078809
MAPRE1	22919	2640	83.99961831	88.87985494	86.27461089	72.15362123
MST4	51765	3352	66.09624289	57.63601959	60.00688926	28.02117912
SUGP2	10147	4768	46.46698955	43.46358993	41.25547668	26.61973512
LIG1	3978	3083	71.59813866	67.79664557	67.23008462	20.6171466
EID1	23741	2096	105.3134835	101.4228918	95.56200084	70.40584022
WSB1	26118	2849	77.47878606	160.9651334	71.41706746	249.0393698
TNPO3	23534	4583	48.11971969	43.7107972	49.88219764	39.31086363
VPS35	55737	3298	66.8066371	50.13397577	63.29573809	34.98618917
WBP11	51729	2690	81.75446722	59.72578651	72.7322264	44.24839086
RUVBL2	10856	1488	147.6580179	91.0499142	126.0892931	27.88838502
ATP5F1	515	2116	103.6419463	111.3110339	109.3368685	41.32763176
DNAJC8	22826	1765	124.2528942	91.02683609	121.2642851	65.60300828
CARD8	22900	5512	39.78707517	50.1292687	39.21340908	83.76999935
GMPS	8833	2457	89.17459184	58.49698073	78.59758725	24.71658888
PPIG	9360	2717	80.49068819	70.53224471	82.89641355	57.14499002
KPNA3	3839	4478	48.74596415	30.70294026	38.87866087	15.05332992
HECTD1	25831	9134	23.89801045	28.10414417	24.38079029	16.64375696
UBA2	10054	2682	81.31246879	54.33727659	79.01514379	34.11552798
NMT1	4836	4903	44.4788989	38.31286013	42.53274719	34.68085761
SOD1	6647	981	221.8871243	129.4746486	206.9772229	66.03184113
SLC16A3	9123	2102	103.3598937	199.5105198	116.7996635	269.0705248
PDCD6IP	10015	5972	36.34596625	54.70072268	33.71640616	81.52066567
RSL24D1	51187	1487	145.9704845	110.4422923	138.6778259	83.31302228
MED1	5469	8148	26.58926585	22.5895677	25.80121963	17.49017176
RLIM	51132	10652	20.33884136	19.60141059	19.45835063	19.68797428
YEATS2	55689	6524	33.1767247	26.50493001	29.14719271	48.28009055
SH3BGRL3	83442	1131	191.374847	288.2442244	226.6033736	485.578696
ERO1L	30001	3334	64.8591979	48.92427271	68.88618344	73.77056643
STOML2	30968	1303	165.9559216	122.788847	160.3688634	50.80141073
C1orf43	25912	1909	113.2742618	119.2954446	114.6626573	99.46478442
ZNF638	27332	6527	33.0988478	35.67644485	33.27726899	50.52192703
NT5DC2	64943	2105	102.5329185	18.41942382	85.91912386	2.211811804
XPO5	57510	5378	40.13235282	31.4484953	37.75467751	17.91672346
NSD1	64324	12998	16.60500027	16.86931542	17.05167831	14.23449613
QARS	5859	2437	88.48067595	107.1645082	87.4790005	43.02755478
NUS1	116150	4811	44.7346986	31.58842049	45.454111	23.0157115
NUP188	23511	5689	37.83066179	26.98747052	35.43077208	12.56062377
SRPR	6734	3100	69.35943509	78.56649175	62.09045729	60.66335925
ATP13A3	79572	7384	29.06358023	17.86524233	32.99178357	19.16275396
SNX3	8724	1497	143.2205012	170.5853418	157.3697454	192.9632515
TMEM106	79022	1606	133.3727921	142.4963681	120.3770589	59.11527816
SEPT6	23157	4716	45.37580957	43.37582795	34.31809313	33.26598151
MAVS	57506	11771	18.16225739	21.9406237	21.53952201	16.50936271
SPCS3	60559	4596	46.47161567	46.05984563	47.94821717	28.3206612
PSMD3	5709	2174	98.15048732	68.87928434	103.0183289	62.75853433
TMEM33	55161	7717	27.65053252	21.65666886	30.93841912	22.48043742
SEC63	11231	6500	32.82756299	32.77354563	31.85524094	18.99717022
AKT1	207	3008	70.86927303	65.2644931	69.32781232	46.23292183
FAM60A	58516	3134	68.02002976	56.45473889	65.9337896	53.73988959
ADAM10	102	3927	54.23233692	57.53815695	59.56002822	86.70367901
PRDX6	9588	1715	124.0618081	80.16779387	113.8350551	55.35809722
RBM3	5935	1588	133.9836278	159.5470797	165.1161139	55.70617954
CREBZF	58487	7575	28.06093924	26.82817274	27.78080823	16.94256094
HLTF	6596	5351	39.72371795	26.23520676	33.48336342	14.03496695
GNB2	2783	1681	126.4495031	169.1460474	123.4275049	183.5226574
CSDA	8531	1976	107.2613645	49.95692274	86.71656957	19.66920126
IARS2	55699	3549	59.66302341	42.38153345	59.83127224	24.41238471
PAIP2	51247	1521	139.2137213	92.00455359	124.1870984	107.4030851
PXK	54899	2048	103.1910634	58.86351682	94.50041084	39.0426762
SPTAN1	6709	7907	26.72762081	23.61626278	28.37794569	21.65863388

CTBP1	1487	2483	85.03057253	79.51258908	87.21984712	60.24765595
ZRANB2	9406	3162	66.70668103	60.25361969	59.93751769	45.645724
PIWIL4	143689	3214	65.62741923	83.33692815	60.08533662	74.446458
OPA1	4976	6510	32.40038793	28.82106306	28.75549901	16.16943299
STRN4	29888	3242	64.99757534	71.61988202	74.36024451	73.17909543
RSRC2	65117	2449	85.9606995	73.7012963	77.90532442	66.37418414
PHF3	23469	6947	30.27398401	23.89669643	28.43691548	28.84764277
TLN1	7094	8434	24.93637265	53.47561702	29.8113429	72.43660285
ADD1	118	4068	51.64920864	70.00495848	61.23518526	62.30111515
HADHB	3032	2196	95.67804224	80.26441422	85.72619416	46.73562546
CPSF7	79869	3764	55.76636413	54.8201557	61.18501325	34.47314058
TRERF1	55809	7580	27.66493515	20.84279334	28.59870253	24.40896844
ERP29	10961	1472	142.3205314	163.3399911	159.6118578	227.4574316
INCENP	3619	4146	50.48032708	38.26745575	42.34868227	16.25875817
ZDHHC5	25921	4582	45.63226755	57.43461385	49.20140558	68.43350256
SAMD9	54809	6855	30.50139313	39.10542958	29.37335924	500.6533833
LUC7L2	51631	2725	76.65418853	69.91631026	83.19579778	42.49148977
EMP3	2014	850	245.503856	113.5135912	303.0072048	90.73576092
ATP2B4	493	8911	23.41805382	29.03251565	18.23341729	5.452017406
HIPK1	204851	8155	25.58899786	18.63542501	25.23499173	15.51416792
PTPN7	5778	3772	55.26879412	111.2981914	68.8411908	112.3769987
UBTF	7343	4635	44.97818585	40.48006916	43.8068297	27.07786301
ERLIN1	10613	3450	60.36797253	57.87190885	45.68650202	24.46748865
YLPM1	56252	8150	25.55454052	22.55668281	23.43575758	13.83470879
BCOR	54880	6436	32.36008472	25.72478011	32.89424035	20.50708804
ARID2	196528	8466	24.57655552	27.87382626	23.85875642	18.00483508
SMCHD1	23347	8672	23.96918045	21.40447721	25.87458678	40.73320639
DLD	1738	3579	58.07788011	54.97660258	55.25636676	34.04922478
PKP4	8502	4604	45.0590705	25.50669523	34.55634781	6.067589724
LGALS1	3956	586	353.3160209	54.37725925	329.1859849	38.34403377
CYBB	1536	4353	47.56333293	405.1224137	99.93919679	815.4353577
CLPTM1L	81037	2164	95.58170151	69.09460788	96.85512166	57.24882816
SRM	6723	1273	162.4813842	75.09443971	157.8411689	19.87714679
COPS2	9318	4124	50.15489866	41.06518923	47.49296163	35.43977669
ZC3HAV1	56829	7190	28.7391399	38.83301168	31.06091693	81.47832119
IL2RG	3561	1560	132.4579589	116.4157936	158.0572542	272.8896787
ARPC1B	10095	1551	133.0947967	292.225455	151.6182717	321.4586006
SF3A1	10291	5136	40.1927628	40.39276275	44.92269459	27.78667219
CCNG1	900	2484	83.1038767	90.96310078	67.87650546	36.99786787
RRM1	6240	3234	63.83117802	60.01461608	63.82968827	18.77818766
NFATC3	4775	6453	31.95810376	29.21376899	33.03677735	34.03615625
ITGB1	3688	3879	53.16464129	50.66729259	53.48843404	75.56509244
FLII	2314	4176	49.38353533	60.61732037	45.990864	42.46352585
SUZ12	23512	4477	46.06335572	37.57844025	50.82727004	35.22271258
SRSF6	6431	4023	51.21085195	62.14722155	59.66181678	37.33587281
PIK3CD	5293	5411	38.03675314	64.98428692	30.84734088	75.08311365
ATP5G2	517	1178	174.3702028	165.7057995	197.8328453	112.3841056
SLK	9748	5629	36.45473667	38.4781257	35.05773088	30.67539885
PPP2CA	5515	2643	77.56312015	63.82305802	88.4949795	64.87220845
NOP58	51602	1979	103.5873302	91.43008591	113.0624367	40.40394182
CLINT1	9685	4061	50.42968244	52.73139868	53.69265544	35.19201607
ACSL3	2181	4369	46.87455719	46.20883781	41.00926474	65.56119045
EIF3H	8667	1286	159.0906331	160.9732225	161.1744564	96.64955043
DHFR	1719	3932	52.03218571	50.09768396	56.47514857	15.49620746
BZW2	28969	1883	108.651383	76.09209575	104.5764193	36.01363202
OS9	10956	2869	71.31075434	113.2415665	88.37285243	187.4001603
C1QBP	708	1163	175.9162117	127.6066793	206.3796121	60.39794965
SLFN11	91607	5292	38.62172488	32.88592721	32.85853337	32.93485469
SP1	6667	7667	26.65790636	32.63872505	26.59316483	45.7557349
PLOD1	5351	3047	67.07783657	47.09689825	94.65168994	80.25404216
MCFD2	90411	4334	47.15878358	41.54333393	49.28677751	35.63756863
ZNF609	23060	8618	23.69247875	16.44483494	20.49594575	18.11007813

RBM26	64062	3624	56.34155129	51.4654959	56.37758395	37.08961507
NFE2L1	4779	4891	41.7046403	33.62308758	38.79241785	44.45074603
FBL	2091	1171	174.1907734	109.227977	159.3206185	36.64809475
FXR1	8087	8911	22.86758047	19.5800687	21.90855342	13.01669156
ZNF770	54989	5453	37.36897296	28.52323747	35.72428938	43.21056235
TMEM48	55706	4840	42.05963293	35.77293307	37.14944874	12.04535383
HTT	3064	13481	15.08524866	14.94256709	16.44074732	12.19288159
DCAF12	25853	3688	55.14214675	71.41763378	47.43594968	60.43226088
GAK	2580	4549	44.57047235	55.10810515	48.72229384	78.05236879
SEC16A	9919	9059	22.35861492	23.78620225	21.69056497	20.80376106
HEATR1	55127	8497	23.81338194	15.99716814	21.68298363	5.241185107
TOMM70A	9868	4376	46.23910109	34.93218047	43.93718758	18.6885879
ZMIZ1	57178	7555	26.75551558	40.02434854	34.51031046	54.552636
SMARCE1	6605	2425	83.35584338	72.31724655	80.94166734	42.57266809
CPD	1362	9060	22.31102872	36.62228119	29.33733221	153.5867554
PSMD7	5713	1686	119.7707794	113.531006	138.4754812	93.41023451
GBF1	8729	6450	31.30752466	34.02948751	30.69361572	33.76952815
EIF2A	83939	3894	51.85761018	44.00573564	47.69370961	21.20980382
MLL3	58508	16872	11.95644546	13.20724779	11.44584352	20.63641799
TIAL1	7073	3945	51.1353987	44.84896114	50.61193903	30.32584487
BRIX1	55299	1303	154.818993	96.45252049	149.6667957	44.58717089
RBM6	10180	3758	53.62553531	47.91080609	55.77288006	37.38308432
AMD1	262	3421	58.90814431	53.672649	62.19343896	42.72249022
SPTLC2	9517	8164	24.6845617	25.11098358	22.98148801	44.21002727
CPNE1	8904	2207	91.21901927	80.36919667	85.10745485	61.17809315
IPO9	55705	11416	17.63493128	16.78662481	18.43374407	8.972407556
S100A11	6282	595	338.3535723	327.6951246	376.0513652	654.576693
KIAA0947	23379	7966	25.24679756	18.74189038	25.62152642	13.59520985
LARP4B	23185	5640	35.586386	40.89216821	34.95189403	45.33114431
CLNS1A	1207	1378	145.50278	119.9868302	149.4939349	55.23458089
KIAA0020	9933	2232	89.73944654	58.80306958	84.15419035	26.39193509
RREB1	6239	8733	22.93581183	20.00467478	23.70995833	20.7690669
GPX1	2876	1200	166.4044051	105.8455253	167.7953146	121.4573178
PDS5B	23047	7498	26.55003036	24.28038189	25.16368257	15.41569495
PHB	5245	1826	109.0208804	64.92168033	101.7082723	30.153697
ZDHHC3	51304	12714	15.65771022	16.66775863	17.15006086	10.61979327
BCAP31	10134	1821	109.2079855	127.6301429	110.1094116	107.4951732
PRPF4B	8899	7482	26.49753849	31.18228026	30.66763577	30.84321088
HDC	3067	2646	74.69441591	1.684298449	101.6498493	9.868980847
ATAD2	29028	5580	35.41961013	30.31003723	35.66850272	16.68768404
XRN2	22803	3449	57.30397927	54.98133219	60.52459966	45.31025868
BNIP2	663	2533	77.94592907	82.16570373	76.65641362	71.84506427
PSME4	23198	7101	27.77533476	22.87635927	27.84995587	14.73816676
ADIPOR2	79602	3982	49.53105278	93.5651052	47.91314403	86.06531014
CSNK2B	1460	1128	174.851642	175.4214752	174.3848518	141.2336127
SMC2	10592	6054	32.54513809	24.69784134	29.87442282	9.696790594
AP3M1	26985	5270	37.38676774	33.31919461	37.56619002	23.8535719
DICER1	23405	10323	19.06653878	19.10364487	19.3212065	11.90296617
SLC38A10	124565	4303	45.74108292	45.20867622	46.20473169	55.08812422
MRC2	9902	5983	32.86302752	4.804515516	26.98003638	2.808222568
RTF1	23168	5038	39.02729132	36.53429885	39.50580492	27.36285345
GTSF1	121355	822	239.1964643	195.9951716	207.4292	160.3177491
BIRC6	57448	15718	12.48318624	12.83010432	12.78354804	15.76364221
SORL1	6653	10973	17.88122859	17.22064309	15.57726893	7.379162051
PSMA6	5687	1035	189.5755762	161.9035545	164.536732	183.8484359
PRCP	5547	2224	88.13234494	154.3998054	90.91704884	75.81980344
ZNF664	144348	4341	45.15234627	29.25930207	47.1630808	18.88589945
STRAP	11171	1924	101.8743946	66.13173752	104.9834885	30.19598943
PROSER1	80209	5228	37.49164789	44.19997974	35.92810881	31.63434985
PRELID1	27166	1287	152.1382665	107.0012426	135.2747812	78.48640452
SORD	6652	2898	67.49398303	38.36905096	65.8351068	14.10994835
LARP4	113251	6537	29.92160973	22.63437397	30.57601105	22.29597389

RFWD3	55159	4952	39.45742663	29.2490398	36.7785671	16.51479415
PUM1	9698	5416	36.03928923	30.77526739	32.96447994	39.05800624
CCDC6	8030	5842	33.37631022	37.41849773	29.0417089	42.48164772
RSF1	51773	5138	37.94947534	33.30780496	34.13124794	47.67203662
COPB1	1315	3490	55.81089345	56.12318908	54.66766175	58.69857
MLC1	23209	3960	49.18687327	18.288036	44.23107757	3.118222384
DARS	1615	2322	83.79656847	62.37779719	87.89882837	52.3943784
DDX24	57062	2967	65.57992315	45.21242879	68.93281058	45.3708102
MAPK1IP1	93487	6469	30.01497289	23.18231517	30.14621035	22.90584753
MRPL37	51253	1487	130.5762338	88.26392153	111.1127662	34.57762689
SCARB1	949	2759	70.30173015	40.22133998	87.68432467	20.25022333
UBE2S	27338	1207	160.6979896	95.07774038	109.9310937	106.497372
CMPK1	51727	2956	65.54739083	49.5267503	55.75172999	30.13149516
TALDO1	6888	1319	146.8977159	190.9029066	159.8651947	132.1389318
DNAJB6	10049	2494	77.68969018	49.85590942	76.2455033	55.11194785
JMJD1C	221037	8762	22.09012795	30.18744542	25.07830995	60.39135446
YME1L1	10730	4036	47.95681396	41.68450867	46.01568514	49.45363203
ATM	472	13147	14.72227133	14.15268059	14.59242134	16.18260706
CDK12	51755	8310	23.29166079	20.96933327	21.10305077	18.07487561
WDR26	80232	6884	28.08676859	29.29453511	30.07830711	58.84081272
RAB1B	81876	1955	98.89990536	117.856264	103.3187887	90.91178602
KDM3B	51780	6830	28.27890612	31.15742517	28.46002642	27.91917846
LYST	1130	13493	14.2993065	26.60516232	11.27436657	18.06302164
CERS2	29956	2505	77.02217271	76.23457518	75.40462142	37.98066491
SMG7	9887	6054	31.86992776	39.16319401	35.03962676	54.00109245
ETV6	2120	5989	32.21581944	21.95212623	40.14727975	28.59489365
USP24	23358	10802	17.84263622	17.78205649	17.46688501	10.88790681
HMGCR	3156	4589	41.99959827	34.13627748	32.36722319	36.96565421
DDX54	79039	4404	43.71747736	34.15351094	41.25905876	15.21434006
SERF2	10169	3446	55.8710883	64.59949276	55.91749923	50.51910103
NUP160	23279	5383	35.72866137	25.70668721	34.54032881	14.55321753
PJA2	9867	4878	39.38560844	31.7940854	40.8882359	35.31508044
TARBP1	6894	5130	37.41103544	25.84511646	27.63588204	11.68010593
API5	8539	3844	49.92679807	45.50563411	62.3301039	29.17419097
MGA	23269	12042	15.93743662	12.78669533	15.08926215	9.027096779
ABCF2	10061	3552	54.03114071	31.42994793	50.56082409	14.87441814
KDM5B	10765	6393	30.0201176	24.36415558	33.9747747	33.12069305
INPPL1	3636	4726	40.56585392	64.87891964	47.61283767	61.20838874
SDHA	6389	2405	79.71485473	62.17078231	76.69505059	40.48577259
TTC3	7267	9021	21.22933593	17.61220532	20.18927661	7.090956734
HSPG2	3339	14294	13.38361923	2.743707326	8.499282061	0.750575748
AFF1	4299	9378	20.39938721	25.44826246	21.08792244	38.59488238
NUP155	9631	4355	43.88084205	30.03508288	43.22726116	15.19959545
SKIV2L2	23517	4222	45.21475153	37.26193165	44.48890404	18.93874961
KDM2A	22992	7393	25.82127431	28.99567736	27.15007755	57.47303981
MDC1	9656	7385	25.82157005	22.56991851	23.97516994	10.74503917
PATL1	219988	4142	46.03869985	57.99460023	43.05271332	128.1430417
DDX42	11325	4014	47.45588157	44.4110981	46.5310735	35.45278791
WAC	51322	3806	49.99567064	50.87798293	55.06949114	58.5586385
DDX1	1653	2706	70.31911399	48.00866785	74.72265951	23.48952807
LMNA	4000	3243	58.6121296	24.18658804	74.33731505	23.71969409
CAPZB	832	2148	88.49121801	125.2137107	103.4783841	129.2981378
GRSF1	2926	6646	28.60053209	20.48612254	28.54855788	15.35121079
SLC2A1	6513	3687	51.4984405	40.00955717	54.55467665	48.09538485
SSR2	6746	1152	164.8218317	244.8838358	187.4418629	243.7229452
ZNF317	57693	4098	46.33351638	40.89072204	42.53536557	35.02246555
ANAPC1	64682	6329	30.00075053	26.86385503	30.11200107	10.68276825
CHCHD3	54927	1622	117.0621147	99.87630198	129.8710894	52.66644893
SSR3	6747	3734	50.79549115	41.17690211	48.71884829	19.0827423
ZWINT	11130	1878	100.9959339	100.2628427	113.4052393	44.19373472
HIP1	3092	7239	26.20118303	21.70148401	20.63521568	33.69619835
ARGLU1	55082	1772	106.9221094	112.2966069	109.2194365	68.31402937

FNBP1	23048	5457	34.71980535	34.46413522	26.32831917	35.35178787
GATAD2A	54815	5689	33.26798938	23.61893284	31.64257632	23.30653986
CITED2	10370	1930	97.95710126	75.27819194	104.547641	94.71153536
EDEM3	80267	6670	28.34440861	28.9315	24.80299373	19.6359032
TPP1	1200	3540	53.40599024	167.7539844	66.96652606	203.1150625
STAU1	6780	3688	51.15196125	44.65112636	46.00370482	62.07891649
EIF3I	8668	1458	129.3885001	113.8616942	127.2345819	52.89807736
CDK16	5127	3280	57.32782762	50.00148048	46.76607828	34.00558033
LPCAT1	79888	3994	47.0282645	41.56493494	50.30841464	28.88944714
GLUD1	2746	3486	53.8814941	46.21572894	55.57892317	25.7246088
PSMD1	5707	3329	56.36122027	43.1073142	63.21406498	30.46466216
CCL5	6352	1237	151.5134326	79.08128424	145.3543508	125.8430037
RCC1	1104	2858	65.4350398	46.46895735	68.16114415	10.4826703
BTK	695	2611	71.62517953	86.11190307	73.0716735	125.6749088
CTNNB1	1499	3720	50.27240424	71.94141247	41.23460665	96.1537099
DUT	1854	2146	87.14508097	77.46187457	90.67719721	24.90271194
GPBP1L1	60313	3754	49.76264187	42.50085303	47.61505277	55.2715995
RAB5B	5869	3336	55.93662213	50.43125809	45.41102335	50.48585551
ABCA2	20	8171	22.83742154	18.18986669	16.39389777	6.044871198
PPP1CB	5500	4991	37.34726212	45.13801729	39.36983131	64.24510497
EIF2AK2	5610	2930	63.5480543	37.56974275	45.28560755	172.9972262
GOT2	2806	2473	75.29146748	56.67681306	67.66580307	20.05461845
MYL6	4637	827	224.8989274	281.8415819	255.9943542	378.422034
COX4I1	1327	839	221.6822562	233.7220055	210.7811028	170.0981506
ARF6	382	3939	47.21792661	33.26367571	41.78492742	33.24993002
MFSD10	10227	1969	94.35603187	142.2552995	83.69838185	59.62861377
ABCF1	23	3474	53.47928231	40.41007236	56.68318871	28.14425469
EIF3D	8664	1949	95.32428258	100.1546597	96.04838305	48.60785421
BASP1	10409	1820	102.0807839	135.0464018	81.37946028	159.829822
KIAA1731	85459	8044	23.0709399	24.23901034	22.45754239	24.05793051
CDC27	996	5611	33.07478891	27.48177114	31.21637269	22.18744443
MMS19	64210	3703	50.0616404	35.9854025	45.30383487	16.12652297
PFKP	5214	2781	66.65884733	68.18792331	58.6522243	60.56124199
ZMYND8	23613	4652	39.84915185	56.42667726	33.06433927	60.04983467
ZNF292	23036	10100	18.33404636	15.2673483	16.71450736	19.44118783
UBXN4	23190	4018	46.03521207	46.64068887	49.79757815	55.31779281
VPS26A	9559	2707	68.33006357	57.29277746	66.49967369	67.3018015
SEPT15	9403	1851	99.81906856	82.10258833	94.51311853	70.21033496
MTA1	9112	2856	64.69366103	49.15426869	62.80839019	19.49157469
WDR82	80335	4292	43.04871759	48.75113956	46.96310865	38.81615895
PRKAR1A	5573	3657	50.52367949	79.21315017	49.62909762	73.73126756
RANBP1	5902	884	208.7790834	162.8392696	230.4055542	61.59882821
BRCA2	675	11386	16.20944228	11.46846595	15.04935372	10.80948083
TCEA1	6917	2784	66.21994381	46.98375932	67.31666068	31.19324074
KIF2A	3796	3374	54.57970878	32.29554915	50.84861477	15.35915498
SERP1	27230	3181	57.8912095	39.08853759	68.54632937	29.65477841
XPO7	23039	4880	37.73605275	35.4797123	34.55025401	19.57918511
XPO4	64328	9902	18.57680784	15.07754987	17.00605482	7.97285968
MAPKAPK3	7867	2500	73.5790205	105.8009587	80.45723713	63.15780524
PRPF19	27339	2342	78.45566399	69.74225359	83.35914581	34.74654266
KIAA0368	23392	7391	24.83273967	17.81817301	22.86940997	11.1471448
CAT	847	2300	79.79946909	56.28947384	93.97578734	40.66179769
PTP4A1	7803	5099	35.95497014	26.70146507	33.85362817	40.97010915
GTPBP4	23560	2537	72.1836841	47.16639799	71.53867166	22.26158958
ATIC	471	2094	87.25942418	63.42324742	83.04076342	29.00126976
AHSA1	10598	1429	127.4374218	83.42581269	130.5559442	44.62217763
PPP3CA	5530	4676	38.94526855	20.15787546	48.57380634	16.45059194
KIF14	9928	7293	24.97025582	21.20470084	20.5693378	8.854354488
CPXM1	56265	2409	75.59488407	65.95255468	55.07963061	31.93149353
CIT	11113	8708	20.91273263	19.14088748	13.99992045	7.787513676
RPL36AL	6166	549	331.3364109	375.446691	321.7378151	301.6153186
KDM5C	8242	6863	26.50498172	27.24123889	26.81466227	31.53088365



SREK1	140890	4222	43.08472041	39.74254183	42.98759119	31.06913861
ZMYM3	9203	6136	29.61201163	27.9993481	26.78936511	24.5778199
COPG	22820	3114	58.28353154	66.04835196	60.59001024	55.84020336
PTPRA	5786	3637	49.84617296	36.08700888	54.02662306	41.46535686
ADNP	23394	4713	38.42269147	33.19086456	33.57782437	22.16280358
EIF3F	8665	1274	141.9794024	151.2953472	132.840733	50.3688772
HLA-E	3133	2679	67.51838698	150.8009173	97.95284569	533.1609022
MTMR2	8898	4870	37.1000765	27.91128084	28.6774594	14.79767458
USP1	7398	3949	45.7009335	40.23289547	43.76574697	20.40179475
OGDH	4967	4319	41.73850433	39.36590379	40.70130156	28.96527838
RALY	22913	1589	113.447829	114.2911504	91.34841476	84.71692503
TUBA1C	84790	1581	113.8926085	122.0576249	109.9856791	70.16509608
GLG1	2734	9448	19.05844772	18.91530622	16.79454443	22.00406882
PDAP1	11333	2707	66.51799558	57.04582583	77.42685012	35.96907391
IFI6	2537	860	209.3769931	120.2260067	112.7670994	2853.305438
NAT10	55226	4058	44.32228385	41.12904901	43.94389812	20.35263087
OSBPL8	114882	7259	24.74933761	16.02406136	28.37892855	19.01866435
PPP3R1	5534	3111	57.74845442	53.57725753	57.45641534	54.46253883
SMU1	55234	7091	25.33569901	19.13765407	23.83694953	14.73040379
RPL36A	6173	2361	76.09294439	75.69327114	67.02765195	37.46777345
MGEA5	10724	5220	34.37759685	37.52297507	32.42128235	49.52139042
UCHL5	51377	5108	35.09136049	25.73830932	34.91079456	13.75153004
SMS	6611	1844	97.20535216	92.32330322	101.9758338	91.5540519
CSNK1A1	1452	3149	56.92177497	59.86549739	56.36049525	89.28983507
IRAK3	11213	8351	21.46409644	20.83969905	20.6199354	9.186988272
LSM12	124801	2507	71.41694583	54.93043445	67.42234108	39.72676529
PPRC1	23082	5354	33.40267035	22.97415801	31.53091601	8.507003019
UCP2	7351	1646	108.5258268	146.0731876	96.27191435	62.47500752
CNOT7	29883	2646	67.51077508	45.72870288	66.19617051	34.04415874
C6orf62	81688	2498	71.51061284	75.2885452	81.62121486	179.9817873
IK	3550	1955	91.26809448	91.18473033	96.18590159	82.62825199
UPF1	5976	5360	33.2890158	31.72039897	33.62423534	31.57285997
STAT6	6778	4050	44.00610828	75.59805156	37.82258074	96.01625821
FAM168B	130074	5420	32.88279309	29.31359856	31.06899535	12.32500457
DOT1L	84444	7455	23.85190693	24.09163567	22.44634889	22.32012412
TMEM194	23306	5632	31.57243718	17.25054165	30.01203997	16.13823854
TXNIP	10628	2953	60.21536275	124.8859103	65.03821472	378.2602322
BRCA1	672	7287	24.40180681	26.05371859	26.03728773	13.50081342
HINT1	3094	971	182.9161483	140.2170653	175.1639886	58.16442097
TTC37	9652	5704	31.13807504	24.7288025	28.04042152	17.14115372
LAT2	7462	2199	80.67630462	62.3201915	70.04392498	44.00227217
TMED5	50999	6154	28.8279483	20.60315203	27.56933106	24.90065799
PPP2R1A	5518	2519	70.42762758	64.48790281	68.44317796	42.75194724
EXOSC10	5394	2834	62.52745508	41.20124446	62.40132155	24.57146396
SLC30A9	10463	3272	54.0948721	52.43923204	57.53506185	36.06846794
AP3D1	8943	4863	36.35493221	33.12935042	32.45521627	33.05130931
MLLT1	4298	4530	39.02738087	30.79321427	38.29244792	16.71266992
PPP2R5C	5527	4494	39.34001677	34.46121849	39.0223302	38.42274591
BTAF1	9044	7054	25.03397352	20.72274471	25.01031695	20.94883328
RNF40	9810	6022	29.32408655	28.08535498	30.20859839	28.23650695
UHMK1	127933	8535	20.69005849	20.8864848	20.59624153	25.99438006
RAD23A	5886	1793	98.48837099	127.6347837	80.83733759	85.01334847
MYO9B	4650	7652	23.05087076	34.6829231	23.49756037	57.61762461
MED13	9969	10474	16.84029626	15.04131259	13.77768684	29.24144259
GBE1	2632	3118	56.57000097	82.8297247	66.13660266	31.94195015
CDC20	991	1697	103.8190199	79.57372242	87.52692236	20.99439003
BST2	684	983	179.2277486	126.9443575	117.3565409	442.3369254
VPS13A	23230	11262	15.64383563	12.46533399	12.21331732	7.78296019
NUP62	23636	3602	48.91195915	47.14006268	50.0349532	45.97079675
SRSF4	6429	2535	69.418734	61.97122002	68.26123059	64.28214386
KIAA1033	23325	5823	30.22093263	26.21335893	33.7083193	86.59630734
PPT1	5538	2504	70.19652736	57.84394772	82.35380475	41.14867861

RBM33	155435	10325	17.02393264	16.05690242	15.90007357	16.48839455
DLGAP5	9787	3084	56.92857275	42.55786359	45.21658317	15.1624732
BCCIP	56647	2373	73.89942359	53.52491795	78.26350832	31.56286527
FRYL	285527	11706	14.98063661	14.46718268	13.97013543	14.71612527
NOTCH2	4853	11474	15.2835395	54.94105501	12.59532654	45.37624503
SRSF5	6430	1651	105.968843	119.5819253	120.8072772	96.61656209
ZDHC20	253832	5356	32.66515307	35.86291528	35.97679282	25.36030005
CDCA7	83879	2839	61.62541735	27.31446787	61.91931013	6.773773153
AARS	16	3344	52.31894732	53.24261815	47.1978818	34.32331498
ERAP2	64167	5691	30.70640901	100.7856845	23.53796147	115.460216
RACGAP1	29127	3326	52.54064151	38.45639238	42.49834797	15.64167702
TAPBP	6892	3779	46.24243813	117.1065657	45.84638908	154.1651939
SMEK2	57223	4470	39.09399859	44.3671341	38.19196581	34.46272141
CCNB2	9133	1566	111.5901492	98.75216042	95.5233787	35.28932285
RRP1B	23076	5087	34.3121265	22.90967056	37.21469357	9.470821581
PPP1R12A	4659	5726	30.41163381	37.3982204	30.44183167	47.16033936
DAP	1611	2385	73.01342355	67.64396803	62.36665493	64.59050931
CHD2	1106	9374	18.55479294	31.2831036	21.48009148	44.63627691
ATP13A1	57130	3887	44.58952161	59.79276825	47.39910263	74.31592165
CHD1	1105	6457	26.84210477	29.95489707	27.68265574	34.64207737
GIT2	9815	5643	30.7140653	46.12237742	34.44656751	58.07767661
RPAP3	79657	3687	47.00826431	47.08073269	50.6006087	50.51113478
GAS7	8522	8211	21.10820491	25.15721578	28.58815855	17.9230037
P2RY8	286530	4240	40.82902932	21.2321709	42.70543408	13.55891441
TXNDC12	51060	1616	107.125671	85.35484644	102.1122516	67.39277739
PSMC1	5700	1586	109.0231388	83.45688193	118.2981514	90.11020003
SPG20	23111	5031	34.32842616	29.98563458	21.71222851	25.50981895
NIPA2	81614	3477	49.61228813	41.84922149	53.5351955	29.51723713
DAZAP1	26528	2274	75.85836668	74.27756158	77.21092203	42.72904759
FAM122B	159090	4277	40.33245869	41.10708166	41.69378971	27.0725531
SAP18	10284	2318	74.3302587	60.37054617	71.00553456	58.94714517
RUNX1	861	7274	23.68676652	24.01716041	28.17517439	38.7102761
SREBF2	6721	4325	39.79032451	57.39551695	32.14459491	52.42088474
CERS6	253782	6259	27.49531131	37.0616432	26.02660984	29.39891938
ZC3H15	55854	2149	80.08057398	67.29567817	84.35659621	46.90999244
OSBPL9	114883	3925	43.79331652	34.915185	53.56135989	34.91575547
SLC25A36	55186	4677	36.66452747	33.06518777	35.10118871	24.4974848
PLEKHB2	55041	4326	39.63938858	35.90253843	42.34486549	45.24935517
AQR	9716	5106	33.54398919	33.03649478	36.66241648	29.33751637
TRIM25	7706	5744	29.81817702	34.52665206	27.21983346	92.12204871
CEBPZ	10153	3341	51.26477367	36.88311124	48.12562209	25.87163259
FAM208A	23272	8296	20.64556519	19.44682543	16.91093076	17.00734299
MAN2A2	4122	6279	27.24497892	26.86484191	26.51574963	32.56141927
LETM1	3954	5462	31.32025314	21.90793697	30.94613861	8.931775169
EPB41	2035	5999	28.51662321	23.58705698	31.6979972	25.94895743
EBF3	253738	4361	39.22752182	3.014704976	26.93747473	0.881941847
FNBP4	23360	4127	41.45171375	38.60561415	41.31495091	28.74323084
IMPAD1	54928	7239	23.60365195	22.99433838	23.40798157	17.56117225
ATP5C1	509	1162	146.6936869	135.7706892	146.9174588	98.42711495
USP48	84196	4465	38.17649813	24.80354856	37.28832966	15.95855762
PIKFYVE	200576	9901	17.19560428	16.3394131	15.02317665	18.19631229
GNB4	59345	6428	26.4862598	18.51161382	22.97573867	23.14642412
TP53BP1	7158	6236	27.30174438	20.54663145	25.47885512	18.63280426
HCLS1	3059	2050	83.05057462	139.8954465	90.80091452	168.1640749
RBPJ	3516	2499	68.0469355	57.5138382	70.09006289	82.05699807
DDX18	8886	3790	44.81395927	34.98296766	53.07205615	23.98167796
COX6A1	1337	548	309.5629917	330.5893662	296.1071108	274.0916356
MAR7	64844	3484	48.63264446	46.2422592	46.27160532	50.7234206
MYADM	91663	3243	52.24672627	132.545251	66.38889048	143.2544682
ANKRD13	338692	2233	75.78672062	61.77045762	56.86616282	51.58173893
MIA3	375056	8123	20.83365101	12.37197351	18.41556211	18.54081916
IDH2	3418	1740	96.90723485	123.966689	92.40672609	79.80816091

NRAS	4893	4454	37.8577882	29.31745695	38.28172484	25.81490664
ADPGK	83440	2786	60.30345662	59.66733052	68.17839213	81.23311873
RCOR1	23186	5537	30.30540798	38.83574874	29.72563285	40.72706399
ETNK1	55500	7101	23.6306216	22.1232281	22.55370358	31.15825197
CBL	867	11242	14.92626258	29.53395306	15.76836104	31.94349785
POLR1D	51082	2210	75.92807419	84.39409825	83.74907283	56.97319129
QSER1	79832	9271	18.07751675	15.40672537	15.38315326	17.77338954
ATP6VOC	527	1180	142.0310659	159.0043395	155.2405831	226.6173966
DDX23	9416	3288	50.91005828	53.53948326	53.91359939	40.94136066
XK	7504	5089	32.89295964	35.51135927	36.99247836	25.05996928
HMMR	3161	3144	53.17680835	40.3281799	33.80287372	15.64574227
SNRPA	6626	1646	101.1997126	89.48505748	93.83302585	41.69099911
CASC4	113201	3985	41.80043336	35.56376098	34.56905004	42.06050151
PCF11	51585	5932	28.08070245	24.45449726	26.28593289	22.01055573
STK4	6789	6344	26.22483304	37.44319703	31.07324753	53.670452
PTPN6	5777	2464	67.43748158	129.5034109	67.91295901	167.1023974
CAB39	51719	3968	41.82499205	46.10525055	46.85750756	49.68893965
PBRM1	55193	7592	21.86005907	18.52047209	21.03942039	10.77203117
ADAM15	8751	2970	55.81049909	50.34368063	49.15749835	15.40367779
ARRB2	409	1936	85.51280791	95.18730903	100.2947808	158.6180708
NAMPT	10135	4593	36.04458875	49.87415631	39.60726748	163.2917347
SCCPDH	51097	2482	66.7013683	43.72260978	68.27170774	36.04897559
KIAA0528	9847	4430	37.3246975	27.36365248	31.23962047	28.37659682
KIF2C	11004	2896	57.09544542	44.08947802	47.13050961	24.67451265
CKS2	1164	627	263.7135725	153.5306536	233.1882853	70.05911206
APEH	327	2775	59.51135992	51.31174254	56.11418707	26.04219967
KIAA1430	57587	4892	33.75797706	22.31970882	31.09669423	10.26213369
KIF23	9493	3697	44.61445432	35.50133928	31.6041312	11.00573477
VDAC3	7419	1461	112.8950292	89.98718959	124.0809892	54.86778216
NARS	4677	2868	57.5103339	41.64516005	61.88256609	28.79741147
ETFA	2108	1369	120.3325431	114.4275949	115.2883249	72.60231681
ARF4	378	1758	93.70605884	90.75551893	82.92746606	101.2144315
ANKLE2	23141	4491	36.68119605	27.48815572	36.83722292	25.06133329
PDCD4	27250	3728	44.13381579	43.75362801	40.01261843	46.91484377
SNX1	6642	8221	20.01348562	17.88949908	20.22638453	19.87107315
R3HDM1	23518	4666	35.21784807	24.59469195	34.86696662	14.70711199
NT5C2	22978	5361	30.65220651	54.40924908	34.36678081	80.50332696
ATG13	9776	5966	27.54382821	15.42572893	25.03827125	20.05287596
ADK	132	2288	71.8210136	48.40377811	67.411659	19.46431375
LSM14A	26065	3772	43.56481419	33.20041591	47.72391747	25.38410715
NFX1	4799	4721	34.76426455	24.92176605	33.52092486	22.25388263
ALKBH5	54890	3449	47.52615447	35.92199847	47.96635783	33.21969743
MTOR	2475	8733	18.7231117	14.92695758	17.0566537	9.526882248
LOC10050	1.01E+08	2538	64.34379364	44.77725344	66.01608186	17.46726595
ECHS1	1892	1350	120.966332	123.795936	115.6588434	73.02433797
SHISA5	51246	2166	75.39452829	66.15023836	65.74604301	98.87799492
SETD8	387893	2765	58.9874004	51.25554701	58.30389617	27.16134111
KIAA0664	23277	5252	31.05486712	22.23235468	30.01112566	11.56295866
SLC27A2	11001	2408	67.73262546	20.91369882	71.59815834	18.41026619
CUL1	8454	3226	50.55801677	42.5495765	47.87636719	27.73513869
CYTH2	9266	4607	35.40268333	32.16490891	34.39626026	29.04395017
NF1	4763	12444	13.09030665	16.58173144	10.66271538	19.16274514
GIGYF2	26058	7959	20.44118479	21.64212405	19.32595882	20.88127861
MAX	4149	2169	75.00755637	56.4016339	75.59104418	63.46317511
NAE1	8883	1918	84.8234566	51.35143204	83.6106016	21.95266084
ANO6	196527	6196	26.25748705	28.69923861	25.57514058	28.58703278
SEC62	7095	6541	24.87255615	33.55606092	26.61651787	46.05016788
TP53	7157	2719	59.7598395	70.89013325	53.30685778	32.60898932
TACC1	6867	7802	20.82632704	18.73599605	21.09597912	17.07231374
GOLGA4	2803	7886	20.57857183	18.70596466	21.46070173	24.30891874
FLNB	2317	9560	16.97516919	10.48898621	12.53121963	16.13502025
ANKRD52	283373	8656	18.74799185	15.54886109	13.13207043	9.401155604

UQCRB	7381	4442	36.48767025	40.63360528	39.19375132	24.10735446
DCP2	167227	10198	15.89313897	14.31216008	12.18233376	10.36162644
CALCOCO2	10241	3299	49.06754928	38.29831229	42.58998676	48.47493232
ARIH1	25820	5267	30.73359504	26.82284453	28.36117833	27.97953526
POM121	9883	5997	26.95838901	24.9325882	26.0362579	16.81000063
VMA21	203547	4760	33.92123377	21.67469181	32.62485286	12.12021553
SHOC2	8036	3962	40.75342573	33.52051492	43.08886602	44.80820616
ESD	2098	1208	133.4939458	96.1058185	115.2621339	36.36346296
AFF4	27125	9580	16.83305705	20.53875372	14.9972482	32.83658174
B7H6	374383	6382	25.26804867	18.01655677	20.22798326	3.742808811
FAM78A	286336	3957	40.70161749	45.83922299	42.18219901	31.35933611
TNPO2	30000	5092	31.62928131	22.01194824	28.04958733	12.88039112
IVNS1ABP	10625	4205	38.25253609	97.92979819	31.70527572	98.44637925
ZAK	51776	7194	22.35917629	8.765867359	18.73779229	4.051953887
RANGAP1	5905	3040	52.9118139	30.27299303	43.36897733	17.71252551
C11orf58	10944	3980	40.36370052	34.04077194	44.75202357	38.60389623
ZFP91	80829	5735	28.01177473	30.7342029	27.44675627	21.07236812
LOC28366	283663	2534	63.39681455	52.23465459	44.60826651	8.787361849
PGM2	55276	3238	49.55007471	60.4910222	54.35460352	54.07688896
RBM27	54439	6555	24.47645186	21.04247626	23.7876665	17.47898344
CCDC47	57003	3445	46.57275527	37.77482958	53.60315862	33.4345495
SRSF7	6432	2489	64.37876888	59.26686914	64.85398059	33.99568691
SCAF4	57466	4269	37.53543119	32.20608257	36.37720768	23.28240143
RXRA	6256	5547	28.88746273	11.85066558	35.04272227	17.62630986
MRPS27	23107	2797	57.21643532	53.53720563	59.37426615	12.52062685
HERC1	8925	15216	10.51750589	12.97514187	10.94192902	14.35467555
RUVBL1	8607	1785	89.65510901	47.56260666	84.15880411	15.30974594
INTS6	26512	7465	21.4105805	14.35800688	21.17093121	15.34825672
BANF1	8815	1179	135.5640232	115.1018702	129.5664822	63.01220755
NAA25	80018	5825	27.43862376	18.09439655	25.6080758	9.035451394
LYZ	4069	1516	105.1591102	14.40475139	98.11640633	28.4415223
MBTPS1	8720	4354	36.61488541	30.50259075	40.76233338	25.19899948
USO1	8615	3998	39.87524039	29.65157286	38.94869163	30.63268186
TRIM33	51592	8339	19.09303572	16.72781636	18.03990288	15.63307204
CUL3	8452	6784	23.46946122	18.98544985	25.00908953	15.63571996
UBE4A	9354	6144	25.91419676	29.59496594	25.24137611	27.60992629
CASC3	22794	4198	37.92682823	29.45977609	36.89178897	28.98040654
EP300	2033	8761	18.17336205	23.34897895	19.02792794	33.96534968
SUPT6H	6830	5896	26.96954524	37.75608074	30.63915722	42.77923393
BRD7	29117	2330	68.24568186	58.05126165	80.25193726	58.99107208
GOLPH3	64083	2676	59.34531112	62.53637752	68.77018952	63.84527666
RAB11B	9230	1635	97.13030738	130.7012506	96.79038915	136.4382917
ANXA1	301	1399	113.3693112	46.98759257	122.4817309	62.21902149
AP1G1	164	6850	23.15381991	23.90978442	22.05381086	27.39438773
NCBP1	4686	5381	29.47475681	26.46164013	28.4278326	12.67766713
TUBGCP3	10426	3908	40.58435681	42.70769725	35.84488147	21.85900209
TMX2	51075	1818	87.2407406	79.67065186	93.78812014	57.3437098
ELOVL5	60481	3003	52.74701306	121.6935075	59.24134834	74.6216288
MYSM1	114803	7768	20.36494517	15.94940431	18.84916833	15.34894442
UQCRC1	7384	1636	96.69614552	96.84232204	102.1554072	71.14706369
ZMYM4	9202	7011	22.56381316	18.59322787	22.84322481	24.97517707
MGST1	4257	987	160.2785148	118.3022561	98.89925	15.79232264
GAPVD1	26130	6906	22.87728177	26.8457564	24.50609526	24.18242281
STXBP2	6813	1910	82.61053494	147.5829038	107.1910648	187.3791779
KIF22	3835	2097	75.14627352	64.71392704	61.96477265	22.20249808
ACTR1A	10121	2891	54.5076913	51.56522521	55.03197001	41.10195177
GTF2I	2969	4529	34.79393587	34.98212384	36.71475098	26.01315925
DHCR7	1717	2665	59.13010715	101.3407932	45.66604974	41.47323046
IPO4	79711	3606	43.64319173	23.35850106	39.37419846	5.052301072
LMAN2	10960	1853	84.82081124	91.03310434	95.32329223	74.28582127
DCTN1	1639	4518	34.78817247	23.97004975	32.73557613	19.31094288
HMGB3	3149	3556	44.19937099	23.31095577	43.61164647	6.546490225

EZH2	2146	2723	57.64545614	40.75309475	54.1596634	19.17981882
SEPT9	10801	4469	35.12387045	24.03342001	36.87673168	18.39027039
TRIM14	9830	4454	35.2421592	69.54140813	27.89300397	89.98858299
KIAA1967	57805	4012	39.02288253	35.93538062	40.55066457	25.0261007
CAPN1	823	3125	50.09913751	50.27105368	59.4977888	52.21045233
C15orf42	90381	6688	23.37850158	16.49255068	20.28182069	6.507506809
CHD3	1107	7372	21.20936226	25.51150107	16.50841326	15.70663451
DLAT	1737	4352	35.9272561	25.7547887	33.79002617	12.1401501
NOB1	28987	1733	90.10446185	60.04781522	76.32098131	26.16506942
ATP5J2	9551	528	295.7405916	286.9814879	314.9263394	175.9750911
FARSB	10056	2233	69.92880985	34.32800876	62.3540787	10.87839837
ALCAM	214	4760	32.76190047	18.49136775	31.6927142	8.420360266
TBRG4	9238	2299	67.832382	48.269107	61.20732974	27.11965628
NAP1L4	4676	2564	60.82162489	49.88532022	61.06162565	26.60628971
TTLL12	23170	3421	45.58510559	27.68310173	37.11842782	10.35517422
GTF3C1	2975	7124	21.86163111	18.04807118	20.73105674	12.78677545
MARS	4141	2932	53.04838809	44.30813615	55.99190299	35.83239423
CDT1	81620	2742	56.72424285	52.90447767	49.00696872	19.41604338
MTR	4548	10558	14.73175543	12.09349577	13.3678936	5.579352067
GPBP1	65056	4633	33.43939464	29.05049462	31.10213841	49.11073645
SAFB	6294	3121	49.57396002	39.55440799	51.9241948	33.46789275
DDX50	79009	2575	60.08556474	43.87424123	53.7442791	25.94233972
USP14	9097	4156	37.22818316	21.76854427	30.09638564	13.54071797
AGPS	8540	7674	20.13499388	20.03577697	21.39278858	11.73844723
RUNX2	860	5720	27.01327676	10.55728279	19.09689189	20.45522426
CDK4	1019	1474	104.8276411	62.58665637	92.88502399	24.85727557
TPCN1	53373	5472	28.20021142	13.96776514	27.76201451	6.732831334
KAT6A	7994	9285	16.61944608	15.28749813	14.6772936	12.97201653
PSMB1	5689	938	164.5112547	116.1675723	168.2619581	90.42398036
TNKS2	80351	6274	24.56282606	26.56659997	24.78571635	48.75199425
SEC31A	22872	4273	36.01750165	27.84756697	41.09001561	26.38728684
AHCYL1	10768	4024	38.24621882	28.35246883	34.65406126	37.6787322
LGALS3BP	3959	2277	67.50039454	133.8757632	41.29192745	540.7882184
TAF1D	79101	1323	116.1741484	109.647829	112.5893853	88.43830899
KDELR2	11014	2874	53.47891384	47.91600528	44.99174459	27.82164261
RPS6KA3	6197	7723	19.90138526	20.39915941	26.40033597	17.84980651
SNW1	22938	2146	71.52563476	67.18208156	74.03827612	69.14275701
NUP107	57122	3158	48.60481704	38.8087323	48.3051291	17.24299054
SLC6A6	6533	6516	23.55647824	33.24023474	20.03897829	67.01029119
SETD2	29072	8452	18.16067347	19.6415464	19.52359189	22.39363309
PSD4	23550	5039	30.42064418	38.51702092	29.64443864	45.87691238
GNAI3	2773	4730	32.40795476	24.30902015	34.03784105	25.20731507
AP2A1	160	3499	43.80955302	43.36926502	40.27634634	28.46384698
LEO1	123169	2162	70.90176967	48.64802368	78.96303755	33.80056407
PTCD3	55037	6752	22.67257699	19.60346782	22.4677812	11.51254197
CSNK2A1	1457	2849	53.73297293	40.59324794	51.0969465	28.56314598
ZNF146	7705	3880	39.45495873	24.29335713	39.5342105	12.99092445
PPHLN1	51535	3484	43.93950628	39.52657841	41.29877224	31.78202871
SLC39A10	57181	5386	28.38485958	13.28059632	21.61490968	2.706067236
TCF12	6938	4806	31.81041483	25.13011135	28.13613135	22.53421591
FUBP1	8880	2884	52.86826677	61.19399664	59.85424758	51.37930918
PARK7	11315	979	155.7426776	158.190721	157.977983	71.74955612
MCM3AP	8888	6113	24.94226752	21.25166943	25.2656896	19.50443322
MCMBP	79892	4241	35.95191732	19.75597488	42.1971688	16.32413844
RPS6KA1	6195	3199	47.59852929	78.7820464	70.47228521	109.8519869
PLP2	5355	1049	145.1550955	76.04776086	183.8922661	55.76924823
CCND3	896	2104	72.17629413	50.51862672	87.0645856	59.84351367
ZKSCAN1	7586	5494	27.64086692	25.79570213	22.03606994	21.3335114
NOM1	64434	6082	24.96858317	20.33412365	26.22821355	8.054551929
EPT1	85465	8143	18.62391461	13.35408942	16.78757713	12.70307614
PSMB4	5692	925	163.7298925	152.2489262	163.774242	111.3905851
PAFAH1B2	5049	4200	36.05955965	29.97630164	30.18353734	27.56888324



MBNL3	55796	11539	13.12506721	11.5288251	13.22017486	5.490964044
EDC4	23644	4739	31.91512225	28.82389444	29.55935784	17.29978677
COCH	1690	2882	52.47944634	26.44301811	57.47649303	7.375097367
EFHD2	79180	2424	62.31079958	132.1000693	61.4503947	150.9865446
MLF2	8079	1888	80.00072997	76.83478695	80.23896922	86.52547267
EEA1	8411	8019	18.83543811	13.22713031	17.44238833	9.895512443
RPL17	6139	985	153.134002	139.5814888	155.2996622	55.28260318
TNFAIP8	25816	2015	74.857068	43.12890672	87.76443933	41.9926872
SUMF2	25870	2064	73.07993799	88.42052752	71.04245367	52.07835573
CTDSPL2	51496	4875	30.94092144	26.05428314	27.78123734	25.78632285
KEAP1	9817	2606	57.80222788	71.14228461	65.10424535	64.78345039
SSBP1	6742	628	239.8608373	174.575925	255.6949341	97.02402508
NDUFV1	4723	1631	92.23066811	98.36881239	87.31203504	43.68789685
ANKRD27	84079	4461	33.72073967	14.03631123	33.58011563	6.625109615
AK4	205	6998	21.46668098	13.8195749	23.12719737	16.71961743
UHRF1	29128	4086	36.76550013	24.59558023	32.26668896	8.02581395
CD46	4179	3402	44.15750544	75.98057446	58.19336314	89.49236034
HSH2D	84941	2369	63.32606473	95.56690912	51.90702031	127.8318189
SEC23IP	11196	7306	20.50575707	17.96447458	24.52360767	18.45300065
GNL2	29889	2419	61.93264207	45.32190198	59.91787776	30.46056474
POLE3	54107	2422	61.85592947	50.14195425	73.80136586	22.4828093
ATP5G3	518	3305	45.26798034	48.67933385	46.28446815	31.05338382
AUP1	550	1612	92.81059244	96.21063808	103.2831216	66.42981917
VARS	7407	4308	34.68112554	35.53529583	34.38036623	14.98950958
CREB3L2	64764	7455	20.04108502	60.2888699	20.03733418	72.87982135
LYPLA1	10434	2578	57.87505922	50.65164983	55.56674484	46.17074143
TRAM1	23471	3099	48.14517673	53.20948264	57.47436393	61.33614144
HOXD13	3239	2341	63.6469528	31.79244626	37.9969605	11.06830178
TMOD3	29766	4682	31.8234764	28.22293508	30.95714359	33.81020308
HELZ	9931	13847	10.76027418	11.57049905	11.23027258	14.89672935
MCCC2	64087	3696	40.2025823	38.04313422	43.84616125	19.60755761
KIAA0090	23065	4253	34.93739576	22.21515597	34.87465377	12.94630866
ERGIC2	51290	1781	83.42995181	72.94298439	84.22918617	73.65182661
COPS3	8533	1865	79.67224888	66.79006476	93.35047901	30.06584184
GIGYF1	64599	6329	23.44515058	18.7307613	20.39737545	14.32898256
KIAA2026	158358	7204	20.59749556	17.7239212	17.157355	16.74730737
KIAA2013	90231	2832	52.32343638	36.03720678	53.86567715	49.74946632
VAT1	10493	2758	53.65322178	92.51030603	51.78698284	42.49684976
MOK	5891	1954	75.72957301	11.74604224	65.09387223	7.666190306
UGP2	7360	2185	67.72338017	76.18124279	74.26393443	71.24384239
GOLGB1	2804	11185	13.22982438	16.01765566	13.4685771	17.98965488
BNIP3L	665	3505	42.16011398	40.17981648	47.32055283	43.77776837
LRR8C	84230	7207	20.50384342	3.277405936	12.51818969	3.48288872
ATP5O	539	815	181.3143552	184.8280919	185.3602508	113.2608117
UHRF2	115426	3637	40.57377325	34.12642436	33.92639556	21.92932967
OSBP	5007	5083	29.03144075	28.49522823	25.14799934	26.28429068
PHF14	9678	8370	17.63044365	14.82888953	16.30704371	9.166133699
CLSTN1	22883	5209	28.32920202	23.22867111	24.37745087	24.40493875
RNF4	6047	3493	42.24643954	46.88864108	52.14069977	51.75178203
RNF216	54476	5867	25.11716843	18.68649751	22.18363951	19.2181484
PRPF38B	55119	3761	39.18171421	31.99405737	37.58295808	18.78427896
CEP55	55165	2656	55.48284155	48.49295624	51.86659051	27.05656866
MSL1	339287	3834	38.38237898	29.99000139	36.04074959	31.3622182
COX5A	9377	784	187.1801896	271.4352218	184.0656786	268.2698834
C12orf51	283450	15336	9.568940314	8.006051727	8.651984229	9.120914469
CHP	11261	3230	45.43321011	54.98379249	56.77869129	42.80461715
PFKL	5211	3401	43.08876286	50.71228991	43.98400795	32.85525797
DENR	8562	3061	47.8748391	42.22246232	46.86780561	28.0398033
VAPA	9218	6994	20.95294288	16.28074091	24.95299012	15.68722387
NSA2	10412	1104	132.5547974	139.4722692	146.2151791	70.77675824
SRP68	6730	2515	58.18707607	44.92094281	56.62263585	32.27593401
B4GALT5	9334	4743	30.81090241	138.5011079	30.78173521	140.1594742

UBP1	7342	4162	35.06288419	31.37432803	33.75885783	23.83232649
CEP152	22995	5641	25.8698323	19.5931593	18.05340453	8.361270177
ARAP1	116985	5155	28.2691247	63.37007097	29.96103987	103.6687096
AKNA	80709	7387	19.72753998	29.65270463	21.16565905	49.16168677
SGOL2	151246	4542	32.08439846	24.43211735	28.60857073	10.16155455
BBX	56987	8914	16.32521333	16.948683	15.05113568	30.31664035
EEF1D	1936	2498	58.25578529	51.91698259	52.18682857	35.81807743
ELAC2	60528	3814	38.15494275	27.16759266	36.8391102	12.79112637
UBE2A	7319	2678	54.34016118	44.68302902	48.284643	43.69077027
PPP2R2A	5520	3945	36.88794719	24.85332859	30.90273949	38.48457471
EIF2B1	1967	1886	77.15957139	49.62339745	77.52335889	33.80969874
GLYR1	84656	3747	38.83719019	37.6442726	46.68902653	34.95368944
ZNF518A	9849	8296	17.51670269	23.58330487	18.05700287	31.13539406
LMNB2	84823	4653	31.23115527	22.077341	25.38323267	7.830903789
CIZ1	25792	3032	47.92828677	41.45040706	44.8771063	24.10185341
SLC3A2	6520	2350	61.7507146	28.63637055	58.26064909	53.83746355
KDM3A	55818	4907	29.57289165	26.24766492	34.05874185	42.77944383
RB1	5925	4772	30.4095095	32.12675757	32.45426028	44.37145655
TRAF7	84231	3676	39.47610971	42.25091982	34.02627278	23.18350144
TBC1D9B	23061	5189	27.92634287	29.11554447	26.91447818	28.08802878
TRIP13	9319	2408	60.17848552	34.97954935	59.05093206	12.52570622
CERCAM	51148	2714	53.31813079	16.58518877	43.90737119	4.102279831
PPP1R14B	26472	1038	139.4079065	133.5278708	118.2624724	47.58443407
NUTF2	10204	894	161.8628713	127.8670775	149.3646188	54.56974941
TMEM109	79073	2412	59.99394982	50.16506957	54.22274763	20.22610115
CDK13	8621	6985	20.7165937	25.26606819	21.83931248	23.79299878
IGF1R	3480	11242	12.83549499	11.35768799	12.51695882	6.788443456
MED14	9282	6768	21.32042474	19.06325716	20.7601014	17.07843983
MBP	4155	4889	29.51454994	17.27420485	30.42431417	16.47917518
MAP3K1	4214	7522	19.15610854	7.613400688	21.06668054	13.50961037
ARRB1	408	7539	19.11291265	26.74938051	22.33637814	21.58811591
ROD1	9991	7271	19.8173908	23.90448275	23.71178177	37.05581304
NUP50	10762	5225	27.57746382	27.72081246	30.00445798	24.13649409
RICTOR	253260	9535	15.09049421	15.51766153	14.89075612	50.06054104
GFPT1	2673	8642	16.64983364	11.24219516	12.39543786	11.07947838
FKBP8	23770	1787	80.51922904	81.92561493	68.10297848	81.44731531
PRKRIR	5612	3202	44.87304064	35.28300161	49.09302388	23.83375432
EEF2K	29904	7412	19.38525042	14.34041967	15.62116153	4.997906357
KPNA6	23633	7373	19.48779006	16.65276133	20.77600054	13.89244604
CPSF2	53981	5072	28.28846411	27.72228393	26.32728099	22.03090149
PIK3CG	5294	5379	26.63593675	53.39864857	15.7118246	47.94466842
NDUFS1	4719	3473	41.25387383	31.11829891	31.57408326	19.05967123
ZMYM2	7750	10246	13.96352895	8.525318409	14.02241243	8.436182362
CGGBP1	8545	4608	31.04824601	27.37050772	32.7381336	25.25967799
CFLAR	8837	11061	12.93466392	19.42055041	16.02639136	26.53664689
SPAG9	9043	8273	17.2936441	11.98604433	13.45909214	10.98640874
ZNF644	84146	5648	25.29495954	21.30482467	25.47537579	19.96332802
STK24	8428	4624	30.89661148	37.63674887	35.22935792	66.71747127
CDC42EP3	10602	3981	35.83560545	3.190520731	32.90543885	7.067975873
ASXL1	171023	7056	20.21847297	17.62197252	17.45734352	9.352580686
GLO1	2739	2071	68.88534297	44.54501762	53.56084004	27.95492748
TOR1AIP2	163590	8331	17.099647	12.99924196	15.62254387	17.59194536
GFI1	2672	2802	50.84124166	43.34183197	43.65948495	15.17132806
CD320	51293	1283	110.8751153	67.04085449	101.4430343	21.61555279
ARPC5	10092	2000	71.12638648	110.5250116	74.9004479	122.671891
SH3BGRL	6451	2090	67.96573531	140.843051	60.75700554	106.5415068
ATP2A3	489	4857	29.24611628	54.59561352	36.1058991	54.76457194
LMBR1	64327	4909	28.93631835	29.36906641	31.33332782	21.89646083
AURKA	6790	2554	55.61800579	42.66451951	47.81620676	20.68673971
NLN	57486	8672	16.35654989	7.348956162	12.62056116	2.007481805
SENP6	26054	6645	21.34597451	23.84259426	19.52277554	17.91244115
N4BP2L2	10443	2860	49.59580441	58.59097165	48.3886429	76.93712379

SART3	9733	4377	32.40667138	25.14949652	31.13517731	22.66167303
MX2	4600	2961	47.90408667	52.75437758	43.88386634	242.4224073
AKAP11	11215	9926	14.29014715	14.41251094	12.49487759	10.01335601
MYL12A	10627	1243	114.1142402	110.7888972	114.2263553	271.6422714
FLOT2	2319	2659	53.26800092	41.23116995	52.68213493	45.60168819
PAFAH1B1	5048	5614	25.22971401	20.24308322	27.36088734	25.85349033
RAB5C	5878	1791	79.08409517	117.3261986	93.07854646	145.5769824
TBC1D5	9779	7869	17.99969684	21.6347911	13.85473845	12.03923089
ASCC3	10973	7598	18.61479709	16.65819491	18.40885918	9.671186793
GATAD2B	57459	7480	18.90845298	14.80586154	18.89699269	17.48249271
CNOT8	9337	2550	55.46479541	55.6644785	59.49116026	69.85780369
SLC39A8	64116	4098	34.46335825	24.52355803	37.07021557	11.41070457
NPLOC4	55666	4401	32.09062534	28.20218255	34.32597236	32.97920808
RBL2	5934	4903	28.80498514	27.2689396	28.0535141	20.10664007
MPHOSPH	54737	4281	32.99015233	35.86351782	31.38918669	27.23639922
MTMR4	9110	5847	24.11945544	10.63285771	20.66955422	11.14795517
GLRX3	10539	1365	103.3160849	39.83236269	106.4937112	32.77419686
ATP11B	23200	7368	19.14039847	27.49116591	20.56069135	32.55675931
KLHDC5	57542	6477	21.74186657	30.61928199	21.20350392	18.31454588
NUP214	8021	6614	21.29151342	18.96806796	21.72265463	14.293057
DYNLL1	8655	820	171.7342314	152.450166	200.7205233	108.6203655
DNAJC13	23317	7551	18.62239221	21.89668283	16.42486491	39.86382191
RAB14	51552	4379	32.06515128	38.31765508	32.27894619	47.01305175
PRKCD	5580	2850	49.19610922	84.12911185	53.15479786	101.9247082
IPO8	10526	5365	26.13400024	22.88551897	27.17362262	15.50759789
ERBB2IP	55914	6916	20.27312193	18.26867152	23.27920592	32.95761997
C6orf106	64771	4430	31.64986711	27.06184749	27.51948246	38.84075249
HTATSF1	27336	3037	46.09961314	35.80584463	49.67313784	15.53043302
ANXA6	309	3002	46.63708365	40.60275768	42.08803707	51.78726407
RBM10	8241	3443	40.66352748	36.63180353	40.56323766	24.22326214
NCAPH	23397	4495	31.14672416	23.29952432	31.25792354	11.70889975
CCNK	8812	2618	53.39959471	43.40896456	53.02295195	56.4450229
CDCA7L	55536	2976	46.97585314	37.13878079	39.33190786	7.414229188
DCAF16	54876	4548	30.73881683	21.11716955	25.73697401	9.391488585
RAF1	5894	3291	42.47953174	44.01131725	36.65864441	77.07182172
CAMKK2	10645	5620	24.83910192	30.41150697	26.65496367	17.82958846
TSPAN3	10099	3871	36.0091363	34.07826127	36.84247324	22.12022966
RALBP1	10928	4368	31.8651512	25.09928592	29.16774522	15.01532775
TMEM131	23505	6657	20.90836419	24.87076532	23.29623176	49.23123466
SEPHS2	22928	2291	60.75381075	66.13977548	71.75012848	89.24188197
ILK	3611	1931	72.08025916	98.89570731	74.95083456	66.14842699
THOC4	10189	1113	124.8720524	100.5049486	123.3918193	46.37858046
CCNF	899	4287	32.41954613	18.60837442	23.50894126	5.430212092
MRPL42	28977	3244	42.84296987	31.66642037	42.20484752	26.58282849
PRKAA1	5562	5130	27.09212364	27.71291479	25.82369306	25.37266255
CHAMP1	283489	3831	36.27841145	32.34011295	38.82653928	20.02624356
NOL8	55035	4440	31.25635318	25.99714655	34.02446044	17.64413738
POM121C	1E+08	5863	23.67017024	25.54043393	23.42403119	22.58033027
SMAP2	64744	2946	47.03795721	39.63486993	55.08034512	49.26730982
OAS3	4940	6646	20.85071049	29.27067917	9.632753941	412.1069088
TECR	9524	1245	111.3042746	124.571525	116.2490454	57.07030594
CYB5B	80777	4286	32.28404941	28.69893653	32.88075964	21.20638345
RAB11A	8766	4943	27.99300744	25.01965204	28.72412697	21.74584791
CASP2	835	4242	32.61891461	34.03950488	31.57815622	18.46769683
PURB	5814	9074	15.2264767	12.45053683	15.18158083	12.40361999
SKA3	221150	2927	47.2036384	27.55908161	41.65060038	8.852372552
IDH3A	3419	2701	51.07762437	57.99754808	54.13145311	51.03815464
GRPEL1	80273	1519	90.82334656	92.85917672	98.33991197	61.83475471
AIM1	202	7553	18.26567767	5.251452123	13.06368113	4.770599445
PIP4K2B	8396	5732	24.06850374	17.76596946	21.15796459	9.111417767
FAM20B	9917	5950	23.15231551	17.86406565	18.96236346	7.824981257
EBNA1BP2	10969	1514	90.9882941	52.54377044	97.12958646	17.2479018

SNX5	27131	2154	63.85881666	73.24305515	68.27028501	41.91423996
CRTAP	10491	6668	20.62865793	14.63717995	18.06123485	4.918037762
GTF2F1	2962	2551	53.84065266	58.3505423	58.14265091	61.81579155
SQLE	6713	2989	45.9509886	45.99791452	42.76590185	35.28452245
ATXN2	6311	4712	29.14845181	22.03735804	25.78283909	15.25090118
RPS26	6231	699	196.4914234	151.4242135	216.1210363	82.24577551
ZNF592	9640	8191	16.76809973	17.3565197	15.68320534	13.66660496
FDPS	2224	1555	88.32636973	121.3757453	70.79058564	53.24334723
CDC42SE2	56990	3667	37.39926882	39.98470318	35.31975967	40.29808289
DNAJC10	54431	4193	32.70763624	31.03608106	31.54406406	16.84895616
NR2C2	7182	8330	16.46375975	15.56886225	14.35620347	10.47381032
KLHL5	51088	7728	17.74626278	20.47246457	16.13069477	22.97232309
TFAM	7019	1936	70.73281642	53.98167828	69.08225927	29.27690167
PTPN12	5782	3240	42.20195877	42.02184271	40.62666862	77.16038449
DAP3	7818	2161	63.2736448	57.22912542	69.41794566	41.12275374
C7orf42	55069	4238	32.26388542	38.33058688	36.89257277	40.55264385
PARP8	79668	7201	18.95986117	14.91533871	16.02020271	23.33230888
HN1	51155	1696	80.50115581	71.60602192	74.24865435	42.01353759
PSME1	5720	1187	115.021028	226.9626924	105.9093791	200.5529426
SMG5	23381	4577	29.78491896	28.28616776	31.2980267	31.00341554
PDHA1	5160	3504	38.90570037	40.38206473	40.76155784	23.05054689
SH2B3	10019	5425	25.12913808	37.50161128	28.04147985	61.30702707
DNAJC3	5611	5598	24.31603928	38.05431344	29.70366331	44.29713418
MIB1	57534	9308	14.624107	8.809886977	11.80361795	4.023349769
SEC11A	23478	1399	97.29891917	138.892138	107.0771235	77.26734297
SEL1L	6400	6593	20.61531954	21.36057284	22.88143783	19.58889952
HIPK2	28996	15245	8.915500279	27.08487798	7.844353882	40.19364829
GYS1	2997	3635	37.39114216	42.11445789	31.96880846	29.57076375
ATP2C1	27032	5051	26.90888968	23.42588707	27.73347788	15.26933217
GRWD1	83743	2456	55.2574982	49.99218619	54.54175029	22.5012539
RB1CC1	9821	6670	20.34668899	12.36103349	18.91109483	9.681380402
FAM208B	54906	8636	15.71473085	10.7597533	12.20832514	8.883804893
MRPS16	51021	2651	51.11581645	49.42497874	52.12381514	21.83879849
FERMT3	83706	2570	52.72685969	155.2025314	56.56183495	229.6819317
LITAF	9516	2642	51.289943	74.64304542	52.22140392	79.37785845
TIMELESS	8914	5154	26.25216206	23.82243098	27.13824447	12.01847731
ZFC3H1	196441	7158	18.90243689	17.05955731	17.76940854	16.17620978
MED12	9968	6985	19.37060032	20.4170248	17.69528782	16.40296871
MZT1	440145	2412	56.01130061	34.0900749	41.43353736	17.54047776
CENPJ	55835	5187	26.04574071	19.2889677	24.4401112	8.936998191
ZFP36L2	678	3702	36.4383768	56.52077012	45.88680393	19.73982159
LOC10050	1.01E+08	3335	40.38695195	34.20999538	39.3426797	19.84834728
KIF20A	10112	3471	38.8045188	29.53126908	29.03567593	7.290005148
ZNF655	79027	4863	27.6969946	37.75737862	32.58555851	45.53920956
SNRPD3	6634	1385	97.10187623	85.91527339	91.98896108	46.0397775
PSMF1	9491	3695	36.39677905	32.86706717	41.05614578	24.54347242
DNAJC7	7266	2096	64.16321497	54.43241154	67.4377411	63.16244102
TBCA	6902	679	198.0649464	117.1594528	178.3006896	99.27659995
RAPGEF1	2889	6204	21.6443766	37.21061596	22.44304606	67.63943148
CCDC88C	440193	7523	17.84948988	14.06958996	16.65450797	13.10419464
MRE11A	4361	5164	25.96385094	20.45365851	24.99902967	9.721603023
UBE2L3	7332	3016	44.4553469	40.63593389	45.2552904	38.25744426
ZNF22	7570	2204	60.83363259	37.91390961	57.23094489	17.54261017
IDE	3416	5896	22.74038776	20.93780654	28.63238201	14.488633
KLF13	51621	6817	19.66808365	18.69741758	26.59268377	26.33921101
CTCF	10664	3946	33.97803503	31.96231616	33.62565386	23.9569891
ASH1L	55870	11784	11.36056857	11.27022065	9.377285318	12.35118402
MAPK1	5594	5916	22.62896215	21.16835173	22.07132903	19.50379511
PRDX2	7001	1039	128.847873	98.44100317	142.9578318	43.25236533
COASY	80347	2553	52.35744375	34.30209366	45.18663521	22.67710725
ERH	2079	801	166.877096	134.3672743	177.5214037	106.6479153
PLDN	26258	3959	33.76321139	30.39395043	33.67534337	22.39551452

SAR1A	56681	3088	43.22026157	46.25510069	48.92118017	42.80636254
SSFA2	6744	5308	25.14396528	25.10436049	20.41994774	23.41584813
DDX41	51428	2118	63.0142435	47.55447285	60.85160738	25.0407753
DHX30	22907	4133	32.29232222	23.88455827	30.51947799	12.19569003
ZBTB44	29068	9351	14.27271604	9.365120854	13.85066396	6.970601419
USP32	84669	7026	18.99575402	11.22726593	15.30656754	14.78024576
CHERP	10523	4105	32.51258654	25.0245719	32.52910333	16.96358803
FBRS1	57666	4563	29.20442287	16.99447168	23.24456502	5.900293398
TSN	7247	3408	39.04207611	31.25411482	40.66983669	13.83976675
EHMT2	10919	3982	33.41421281	23.55915627	25.99938048	12.86150234
WDR3	10885	3877	34.26644551	20.46129372	32.80717729	6.68323303
YY1	7528	2592	51.25424739	43.75842459	48.3379103	36.54965581
VCL	7414	5647	23.48975085	38.71061869	26.71459529	31.36625732
SLC35F2	54733	3184	41.66037156	17.00638894	38.42144373	5.976228994
POFUT1	23509	5249	25.27083693	18.38189226	23.38663485	11.76239345
OCIAD1	54940	2068	64.14246763	71.97883627	58.13395997	69.89081632
PRTN3	5657	1001	132.514109	1432.941051	161.2602974	191.9130779
RHEB	6009	2092	63.30890865	39.94371739	56.15407616	45.18846989
FOXK1	221937	11191	11.83470976	9.836417323	9.383301438	5.498916481
SMARCD2	6603	2770	47.73929629	62.1839947	42.7146088	39.9011405
CPSF3	51692	2286	57.84682884	51.85782515	63.40391351	30.90449395
CMTM6	54918	3384	39.07737906	75.19944621	43.01867629	100.0180434
MGAT4A	11320	8382	15.75202393	16.61541732	15.37624725	13.16198166
ADD3	120	4454	29.64379537	76.09531062	36.76373823	148.5720595
ENSA	2029	2931	44.97750883	49.18892768	49.81158994	41.02447786
DIS3L	115752	3795	34.68371336	30.59178623	33.57172888	11.84168843
TXLNA	200081	4843	27.17833827	26.36447003	26.78687662	24.49376702
UBE2I	7329	1478	88.91766309	76.89084521	90.91820584	51.6344258
POMP	51371	1477	88.83948536	70.45556112	87.54656327	94.84141717
FOXK2	3607	5262	24.89766889	16.85431557	22.92732777	14.88786962
UBE2E1	7324	1845	71.00896136	81.04104686	76.72671551	94.46680271
RAP2A	5911	4358	30.01540788	6.698274828	24.19254151	3.623095757
IFITM2	10581	738	177.2454574	203.2064998	156.6026619	638.8303819
OSBPL5	114879	3904	33.50592919	13.58457453	32.30968303	5.49627548
EIF4E	1977	4842	27.01510689	17.30381856	31.67962345	11.66411664
DNTTIP2	30836	2725	48.00262295	35.5714561	51.09602119	32.16576061
PCNT	5116	10573	12.35247909	8.577783287	11.09080134	3.924895196
ALAS1	211	2407	54.17464695	440.9439458	73.03237285	437.4044521
ERGIC1	57222	2949	44.21782815	18.43715669	36.61122857	10.29648336
C9orf86	55684	3151	41.38317208	45.96675502	56.99525457	38.54564195
STK38L	23012	5110	25.51827304	44.43571541	34.77308891	102.0463309
CDC123	8872	1566	83.26843883	64.88614575	83.11073627	43.1744829
GOLGA3	2802	9252	14.09407428	11.87381254	14.18156472	10.19583335
RFX7	64864	7203	18.10334239	19.36599481	15.8397572	13.54584367
PDPR	55066	7999	16.27628317	11.72803604	13.89370977	9.287585036
SNRPC	6631	1231	105.7627856	80.00978607	100.7507351	44.23506429
DUSP6	1848	2842	45.73877652	159.7934594	95.97770124	378.0049176
STAT5B	6777	5171	25.13819433	20.98617627	26.10925595	14.56266429
BAG1	573	3885	33.45935724	36.42181591	38.12371112	60.38997482
ANKRD13A	88455	3917	33.13383117	44.20244985	39.96987699	80.25836716
COX7B	1349	456	284.6167033	312.2589595	293.2966095	258.807077
KIAA1143	57456	5157	25.12717288	19.83327561	22.0830883	9.342266702
SLC2A3	6515	3938	32.90523884	43.79697765	50.32633473	107.8455446
SRGAP2	23380	6306	20.5488155	15.90147608	18.36093391	37.91127294
CHD6	84181	10389	12.47288772	8.064788667	10.41272479	13.63944596
RBM12	10137	6724	19.27139062	17.82926597	19.7018955	12.88512096
PAN3	255967	5643	22.92689073	24.71969886	18.98305405	26.00760688
SNRPF	6636	806	160.5166804	115.0104179	173.5366154	46.46320055
GORASP2	26003	3191	40.48011852	38.89620978	40.38975382	29.94247048
CLASP1	23332	8118	15.88663119	12.98347621	13.84620511	12.01905789
QRICH1	54870	3331	38.71740379	34.25107613	38.05789757	32.14796413
ANXA2	302	1665	77.45806128	7.360839436	86.54426862	22.37051699

PKD1P1	339044	6295	20.48731883	14.90271013	18.96360447	6.720831193
VPS26B	112936	3685	34.99801141	35.73788784	34.22985143	16.91942735
EPB41L2	2037	4457	28.89012472	48.14625879	23.74998103	35.42618647
NCOA6	23054	7062	18.23326053	14.79871554	17.53226709	13.61564853
PM20D2	135293	4708	27.3498908	21.29879102	25.08669958	6.621504863
FGFRL1	53834	3215	40.05078876	7.762756047	31.34769243	10.38903962
CD93	22918	6701	19.21553289	62.25082612	21.28297477	95.12736747
GNL3L	54552	8690	14.79388949	21.7191351	16.31439297	8.595655976
DOPEY2	9980	7689	16.71984649	21.93839802	15.60797821	12.76863032
CYFIP1	23191	4446	28.91563196	18.84504936	21.43261974	14.70637039
JAK1	3716	5053	25.44209375	26.45945198	27.42980476	36.17519558
SP100	6672	5455	23.52970001	29.28891567	18.39784815	115.8909879
DGKD	8527	6294	20.39315436	7.222413042	15.57612477	3.762976957
NFE2L2	4780	2884	44.43485692	40.87326291	44.32291284	63.66261397
SLC36A4	120103	2493	51.4039821	51.48480803	51.359232	18.26975297
ASXL2	55252	7174	17.86313456	17.02150979	15.75653015	14.30602642
ACAP2	23527	7187	17.83082334	23.56377354	19.63798812	31.7712199
ROCK1	6093	6650	19.27069584	20.6748521	20.87429898	22.70856117
C14orf166	51637	1064	120.2497568	116.2332143	137.4145252	76.86208706
RET	5979	5629	22.69343667	13.45942669	23.57200749	5.610037772
MDH1	4190	1665	76.72153455	65.17688737	76.2655505	46.32155963
POLR1A	25885	6637	19.24685174	15.17558739	17.66807934	5.459509789
PDK1	5163	4576	27.91550591	18.26098269	28.95007547	12.82875224
NEMF	9147	4121	30.99765956	29.9561532	31.58248313	27.50792605
PPIP5K2	23262	5293	24.13401758	26.56478822	23.27206043	17.43955441
DIDO1	11083	8592	14.86747614	16.15744444	16.25456556	13.0994469
ADIPOR1	51094	2151	59.38696189	56.14844962	61.09675573	70.67600004
TGFB1	7040	2217	57.52682402	93.37463425	66.33026338	268.9007674
UCK2	7371	4940	25.81720017	15.87795648	23.09590509	4.138727765
FLI1	2313	4049	31.49838697	49.75074018	35.58809762	59.79375651
ARL6IP4	51329	1402	90.82209892	110.6216466	96.44953443	86.48708196
TPD52	7163	4250	29.96060769	18.24606454	20.08448084	7.144548104
ACADVL	37	2320	54.88473392	68.38658256	48.17656843	56.62772934
AAK1	22848	21283	5.982830554	4.271753765	4.98355261	8.037043142
TAF9	6880	1482	85.91942152	58.6401802	98.08631297	35.10406058
NOL11	25926	2454	51.80448106	39.77209288	54.58620159	18.64259292
AATF	26574	2172	58.53047722	61.14561699	52.62663715	37.09331835
TMEM167	153339	4608	27.58858431	23.59860029	32.18791286	21.65742826
NOC2L	26155	2817	45.12893025	34.25152733	47.02717266	15.09054356
XBP1	7494	1820	69.85065743	45.17871465	59.67053151	21.68880675
LOC100190	1E+08	2453	51.74227899	42.24101036	51.07699286	35.98001804
CAPNS1	826	1492	85.06957799	86.77331758	94.03021551	43.00934957
DDX56	54606	2499	50.78984008	46.18940804	58.76066793	25.84025902
NPEPPS	9520	4364	29.08428285	35.02823596	34.47175758	30.01179522
HIF1A	3091	4082	31.09353512	49.02100708	29.65854195	57.5746962
GEMIN5	25929	5404	23.44919026	9.319057504	21.15193484	4.420171323
TH1L	51497	2263	55.99621042	47.55995878	60.68718289	28.89285141
SLC29A2	3177	2529	50.02571689	39.47372193	36.42552628	9.605165502
DNAJA2	10294	3066	41.26387411	36.04860132	41.00275049	32.35164476
SDF4	51150	2167	58.38257407	58.61311966	59.37813552	46.33350993
SKP2	6502	1600	78.94415741	58.49357974	64.30979924	18.85118786
MTCH2	23788	2628	48.06341395	39.08899074	52.41920259	17.33123827
C5orf51	285636	5250	24.05917178	20.16105243	19.11624031	20.0500969
ESPL1	9700	6641	19.0198241	17.01192157	15.58944934	7.010787303
RPS21	6227	418	302.1785929	281.4728649	291.6538452	150.6109483
SCAP	22937	4255	29.68522958	24.09001997	28.0057827	20.93271438
CASP8AP2	9994	6821	18.4579797	14.50486908	18.33757202	10.41673228
MKRN1	23608	3158	39.86759959	45.79430412	40.3434804	62.30552717
PTEN	5728	5572	22.59545576	39.83154236	21.00713528	64.63046432
CHORDC1	26973	3400	36.96985098	20.2515587	39.39839374	14.34863411
PSMC3	5702	1618	77.6869551	69.68685938	85.53245902	45.54023864
PPP1R9B	84687	4071	30.87631868	46.30716072	32.02227899	43.3101301



OXSRI	9943	4525	27.77845157	19.35320334	25.3074786	17.98373545
SLC25A23	79085	3475	36.11312437	28.53540855	39.3384865	28.31091436
ARHGAP19	84986	5495	22.83769011	21.33029885	17.30266472	10.57271768
RNH1	6050	2057	61.00783042	38.02346735	48.27605145	16.13919957
CDC5L	988	3012	41.66437821	42.16953197	43.21096049	38.2410435
AES	166	1754	71.54681139	73.68469621	75.52767695	108.2544318
MCM5	4174	2568	48.78844276	53.19175847	39.57475476	25.7765725
TTF2	8458	4860	25.77957222	18.84449248	20.25899152	8.746926177
LRP8	7804	4528	27.66977054	19.19274449	19.64462998	4.247071992
CBFB	865	3181	39.38658315	38.24792388	43.97061051	33.40935336
PNPT1	87178	4579	27.36159009	14.55055094	25.33202315	75.19796809
MAP7D1	55700	3357	37.26074913	26.88329977	38.32958584	36.6627193
AP1B1	162	4194	29.82459104	30.49736792	27.35518012	23.16782409
KDELC2	143888	4311	29.01515538	28.17068271	26.51474273	14.50951488
UBE2M	9040	1540	81.09087576	63.37708826	70.79411485	45.87511245
PLAGL2	5326	5656	22.07919885	34.27589033	22.3388061	35.07430794
PAIP1	10605	2796	44.59068759	39.29059856	45.03781036	34.96893448
NELF	26012	3652	34.13898207	15.925337	26.55523151	11.41849556
POLG	5428	4464	27.92911346	24.35984546	24.94333988	15.10054018
GOPC	57120	4640	26.82568456	17.96108278	26.5472017	13.3498345
CTDSP1	58190	2655	46.881799	47.83978542	45.44015018	44.22174784
BAP1	8314	3599	34.58493369	29.28587382	34.75425916	21.1484447
NARG2	79664	7209	17.26608078	15.57881441	16.26620094	9.94032702
PSMA2	5683	1466	84.76588688	91.35228072	93.53602328	107.8423888
SMARCD1	6602	3431	36.21882547	21.49741144	42.49096046	20.64998602
HPRT1	3251	1435	86.59706632	53.7282989	70.52641163	20.45448441
MRPL12	6182	1032	120.4135564	96.94949171	118.7453116	38.6419438
XAB2	56949	2682	46.33362795	33.15072379	42.22544075	31.92669986
AP3B1	8546	4009	30.94597256	31.29329047	30.83102654	25.95371304
HDAC1	3065	2091	59.33161358	81.09788287	74.77318193	48.21117826
ANTXR2	118429	8058	15.39617821	16.06673987	21.65813017	31.57769679
SATB1	6304	5652	21.95017764	12.30074268	16.22391834	17.97935053
RBM5	10181	3151	39.30752708	39.67284549	39.02498607	40.85838046
M6PR	4074	2583	47.95122642	90.92746795	66.09294897	136.7550778
GRN	2896	2323	53.31813079	165.757589	49.11483906	343.6846472
GAL	51083	778	159.2005371	56.71063185	167.5613082	20.03473322
PAPD7	11044	3871	31.99638797	23.54393388	29.47397859	32.21291128
LOC72908	729082	1894	65.28702833	51.531529	72.73371933	34.84256036
CTR9	9646	4324	28.5970471	26.84917409	28.5850105	22.61173469
CHD7	55636	11589	10.66991386	11.95978341	12.21509967	11.52843641
IGF2BP3	10643	4168	29.61834105	26.78483087	36.14348245	32.29731139
MCTP1	79772	3924	31.46005237	16.80898947	25.84523075	15.47621276
NOC3L	64318	3475	35.52496273	20.96871595	31.73831523	9.378718543
DCTN4	51164	4105	30.07289781	31.64712672	20.27921948	31.36291275
LTA4H	4048	2060	59.9268182	54.41011671	41.12873267	72.12756573
PTK2B	2185	4748	25.95721553	58.85260882	20.73687843	70.00593786
IFITM1	8519	733	168.137598	89.68027558	121.6400673	1190.270668
CD99	4267	1255	98.20307516	45.09920472	93.09997851	21.45262054
USP12	219333	4503	27.36950018	13.26208295	36.17600511	11.77800624
WDR36	134430	6611	18.64239288	11.25792115	17.22621182	5.389121144
EDF1	8721	658	187.3022178	163.9073243	198.4407029	114.1354227
TMEM66	51669	1977	62.23595001	59.8503569	65.83278351	52.73184847
PML	5371	5600	21.97151306	34.41969148	23.5054297	102.87724
BLM	641	4528	27.17324937	20.22619996	28.2304065	9.924736655
TCF25	22980	2286	53.82347907	49.42089727	46.6748926	34.26945318
DEPDC1	55635	5356	22.97245578	15.06076025	15.58205391	3.817273181
SETD3	84193	2905	42.35472398	31.75653407	42.76607218	29.19714065
SPCS1	28972	1100	111.8549756	81.43521751	119.4719287	52.63150437
SLMAP	7871	4420	27.79096991	23.08990263	23.3751693	25.00591837
ARHGAP26	23092	9041	13.58655978	12.74245084	13.71796869	19.18831275
PSMD8	5714	1556	78.94350064	75.1845498	94.91519807	52.9489378
TCEB2	6923	998	122.67266	98.24286702	106.9126297	67.34106463

C9orf5	23731	8006	15.26641625	11.32811675	15.20110199	7.914093693
BTBD1	53339	3308	36.94768092	36.84687985	37.17283286	28.57747249
UBE2J1	51465	4360	28.03278176	52.13058221	31.59579459	77.44296867
IFT57	55081	3223	37.92210006	19.01302771	45.36427393	6.971642503
E2F4	1874	2100	58.20139452	62.49926253	59.56218035	42.12448243
TAF15	8148	2166	56.33358371	57.81716012	67.79451022	25.70080208
SOS1	6654	8331	14.64632605	15.00529782	14.63345424	15.72097879
SP3	6670	6359	19.18832243	12.68523854	20.13501579	18.81356471
OAF	220323	1957	62.34979168	7.059594509	56.57292537	1.86189041
ALG3	10195	1623	75.18086403	57.39005682	76.28642647	25.56864874
CDCA5	113130	2599	46.8696253	36.18137474	47.47606796	16.90152492
CLPX	10845	2351	51.81376272	33.7424227	40.98079591	26.0893005
ICMT	23463	4815	25.25644236	19.85362861	29.44383694	8.870714451
PSMC2	5701	2846	42.73006676	49.40527901	49.88874197	53.20336946
PLOD3	8985	2995	40.60426377	30.80224757	33.08599435	18.51936843
HJURP	55355	3065	39.67692332	28.86283062	29.91764647	7.595210192
ECT2	1894	3916	31.05458886	22.76125483	22.33705087	10.59701657
RPA1	6117	4345	27.94140019	23.48846251	25.18883921	13.65055393
SART1	9092	3601	33.71435263	32.2398858	37.02323922	28.83810239
RPS29	6235	735	165.1773929	175.2344106	172.189894	114.8473957
UBA6	55236	6462	18.78758648	15.58656353	16.34824833	24.46563633
PIK3C2A	5286	8304	14.62010884	12.02180187	12.08577332	19.30679907
PRPF38A	84950	2780	43.59748117	45.28793773	46.89305675	46.01979906
OTUD4	54726	7068	17.14784913	19.48367277	18.533751	16.92635229
SREBF1	6720	5012	24.14138298	59.79847585	22.89058767	37.52123178
TIMM23	1E+08	1182	102.3659996	64.09738817	98.84980798	47.61017251
SPI1	6688	1426	84.85035868	202.5183446	106.0868788	369.0848834
TRIM24	8805	4007	30.19630933	27.08248502	30.53004163	19.3487034
FANCD2	2177	5204	23.21141916	20.29644361	21.0716355	9.841372469
PCID2	55795	1950	61.94473093	32.91067344	60.89335174	15.1562123
TLK1	9874	5751	21.00369072	21.85317931	22.81478644	18.23302921
DBI	1622	789	153.0953426	182.1636016	143.5343879	126.229405
CPSF1	29894	4494	26.83307502	18.79252059	23.60145754	10.18000067
FIP1L1	81608	2458	49.05933244	47.95707495	53.72374933	35.74211819
POLD1	5424	3470	34.75153866	27.99857364	37.8729457	14.75922257
RNF24	11237	3374	35.67974303	31.1728	33.62771691	24.71864005
PSMD11	5717	1598	75.33382539	49.50288053	78.40542146	57.51107871
IPO11	51194	4480	26.87130647	10.99241592	25.37303607	4.066651265
NOP2	4839	2729	44.11266141	38.45884738	47.84682394	18.91511911
C15orf23	90417	2039	59.04043795	42.40268842	50.67103889	16.38095262
NEAT1	283131	3756	32.05097257	65.3784927	38.70178802	108.9752825
FAM136A	84908	1824	65.88764628	53.63133147	68.45904274	28.18910701
PIN1	5300	997	120.5406889	99.01191509	109.1390693	65.98734249
PIK3R1	5295	6453	18.62375125	21.16789644	15.38878628	21.89607103
PPP3CB	5532	3165	37.90669215	40.76465228	36.18209815	34.85741874
SUDS3	64426	4728	25.37535547	18.33373823	22.83555691	12.75884119
SLAIN2	57606	6011	19.95918826	14.75418541	20.70316494	14.17776598
MADD	8567	6031	19.89299961	23.09242712	17.62166058	29.70478258
PPAT	5471	3713	32.3120605	18.30432773	32.94744865	6.160641399
FAM192A	80011	2865	41.8046403	42.46654306	44.54310501	44.37184151
RAB1A	5861	2648	45.23047374	41.31829615	47.15607778	62.76212103
DDX55	57696	2638	45.40193119	31.00060474	45.73297905	17.26553987
USP39	10713	2234	53.61248634	38.2027387	57.50274615	26.91198402
COTL1	23406	1850	64.74069972	356.4118455	112.9516913	490.6437954
PDCD2	5134	3133	38.22862894	30.5834837	35.40520259	13.95615525
MEF2A	4205	5771	20.68298772	17.06672096	21.63737549	51.03690792
CIAO1	9391	4053	29.45016584	24.74086063	26.6907964	17.68068529
GTF3C3	9330	4162	28.67888566	23.77167516	28.58080746	19.11449859
ZNF512	84450	3460	34.4384786	28.2082994	30.28822013	19.65783178
SEH1L	81929	3513	33.91891146	24.16716564	35.60506084	9.56538322
PPP1R15B	84919	5284	22.55055563	26.18832271	20.99252455	30.64782179
TAF7	6879	2310	51.58317574	54.88822408	48.01926395	59.939975

PUS7	54517	3484	34.20124454	18.93182396	28.92733386	5.229218618
EIF4EBP1	1978	877	135.8690262	71.90610009	111.303945	30.4681983
KDM2B	84678	5318	22.40638134	21.87263284	24.11618092	14.80722597
POLDIP2	26073	2723	43.68444723	32.73340944	42.59835989	17.69301116
CCDC86	79080	2022	58.82925312	26.77959564	59.03852135	11.41290325
MANF	7873	969	122.7582557	66.91879387	117.5257857	42.82550764
C12orf75	387882	1383	86.01066508	29.00208478	46.13738101	19.75986732
RAB35	11021	2962	40.15960493	42.42999129	38.73316186	50.98309648
ZNF395	55893	4807	24.74573534	16.64175865	30.10818838	15.24427884
CD97	976	3247	36.57171655	59.22531781	37.02526308	77.24341275
KIAA0101	9768	1508	78.74559923	72.40584584	74.81834388	30.74019205
KCTD20	222658	5032	23.59864142	20.72450248	27.54427732	16.17178118
YTHDC1	91746	6249	19.00277863	17.36590134	17.2435955	17.62222779
RILPL2	196383	1435	82.60904353	109.4752911	90.84508555	123.8554297
RAB6A	5870	3419	34.67211976	37.8665662	32.5053479	45.17497
CCND1	595	4304	27.54274569	42.4541825	31.2705374	37.29695361
HGS	9146	2986	39.63147733	35.14875905	36.08681457	37.28595935
DPP3	10072	2697	43.87823185	40.65023392	48.17950621	23.1175713
KIFC1	3833	2721	43.49121327	30.30065908	34.55410467	13.01912937
WDR75	84128	2777	42.54058521	32.09689373	45.11770381	13.92290703
VPS4A	27183	2211	53.43066718	40.31346626	51.22054821	41.74923632
WHSC1L1	54904	5431	21.7143839	18.66854567	16.61178293	15.31914246
SFSWAP	6433	3245	36.34231709	26.98713254	31.70899192	21.14742205
SYPL1	6856	2183	54.02236324	61.85827162	54.10361044	34.86635477
DDX27	55661	2711	43.50085539	31.31658166	43.41040652	23.07285823
IFNGR2	3460	2234	52.78908637	48.67607438	64.217705	86.08210376
DACH1	1602	5246	22.44118048	49.91010381	33.38830865	25.73771475
LRRC33	375387	2488	47.31769807	30.80966381	41.61154866	14.64517497
NDRG1	10397	3520	33.44500932	56.91096125	49.9400345	117.5467602
CIRH1A	84916	2268	51.90759823	39.59504936	52.35539501	22.04582414
RAB3GAP2	25782	7329	16.03520898	15.5973758	16.37464108	12.40149536
PSMD12	5718	1814	64.78613375	48.27632034	70.2341296	55.34989858
FAF2	23197	4515	26.02924621	21.71569907	24.52119933	19.4582783
PRPF6	24148	3120	37.60181425	36.13889054	31.35411683	22.44884185
CHMP5	51510	2070	56.67519829	51.77899583	56.2405331	145.9052481
PHF17	79960	5771	20.32882697	10.73427246	16.03582143	2.911383751
MAPK14	1432	4353	26.95099023	20.98814628	29.99632036	25.43730486
UBAP1	51271	2898	40.41175786	56.82310353	37.69296812	95.48663066
TXLNG	55787	4418	26.50821057	13.87030066	24.19875266	10.12602506
FNDC3A	22862	6303	18.58056073	24.53528212	14.74937252	47.91747795
PI4K2B	55300	3601	32.4656729	26.60873492	27.22469572	60.14964825
DENND4A	10260	7341	15.92547175	13.78096157	15.68590041	17.84109445
NUDCD3	23386	4932	23.70415412	15.67780649	22.96200975	10.99978412
HOOK3	84376	14460	8.084985347	4.931290395	8.094865684	4.521751226
KIAA1429	25962	6456	18.10856384	16.32587669	17.05070642	11.7581821
MFN2	9927	4685	24.95387153	26.49259454	24.57848345	22.68413085
ABR	29	5603	20.82893128	18.69201532	19.00544703	20.19591904
LRMP	4033	2885	40.45216705	74.99845299	48.70168676	69.88531976
HPS3	84343	4451	26.21983868	25.58245381	26.53520144	48.3900944
KIF4A	24137	4504	25.86592269	24.78667297	21.86027948	7.191078613
USP47	55031	7777	14.98008432	14.26908538	14.31748351	13.71737312
IFNAR1	3454	6099	19.06799961	20.35051736	21.33979554	20.17982434
LOC10050	1.01E+08	3881	29.96540315	24.00001603	25.42385559	6.728503819
PIK3AP1	118788	4817	24.10034118	61.71035944	31.84403918	170.9530028
LRCH4	4034	3201	36.26721132	47.26753919	33.9270126	47.87211786
C14orf43	91748	8100	14.33226462	22.88849305	12.9640156	24.84127034
DLST	1743	2857	40.63400191	33.38200527	40.52644355	26.00328761
ZCRB1	85437	1844	62.95626	52.20375261	67.02905933	43.14237697
PPP2R5D	5528	2975	39.02230032	23.66895072	32.81128059	15.44583257
PIP5K1A	8394	3824	30.30516665	28.43680705	30.33350784	41.81977033
CLCN7	1186	4225	27.42886563	26.8454051	24.5040315	29.8013616
MOB1A	55233	1336	86.74173449	101.2420955	98.68390052	161.3673196

GGA2	23062	5973	19.40180098	25.03276937	20.23353147	23.24898711
SLFN13	146857	8469	13.68366481	17.83924433	13.77130574	13.05067413
CARM1	10498	2968	39.04547078	17.04279631	28.68859799	9.207512297
EXOC5	10640	8522	13.5985634	12.49871196	13.38814493	10.76041715
UBE2G2	7327	3515	32.85296869	24.34359913	32.218672	11.63318074
KANK1	23189	5263	21.94151338	17.02047107	16.53986732	7.730990206
MARK2	2011	4748	24.32143744	30.41187441	24.60835574	47.15381686
CNOT6	57472	6178	18.65875668	15.65383379	20.14352937	13.17196551
FH	2271	1877	61.41385124	49.74261849	63.03647648	20.05954636
PITPNB	23760	2941	39.19544331	24.01834786	37.86027516	17.89578523
LRBA	987	10180	11.32355587	10.90085236	8.800072575	5.070664052
TFG	10342	2090	55.15492764	48.08494776	48.72691626	48.91223722
CLSPN	63967	8484	13.58719929	11.97686283	15.39061557	7.444342909
ZCCHC11	23318	5864	19.65787837	20.86206411	20.14123151	23.99182465
SEC13	6396	1621	70.98668267	58.14819596	67.7779617	38.33785375
HSPB1	3315	914	125.6728954	54.12347485	102.6372364	25.91266626
ZNF217	7764	5653	20.31930416	21.44365478	18.53834099	39.03192298
ATP1B3	483	1853	61.9886813	44.49438389	77.30764609	32.22693717
MECP2	4204	10241	11.21619241	11.94562483	10.9552005	16.54457165
DCUN1D5	84259	12732	9.021758282	5.128022041	9.658162984	3.036750929
POGZ	23126	6636	17.2785775	17.6291681	16.81108409	18.02824864
FAM126A	84668	6165	18.598644	13.87960275	19.91183234	10.08039918
MOB3A	126308	3347	34.25773537	40.07925791	46.58743767	91.02343554
NDUFB9	4715	736	155.7889134	81.74568598	142.3875566	57.48319614
ALMS1	7840	12928	8.869170813	4.464237728	7.550553817	2.019904341
U2AF1	7307	1038	110.2661408	81.36183769	112.9701759	60.26061527
TUBB6	84617	1843	61.99233203	21.15882791	55.14268595	5.052483829
TRPC4AP	26133	3189	35.82686357	43.32275464	38.02993196	63.22331374
HDAC7	51564	4301	26.56402417	20.82742136	29.32736632	23.2033084
JUNB	3726	1832	62.36455673	55.22163694	48.20798594	77.56826517
TMX1	81542	4119	27.73776837	29.48380995	30.93098109	39.11953749
DENND4C	55667	7023	16.23914022	20.17963655	16.54657821	29.86135583
PHACTR4	65979	6225	18.32088061	13.78161986	15.61301048	27.08807114
KPNA4	3840	3816	29.88665665	24.1752441	28.12700702	21.69638494
PSEN1	5663	6107	18.6748783	23.53480951	18.198098	40.10789654
NACC1	112939	4556	25.03237089	26.21560997	25.92365707	26.74762412
ZNF598	90850	3210	35.46513882	23.53279755	29.09279269	9.459292661
FAM107B	83641	3785	30.07743609	70.29385088	41.69873626	55.78158628
RASA3	22821	4220	26.97703687	16.52763752	26.6859663	14.43864639
FGFR1OP2	26127	3030	37.57197875	44.56653695	34.79574123	58.92483734
PRKD2	25865	3617	31.41794565	32.03566383	27.16268013	126.5949925
FAR1	84188	5292	21.47367903	27.11720502	21.55966953	21.26803624
CD47	961	5346	21.21854158	28.84403626	26.874979	51.42132359
PSMD14	10213	1715	66.14246254	54.96106452	69.23733871	36.70867427
ARHGEF7	8874	5525	20.49410626	20.36751236	21.45352962	17.69649607
AGPAT3	56894	6555	17.27382717	25.73369067	17.82463357	27.97872614
PBX2	5089	3231	35.04485828	37.03533015	34.72367944	40.59854633
COPS6	10980	1441	78.43549683	54.43241154	63.78131242	34.41712104
CHD1L	9557	3023	37.38853818	38.03561539	36.06448457	17.81213283
MEF2D	4209	5888	19.19591558	12.48892425	16.3989701	14.23327943
APPL1	26060	6061	18.64800378	23.7134271	19.5911625	23.61280418
PPME1	51400	2484	45.41914845	32.83283519	42.0187891	26.32227163
CHML	1122	7082	15.93069257	7.771769716	12.73914051	1.286260778
MAPKAPK2	9261	3608	31.26972416	87.26790009	32.09092273	105.5906652
UBE2V2	7336	1535	73.49913014	50.22808399	78.87046792	32.04574182
PPP2R2D	55844	2466	45.75067509	33.34357691	53.72082132	24.95473412
USMG5	84833	714	157.7265807	116.7218825	154.172774	92.99253088
SNRPA1	6627	1068	105.4464219	59.46377823	91.79412853	28.05193981
MYL12B	103910	1041	108.1813435	122.2261892	100.8727439	172.6770704
COX7C	1350	448	251.3767379	324.7985338	245.2412409	189.3252089
ATP6AP1	537	2109	53.39818805	61.5986037	56.50289493	75.05897147
RCN1	5954	2529	44.53016156	48.02048762	33.75209316	19.45046014

PSMA7	5688	984	114.4479457	93.29986394	133.9854584	83.93391879
TTK	7272	3019	37.23497596	34.02645501	33.66279239	12.67275757
YTHDF2	51441	3073	36.58066789	40.60732296	41.11561578	35.50574589
WDR5	11091	3163	35.53980159	23.1779808	32.13024667	9.471853214
RABEP1	9135	5421	20.73646789	16.77102663	22.48871192	13.85373698
MDM2	4193	7369	15.25476895	12.09568108	14.79480755	11.94959362
CWC15	51503	1592	70.61079926	59.76730929	71.93237479	56.71059854
EDEM1	9695	6162	18.2096732	41.51443072	21.25877183	87.74545488
ZNF318	24149	8021	13.98927892	8.473253815	12.45950531	10.65016584
EVL	51466	1853	60.55477941	82.97601321	67.72970764	211.2776152
SBF1	6305	8033	13.96838121	8.543815125	16.17579089	6.325114478
PKD1	5310	14138	7.936625142	4.791422844	6.710062092	2.319527217
SLC35E1	79939	5109	21.92280683	19.7143029	20.05737116	15.72993905
RPRD2	23248	7819	14.32454535	15.50338669	14.13248883	20.60792619
DNAJC2	27000	2212	50.63454796	42.51147964	59.2208644	36.51406705
SMAD5	4090	7096	15.78405018	10.83388898	13.78591383	5.705435822
TOMM6	1E+08	881	127.1323724	115.5897127	138.857976	50.54977282
PMPCB	9512	3939	28.3826438	33.82938448	30.19886282	18.70629757
FAM96A	84191	1108	100.9018357	128.9131326	112.3165383	110.349308
MAGT1	84061	4035	27.707369	29.87669949	29.16619878	34.91709755
TUBGCP2	10844	3198	34.95911004	28.84700797	36.07300804	16.39433255
SAFB2	9667	3334	33.53306356	29.00701415	34.66489636	24.5294723
KIAA1797	54914	6117	18.2768079	16.7935046	14.5070459	7.578258888
ATXN10	25814	3340	33.41163106	21.54938837	26.18918898	10.84873248
TCIRG1	10312	2727	40.92220306	165.1429614	46.95216919	253.2030992
E2F3	1871	5050	22.09798965	19.19449859	19.45493347	14.14997795
OXA1L	5018	1737	64.24573849	95.05988451	65.07619305	59.90122945
SLC25A39	51629	1628	68.54720378	64.87880379	58.27202571	40.28682531
POLR1B	84172	5427	20.56289806	10.14182295	16.429366	4.438738657
SDHB	6390	1161	96.11959324	122.0685508	101.9116851	86.13252222
CTPS	1503	3217	34.68910406	23.89719498	35.46589093	9.501634537
EVI2B	2124	2009	55.5474603	87.62459977	90.02476641	373.7225748
PRPS1	5631	2156	51.76013347	32.24665939	48.60725493	17.36982358
NCSTN	23385	2944	37.83643396	39.43472444	47.36682829	64.63421575
PLTP	5360	1745	63.83407541	107.0107678	54.84928189	78.76744868
IBTK	25998	5775	19.25300007	21.60801791	18.0735363	14.65199389
ABCC1	4363	6564	16.93876834	17.68675027	16.06201949	27.69365005
UBQLN4	56893	3545	31.36419617	31.86915971	28.42957156	20.21433497
EYA3	2140	6040	18.40829063	19.95902027	20.42885772	20.51100399
TPD52L2	7165	2426	45.7467804	35.91408893	47.37795143	75.26415267
PRDX4	10549	921	120.5012913	89.27824177	134.8918998	49.23351281
ELMO1	9844	5539	20.03641257	17.09765138	21.05600077	16.51883843
RNF44	22838	4153	26.7232577	26.18404771	30.42337763	20.95940551
SLC29A1	2030	2503	44.33946834	87.77987501	46.42693518	61.54549129
CREBBP	1387	10197	10.88375887	10.77341508	11.08535327	20.50691531
GGCT	79017	1217	91.02489982	67.1976954	85.59029363	22.62146702
SACM1L	22908	3707	29.88327572	34.38367836	30.4359489	24.19098632
NOL6	65083	4895	22.63070543	19.16497656	20.76158738	8.188133782
ZC3H4	23211	6131	18.03505414	21.11658617	15.02530679	16.44259888
PITPNM1	9600	4248	26.02940605	27.11970292	28.3503564	28.82991104
RARS	5917	2154	51.33375901	43.34581936	50.12372937	30.1669754
RRBP1	6238	3792	29.1056252	62.994894	35.827031	113.5459366
MSH2	4436	3145	35.09333251	21.46845898	34.12803141	11.006466
TDG	6996	3251	33.94910204	30.15883768	39.0594099	23.66132511
EBP	10682	1191	92.66879156	119.5550676	100.409047	77.33428434
CHD9	80205	11479	9.614821042	15.19975539	9.626442216	17.22911396
IVD	3712	4673	23.5746083	32.13978804	21.5670514	17.84735535
LANCL1	10314	4620	23.84505294	18.03883638	17.83572661	8.719338469
TNIP1	10318	3268	33.70995856	58.70836645	35.94685658	80.33972927
VHL	7428	4560	24.15880363	28.92915556	27.05927646	26.99051506
LAS1L	81887	2499	44.00150396	29.42568466	41.8511232	12.39360385
PSMC5	5705	1507	72.96599762	62.25120125	70.38151971	41.10367091

LYRM7	90624	6213	17.66543896	9.540237267	16.59535869	3.551383561
TOR1A	1861	2117	51.84476724	57.78703067	56.18957045	92.8476268
C2orf29	55571	2544	43.142835	37.31396372	41.44304085	37.00055868
CDC25B	994	3701	29.65559909	22.63850026	25.17605506	14.22088743
INTS10	55174	2539	43.22779529	28.52328576	38.77853438	9.407879413
KPNA1	3836	7012	15.62335797	13.44241666	17.11490936	11.43209209
MAP4K4	9448	7495	14.6165425	4.667742696	15.30722154	8.561701075
VAMP8	8673	790	138.6721343	225.3712849	159.3996427	211.3972303
CDK5RAP2	55755	6230	17.58442794	16.20276183	15.29525319	17.12359724
DNAJB11	51726	1723	63.58153573	70.22527441	72.83990032	81.18302049
SPG11	80208	7817	14.01445389	21.4366354	13.29820936	31.56719764
DNAJC21	134218	6218	17.61836379	17.55998963	21.20323112	11.06880241
NDUFS5	4725	584	187.2373286	144.6123074	191.0245788	96.01506
NUP133	55746	4170	26.22220621	17.36705577	27.10727754	8.398127888
C19orf50	79036	1592	68.68505019	58.08766593	73.39225693	39.54483441
LTN1	26046	7756	14.09832387	13.04358418	12.99417627	13.70231473
TMED9	54732	1402	77.99329522	77.72124311	95.99742724	61.21957054
SMAD3	4088	6256	17.47867646	19.98227879	17.02166236	35.33444986
TYMS	7298	1603	68.08622192	55.18688449	64.18944403	19.32103308
GPS1	2873	2363	46.18798719	39.13481344	49.17757882	19.8745223
CKS1B	1163	942	115.8622226	107.3949457	119.3243026	62.9635423
MDM4	4194	10090	10.81686955	8.900056685	10.72128819	6.881377601
CEBPD	1052	1269	86.0064726	88.50092444	71.59373316	66.35965878
DYNC112	1781	2602	41.94550874	30.57312392	39.22003833	26.13993004
ATAD1	84896	3034	35.97304342	36.42881069	39.27640257	25.88740897
SNHG1	23642	1134	96.24533839	110.6303364	100.7981093	50.69647009
ZNF445	353274	10264	10.61358414	6.187384563	9.42794434	3.07666273
USP5	8078	3214	33.89478145	23.57284157	30.83153487	10.95912326
RCN2	5955	2213	49.2263116	31.21470053	51.65162942	10.24493116
GXYLT1	283464	7509	14.48041569	15.43121535	13.56229258	10.35193546
DBF4	10926	3923	27.71691088	25.67432412	29.89116558	17.18297511
FBXW2	26190	9186	11.83686495	10.04275326	9.936317974	6.963588144
MKLN1	4289	11266	9.651468258	10.58188233	10.05224854	11.75115182
MTIF2	4528	2965	36.67232425	24.27485908	34.3471349	13.04010551
WARS	7453	2884	37.63143385	105.3123957	53.55380047	384.4323448
GPX4	2879	1031	105.265815	74.34960577	88.94043301	45.15871821
UAP1	6675	2344	46.30079148	24.33667547	32.35973947	10.01781062
B4GALT1	2683	4214	25.75440323	67.42090011	30.3840924	103.5202182
URB1	9875	10808	10.02263777	6.082128238	9.794010496	2.584676451
RPS10	6204	813	133.2406754	111.2792989	123.1844734	53.03486815
NBN	4683	4639	23.35086636	38.90805662	21.72511989	75.01082462
C19orf43	79002	945	114.6292794	131.5773948	125.2057845	109.6757437
AKIRIN1	79647	2726	39.73758953	47.16597913	41.62139283	62.30294058
ANKRD12	23253	11358	9.519306471	8.220364052	9.76620001	11.51338664
ZDHHC6	64429	2187	49.43771509	50.231602	52.26568628	39.61570798
AK3	50808	4333	24.95275396	30.65042236	24.08831574	16.53815312
CUL4B	8450	5365	20.11479902	18.56592919	17.56439955	21.95966416
POLR3A	11128	6652	16.22307527	13.16494965	14.00730303	6.999193999
HS6ST1	9394	3966	27.2102614	7.641262008	34.09537248	7.094708006
NFAT5	10725	14239	7.57889576	10.07825332	7.00375078	17.71376945
EXOC4	60412	4203	25.62729254	31.75750135	24.02905447	21.76965169
HNRNPA0	10949	2983	36.10845141	38.76974971	37.11472174	18.18670307
MAP7D3	79649	4589	23.47167369	11.26545715	22.09995325	4.102393605
UBE2Z	65264	3137	34.33583378	37.64785557	32.86801516	60.72220594
ARHGAP1	392	3372	31.94291535	29.47312497	30.38941556	24.79333345
ATP5J	522	1303	82.66424448	69.77416376	86.91376216	43.34432292
HSD17B4	3295	2899	37.15471216	28.67078007	37.38843828	28.34981661
ARFGEF1	10565	7212	14.90670055	17.73515821	14.56025047	15.43758661
ARHGEF18	23370	5773	18.62240159	32.23026013	20.01953308	30.01543508
CAPG	822	1460	73.49502618	31.89865145	58.46509835	65.30410579
NDUFB11	54539	1141	94.04271536	109.3657348	102.772167	76.46524096
HSP90AB2	391634	4889	21.94778855	26.38988023	22.29963937	26.58198609



ME2	4200	4638	23.13556236	22.48505745	20.40870485	24.48525056
CDC25A	993	3717	28.86810283	16.96573844	27.17086789	7.515518721
ARL5A	26225	3169	33.79563018	27.98592885	38.86999554	19.35498437
EIF4A3	9775	1734	61.76375551	54.744362	70.79379836	32.570734
PGAM5	192111	2851	37.56518837	34.62465077	43.72431049	17.67968673
MEPCE	56257	3047	35.14878637	28.96020452	37.65265029	22.12300997
STAR	6770	2695	39.73964826	29.60077964	36.76903639	4.056088534
PCGF3	10336	5666	18.86586055	18.87746006	19.01786592	25.68767251
KIAA0494	9813	5794	18.44907937	22.5755585	22.09847521	30.95477607
TTC17	55761	4525	23.62297589	27.57708364	20.26465998	21.78626658
SCAMP1	9522	6245	17.08399995	8.278171795	14.14203847	6.612568141
PSMD13	5719	1763	60.51592724	60.92192515	73.58414264	46.27273498
RMND5A	64795	6201	17.20522169	14.98487817	20.27325157	20.69664556
CBX1	10951	2443	43.58788111	35.02568602	42.03208924	21.95810425
C9orf78	51759	1835	58.03007823	48.33101282	67.47295376	43.68492083
ZMIZ2	83637	5159	20.64066555	17.23400683	21.78784513	17.57862582
THUMPD1	55623	4416	24.11349492	16.8537402	29.18562147	16.7315523
BRWD3	254065	12793	8.323707774	11.56577055	8.489046146	17.2633385
PIGT	51604	2245	47.43215748	49.52940298	44.51567578	39.31357873
TMEM30A	55754	4544	23.43424154	25.59829697	25.52714216	29.49117678
PCNXL3	399909	6584	16.14228545	20.98363678	14.69751226	17.61721423
STOM	2040	3108	34.19588397	25.59564622	28.61997572	37.58090538
HOMER3	9454	1991	53.38061647	44.65607293	47.0111247	26.23136446
TEX261	113419	3381	31.43472564	30.25146474	39.43232311	20.35664401
KIAA0930	23313	6287	16.90485245	13.71659758	15.79510702	6.343007158
PANK3	79646	3404	31.22232884	22.78077976	23.02780448	18.25665715
TCF3	6929	4462	23.77329028	11.58610104	22.39751056	4.899667682
RBM14	10432	5415	19.5893668	15.22587135	19.31411946	8.672852485
SSU72	29101	1319	80.42185081	65.54896261	87.62150452	53.86848438
CTDSP2	10106	5038	21.05526423	27.46706972	23.4854042	32.54612525
JARID2	3720	5756	18.42884316	11.45908177	25.10750118	17.54899281
FOXJ3	22887	5367	19.72648315	15.90179211	18.69950841	14.4080167
ANAPC7	51434	3070	34.4860049	24.60595444	31.45183581	10.02253654
CUX1	1523	13882	7.626569302	12.34392267	7.503485618	14.61127508
USP4	7375	4120	25.69709589	28.34085602	23.43619804	35.62158389
AGPAT5	55326	5535	19.12773894	15.33861841	20.61314745	6.071037263
ROCK2	9475	6401	16.50799076	12.18425866	15.61282489	12.36520628
COBRA1	25920	2622	40.30040003	27.11046012	37.06750199	16.75326593
FAM193A	8603	4742	22.28335067	22.27387022	22.99091878	21.25887258
CCDC14	64770	4187	25.23707879	29.1646313	23.71718124	13.73054623
ST3GAL4	6484	1766	59.83445576	37.34907966	41.27590185	20.40336218
BRWD1	54014	13003	8.126405359	7.506015221	7.994470706	6.304982658
PHKB	5257	5603	18.85911991	28.07779322	16.32809239	16.51079607
DNAJC5	80331	5307	19.9109947	25.65494072	22.57366868	42.72099614
TESC	54997	1044	101.0184509	131.6932629	100.3804997	59.52649514
THBS1	7057	5820	18.12083552	21.97696925	87.63598177	162.6387222
COX5B	1329	523	201.6505979	260.7525871	213.3046922	227.2002726
KAT7	11143	3664	28.72785932	23.47527738	23.70033759	17.67937668
ZNF706	51123	2870	36.67556674	18.55645005	30.47801087	15.37612966
PHF20	51230	5899	17.84351187	14.5810165	18.30251111	11.70168542
SMARCA2	6595	5758	18.28045789	30.8436349	22.97052112	20.00382477
PCYOX1	51449	5377	19.57576279	9.490177572	20.59014598	4.668249769
C19orf2	8725	2295	45.86443422	30.68197315	41.3363215	13.93627902
ZNF148	7707	9573	10.99539084	9.5203769	10.72645921	11.58790524
USP8	9101	5866	17.94389303	23.81794977	19.9542717	31.57558977
FEN1	2237	2308	45.60609902	46.05337549	55.65907058	22.71623722
ZNF561	93134	4557	23.05343216	24.93848348	20.21508799	18.87914566
ATG3	64422	1372	76.57032826	61.87992193	77.46081266	66.09922056
REST	5978	7333	14.32626352	10.42296616	14.23355681	14.4375147
PES1	23481	2690	39.05371389	27.75053881	39.11517143	11.88987373
WHSC2	7469	2466	42.60117209	26.56642713	36.15659744	14.85791735
PSMA3	5684	1014	103.6040339	113.3941473	109.6013654	88.83712428

TSC22D4	81628	2399	43.79095055	50.34402465	49.4083998	90.28715438
MT2A	4502	466	225.0002236	76.50907631	238.4888079	1072.525456
ATF6B	1388	2622	39.9885981	54.22092024	45.93146986	59.44707265
PGM1	5236	2573	40.75013766	50.31705784	41.87921815	27.77201268
ATXN7L3B	552889	3701	28.33020919	26.07040057	25.86111778	19.9092424
TRA2A	29896	1852	56.61452711	60.40065213	57.6127454	58.47702035
PDXK	8566	7390	14.18810612	10.70441178	14.58122169	12.98393519
QSOX1	5768	3316	31.61945241	19.89097548	28.03537244	50.42407744
PREPL	9581	6903	15.18906334	10.10381433	13.89588319	4.516014037
TNIK	23043	5816	17.99273006	8.429021775	21.07035103	31.88184981
PNRC1	10957	2133	49.06034601	43.25022573	72.7065236	64.62918691
ABL1	25	5881	17.79386466	14.54986413	16.56219605	11.97844658
RPL7L1	285855	1293	80.93249655	53.42469626	80.39605769	33.34675005
MRPL18	29074	994	105.2773823	64.78737011	112.0191843	41.74840735
ANXA11	311	2731	38.31772905	78.49324157	58.41083663	72.56604058
HMGNA4	10473	1980	52.85137275	53.56987775	45.67165549	52.54971493
ETV5	2119	4102	25.51090152	22.00078921	23.07546882	40.16994014
ZXDC	79364	12600	8.288994593	6.012945461	8.719688564	3.614801124
SH3GLB1	51100	6469	16.14489595	15.29412769	18.38820848	24.00107248
TAF1	6872	7709	13.54797404	15.72460507	13.89562511	10.92364859
TIPRL	261726	3032	34.44634956	29.69142633	31.07948666	18.82748659
LGALS9	3965	1835	56.80487504	155.3149884	44.21435878	403.7545713
USP11	8237	3300	31.58695324	23.63376959	28.2353272	39.68832556
CNP	1267	5222	19.96111561	16.25799557	18.93551672	72.17972861
MCU	90550	2978	35.00233234	40.63067422	32.13969003	34.05535942
PLK4	10733	3870	26.93461129	19.74977025	25.8782886	9.206067152
KDM5A	5927	10835	9.620391851	12.36017015	10.95911729	19.46754732
B3GALNT2	148789	4720	22.08409867	14.16309437	20.81513009	9.263693728
PHRF1	57661	5539	18.81873004	19.95396491	19.45391376	14.47225668
NCBP2	22916	2175	47.83106185	37.08755489	50.41691547	24.3845343
CCP110	9738	5515	18.86356474	14.70736124	17.46978263	10.13061943
CRKL	1399	5336	19.49635673	16.53705831	17.50147386	17.37489116
NUMB	8650	3647	28.52551674	32.50534365	32.84849457	58.66940174
SUPV3L1	6832	2490	41.78014439	23.9835982	39.71135274	13.33266407
CSTF3	1479	2846	36.55395627	30.92723488	30.80926773	19.5600623
MFSD1	64747	2379	43.64362058	63.88057629	58.88263841	43.90638642
OTUB1	55611	2518	41.2343818	48.05327554	44.05262101	49.36112862
RECQL	5965	3795	27.35920247	23.95671551	25.77729763	17.65585076
DENND5A	23258	4965	20.9120188	24.72926673	16.59638609	41.17888249
IWS1	55677	3000	34.60939112	39.21855251	33.66470531	28.81237483
AMOTL1	154810	8999	11.53774568	6.586675646	11.2697728	2.294448719
ERP44	23071	4862	21.3550336	26.67392483	21.46743565	34.64023323
GOLT1B	51026	3272	31.73232682	28.12649719	29.05811205	26.97401719
FLJ45340	402483	10263	10.11674689	14.95973105	11.01406483	21.02593471
NEK9	91754	5560	18.6373718	22.96459143	14.93433655	19.7695814
PFDN5	5204	743	139.4667392	185.6439191	157.5393779	194.527871
RHOG	391	1332	77.79563603	140.3578247	95.17331593	160.1801964
ACSL1	2180	3822	27.11245086	38.42143884	30.73634938	196.3379893
GATC	283459	4346	23.84348532	19.58630593	22.60639992	13.46110018
DNAJA3	9093	2728	37.98525924	27.36398438	35.2399437	15.8054794
NCLN	56926	3749	27.64038069	16.10767073	31.22212798	8.747259482
TAB2	23118	4395	23.53114927	24.69158532	25.14264623	42.65054086
SUMO1	7341	1527	67.72717815	48.30230429	69.45969234	58.19664102
ARHGAP30	257106	4425	23.37161605	47.58799708	21.39108996	82.89290388
PIGS	94005	2873	35.92586664	41.18487838	43.90428212	40.3730381
ZC3H18	124245	3744	27.56811294	28.98491385	29.45797154	21.30261004
POLQ	10721	8787	11.7463315	10.90452423	9.954693434	6.88815637
SLC39A9	55334	5401	19.0725104	24.34202629	19.67714034	21.47597454
WDR6	11180	4273	24.10733178	25.08366987	24.62434148	12.83833884
PTTG1	9232	728	141.4981163	96.41798859	132.6334285	42.82149024
UBN1	29855	6485	15.88444544	11.64846263	15.24768979	12.23625509
ADO	84890	3739	27.49565192	23.18318116	23.67700321	16.7833505

HMGXB3	22993	5422	18.96094477	16.80903136	16.99006934	21.76614296
FBRS	64319	2811	36.57283619	35.59298308	31.56869433	46.30443219
GNS	2799	5144	19.94592853	27.16098237	21.23526859	60.60273113
MRFAP1L1	114932	1604	63.96624461	60.84832663	60.19771567	45.68531695
SCAF1	58506	4323	23.7339478	23.09253823	23.60641678	22.94474736
TGFBR1	7046	6475	15.84584654	10.42753722	17.88170644	12.41146851
PAPD4	167153	3523	29.06541873	34.91445983	32.62529383	55.67799268
REPIN1	29803	3310	30.9357916	67.85962121	27.76703057	38.40644288
PLXND1	23129	6977	14.67643259	3.257694402	17.92755894	2.205044229
PIAS1	8554	2309	44.34710705	46.61246719	43.00729226	77.06148572
MAK16	84549	3590	28.46604012	21.41428307	26.83728445	11.67208207
NDUFB10	4716	741	137.9123941	113.0702962	144.5632578	49.4461865
WTAP	9589	2143	47.68692675	54.17444179	60.33890525	52.42558047
UBE2D2	7322	2879	35.49603474	32.35292192	35.51991125	24.8202114
RBAK	57786	6551	15.59961594	13.02776954	13.99749449	12.02027594
UBXN1	51035	1307	78.18904669	80.30160254	95.05389417	67.37303396
MARK3	4140	3546	28.81925663	22.24556413	29.37489773	29.97043233
AIDA	64853	3020	33.83876954	24.1279099	29.38397343	28.01829957
TNFRSF1A	7132	2258	45.16771384	67.10638867	46.78581961	136.8053343
CEP250	11190	8341	12.22739454	11.54102863	10.79094933	10.45999759
FBXL5	26234	3644	27.98811686	38.21910756	22.20693293	67.71700986
CABIN1	23523	7528	13.52076404	11.92900796	12.93866565	10.19135747
DVL3	1857	5062	20.10752898	28.17323553	19.61751044	39.86992816
HIF1AN	55662	6928	14.6917309	15.374426	14.33369484	15.83666913
VAMP7	6845	2664	38.20732421	58.46848597	40.84521475	42.02070616
LOC100495	1E+08	11210	9.079778027	9.263160668	8.764265302	7.421789712
TRIM27	5987	2969	34.2823549	27.01911974	33.16224277	18.34064134
AP2S1	1175	890	114.1347478	121.1809207	103.5057932	76.42258197
KLHDC3	116138	1879	54.06063093	44.23448186	59.933357	27.47171903
PTTG1IP	754	2843	35.72983662	34.25180557	36.04400607	45.14241967
G6PD	2539	2395	42.32799138	129.6058162	54.60762726	190.9339463
PIK3CB	5291	3213	31.55167736	30.03005057	33.80030107	40.63697996
COX15	1355	7689	13.18448945	15.79448734	11.12892812	12.21576179
AIF1	199	1491	67.99164276	117.170238	55.40733849	114.7232657
MPHOSPH	10198	3624	27.97338282	31.23592821	32.5322563	26.42076495
ZC3H14	79882	4208	24.09114528	20.01681436	26.46080543	9.81356655
YKT6	10652	2783	36.353271	33.54901003	41.14852341	32.73193975
SCAF8	22828	5018	20.1616487	19.31690272	18.06320499	17.70949997
MAD2L1	4085	1453	69.62914878	45.70140403	69.21648067	15.74291914
NRBP1	29959	2212	45.73741102	48.15281343	46.23048124	54.90837151
TMCO1	54499	4456	22.70447782	30.75451102	28.25981099	25.16732273
KIF15	56992	4857	20.78788697	14.72705205	19.2274788	4.876297502
CTSB	1508	3945	25.59360381	20.39102641	28.33197434	93.23529632
RPTOR	57521	6856	14.72677465	12.51321231	15.65528862	11.36743177
PREP	5550	2943	34.30743018	30.43789985	28.57333844	11.5555722
OTUD5	55593	2941	34.26126516	27.88249846	33.26244288	32.21241342
GTF3C2	2976	3935	25.60670415	27.18162355	27.49118115	15.43295016
AGAP3	116988	3247	31.03245483	23.74502893	26.6139413	12.28164028
ANKRD28	23243	6383	15.75403332	11.55532174	14.99482953	9.418983597
RAC2	5880	1516	66.33113105	265.7529644	62.71645291	242.3538168
DIMT1	27292	1557	64.58445387	28.19398773	62.96475868	13.00121149
PYCR2	29920	1708	58.87470414	65.88437107	50.22342688	43.25909542
VPS39	23339	4851	20.72933306	20.71687092	20.9499011	26.99886092
GCC2	9648	6998	14.36953339	16.36696198	12.40897927	29.04238045
CMIP	80790	4359	23.06905131	55.36311025	25.49570646	57.5382797
TMED7	51014	4063	24.69938679	23.41854698	26.72910838	38.01457604
DR1	1810	3222	31.14637136	23.51431186	32.98455461	25.69627714
TOR1AIP1	26092	3824	26.24309846	40.49914119	31.65956283	60.24164384
EXOC7	23265	4952	20.26526828	24.16420673	20.65061076	29.3914282
NSF	4905	3983	25.19548293	26.79810595	20.47600248	32.67932686
DENND4B	9909	5688	17.64303947	26.36540029	14.04107591	30.9622206
VPRBP	9730	6001	16.72281428	10.99124724	12.85101448	6.577841739

ERGIC3	51614	1383	72.56226212	80.883592	73.63648227	53.27845706
SNRPD1	6632	1614	62.17695695	51.22114377	68.9882709	25.83664546
MPRIP	23164	3923	25.58083317	19.48294949	26.60583026	6.553266784
FKBP5	2289	7384	13.59068371	7.212488035	21.11703059	5.702221492
MXI1	4601	3470	28.86144736	17.27434934	29.22671051	24.15145512
NSFL1C	55968	3574	28.0216067	24.4405183	29.3812329	18.40777293
MS4A3	932	1665	60.14968309	11.10817588	25.50644867	-
MTRR	4552	3317	30.19271099	27.20748789	34.01448977	25.44854864
FMNL1	752	3973	25.20745591	49.86112679	27.33460039	40.70995759
EFHA1	221154	1947	51.4377105	52.07440758	48.50759544	39.71639735
UBL5	59286	537	186.4976207	228.2271445	205.7764063	154.1776628
ZBTB40	9923	8992	11.11486167	9.218611958	11.44302478	9.027354765
RFX5	5993	3618	27.62433283	34.12086991	25.22803121	33.4024409
CTNNA1	1495	3778	26.4544299	22.1771015	22.09038664	26.6297366
PSMA5	5686	3838	25.98761074	32.86172474	25.37839369	35.65448446
MAPKAP1	79109	3395	29.37863034	25.79477028	32.05056027	19.67644323
FAM46C	54855	5720	17.43714161	2.610103125	14.70128235	2.017210697
UTP20	27340	9029	11.04667737	8.341726375	11.3025296	2.802481766
MCM8	84515	3710	26.88421833	19.09994441	30.01268713	10.74891806
PRKD3	23683	5907	16.85052714	8.638680346	17.27620446	5.791514786
MRPS2	51116	1510	65.91792307	38.66368437	60.72687843	10.72470797
MED21	9412	1782	55.85637701	60.64750398	56.20032373	39.41796602
TTYH3	80727	4838	20.57380402	37.86036934	18.60423901	57.40644894
SETD1A	9739	6447	15.43912887	12.89228966	14.28884069	7.253151441
SF3A2	8175	1678	59.31827404	54.57940014	52.63231838	35.58791095
MYO19	80179	4418	22.48340373	17.0982979	19.27291961	7.835069164
TLE3	7090	5354	18.55279747	22.55795949	20.91537608	30.24712185
GLE1	2733	3350	29.65124707	29.6001626	30.21056737	20.96800461
RHOT1	55288	3309	29.95687262	21.61658864	30.90414763	22.75718858
COPE	11316	1134	87.4138373	92.74870123	100.7981093	83.18505303
TET3	200424	10983	9.025520486	12.23419001	8.329809858	9.160260848
GIT1	28964	3778	26.23803375	17.87144084	24.38331285	12.16287768
ATXN7L3	56970	3656	27.11359177	23.95329461	26.17943022	30.17607503
BMS1	9790	8048	12.31700938	9.912288909	11.31507606	4.879622193
MGAT1	4245	3181	31.0980526	32.92403704	35.26947761	103.2189927
HMG20A	10363	3898	25.37786181	21.09421772	22.81962148	18.74726001
RPS6KB1	6198	5332	18.55268292	11.78522451	17.23722265	9.52919066
ARID1B	57492	9648	10.25320329	10.46260429	10.81827033	9.609496189
HARS	3035	1981	49.93584318	40.60706673	50.34144743	25.44411251
SIKE1	80143	5519	17.9240633	15.10045735	19.40956224	14.41466627
NUP93	9688	2764	35.78976315	29.50678821	35.46893244	18.2361747
TRIP6	7205	1762	56.14239803	57.79485637	45.20678492	52.84748976
CAMK2G	818	3818	25.90961376	26.55549281	27.39286456	13.62603923
RLF	6018	6266	15.78724949	14.61606023	16.69102408	19.41585487
NMD3	51068	2758	35.79351674	37.40809755	33.47767974	33.54241855
TRIB3	57761	2469	39.98319934	24.81935533	33.97328889	22.54675468
PILRB	29990	3705	26.64467454	29.53059331	23.95130898	19.45065458
SNX2	6643	2091	47.21115216	52.53778746	56.18093128	137.5664344
RAPGEF6	51735	8395	11.75920419	12.66124963	12.8104757	11.50191395
SERPINH1	871	2333	42.31398164	25.40655557	34.23302177	22.9066523
C19orf48	84798	1692	58.34427847	48.20139634	53.57042708	16.03160026
CEP290	80184	7972	12.38315594	8.022200266	10.07127563	3.123275231
SNX14	57231	3505	28.10674265	32.48716174	31.04469389	35.05686728
MGRN1	23295	6471	15.22394267	17.4932783	14.98681896	20.7089951
TNKS	8658	9599	10.26295791	7.939241398	8.100092945	7.739492937
SPTLC1	10558	2780	35.43673849	34.30661477	39.06488034	38.22847232
CYC1	1537	1235	79.76852874	81.19409565	79.55256197	37.86321242
WDR33	55339	6315	15.60002106	14.29093228	18.83663035	11.98866108
PSME2	5721	829	118.5883556	291.375911	92.51672904	417.7994988
GNG5	2787	823	119.4529123	138.3566244	127.8491023	181.2759077
EPS15	2060	5220	18.83328483	16.3496012	16.79754329	21.52260899
GCFC1	94104	4028	24.40659057	23.7326767	25.65001199	15.0263729

ABI2	10152	6489	15.15021526	6.009511455	9.279728308	4.585767122
IKBKAP	8518	6129	16.04009575	9.670989418	15.34046644	4.723009855
SSR4	6748	948	103.7022646	149.0252343	91.37843055	121.2864917
TADA3	10474	2571	38.2379412	49.74949865	39.11767655	49.91828048
MKI67IP	84365	1754	56.04888645	51.07111703	59.14527812	26.54426367
AFG3L2	10939	3223	30.50255874	25.30461142	28.77878071	12.81274838
UPF2	26019	5223	18.78333537	16.51086521	19.86230477	21.23894637
CLK3	1198	2713	36.16120924	37.1250916	35.20114712	40.59023275
MSMO1	6307	2214	44.31136435	42.47307722	26.14815927	53.94445761
RDH11	51109	2587	37.92244324	36.60761153	30.46355469	47.80983195
CREB1	1385	9794	10.01688387	10.62516477	10.74329295	15.41882089
GPATCH8	23131	7054	13.87878856	18.89055082	14.55690304	22.75674629
POLR2D	5433	2338	41.87381287	27.54433101	41.66051112	13.16047355
DARS2	55157	3348	29.24162918	22.49625073	27.76741189	7.557827918
ACSL5	51703	3399	28.8028757	74.40867819	33.38038154	66.16606847
CUL5	8065	6408	15.27792985	13.90965573	14.7055249	11.62512821
KIAA0430	9665	7760	12.61610496	16.25300252	12.44292989	33.33815552
CSK	1445	2755	35.53574392	77.56680387	43.40732302	97.79775557
SUMO3	6612	1831	53.46858246	42.22989711	53.6577903	29.18690323
RALB	5899	2275	42.94355531	55.92855516	40.02801413	53.83273059
RRP12	23223	4449	21.95922417	27.0965346	22.27299462	31.7134002
MGAT2	4247	2728	35.81253238	37.81947692	31.44487284	27.01030283
YTHDF3	253943	5156	18.94813583	20.0532129	19.21888151	24.42023909
GTF2H1	2965	3515	27.79419298	21.36404403	28.85254209	18.54398119
LSM4	25804	1167	83.71601399	71.41338825	82.55856999	32.61064802
DCAF11	80344	4311	22.66216384	22.63992482	21.51565999	20.70775425
CNOT2	4848	3639	26.84709764	33.49532249	30.1918318	29.98328033
CHMP4B	128866	1664	58.5890638	84.09791227	61.58239739	118.8539658
NUCB1	4924	2585	37.71458497	53.96257665	39.64143492	56.30419825
TMEM97	27346	2585	37.71458497	34.13607085	41.4396031	8.144139941
RBM8A	9939	4973	19.60430367	19.62612425	21.28567574	12.08955807
TRMT112	51504	612	159.3009839	129.9857328	141.2017441	70.12241658
ARFGEF2	10564	9004	10.80495513	10.5179799	9.62091872	10.97126667
DPF2	5977	2545	38.22703968	30.82008056	34.78519254	35.31568375
MICU1	10367	2506	38.82195371	37.79085835	36.33828098	41.84283759
CXCR4	7852	1912	50.88274895	43.82065348	40.66568629	92.00349472
IDS	3423	5876	16.55681007	8.987635515	17.40330573	16.26045325
PHF21A	51317	7332	13.24105699	11.33614176	12.67939103	18.02864805
AIFM1	9131	2492	38.95803765	34.873494	42.47739384	19.49555662
ARFGAP2	84364	2803	34.635544	35.29707885	30.07585436	25.27652588
RNF219	79596	3552	27.33204668	23.39994127	22.96056247	19.88954763
JUP	3728	3508	27.67486597	18.35765276	39.45026188	70.34229873
TTC19	54902	3642	26.65662543	22.39339995	22.79926173	18.50873459
MEGF6	1953	7450	13.03133286	2.542386336	20.98667428	0.380403232
DTL	51514	4428	21.92489382	21.28686216	23.95324079	10.42316639
NDUFS2	4720	2082	46.62988944	55.22654435	55.30749037	44.53046073
FES	2242	2783	34.81101101	59.01102718	37.04885503	29.67695871
NXF3	56000	1915	50.58957893	81.33683897	78.7766682	79.06881958
MORC2	22880	4467	21.68771964	13.61838436	19.86559207	7.386591597
CBLL1	79872	4339	22.32750487	21.51806751	19.9646813	18.61468456
TNRC6A	27327	8438	11.48128036	9.13724922	13.07070934	13.69837411
TMEM87A	25963	3023	32.04731844	36.85621646	31.10212332	34.08411884
DIP2B	57609	8715	11.11635613	8.770121729	10.42483619	25.31812514
KAT2A	2648	3127	30.91610409	24.08616803	27.16228784	11.26403011
KIAA1715	80856	5765	16.76923807	17.39370479	14.65982733	12.60571757
CTSH	1512	1494	64.70860608	16.55584204	41.29528134	22.76308499
TWISTNB	221830	3892	24.83932618	13.96998332	23.50624401	7.437648356
BICD2	23299	6433	15.02792748	12.36612287	15.40378565	7.929748712
RYBP	23429	4678	20.62211871	11.43220272	18.7437315	21.67953406
EI24	9538	2279	42.33008834	35.98175866	55.6256502	26.55824047
KLHDC10	23008	6438	14.98450937	12.35651886	12.50380461	10.21891588
STX16	8675	4978	19.37932329	19.15877643	19.90609744	35.21562783

GALNT2	2590	4463	21.56977037	15.57781708	22.39249207	13.87928122
PDHB	5162	1614	59.64429067	44.73221181	59.69383592	26.21290728
TOMM40	10452	1819	52.92242174	39.69092351	61.21334208	16.24772622
DENND1A	57706	5041	19.09658503	16.62072792	11.9452801	15.78150033
PPP2R4	5524	2869	33.55381148	30.2132849	35.20185289	39.44152471
AZI2	64343	3415	28.18913182	17.42205764	24.19102246	40.07083788
ADSS	159	2791	34.49153893	28.74230258	36.63985113	18.78505034
LRP5	4041	5161	18.61296241	11.65759056	16.4983063	3.451606266
NSRP1	84081	2542	37.78973209	39.71015192	35.98989051	32.25164811
MAP2K7	5609	3386	28.37020053	23.09931256	28.32938029	20.14723178
HERC4	26091	4531	21.20094879	21.49147721	20.5176109	28.28017441
FAM178A	55719	7291	13.17535304	13.47815306	12.63477657	10.63369284
DNAJC9	23234	1450	66.10835366	61.47108545	78.83107303	32.24901196
TIMMDC1	51300	1596	60.06084763	45.37632991	50.4382795	32.2161223
AKAP13	11214	13302	7.206218073	17.63966449	7.433563999	35.67082054
POU2F1	5451	14038	6.813842901	7.222458438	7.570610839	9.156740845
SARS	6301	3192	29.96639306	22.408926	30.71307308	16.93248948
ZNF480	147657	4742	20.171389	14.1443775	22.45624625	11.31245227
LENG8	114823	3970	24.0938858	26.82972879	24.85390014	22.7923682
WBP2	23558	1944	49.20407749	79.43572558	50.2127365	119.8537146
RPRD1A	55197	4283	22.33311386	12.43451124	19.88040131	8.460136929
MPHOSPH	10199	2488	38.3634809	23.37593678	41.86631324	16.76058914
C15orf39	56905	4443	21.48285854	30.04203875	22.68350915	46.74589543
ATP6AP2	10159	2044	46.69683976	56.90736861	48.06624953	48.62650279
GAS5	60674	651	146.6180345	143.7630224	147.9966992	88.62093079
EGR1	1958	3136	30.43633306	29.77260679	27.62332658	17.94490558
ZNF266	10781	3618	26.32502883	28.94730841	26.45439384	28.1430951
DMTF1	9988	4052	23.50541814	23.04217545	24.97665368	26.12791099
ATF7IP	55729	4661	20.43423178	17.7367359	11.9672124	13.98457281
SLC43A1	8501	2555	37.27747722	30.35059659	28.44695026	10.77507842
HN1L	90861	3705	25.6517053	21.77204639	25.66211676	8.031590514
RNF6	6049	3584	26.51773665	44.64114611	28.76868402	49.13870278
HNRNPUL2	221092	5156	18.43280996	20.22608543	16.80115441	12.21011955
DNAJB1	3337	2233	42.56138296	52.48992036	43.43023084	49.85932585
VRK1	7443	1720	55.1367337	39.38438149	57.24342953	25.18591667
SERINC3	10955	2592	36.58764737	42.72679179	44.0991728	52.40345951
PDPK1	5170	7254	13.07350179	17.81678483	11.65066233	19.56198414
GNAQ	2776	2215	42.81498057	46.67917188	46.3586429	37.83546242
XPNPEP1	7511	2557	37.08845599	52.98485425	39.57974216	53.59575292
POLD3	10714	3430	27.6487411	21.50367891	23.59243837	14.34117017
MRPL19	9801	7827	12.09030226	8.284695447	12.60636049	4.344966012
HDAC3	8841	1965	48.1581658	37.08208036	48.60087132	25.65129103
GNA13	10672	6311	14.99458023	16.10072956	16.53853147	32.84537406
IDI1	3422	2150	44.01432363	40.31716947	31.7418502	37.37872493
RELA	5970	2595	36.46658798	48.60242758	36.72039591	54.05903739
POGK	57645	3852	24.56666558	23.89145867	22.15966864	14.97721338
ZZZ3	26009	4344	21.78425318	15.44029422	18.23936131	8.900532418
SLC5A6	8884	3357	28.12821258	18.51960651	29.64406393	6.994860918
YWHAH	7533	1807	52.25589908	30.95240945	48.99187328	16.01955031
PRPF3	9129	2480	38.07516518	43.12890672	39.01952448	47.99523041
SATB2	23314	5730	16.4793036	13.88329292	17.10927212	6.676972967
PFAS	5198	5400	17.48637215	10.81151174	18.03745833	2.624077853
SRSF9	8683	1204	78.42725053	75.32633114	93.18289724	77.50806131
ASPH	444	5349	17.65309584	8.706679961	15.60244545	4.957596008
DOCK11	139818	6638	14.2251295	19.90656554	19.22506717	22.71911764
WBSCR22	114049	1435	65.80237605	39.90801392	60.51431144	21.30087687
SLC30A5	64924	4072	23.1390038	21.77981545	23.40113639	15.55997891
MRPS15	64960	965	97.63940256	107.3753351	94.36656181	45.52027281
WDR34	89891	1818	51.82729564	39.46761523	51.01980761	10.02123084
CYBA	1535	743	126.8129522	382.3844859	138.7711488	357.1793262
TOPORS	10210	4183	22.52498768	17.79252133	22.37608159	16.50208995
CLTA	1211	1246	75.45556766	92.995984	80.54595638	84.80567132

KIAA0182	23199	7395	12.71367644	39.50421226	15.65707224	25.07435273
DCAF8	50717	4201	22.37982321	22.43709251	22.17961908	15.61222366
C12orf24	29902	1529	61.48962544	43.42978421	56.93219207	12.18015395
C20orf30	29058	1792	52.46519939	43.77070593	51.64214591	34.56653575
SUPT5H	6829	3798	24.75451219	25.75659521	24.75558684	32.99196055
FUT4	2526	6063	15.50678497	23.338076	16.44836011	24.8069677
LARP7	51574	2303	40.82398493	36.57436163	39.44960807	43.59735824
ISCU	23479	1189	78.90096815	45.54107855	81.03099342	29.96423876
MAFG	4097	5043	18.60266729	18.29322457	18.60210867	26.5730532
NDUFV2	4729	937	100.1208657	76.81425525	104.1766913	58.54666154
NHP2	55651	867	108.2044419	82.24505089	108.9322818	26.61694392
VPS29	51699	1107	84.56085363	91.7901574	84.74293952	89.6026584
TEX10	54881	3129	29.91654361	20.01150029	27.82017312	10.6745805
NR3C1	2908	7286	12.84777175	14.55783117	16.93525949	24.19922312
CEP85	64793	3961	23.63263443	19.68983581	25.07039582	14.3606439
ARL8B	55207	3008	31.11996841	39.70688797	40.38854315	73.62273141
BRD3	8019	5673	16.50076943	17.71506096	17.54188659	12.70309805
GADD45G	90480	744	125.8183669	67.08941046	113.0259879	32.3777348
NISCH	11188	5252	17.8234701	10.22518603	15.24693918	8.787848582
CDCA8	55143	2319	40.36604785	31.22924646	34.16635856	10.73684784
UBE4B	10277	5890	15.89284634	16.38141808	18.72506714	14.77833804
H2AFX	3014	1651	56.69828284	61.00567747	57.97213622	26.85155723
IDH1	3417	2339	40.02089139	69.45063154	32.88056996	66.3800504
SLC4A7	9497	7757	12.04131479	8.330730769	10.15975454	5.088775078
PTPRJ	5795	7854	11.8925998	17.44870144	23.96927965	83.40460918
ANXA7	310	2212	42.22625624	37.57531257	48.90497189	34.77530195
GBAS	2631	2019	46.26274334	51.32104923	42.17323369	27.07072462
GPR107	57720	7096	13.16297615	12.27840752	11.93985193	18.28592181
CREG1	8804	2048	45.60765566	117.2918136	42.71088438	281.6014798
MTMR12	54545	5187	18.00741831	9.923722802	16.66000914	9.05407677
SNTB1	6641	4975	18.73368696	16.97559548	13.7175835	21.5652859
ARID4A	5926	5792	16.09117621	20.96750918	20.93878678	30.37131939
RNF138	51444	3585	25.99723644	17.52826139	24.87089799	20.60991213
RANBP6	26953	4606	20.23449688	15.57796884	19.08260111	12.12991016
FURIN	5045	4180	22.29667288	22.76305177	26.1831355	35.40083704
ANXA5	308	1624	57.3892196	72.1736405	69.99458227	169.5217079
IMPDH1	3614	2625	35.50479719	25.72125847	45.87897675	16.11719328
SLC38A5	92745	2006	46.46066432	34.21359267	44.55306782	37.43823936
EIF2B5	8893	2898	32.08961576	25.60499794	29.60028058	14.66875819
MOGS	7841	2910	31.95728744	24.04448901	38.9170557	21.84283951
ZC3H7A	29066	3817	24.36355946	20.95806493	20.86831413	17.81925542
PHF6	84295	4772	19.48778425	16.99729615	19.83561884	13.40476125
DCAF13	25879	2657	35.00026589	21.72136445	31.88753832	9.447188185
MRPS5	64969	1678	55.42056404	46.87719768	54.39512331	24.24803424
CTDNEP1	23399	1780	52.24477891	64.34606739	55.55127434	50.60721574
ATR	545	8258	11.26128681	10.25386537	9.671305376	6.226317654
ZNF451	26036	5241	17.74388599	15.00857426	13.66638697	13.4411838
PRCC	5546	2142	43.41536249	35.89041841	41.03382854	28.54039058
SMEK1	55671	3894	23.8293067	27.52504401	29.29988987	29.21546507
CYB5R3	1727	3167	29.29943805	28.35540636	31.28909159	16.81048025
PWP1	11137	1853	50.07626567	28.01943634	43.7848615	14.42018883
KIAA1109	84162	15592	5.951213462	7.402984267	5.257727515	15.18995444
VTA1	51534	3273	28.35054088	30.16036643	29.30744933	27.02762393
RNPEP	6051	2430	38.10161898	66.39130196	41.64831304	46.90018512
ATP5L	10632	1396	66.32301871	75.9801991	72.64805548	54.52238716
SETD7	80854	7012	13.20406933	4.004124113	9.792861871	3.435401411
ORAI2	80228	10769	8.597542402	14.75343154	11.30095854	19.06053181
UQCRFS1	7386	1224	75.64292004	66.63134201	70.77349033	47.96108681
UPF3B	65109	2404	38.42868051	44.58507544	37.61642174	35.28190249
RBM28	55131	2823	32.724955	24.39082522	33.30560354	10.97117111
PPFIA1	8500	5227	17.67410521	16.62612341	19.847105	15.95574738
STAT3	6774	4978	18.55816552	19.5616479	23.38648122	45.86977851



PTPN9	5780	3956	23.35251465	25.1785162	20.08166589	30.24152124
CMAS	55907	1741	52.94552659	49.02063082	52.54813422	53.01985153
TAF9B	51616	2714	33.96395055	19.04833562	33.47547803	8.204559663
METAP1	23173	2835	32.51434278	24.83778779	32.04671865	11.2103462
CSNK1G1	53944	8163	11.29219182	9.554261872	10.35328979	10.48969852
PRR14L	253143	10844	8.48153593	10.58270312	10.05375663	13.5525041
UNC93B1	81622	2334	39.40607353	50.60039542	37.92986933	187.1643043
RNMT	8731	6203	14.82730544	9.447847185	13.28406528	8.223774539
DHX38	9785	4470	20.53006475	17.29819723	19.56865575	12.22724676
IDH3B	3420	1645	55.78686289	42.94100976	60.36707467	24.85752603
GUF1	60558	4230	21.69489112	16.80463982	20.0795447	8.326861029
CDC16	8881	2317	39.60698725	39.33472942	37.56984104	24.46270247
SWAP70	23075	4848	18.88717064	13.97300663	22.18315667	16.45152063
LPCAT2	54947	5395	16.97219709	45.6404294	27.41414883	48.36530201
VBP1	7411	1643	55.73037327	44.21391067	51.43877331	31.17133434
DEGS1	8560	2058	44.49222706	65.07407363	43.52999943	110.4604534
C1orf96	126731	5121	17.88029746	10.05162081	14.60550782	7.075720849
ANKIB1	54467	6081	15.05755686	14.84085468	12.75144013	27.62965898
PRR12	57479	6960	13.15589128	13.95905899	12.02137435	10.58679686
CLASP2	23122	7155	12.76877947	14.51293237	13.96753209	14.37230781
WAS	7454	1844	49.54480321	115.7666551	58.32101059	166.5317707
CDC23	8697	3169	28.82947842	23.90757741	28.00239816	15.39455853
POLA1	5422	5455	16.7480508	12.78581674	14.25349078	5.751874199
ADRM1	11047	1410	64.64980918	65.90158123	72.07657462	64.74852283
PRKCA	5578	8787	10.37398782	11.9696173	12.76797636	10.3207159
PTPRCAP	5790	917	99.40701303	58.0774391	134.7890789	53.2010425
GGNBP2	79893	2869	31.77282361	28.58223353	32.6979554	30.12796252
SEC23B	10483	3447	26.44509166	25.92280435	28.13452436	27.54254039
POLDIP3	84271	3435	26.53747626	22.64006025	23.12753137	19.32945183
UBN2	254048	14461	6.289457491	5.239133726	5.990370801	5.641299479
UBFD1	56061	4931	18.4449087	12.38210416	20.13868137	11.82306074
MED17	9440	3497	26.0085344	17.33213905	24.77173353	15.86088317
ADCK3	56997	2932	31.02041091	17.40405348	24.71714637	11.39180163
HBS1L	10767	7163	12.69745146	8.399389206	11.50370752	5.397726208
MLXIP	22877	5400	16.84293422	16.21726761	16.82452729	9.746574883
POLR2E	5434	2866	31.73476789	25.19113393	28.16147203	13.91433566
DDX10	1662	3204	28.38696778	16.96977999	28.9494414	6.886624863
SEC24B	10427	4649	19.56374377	14.76284511	19.58781074	18.11366035
PPP4R2	151987	1495	60.83735437	53.36060277	56.95502263	71.35786674
PGRMC2	10424	3790	23.94392048	15.52185456	23.74863017	8.652632137
MLST8	64223	1931	46.99505884	31.73432848	42.01623426	11.63625261
FYB	2533	4876	18.61104565	55.89097076	35.57522335	147.1304123
ADI1	55256	1685	53.85605852	36.36735211	65.83056363	30.63463505
AMPD2	271	3932	23.07921124	24.42545451	21.01025984	21.82854473
ACAT1	38	2149	42.13265353	58.89667982	43.9480169	18.08578022
UFM1	51569	2618	34.58482523	36.94017768	36.55920431	33.94433569
TP53BP2	7159	4802	18.85528372	16.8911073	23.45164053	20.74031665
CDC7	8317	3316	27.30490725	16.46381416	23.44776604	4.700549592
NAT8L	339983	5894	15.36190574	25.10364823	13.0843125	2.884971919
SCMH1	22955	3364	26.91530096	21.52812798	23.23881145	10.04923309
ANKFY1	51479	7959	11.37618701	15.48265795	10.59211205	32.2756913
C11orf84	144097	2004	45.18117387	28.91042816	48.28763508	23.03082872
UNC13D	201294	4406	20.54994835	41.21848345	24.74419811	45.89796507
CD59	966	7801	11.60659819	14.9393019	7.096091203	12.06632756
RASA1	5921	4307	20.9748517	23.64396028	20.35829486	25.75598256
AGFG1	3267	8750	10.32442129	10.82330183	11.10754174	14.59801286
RNF169	254225	7840	11.52279162	8.498338359	10.72593559	9.501762955
MAU2	23383	4853	18.57290338	21.81032871	20.15760241	38.66712466
CLN6	54982	2258	39.91775913	40.8559484	57.07869992	20.44011548
REEP5	7905	3116	28.92628373	21.88279895	30.91972117	17.47540569
PPP6C	5537	4367	20.63986721	19.74725189	24.67488626	18.81981185
TERF2IP	54386	2196	41.04476325	36.32700416	34.05956536	34.84431248

AKAP8L	26993	2136	42.19770604	35.88691177	38.8740221	40.75112878
SCYL2	55681	3818	23.60772659	32.56695602	27.83557752	47.6646275
LRR8D	55144	3795	23.75080372	18.43727616	20.82226634	16.64237292
FAF1	11124	2610	34.5342146	32.95533192	29.06177369	15.74446712
STAB1	23166	7965	11.31629631	0.111905931	17.53411516	1.042006702
ARID4B	51742	6067	14.82279775	21.92700062	15.39275829	47.07880759
HIAT1	64645	2664	33.7574752	29.86158726	34.10377154	50.15129488
USPL1	10208	3905	23.02942739	15.69244259	18.50432481	29.70339013
GOSR1	9527	5246	17.14256842	18.73221768	16.311538	21.60887595
SNAPC3	6619	3095	29.056515	19.15137129	23.27887031	14.32372245
UBR1	197131	7758	11.59189404	9.449852189	9.668225095	13.82924689
UNG	7374	2166	41.42452806	29.3200901	42.92026547	7.289682045
C10orf46	143384	6758	13.27693515	12.26601934	18.63357765	17.10371127
MRTO4	51154	2273	39.47449528	20.19513113	40.1561887	6.323118904
SNRPD2	6633	882	101.7296233	86.40451041	94.14389027	46.36125886
UXS1	80146	2132	42.08514436	38.98526802	39.34336316	39.68821047
SMNDC1	10285	2043	43.9185158	38.39310085	47.46926357	34.2831065
KIAA1310	55683	5309	16.90064565	24.38609716	15.83939255	25.47042389
ST8SIA4	7903	6330	14.17464894	10.34957493	12.38335647	21.33018193
ABLIM1	3983	7704	11.64661575	9.51608947	18.04586877	8.119226201
USP16	10600	3052	29.39892784	22.19565405	28.52205822	19.96431447
CSNK1D	1453	3778	23.74947797	36.3326982	23.60036244	42.81118621
UHRF1BP1	23074	5195	17.23217355	10.42316504	16.18697498	10.83257438
NEIL3	55247	2402	37.26941782	20.87316989	33.953338	6.320634772
PHC3	80012	12687	7.0561316	9.343973223	7.22768081	9.716968357
TNF	7124	1669	53.63759233	15.62098509	34.56005983	16.85896462
APH1A	51107	2213	40.36003409	47.22482112	41.91324457	49.94403939
IST1	9798	2377	37.57541247	45.74772829	35.37708667	62.59369553
RANBP3	8498	3415	26.15424757	20.7498664	26.10898076	18.84989119
RALGAPB	57148	8636	10.34237557	10.86296437	11.79241026	10.07925093
RBM15B	29890	6650	13.43109104	11.05786255	12.8359464	6.788216006
C4orf14	84273	2307	38.71554202	34.5791509	34.61882956	15.61869857
BAG3	9531	2608	34.16885325	31.44264877	31.352455	35.5492405
HIATL1	84641	3312	26.9059086	33.64019999	29.72786799	37.83317215
PSMB3	5691	784	113.6637363	100.9000039	116.9612072	75.39442345
NBEAL2	23218	8843	10.07716491	27.01307679	9.198759824	39.37324938
BTG1	694	4704	18.94395605	20.8431933	21.6045855	23.41014061
CLPB	81570	3131	28.46131245	33.80566121	25.710474	13.31853905
RNASEH2B	79621	1691	52.69803032	46.64859278	50.72833419	24.54045944
PHF15	23338	6463	13.75645723	11.44676641	11.89968329	23.89806938
TRIM44	54765	4337	20.49988082	20.44902203	14.61503998	17.17634807
TMEM126	55863	1205	73.78255859	62.31918237	84.16322444	48.71731972
SLC39A14	23516	4740	18.75695846	7.803845077	20.2815541	3.373814383
AGPAT1	10554	2259	39.35723023	29.88858056	41.80800723	31.81153003
SF3B14	51639	783	113.5478711	112.1278133	120.3486636	78.59307067
TDP1	55775	3763	23.57257426	18.8309311	21.28007562	6.778112339
FBN2	2201	10724	8.271502884	2.119445528	8.905325637	0.566287382
ARMC10	83787	2629	33.74043246	27.03827555	32.8700903	15.4766837
MED25	81857	2361	37.57035025	37.09159047	28.81562607	55.12992752
UTP6	55813	2065	42.95573701	28.91968984	43.07548888	29.31052301
NLRC5	84166	6822	13.00257944	13.98012153	10.9637651	50.17695797
MRPL51	51258	690	128.5559376	96.56083005	115.1348845	51.63402881
XIAP	331	8460	10.46089962	15.85641563	9.465357513	22.75530126
FAM125B	89853	4818	18.36845387	9.666258014	11.5772472	11.34408323
RFC2	5982	1715	51.60303835	35.73118852	52.60559365	21.12814371
FBXO41	150726	6939	12.7538854	11.36803147	11.90551112	8.839306164
KHNYN	23351	6301	14.04526436	10.85694877	12.50741406	15.645589
VPS36	51028	4427	19.99078626	18.52325005	27.01314094	15.68400723
FADS1	3992	4432	19.96823348	16.79289637	17.0667745	4.750135773
DTX3L	151636	5768	15.3431364	19.58671483	13.0038298	108.6546047
IFRD1	3475	3514	25.1265864	14.1410611	23.44936168	29.6672921
BLMH	642	2543	34.72073323	19.36532573	41.04391353	9.472683717

RALA	5898	2828	31.22164943	18.35926999	33.76970019	12.31179789
FCHSD2	9873	4507	19.59059787	8.207283263	20.57998896	6.15326253
NNT	23530	4689	18.83020358	26.70760692	19.06023759	12.77861877
ATP6VOB	533	1028	85.88990719	106.2140229	95.16035458	145.5203597
SNRPB2	6629	1692	52.18370248	62.95155042	56.31762847	58.14446064
THAP4	51078	2245	39.32954325	19.95072144	35.38666827	8.385694546
PEAK1	79834	11576	7.609747618	5.447620057	6.880991278	4.249327375
ITGB2	3689	2977	29.59033874	175.5265857	53.93900525	398.5339489
PPP1R8	5511	2659	33.12916075	26.56561153	28.92352506	17.73821928
EXOSC8	11340	1427	61.73121123	47.15870413	59.52100495	19.29244945
RASSF5	83593	3637	24.22063196	34.12642436	30.32462068	49.70277004
TMEM43	79188	3343	26.35071446	19.39704196	23.38479261	12.47392934
SLC17A9	63910	2612	33.72528271	22.86338419	27.34083053	4.572474316
CHPT1	56994	1567	56.08554707	40.67016454	63.50677894	21.70264772
FAM43A	131583	3182	27.61975244	5.742388482	21.57999605	5.534667215
ZNF192	7745	5362	16.39053567	12.79978868	13.08215979	10.87271774
NUP54	53371	2358	37.27143862	22.49117005	36.64778091	19.57327428
SLC35B4	84912	6816	12.89408044	12.68472442	12.3063454	4.217267978
SENP5	205564	6324	13.89722521	9.40802132	11.2925758	8.866665882
CD99L2	83692	3736	23.52410392	14.851536	22.90426348	9.915546553
ARHGEF1	9138	3261	26.88796875	54.46110081	25.33343811	55.30945014
HAT1	8520	1682	52.12940909	40.40664022	56.14999306	22.02406773
SCYL1	57410	2667	32.87651522	26.48592466	32.48097194	25.19924353
PSAT1	29968	2221	39.4784629	17.3570709	37.29114203	5.195157672
SNRNP40	9410	1638	53.52971068	46.11738714	59.46414834	29.04199194
GLRX5	51218	1182	74.18076657	49.76973669	77.57833031	21.40745167
EMILIN2	84034	4009	21.87120631	0.555831092	15.0202437	0.807897682
NDUFB8	4714	686	127.8158398	129.2819366	121.0421446	86.16505537
ZNF384	171017	3251	26.97067551	28.10255329	25.34637248	24.40852485
GRK6	2870	2952	29.70246141	52.76424344	29.05881203	41.48694515
WDR45L	56270	2596	33.77568031	23.43348341	28.40461545	25.65450536
NUP88	4927	2518	34.82194841	23.00893488	34.90645779	13.18440569
DHX29	54505	4491	19.47835224	17.26692814	18.72441216	10.86291605
SKA2	348235	2990	29.25661536	29.88491859	25.43896792	18.48263531
USP33	23032	4524	19.33626877	23.05165704	20.7828733	38.6601542
INTS8	55656	3393	25.7816917	16.48423338	23.97425085	14.19925417
C5orf15	56951	2298	38.06670145	43.63564323	41.92595787	51.44406265
TIMM44	10469	2017	43.369995	30.82316264	41.0627796	11.84264047
RBM22	55696	2352	37.19272106	36.38084649	38.71757319	37.09474487
MPP1	4354	2216	39.47530682	42.43474412	45.57496206	82.30523715
ESF1	51575	3216	27.20064674	17.53005884	30.94375703	9.00103464
AAMP	14	1859	46.94615049	33.80248365	44.78009466	24.28275225
CHTF8	54921	2934	29.74536256	33.26541101	33.05375101	32.56524312
DSTN	11034	1746	49.98447523	31.90616906	47.19419068	11.47792522
ATAD5	79915	6245	13.97484288	12.16748527	12.85639861	7.973979229
CAPZA2	830	2373	36.6913222	47.89071606	41.13508628	76.85984219
TAF5	6877	3283	26.52101967	15.40755999	24.97060232	6.47427067
HSPA4L	22824	3284	26.51294384	12.2815822	20.26635196	2.40399685
GPT2	84706	3963	21.97035266	3.092555554	15.67441833	1.430231684
ARAF	369	2503	34.78566024	46.20461981	34.1026942	43.75310222
TWF2	11344	1659	52.48252416	85.8288641	56.80108714	115.063543
CENPB	1059	2856	30.48617212	32.22335392	30.10955808	20.20035922
ACP1	52	1597	54.52004232	47.85949334	55.16953381	31.30865946
GALNT7	51809	4339	20.06649172	19.1557021	26.10016872	14.6958036
ARSB	411	6076	14.29626751	10.45215852	20.44691239	12.39360385
TWF1	5756	3083	28.17519345	26.38142392	19.32607937	29.02158853
CDYL	9425	3477	24.98249106	21.34118033	26.25108338	15.19526409
IRF2BP1	26145	2630	32.95046968	22.79163201	29.88514495	12.69990965
DPY19L1	23333	4879	17.76178218	16.76154853	17.36527758	7.717107708
DOCK10	55619	7431	11.66192104	3.598428498	8.188670606	31.13661558
DHX36	170506	3625	23.90613386	23.54342573	22.96446786	20.77338952
MAML1	9794	5725	15.13707166	15.14094574	14.13485827	20.57879445

SMARCA1	56916	5114	16.94558765	17.51637451	17.39360276	12.34998147
WDHD1	11169	6054	14.31445908	10.74779385	12.38950946	5.182767387
PTPRE	5791	5392	16.07190936	5.083163988	14.81187682	23.12614606
DBNL	28988	2237	38.73926475	72.31851995	39.00787056	78.54638044
SETD1B	23067	8195	10.54976804	15.11836153	10.02925835	19.66240084
HSD17B11	51170	1892	45.69521622	56.88593379	51.14609974	71.68463963
SDHD	6392	1382	62.55813971	61.5934049	64.21099839	57.27184183
CCNL2	81669	3136	27.56866999	29.34626875	28.56656212	23.17345721
PIBF1	10464	3114	27.76343901	17.17400268	18.86228762	9.295866218
PPIL1	51645	1750	49.40305662	33.48856919	40.68740833	20.01153902
UBE2O	63893	5395	16.02508787	20.07352823	13.62874828	34.33223533
EXOC6	54536	3637	23.77106106	17.40018765	20.97162465	21.42840589
STIM1	6786	4062	21.28393626	24.57632761	25.33128478	25.16656223
RGS19	10287	1593	54.27203332	75.39662089	50.4006336	98.35526675
LDB1	8861	2305	37.41907285	35.47921705	40.6070062	31.8792526
MTF2	22823	4144	20.76413532	22.96080029	27.12439504	30.72580956
SNX27	81609	7085	12.14489439	10.37893944	9.006068868	14.42859221
DENND3	22898	5458	15.7652211	22.29143383	12.89077053	19.54562308
GSTK1	373156	1226	70.18480974	115.9602389	75.31112619	105.0120366
GATA2	2624	3484	24.69763971	6.395886474	71.68156944	8.889671651
PSMB5	5693	1379	62.39780765	45.89157539	64.35068874	28.18443922
ELK1	2002	2939	29.27750144	26.00599213	28.68411697	29.41038601
STAG1	10274	5166	16.65632535	13.19914857	14.76457585	7.484303683
REXO4	57109	2397	35.81234484	22.96189951	36.49223663	13.17434402
SEPN1	57190	4357	19.70213233	20.86659063	21.96740806	10.31425467
DIP2A	23181	7290	11.77533478	11.49315356	11.76702512	11.96801645
UBE2Q1	55585	3223	26.63425088	34.43086472	30.1554422	49.80641896
HS2ST1	9653	6770	12.67979181	8.22868112	13.85678494	6.847298319
CDCA2	157313	3735	22.98318356	17.48058277	15.49987272	8.129673211
USP36	57602	5234	16.40087707	12.34648043	15.05716775	8.54734022
ELK4	2005	11170	7.685066301	6.443595091	6.696043467	9.06127408
RBM19	9904	4496	19.09301392	14.52179195	22.41611014	9.635181644
MED24	9862	3735	22.98318356	19.80734975	23.70236011	14.63341178
MFAP1	4236	2063	41.51129637	30.24389323	44.85832549	30.41829739
PDDC1	347862	4378	19.56094208	21.02099105	17.61510687	6.79694903
NFATC2IP	84901	3877	22.08867795	23.50749756	23.10671623	22.34706044
ECD	11319	2379	35.99739572	33.34528616	37.21240648	27.48403646
HMG3	9324	1484	57.70741537	51.05331052	56.52294492	29.46403935
DMXL1	1657	11173	7.664709962	5.90338089	6.921169127	10.38143189
KIAA1432	57589	6787	12.61791726	10.2108391	14.47582349	24.06955833
CNIH	10175	1423	60.18116965	61.54128257	64.43962504	107.5447789
S100A10	6281	1069	80.11020057	24.38861002	115.2282656	19.88309692
PTPRN2	5799	4842	17.68645279	9.802429131	13.09075349	9.155704458
KLHL9	55958	4412	19.41020046	19.69735881	18.91602011	18.81138572
FAM48A	55578	3003	28.51741739	25.08073508	27.3692215	32.01921742
TM9SF4	9777	3996	21.43088198	24.64765932	19.77490009	22.44143801
ZNFX1-AS1	441951	1020	83.75825318	98.74546422	76.8496534	103.5959475
DCTN5	84516	7430	11.49844122	11.15662971	12.19934894	7.546809561
RAD1	5810	4683	18.24330947	12.56199632	16.6483188	6.267816598
SMCR8	140775	8327	10.25980764	12.71112348	13.04195597	30.60621334
FKBP3	2287	1353	63.14369419	47.92632022	69.17897212	36.95486264
WIPI2	26100	4489	19.03172605	14.54443676	19.9565023	13.61851562
COG5	10466	5666	15.07825949	19.89998914	14.09559474	23.04387868
PSMD6	9861	1308	65.31606899	46.16793392	78.3433557	42.5595851
TCTN3	26123	2741	31.09413793	23.81976528	32.83739815	10.04389834
C11orf82	220042	3577	23.82695892	16.50843205	26.63948207	9.33764674
LOC100288	1E+08	5762	14.791571	15.08239275	11.5139561	9.766612965
MLF1IP	79682	2554	33.37080347	22.51011459	38.71623662	11.49263317
APRT	353	807	105.6121835	95.26304366	103.9405827	45.40226046
MED15	51586	3384	25.18588418	27.32729438	19.72990088	34.51579608
LIG3	3980	3722	22.89871899	19.03836479	20.83329055	12.6721991
COX8A	1351	521	163.1950977	227.1097036	165.8646207	177.1738225

FXYD5	53827	1608	52.87602357	72.33747602	43.22928264	52.74732188
UGGT2	55757	4947	17.18711257	12.88258497	15.29006359	7.815628224
DYNLRB1	83658	702	121.1177292	126.6527653	118.2833493	117.0742427
KRIT1	889	4997	17.01513826	18.46162327	17.50488117	11.34282202
ZRANB1	54764	4942	17.2045014	15.01482882	15.22002733	13.80382979
SUCLA2	8803	2182	38.96638218	29.92207912	35.24640382	20.96650918
FBXW5	54461	2387	35.53425209	34.82052426	32.39640664	32.39540245
GSK3B	2932	7134	11.88957944	13.36871167	11.99471942	17.05351088
CD55	1604	2930	28.94889411	73.92265173	37.64185851	194.5527912
SEC24D	9871	4077	20.80457683	34.48796274	22.49143646	49.30386581
MRPS34	65993	1020	83.15711739	48.71734186	69.80682802	18.45674927
PSPC1	55269	2077	40.8378718	38.08647236	42.72489156	41.51887127
BRD9	65980	2878	29.40092897	35.84834365	33.03618576	22.4373896
NUB1	51667	3112	27.19019074	38.8811529	24.91693683	110.7764632
SEC23A	10484	3890	21.75215259	21.13759914	19.28177128	16.44409272
SCFD1	23256	2172	38.95758452	30.47021518	36.28416942	25.62980539
PSMB7	5695	1012	83.61252329	60.99274078	81.00641048	45.00641716
IGFBP4	3487	2246	37.67403098	5.258295766	38.94563277	9.10298983
TUBG1	7283	1968	42.89201596	22.53237005	42.94405719	10.08029907
PACSIN2	11252	3305	25.54054082	15.64211282	23.39794937	13.35234255
KIAA0319L	79932	4822	17.50549303	18.85436238	14.41573755	25.02024105
PHF12	57649	4475	18.86290221	19.71882529	17.56378351	21.98445305
SYNPO2	171024	9950	8.483566573	21.23069197	8.239043961	7.568194675
SLC39A1	27173	2445	34.52412573	49.48799502	36.72639001	52.49075628
TIMP1	7076	931	90.44801421	270.4628719	99.17447982	1081.722442
NDUFA5	4698	1550	54.32716209	39.39106814	52.48040847	25.07505915
CCDC59	29080	1617	52.0761294	31.83324068	50.1752309	19.15375141
ECH1	1891	1276	65.99302605	62.51888804	56.62961472	36.48796119
SH3BP2	6452	9211	9.142015116	36.52994832	11.12507972	57.86507395
COPZ1	22818	1900	44.31952697	46.7948638	50.2635327	28.1269578
DAXX	1616	2632	31.91592518	32.00256643	32.67207366	30.07206893
LTBR	4055	2136	39.32711379	28.06273043	32.24664429	22.55527593
ALG8	79053	1743	48.19432878	49.60360395	56.73050391	34.84145662
XRN1	54464	10092	8.323693526	10.20102065	8.144051939	43.22574313
DCP1A	55802	6025	13.94235935	11.76112759	12.83489173	35.04287204
HM13	81502	2011	41.77161366	62.60590098	46.96384303	83.44780079
NDUFA13	51079	557	150.4458329	180.8265233	152.8685078	141.0096927
PHGDH	26227	2021	41.46379461	10.80534543	31.25885386	2.804556241
TEX2	55852	5105	16.41495179	14.36081357	14.52712071	6.978938272
PRRC1	133619	4700	17.82943168	15.31382067	19.06058273	7.14961516
GMIP	51291	3532	23.72546118	50.21937063	25.36374259	97.03059597
SF3B4	10262	2001	41.87822534	50.89182255	46.98736572	56.5505919
STK40	83931	3863	21.69255214	15.92074061	29.15215579	45.06570596
GNL1	2794	7925	10.57392163	8.294718233	9.251206586	8.454757557
EHMT1	79813	5123	16.35727677	14.22336286	13.69247331	9.601837536
PARP9	83666	6801	12.32147168	12.22123091	9.879216896	117.4807708
NHP2L1	4809	1601	52.21358072	40.08483023	50.41272882	19.59804732
GRIPAP1	56850	3260	25.64231372	38.00459286	26.11894443	67.4969859
GNPAT	8443	2687	31.11051088	23.96674577	30.35203494	12.05382139
C6orf48	50854	842	99.28021702	91.30317843	79.0435865	61.78648192
SUN2	25777	4070	20.53905227	29.83877474	16.87163328	31.03577653
GTF3C5	9328	2457	34.02276871	33.37502156	36.37503218	23.06881629
PPP4C	5531	1429	58.35518304	68.76781943	68.16114415	72.52874586
NGLY1	55768	2599	32.08524685	19.63396876	29.99772102	19.16025405
RUNX3	864	4340	19.21418354	25.87734403	15.04308554	30.36432944
SLC22A15	55356	4729	17.63365544	13.28797147	13.67162973	7.448217838
PSMC6	5706	1599	52.15106727	37.62653213	59.06459558	36.33338566
SFMBT2	57713	8024	10.39251702	5.581925428	11.74389376	12.26077111
TOMM34	10953	2066	40.36280569	27.61140721	33.23695423	18.02851442
COX7A2	1347	761	109.578918	129.1316872	106.0588421	99.48540702
KCNH2	3757	4307	19.31394715	5.794581075	67.79557469	9.963993254
P2RY2	5029	2681	31.0276652	26.59696349	34.51798787	10.79721276

ARHGAP15	55843	1774	46.89130236	61.04660924	41.20886552	73.6001221
G6PC3	92579	1848	45.01362034	54.2612057	38.64407432	27.05623872
ARNT	405	4903	16.92449199	15.95232966	14.47923309	15.60638593
SEC24A	10802	6387	12.99213782	16.32780593	14.48923211	25.54527377
PAXIP1	22976	3723	22.28868768	22.44487155	25.25428923	10.11328727
TRIM56	81844	3547	23.39463891	23.24445823	17.21491289	49.42300404
CKAP2L	150468	3273	25.35312686	16.88435864	21.4964331	9.772001328
EPDR1	54749	2613	31.67868276	9.977582899	21.42765471	4.2608448
STX17	55014	6910	11.97921824	13.15712524	10.79356306	19.9499357
CWC22	57703	3279	25.24440319	22.83372433	23.97009187	16.42149361
THYN1	29087	1323	62.5671943	61.47689337	65.3178136	33.6616401
SPRED2	200734	4457	18.57222303	18.34857422	17.39769069	22.16407564
TARP	445347	1027	80.60019285	167.2872443	41.9689302	43.36353442
ORC1	4998	3192	25.93245553	31.13514329	31.57356866	17.88375293
SMAD2	4087	10531	7.86026	5.988191984	7.764429081	4.344214512
SAP130	79595	4173	19.83618453	14.41764315	17.77161544	16.10505212
RFC3	5983	2396	34.46244236	26.31955333	35.27291509	10.89871591
EXOC3	11336	2774	29.76640659	44.18095768	33.13225349	47.65178353
SPG21	51324	1815	45.49422143	47.39031202	31.43079095	81.64073151
DCAF6	55827	3633	22.72832697	23.67558941	25.18202633	25.79811824
LPXN	9404	1926	42.87228032	57.73287107	46.51336387	119.5023973
SLC12A6	9990	7754	10.64895691	31.78397593	13.07927334	51.76894961
KLC1	3831	2624	31.46799234	23.09851	33.65740482	24.53215641
C10orf137	26098	4698	17.57599231	14.4191435	14.43644283	11.33222455
SERINC1	57515	3144	26.19835424	32.88624864	27.82184835	49.44827187
ZNF107	51427	5508	14.95418041	12.17731266	14.07797883	23.63140139
ABCA1	19	10515	7.83334529	25.04880964	8.981862894	45.2408776
UBR2	23304	7898	10.42892197	13.71191248	11.87774551	17.04421295
JTB	10899	1574	52.3301307	60.1676563	58.66038165	52.47203055
GNA15	2769	2132	38.63397079	14.73705842	43.50563332	15.00176376
CCNL1	57018	2625	31.30028173	53.14028977	35.97877651	81.665587
PRPF4	9128	2756	29.81249621	21.83048798	28.51884297	16.08560268
NDUFB4	4710	1560	52.53772653	58.85068341	59.99945467	50.08816737
FOPNL	123811	2250	36.42615706	28.81969389	42.25695227	16.55418257
ERLIN2	11160	4836	16.94765372	14.053757	13.06330514	8.664759022
RRAGA	10670	1657	49.46219275	50.160888	52.78931274	107.7503061
ZNF24	7572	6311	12.98666667	12.07554717	13.72631154	14.0811711
NOL7	51406	896	91.47193458	82.31877081	100.2187763	56.93311771
SLC7A2	6542	7584	10.80681084	2.468083534	12.0630672	0.640597668
RHOBTB3	22836	5566	14.6881903	27.94416348	12.94432332	31.02260512
LOC100129	1E+08	5714	14.30774715	19.53783253	12.5720719	13.28505838
FUBP3	8939	3175	25.74943849	17.2651466	23.75705821	13.58026703
ANKH	56172	8224	9.940961481	6.015181908	8.22119694	4.356749604
LCP2	3937	2472	33.07219548	98.5259403	42.56464853	130.1211421
DIAPH2	1730	4983	16.40667614	13.54972978	14.58598393	15.27458408
TOX4	9878	4538	17.97048943	19.83790318	18.71671972	27.07675624
C15orf44	81556	2708	30.11450556	29.3763916	29.72654877	17.19299796
VEZF1	7716	4652	17.53011201	20.93247705	16.16882525	26.80485374
PPP2R5E	5529	3366	24.22759389	22.90555821	24.66871991	18.28234532
AASDHPPT	60496	2880	28.31600036	20.65844681	27.51103664	10.05115535
ATPIF1	93974	1944	41.94963017	37.02415492	45.86531342	24.7829575
TIMP2	7077	3670	22.22073053	27.38352611	25.50385539	63.81749167
SLC38A1	81539	8487	9.608823029	3.308226497	22.72923143	2.337460654
ORC2	4999	3657	22.29972137	17.85342538	19.58587205	14.8348196
MEN1	4221	3179	25.58845388	18.01446995	28.24662585	11.65287258
EXOSC2	23404	2194	37.0764334	24.27393421	37.46115413	8.211562809
DYNC1LI2	1783	4352	18.69156592	15.41191133	18.93406639	10.74473055
ZNF721	170960	5170	15.69464385	11.12008369	15.65223667	9.201311953
SPECC1L	23384	6795	11.94132579	10.69072189	11.06951803	8.460602955
HHEX	3087	1772	45.79080627	20.37183687	46.74019552	20.3342763
PGRMC1	10857	1928	42.08574103	44.0348822	42.41037482	21.73380427
ATP6V1G1	9550	1611	50.36704451	55.74275106	65.70680661	100.2720252

PELP1	27043	3688	22.00143946	15.22609451	22.17115039	9.166382894
LPGAT1	9926	7802	10.37386857	12.48114371	11.88849144	15.69718817
DLG1	1739	5034	16.07805374	18.14886785	14.8579272	17.33151369
C11orf57	55216	3757	21.54296581	18.56444778	23.61980297	9.860122949
RANBP9	10048	3132	25.84192929	32.15848452	27.86098545	42.52815831
SRF	6722	4343	18.63617834	17.23964588	16.97867412	17.19922874
LOC100129	1E+08	4139	19.50532408	13.99770428	13.83381743	5.233121125
CCDC93	54520	6946	11.62288171	12.1906738	11.16347645	11.86129387
INO80	54617	6249	12.9192729	14.62016335	12.98341308	13.89694066
EBPL	84650	988	81.7130935	51.19738809	69.50156624	14.95678846
MRPL11	65003	1704	47.25830411	41.19266179	51.95323651	18.05703472
ZC3H7B	23264	5868	13.72327032	15.15171118	15.01461239	9.107229008
SIPA1	6494	3642	22.11096931	83.39400036	24.77171694	79.64869869
TOMM22	56993	1396	57.68492135	43.41725663	62.35624762	21.31593328
TRAPPC10	7109	6970	11.55353662	15.53754445	11.24629074	18.09371329
MLX	6945	2568	31.35831394	40.17583062	32.91039897	55.41568951
PEA15	8682	2474	32.54977777	16.21256397	23.99798623	12.10972988
UBXN2B	137886	5088	15.82707355	15.72266781	18.56216359	21.08633989
NXF1	10482	4147	19.36912564	38.4194284	25.78010351	58.47836456
TTC1	7265	1407	57.0886738	44.34481288	62.01891005	36.97527916
SLC9A3R1	9368	2013	39.80098255	95.19925925	49.12134541	90.50470773
LSM3	27258	695	115.2796804	103.2404669	123.4267815	55.63152924
DNA2	1763	4287	18.68891483	15.64558855	19.81256685	9.113312468
ADCY7	113	6138	13.05301041	12.30698601	18.82905905	42.04900623
MYO9A	4649	8704	9.204891759	4.326599692	8.180487658	2.279185268
AGPAT6	137964	6328	12.66109006	11.90225149	13.38893636	21.62482796
EIF3K	27335	910	88.04327239	107.9881472	91.24715518	47.82659949
WDR76	79968	4037	19.8462665	20.03672642	21.40586262	6.769357567
PPP1R18	170954	4615	17.36064526	51.76091832	20.7393276	73.16388806
IFI16	3428	2750	29.13431923	21.79708807	19.05404393	192.2706146
RBBP8	5932	3279	24.37175715	18.21261345	25.7098566	9.075035942
SDCBP	6386	2173	36.77634225	68.70588991	42.00414952	205.9688063
RNF26	79102	2803	28.51052148	19.39749378	19.52292301	8.594018798
MLL4	9757	8469	9.412044579	9.577411412	9.380454631	8.867765752
SBDS	51119	1605	49.66392868	34.4314678	54.89454548	21.56718727
PMPCA	23203	2097	38.01173368	25.82181325	38.08566514	14.86602046
CDC42SE1	56882	3193	24.96417336	38.52290698	43.60684552	64.22187227
RBM17	84991	3760	21.19962913	18.49037171	23.60095739	11.62889213
USP19	10869	4883	16.32410517	18.29938697	17.69720815	16.1677773
C11orf2	738	2546	31.22789449	40.96060348	34.52256902	22.42142158
ITCH	83737	6379	12.46374343	11.56256759	14.07681824	17.42176607
KIAA1147	57189	7296	10.89723401	2.473882602	9.846055217	1.609220676
SECISBP2L	9728	7190	11.05788865	10.75423388	11.34296494	21.56613477
UTRN	7402	12436	6.393230892	5.823465949	5.011981715	12.27334856
FAM76B	143684	3958	20.08747331	18.97286881	21.03238908	22.0431632
CLIC4	25932	4452	17.85853984	11.11160288	13.33580816	18.64237058
EIF6	3692	1259	63.15029338	59.46924708	55.38043785	60.45532365
SPIN1	10927	4535	17.53169115	12.97195783	15.28145573	10.53433554
CR1	1378	9979	7.967353379	11.36605236	8.89263451	12.11043503
TRIP11	9321	8106	9.808317218	9.593955955	9.644135419	11.3625873
PDCD7	10081	2866	27.74117912	21.07036203	26.17100149	11.72477015
MED28	80306	1363	58.33178237	57.22042528	56.42527743	58.21871921
UHRF1BP1	54887	9658	8.210999503	8.675200814	7.131790454	7.377817329
MRPL16	54948	1196	66.3058806	66.51443851	60.77086782	46.88360789
KAT6B	23522	8550	9.275068211	10.52917013	8.87148881	7.481581368
KDM4A	9682	4526	17.52139487	16.24719089	12.18411903	13.19410397
SCRIB	23513	5276	15.03067346	9.249499234	13.37549475	4.182097434
OGFOD1	55239	3020	26.25888517	22.50462545	25.04633926	11.86420819
CXorf38	159013	4260	18.6154538	22.85865804	16.51592149	24.42451539
LYN	4067	3106	25.53182009	41.75422489	36.18914779	183.5285506
ACADM	34	2627	30.18722238	29.60358088	30.8039831	26.04528195
POLA2	23649	2514	31.5440864	35.98650358	29.75131485	22.30421441



EPN1	29924	2964	26.68604826	29.62080897	22.66820314	23.15228898
HSPE1	3336	965	81.96626636	56.57410131	102.2486876	23.07479267
DIAPH3	81624	4812	16.43754095	13.01246559	13.56753767	6.436329184
BRD8	10902	4074	19.41518091	14.16633906	18.87767627	10.13634954
ABHD2	11057	9159	8.636035269	48.75605418	9.135141991	55.25408422
NSMAF	8439	3582	22.02486345	17.97840477	24.36086165	16.6712771
TLK2	11011	5455	14.46252261	14.82827948	14.83447545	23.45280319
ENTPD1	953	12740	6.192547949	7.153733757	5.904032578	9.962550791
EMD	2010	1370	57.58617581	55.95214858	49.19696268	30.88148347
RIOK1	83732	2495	31.62046528	19.29132661	30.31661105	8.113381281
CD151	977	1574	50.1226562	28.88047502	59.46578735	15.94738183
ZBTB11	27107	5132	15.37277102	10.03007603	12.35101879	6.942221333
SPDYE7P	441251	6338	12.44762715	17.19236081	13.80118195	17.02344335
STARD3NL	83930	1646	47.93017063	48.33005374	48.77776994	46.73327334
TMEM50A	23585	2327	33.81550266	36.67594253	51.93591899	90.29701751
HEXA	3073	2437	32.28915663	68.2122211	37.9740359	91.95270878
MRPS25	64432	4574	17.20347064	14.46902216	15.1511591	7.65636058
PPIP5K1	9677	5721	13.7543567	15.50208155	10.89477445	9.659688793
SAMHD1	25939	3189	24.67503126	81.89398135	16.96108464	209.7922208
RER1	11079	3118	25.17135617	25.7279559	25.61438095	27.6570544
ALDH3A2	224	3823	20.52950262	17.25306688	15.19835453	10.80185405
FTO	79068	4313	18.1971455	10.22974069	13.91256022	5.726019309
UBE2G1	7326	4208	18.65120925	14.56249722	21.13851819	15.34572416
SOX12	6666	4645	16.89650991	7.291833817	15.87478616	2.658376887
UBA3	9039	2136	36.74358077	43.29380345	39.17077036	50.32290554
CNOT6L	246175	8794	8.924754211	8.640657891	10.18702966	10.887975
TSR1	55720	4890	16.04995675	11.98466178	17.80149728	4.553614504
UTP11L	51118	2067	37.97014443	25.54975631	38.84286856	14.20037984
FAM204A	63877	2766	28.3746524	26.66580573	25.28389588	13.75872243
SLC26A2	1836	8082	9.685709275	7.968157126	8.391785251	3.406375323
VEGFA	7422	3677	21.28906782	31.33111178	24.24861825	60.22767911
ZNF84	7637	7025	11.1430466	8.500947973	8.752151681	3.976538518
TMF1	7110	6895	11.3531403	12.8302503	9.652603311	17.46848056
LOC10013	1E+08	21017	3.724599246	4.272806392	3.367768714	5.567106761
FAM111A	63901	3799	20.60539678	34.84143583	20.35541528	31.06502424
NFKB1	4790	4093	19.12531208	30.05219692	21.37109485	26.16292903
PSMD4	5710	1332	58.6152524	71.60089269	72.4903423	77.81049387
R3HDM2	22864	3974	19.64658183	21.86833091	15.47153134	26.38604706
CSNK1G2	1455	2921	26.6590654	31.27743949	29.51187355	35.69012818
HSBP1	3281	1919	40.57901512	41.45454323	36.55369503	35.44351118
WT1	7490	3037	25.64080673	4.035494785	32.6980039	3.066094072
NADK	65220	3662	21.26464501	36.75339748	21.52081267	114.1495363
CUTA	51596	1214	64.14425867	44.97035236	67.87566469	38.51817738
PNPLA2	57104	2443	31.87520672	25.53956272	33.38351121	20.63233192
VPS13D	55187	16341	4.765383393	4.800018666	4.654703757	4.955115671
SC5DL	6309	7019	11.09433395	9.587615158	7.64586542	11.01692914
ZDHHC2	51201	4012	19.40955384	17.27342098	19.48538427	11.60484508
SS18	6760	3440	22.57754182	22.67193013	22.04977597	16.53561351
NAA38	51691	12520	6.203414046	7.012466277	6.969697	5.497269441
MAST2	23139	5756	13.49317996	9.020155585	10.31463133	6.470971297
SQSTM1	8878	2931	26.4983773	95.64091348	37.34067089	290.7627134
FAM32A	26017	1464	53.05105455	69.10248557	60.18152014	73.42194415
MRPL30	51263	4554	17.05462096	15.7069152	17.53747031	7.734436134
MAEA	10296	2207	35.19109373	36.7517432	42.41012654	47.05301617
MRPL20	55052	749	103.693917	98.77229818	95.62821642	59.18814551
DPP9	91039	4286	18.12103216	17.98882616	17.59884736	13.64954302
ADSL	158	1565	49.62731237	39.58305838	59.67275688	15.26300692
PTPN23	25930	5283	14.66257007	14.84707648	12.95783886	13.75581333
CAPN2	824	3492	22.18280575	3.06299223	22.20547177	11.4199559
SMC5	23137	5965	12.98614546	13.14955658	16.96653826	10.82561731
TSPAN14	81619	5579	13.88463124	77.44624049	16.24684758	88.64199896
GSTO1	9446	1070	72.2037117	135.9904141	69.9016874	177.6455162

STIL	6491	5019	15.39310052	15.71683013	14.14458653	10.60744988
CHUK	1147	3539	21.83045253	18.82649696	21.91057005	19.84821007
ACTL6A	86	1956	39.49794045	36.56916759	47.52826943	17.59351058
ATN1	1822	4367	17.69131475	17.34900683	16.4983063	17.47553958
RAP2B	5912	6237	12.38704049	5.930772113	11.58560019	4.965787403
WDTC1	23038	4802	16.08870711	16.38066175	14.21178216	25.75677536
NDUFA10	4705	4928	15.67734812	14.78617855	17.27836015	6.531288395
PDCD6	10016	1151	66.94490474	85.95804694	79.1170566	83.71515097
EPM2AIP1	9852	7439	10.35805691	11.74222509	11.07689971	10.47655763
NUP43	348995	3862	19.95173106	12.46293628	19.47627526	7.023684007
APC	324	10848	7.103022249	8.134378978	8.0634118	13.82741403
TFDP2	7029	9946	7.747193379	5.690679864	7.28641395	5.067845051
YIPF3	25844	1593	48.37011008	57.07202472	51.8595993	69.89069342
CFDP1	10428	1281	60.15112049	46.79312427	56.24364061	33.81715587
AGGF1	55109	4514	17.02463429	15.45118084	16.56951828	16.90644248
GALNT1	2589	3852	19.95046708	15.0984763	21.22720733	10.51032518
KRR1	11103	3357	22.89222496	18.32047095	20.45503349	20.08007488
VEZT	55591	4653	16.51605398	15.42061562	11.98778788	11.5723356
DDHD1	80821	12969	5.925607154	3.419207669	6.076738067	2.622256841
FBXO7	25793	2153	35.69400798	40.36449004	37.68385897	42.87392546
C20orf43	51507	1654	46.46263554	52.54216871	47.64765175	48.71021007
DYRK1A	1859	6580	11.64814787	14.62974465	12.23396567	19.0123157
AKT2	208	5263	14.56295136	15.79262615	14.41216594	10.84646387
CHKA	1119	2733	28.04420527	28.45539955	31.54196218	32.4419473
DYNC1LI1	51143	2517	30.45085936	23.46073161	27.11361856	21.31253424
CCNH	902	1517	50.52393739	39.366618	41.36557292	26.15428948
KIAA0232	9778	7873	9.709186695	11.63269826	11.02985354	11.05606644
UBL4A	8266	2318	32.9768882	17.49592262	30.44396475	7.51030294
ZMYND11	10771	4336	17.62924973	16.44521659	14.42349847	7.423014117
AIMP1	9255	3159	24.13296634	19.32768459	22.20529939	11.85480837
CSNK2A2	1459	1674	45.54124294	27.28835148	43.79678148	20.67821718
ATF6	22926	2488	30.64149545	27.76452262	32.18525907	37.83336868
FAM53C	51307	4419	17.25187614	21.68319856	20.98981902	35.13531068
TRIM65	201292	3429	22.23273277	15.59633839	17.12953154	4.663715419
GDE1	51573	2960	25.75541915	22.81023766	24.69747548	20.31127442
TCEB3	6924	4959	15.37326894	12.26725609	16.23300949	15.22604676
RDX	5962	4498	16.94887521	15.90246594	16.48753918	9.990930986
UTP18	51096	1893	40.27260469	26.83880197	41.63191547	14.65016071
ARIH2	10425	4081	18.63064311	26.09998121	21.64102677	22.66846125
DOK3	79930	2354	32.29891865	37.20188832	39.49247876	47.72643116
XRCC2	7516	3094	24.57390256	15.4844949	29.91038315	5.692085028
CMTM3	123920	2346	32.40905989	54.23591773	29.08993091	53.15267672
CAMSAP1	157922	7650	9.938778368	9.204591945	9.5837663	4.604264334
KCTD9	54793	3417	22.19118184	20.73772132	21.33252639	25.59241112
MRPL49	740	2119	35.78445887	30.91685197	30.81028375	29.9965375
ATP6V1C1	528	5704	13.29370062	9.766509675	16.11305596	17.85093234
MAP4K5	11183	4435	17.0974675	17.23373413	16.62646713	15.10799406
FTSJ3	117246	3586	21.14536206	16.77769796	24.27476901	13.03989608
LOC40139	401397	1143	66.34056723	24.36927873	51.57344569	16.29348678
TAF6	6878	2787	27.20748774	21.9874375	27.51932844	14.30874991
WDR74	54663	1385	54.60135897	27.83397434	50.18966533	16.36969866
ELF4	2000	4195	18.02690874	103.9000552	23.5712201	143.4132493
SHC1	6464	3496	21.6312592	22.43624286	18.25171566	25.41941386
IP6K1	9807	4468	16.92544364	10.92219292	13.38262924	13.68252386
FAM49B	51571	2219	34.07971256	69.79212073	42.0855631	102.5371978
LONRF1	91694	3584	21.10013454	13.8648685	15.15072089	6.382383235
MBD3	53615	2559	29.551732	25.77509757	29.31070351	12.18211993
MBD4	8930	2470	30.61655149	36.62755871	32.84750946	41.30532264
WDR12	55759	2299	32.89381565	18.60977619	31.98220833	6.691863238
MRPS22	56945	1155	65.29739914	43.40896456	64.75740738	30.84630293
UBE2T	29089	935	80.66149306	56.24439957	73.2152542	16.67061224
HNRNPU-A	284702	5079	14.84908368	11.3631946	10.81591612	6.496535669

USP15	9958	4611	16.35621254	22.23010952	19.52012759	61.59351436
SETDB1	9869	4449	16.95178602	19.5335462	14.53206046	15.42445146
MAP3K7	6885	2912	25.89920879	26.01755248	23.21810564	24.88651543
FYCO1	79443	8521	8.850897313	6.302391389	7.513118495	6.628054543
FUCA2	2519	2548	29.59909576	51.77274308	33.8320968	47.74715331
DBP	1628	1658	45.4876333	22.17574969	37.84775279	12.57549631
SNX13	23161	6371	11.80569924	16.26388297	11.60723065	16.74462577
SCAMP2	10066	1313	57.28416591	68.563903	68.06812952	73.69458986
NUF2	83540	1989	37.81503763	29.57658561	34.8423337	10.78806409
MRP63	78988	2671	28.15953195	23.86003289	22.54442418	11.67130097
DAD1	1603	711	105.7863711	77.09822848	114.1116011	55.23375445
PTOV1	53635	1884	39.92256361	36.07429344	43.51299756	21.27437095
TBC1D24	57465	6607	11.38400331	3.102861661	8.282541727	2.144698109
KIDINS220	57498	7361	10.2179201	13.56188599	11.53871404	41.60778015
GRIN2D	2906	5109	14.68187976	39.47222151	17.45198068	62.76126814
PRKACA	5566	2689	27.89502554	19.05969412	28.44369045	21.68074099
NEDD1	121441	3977	18.86088098	13.67140434	15.14110058	10.7907767
LIMD2	80774	3232	23.20845411	58.81073022	32.09802532	54.55307538
ZYG11B	79699	8143	9.211558845	7.470627893	10.04141012	5.643049477
ANKLE1	126549	3217	23.31666884	28.81516843	21.21385698	9.438709805
RNF123	63891	4272	17.55845592	15.49187907	14.9363291	9.666546827
LTV1	84946	1835	40.87723361	36.18754226	49.05030427	20.07741311
UBR7	55148	3709	20.22370549	19.22525185	21.8747232	10.04230541
C5orf22	55322	3616	20.74383951	18.24072862	25.94315101	20.88107464
PHF19	26147	4287	17.44934395	21.46720289	20.25613178	10.19935489
MAP2K1	5604	2603	28.73812428	20.7166768	25.48728969	30.4848691
SUGT1	10910	1801	41.53544559	27.83861969	45.40100091	18.65807399
ANAPC16	119504	3277	22.82738404	34.95148	30.17432661	25.07968214
NOP10	55505	552	135.5169158	136.4446512	152.339375	209.0298041
LMO2	4005	2303	32.48169236	20.22233222	30.00005079	35.95024097
TFCP2	7024	3715	20.13602625	16.25508952	19.05259625	14.87566072
ARHGAP17	55114	3480	21.49578664	19.97810277	20.46062201	22.10430113
GDI1	2664	2505	29.86241018	30.5116211	27.66523023	37.57661528
LPP	4026	18278	4.092643479	5.668957129	3.595008249	5.083425325
ZNF131	7690	2415	30.97529503	23.71345755	28.43376706	15.67461589
SNHG13	57291	855	87.49162281	65.67700182	106.2601724	11.36442739
PSMC4	5704	1450	51.58988793	34.57748556	55.6626061	29.73610194
SELT	51714	3498	21.38517367	24.65301572	24.82505344	24.88405119
BCKDK	10295	2190	34.06436134	37.34228096	30.19731977	32.07434495
ATF7	11016	6704	11.12782687	12.8634023	11.12522684	12.92356106
HSF1	3297	2166	34.44180579	29.52584512	36.38467959	22.24287598
SIK3	23387	6072	12.28605918	16.51428	12.10920569	23.06995605
UBR3	130507	7969	9.36139432	8.416694454	10.5788204	10.36403264
NOL10	79954	3495	21.34505045	13.58036104	19.52646006	6.660749425
AHSA2	130872	3059	24.38736559	24.62159119	22.03329156	16.94076133
GON4L	54856	7637	9.768358169	9.832999183	8.936097672	11.37121674
PTPN13	5783	8588	8.686650132	4.436933988	6.568820597	1.508552309
ETS1	2113	5242	14.23139095	16.06843854	21.16072104	13.47723639
CST7	8530	940	79.36271419	3.081728619	61.58726023	1.076749271
TMED3	23423	1435	51.98672567	46.42994616	48.73537004	20.87768064
CNPY3	10695	1783	41.84012975	67.48718439	38.86786412	85.03601702
MED4	29079	2022	36.89463469	29.09388169	41.58819734	22.02490101
AP1M1	8907	2409	30.96760122	30.80252554	30.96036561	18.99083563
IDH3G	3421	1723	43.29712788	68.93199128	36.29732406	48.1693754
SSH2	85464	9166	8.138877519	7.657898286	7.514600939	11.35156399
NAA10	8260	916	81.21895761	126.9854382	86.036262	60.99384954
PROSC	11212	2586	28.76897338	26.5400104	27.37060907	19.56968899
CCDC82	79780	2746	27.09270399	25.31820744	27.69938605	33.24669235
SKI	6497	5707	13.03601983	7.965282581	12.43940421	7.555168707
SLU7	10569	3570	20.839374	23.71888521	23.91009624	34.0783604
DHX34	9704	4390	16.90026856	13.60345319	17.80759948	13.55673934
GTPBP1	9567	5074	14.62202976	12.77972236	11.86759105	44.00453998

NET1	10276	3414	21.73174546	18.40621473	26.24040387	12.74815628
PHF8	23133	6072	12.21873831	12.7710432	9.847428766	16.06895783
ARL1	400	3215	23.07688305	19.47620044	20.24127729	13.60019732
PUF60	22827	1946	38.12547739	26.56586992	41.04092487	17.05978085
ALDH9A1	223	2500	29.6768716	28.43345057	32.70688106	16.68013831
TXN2	25828	1342	55.13248348	66.25204263	51.01062793	37.40861253
TONSL	4796	4519	16.37260297	10.99616922	15.33556135	3.941965023
CDC6	990	3053	24.23445556	18.24702626	26.09051917	5.834831294
RERE	473	8207	9.015205658	14.091649	6.951003481	31.00439634
MBD2	8932	5190	14.25583677	15.4136674	14.69630036	16.49853739
MBTD1	54799	5397	13.70905926	9.372432729	14.71985738	5.62614961
KIAA1267	284058	5357	13.81142297	12.47896312	13.68598324	19.15837848
TUBGCP4	27229	3087	23.96753898	21.65526577	22.17566008	10.03291741
REEP3	221035	5205	14.21475367	16.65358585	16.88654385	17.73440183
SLIRP	81892	436	169.2279969	97.10598647	165.7325422	69.64295744
SREK1IP1	285672	6856	10.76187378	9.7830569	9.707511644	5.550849801
ARMC1	55156	3042	24.25490028	17.06772372	22.85098175	9.449342058
FCF1	51077	2409	30.62823025	25.16002086	33.41614532	16.89007947
DPP8	54878	4096	18.01352702	18.06163363	17.89936821	15.02401717
CHAF1A	10036	3344	22.06441587	21.39033846	22.9987001	11.44110499
ZMPSTE24	10269	3154	23.39359755	20.91264258	26.52782673	20.66648506
ACAP1	9744	2523	29.24431497	37.44790263	36.00968981	32.49452616
ATAD3A	55210	2656	27.77989709	17.95413951	30.54719441	6.783196085
THUMPD3	25917	3980	18.48719108	18.64404121	15.44820743	13.12227303
RAP1A	5906	1906	38.60389323	61.7290963	51.87894455	89.74417062
SARNP	84324	1195	61.57240209	51.83890072	63.47383207	43.1961172
MBOAT7	79143	2615	28.13729273	29.56900253	32.64208168	66.41834203
AIP	9049	1250	58.8632164	57.75823189	49.01806464	58.62339871
RSBN1L	222194	3220	22.85062748	18.40791744	23.42504963	32.43891096
DEF6	50619	2320	31.71509504	47.44799408	32.23914031	36.90836596
REPS1	85021	3548	20.73816812	21.16533674	20.78308391	14.26358955
MCM10	55388	4562	16.08387425	11.96712139	18.47931166	4.881011601
DIABLO	56616	2265	32.39498204	25.2838852	32.18244709	24.93494603
FBXL19	54620	3814	19.23823658	18.9881024	18.66884231	14.59568362
KIAA0195	9772	5472	13.40910715	13.68270871	13.39835749	16.05521318
KCTD10	83892	4057	18.08593402	21.75049129	20.88370454	15.46782044
SMPD4	55627	4913	14.93479225	9.887548397	14.01970938	5.026729347
TCF20	6942	7407	9.906120471	9.83748993	10.12637914	8.417455082
SERTAD2	9792	5565	13.18501965	16.13685031	13.85785048	16.58716289
EMB	133418	4309	17.02822797	19.08221413	17.01457698	18.60334874
DPP7	29952	1633	44.93241539	42.437823	41.01486182	30.24656617
C16orf53	79447	3843	19.09306124	11.77076112	17.70327691	6.320963714
DHX33	56919	5635	13.02123058	8.106601663	14.47309989	4.095277795
C1GALT1	56913	6234	11.77007288	13.15406288	9.015358762	28.93232546
RNF114	55905	2478	29.61042548	31.11384541	25.57926893	62.9833145
FAM162A	26355	838	87.55922951	60.6275085	82.44644029	33.57710257
MPZL1	9019	5026	14.55834623	5.364654766	11.89685385	6.766424388
FTSJD2	23070	4137	17.6867895	14.21992477	15.67909638	54.60735099
PLAA	9373	4954	14.76993302	12.23465689	14.8846148	18.51035021
PHF10	55274	1692	43.24482752	28.57842352	38.33594665	9.810382247
CCNT2	905	6923	10.56915328	9.720564898	10.19342919	11.92994021
BRCC3	79184	2937	24.91326121	27.38937664	27.48068738	18.95401339
NPTN	27020	2454	29.81672704	47.39961754	32.02849683	84.05664684
TBC1D14	57533	5009	14.60775567	10.36534549	13.49792846	7.718888565
RBM34	23029	1870	39.12847495	31.3395701	42.25695227	45.24880466
KIAA0564	23078	7169	10.20647903	8.299111009	9.077375715	3.557823508
BIN2	51411	2228	32.74948922	52.10764307	73.77896963	116.3875105
KIAA0907	22889	2960	24.65062905	23.33720685	22.4133159	18.80673558
SMCR7L	54471	5730	12.73400733	15.82773171	13.12694154	9.361893313
UFC1	51506	1124	64.91624732	89.4106235	71.99471851	69.33728847
RNF220	55182	3025	24.12094611	22.9094099	24.30647833	15.79279724
ORC4	5000	6710	10.87419702	10.19517649	10.04468538	10.5890508

INTS3	65123	4538	16.07885897	21.01639248	19.08919175	15.34498212
YTHDF1	54915	3277	22.26605493	18.97171774	20.69649326	15.87556234
RPF1	80135	1975	36.94474025	30.12472244	38.61964499	22.24155102
TATDN2	9797	4909	14.82205659	15.34272712	15.58058334	18.63879529
ACO2	50	2744	26.51657282	30.29030299	25.40961051	19.6232061
C22orf13	83606	3619	20.10540918	23.45931276	20.14181892	22.9333611
TTL	150465	5181	14.04390578	7.311630266	10.88844456	4.6885666
PDZD8	118987	3853	18.88436954	46.78734543	27.74723313	17.49514959
KBTBD2	25948	3710	19.61225763	20.42132421	21.12847614	26.84501363
SGTA	6449	2358	30.85728406	25.04268934	29.74832094	15.62428035
USP37	57695	8032	9.058948683	7.795814792	9.996041997	6.225090781
AP3S1	1176	1313	55.41620398	101.8275787	60.98775671	90.96194146
TBC1D10B	26000	3326	21.8765712	26.32989931	19.69280698	32.92664307
GTF3C4	9329	3866	18.76800043	10.49031263	13.99092057	6.440442355
RHOQ	23433	4542	15.9747005	22.32251686	14.46709837	25.89413681
ASH2L	9070	2662	27.25660768	35.57621751	27.70036879	26.38723345
SENP1	29843	4726	15.35274855	13.10780498	16.54154924	12.07891226
N4BP1	9683	7121	10.18917142	8.605390859	9.969341359	37.2962601
ERAL1	26284	1856	39.09325951	33.25681771	38.24982749	20.61371503
TGS1	96764	3708	19.56771566	16.34587116	20.74100678	10.42716096
SSH1	54434	8537	8.499131973	8.900778435	8.662254478	11.14461352
EFTUD1	79631	3685	19.68984794	15.29896044	18.7490141	15.60103041
BTF3L4	91408	2345	30.85403134	35.34915084	33.15684102	23.56634524
NDUFS3	4722	971	74.51359782	56.68349447	76.81104095	36.48305975
KIAA0922	23240	5034	14.37280562	12.74847302	12.12977672	16.72832876
PNKD	25953	3129	23.12326733	15.31129026	20.86512984	17.01463437
TRAK1	22906	5123	14.12311214	21.18280646	14.43483632	19.0061064
SNRPG	6637	606	119.3939001	108.8423675	127.9562829	76.82943644
PRDM2	7799	7970	9.078130927	10.0931743	9.914742879	10.41352996
TMED4	222068	1048	68.84381424	68.46576764	63.90960816	62.00349715
ACBD3	64746	3581	20.14753346	17.11225588	21.41758402	19.78500476
RNF130	55819	1865	38.68542484	6.690954609	45.42905593	19.6459111
PPP1R10	5514	4540	15.89169985	16.98240285	15.96270334	16.0516279
GOLM1	51280	3100	23.27365075	19.76741558	33.87371819	16.3249083
TMEM214	54867	3064	23.48039528	21.89054769	22.13525078	13.60977342
PNPO	55163	3482	20.66166891	23.03841657	18.38577906	19.88244432
FOXN3	1112	7907	9.098764532	6.594517292	10.84881916	5.862679855
SEPHS1	22929	3275	21.96761257	13.06377877	23.03165185	5.748361605
BTN3A2	11118	4096	17.51453735	20.78175917	13.77271272	29.60324436
DNAJC11	55735	3316	21.63436218	17.3374043	23.44776604	8.790638198
GOLIM4	27333	2838	25.27820472	23.94783962	22.18564443	7.632095961
LSM5	23658	3022	23.73909496	16.66452242	24.82001664	8.641073237
TMEM170	1E+08	8362	8.579232837	8.660681959	12.02721196	16.77627386
VAMP3	9341	2225	32.24249213	34.75188387	23.26506361	27.93063412
CTNNA1	8727	2445	29.34132719	15.22006477	22.46790918	1.738652811
KIAA2018	205717	13708	5.233407133	6.24217617	4.778105925	4.947014086
MRPL17	63875	2366	30.32102493	37.4841118	27.95102718	28.31950703
ARL6IP5	10550	2135	33.60166041	46.54959129	40.27770392	33.27987396
SHKBP1	92799	2379	30.15533627	35.40594991	28.50878873	38.12027348
TXNL1	9352	1434	49.88504799	49.41477946	55.54697004	34.44396273
C20orf11	54994	4440	16.11152226	12.99857328	16.84567692	10.25821941
C4orf46	201725	3525	20.29366208	9.671886742	20.49911727	4.019863945
CLPP	8192	1194	59.91219331	48.52303018	54.32531134	27.2956842
C5orf42	65250	11217	6.377387788	5.939821052	5.650836089	4.583839814
KCNQ5	56479	6652	10.75393247	8.14015971	9.846403491	2.038895643
PCCB	5096	1885	37.8412587	33.809097	40.35146636	15.571451
CCDC137	339230	2109	33.82208281	24.09001997	28.55199478	12.28586745
PLEKHA2	59339	5656	12.61152275	40.5007072	12.51421412	36.25538157
PLAC8	51316	1442	49.46655523	62.12117841	46.00791614	101.9163346
REV3L	5980	10719	6.654610752	6.13262823	6.465286102	3.04049323
ORMDL1	94101	2185	32.64566254	29.06513279	32.39377348	25.94054079
PRDM4	11108	4225	16.88302311	15.40050744	15.35252586	13.36749178

SLC39A11	201266	2799	25.48437751	10.429111	25.43871546	10.55899035
UPF3A	65110	2402	29.69640826	59.7436507	29.55523723	32.02454951
PSMG1	8624	1146	62.24325711	34.80545425	73.37812829	13.07132274
NDUFA4	4697	2058	34.66023938	44.06846584	36.24077782	34.42667737
PTAR1	375743	10057	7.092649164	6.912975802	6.659766267	5.434602068
CDK9	1025	2472	28.77281006	39.48249026	24.61570035	35.86724999
ACOT7	11332	1814	39.20969486	21.12856768	35.6412001	3.905738811
METTL16	79066	5758	12.35262009	8.784824494	10.01749563	3.972640068
TMCO3	55002	3102	22.9292026	14.58253869	22.5452147	13.70408163
ZNF282	8427	3736	19.03811201	16.70052241	17.87098089	11.5952293
KLHL8	57563	4576	15.54335369	10.8591977	14.0825726	10.30723887
ADH5	128	2644	26.90105389	15.33870977	29.24743671	12.63266354
PEX19	5824	3722	19.05480933	14.24883906	16.40550673	15.77226498
SLC19A1	6573	2873	24.6856945	19.00243918	24.48932319	8.807381785
CBFA2T3	863	4372	16.22186649	10.1426588	15.89951658	5.232036028
YY1AP1	55249	3091	22.9446782	24.3666928	23.03557573	25.86845709
CRCP	27297	2925	24.24683771	31.15848481	25.35417136	25.19114739
BRK1	55845	1197	59.2497914	55.66163136	57.36637213	52.42518589
RSU1	6251	3769	18.81719297	7.331189416	18.38721192	5.04863707
CTSD	1509	2141	33.12564237	559.4234846	36.31611031	2028.070579
RBL1	5933	4270	16.60936775	14.71635061	15.48761834	8.343672103
KIAA1524	57650	4284	16.55508877	26.47568547	18.79073158	17.81411796
GLB1	2720	2588	27.40417323	32.2883527	25.63501355	39.73487727
FBXO9	26268	4688	15.12841304	14.97275932	15.00806859	9.067845823
BABAM1	29086	1451	48.87801538	51.13941008	53.73127288	38.78375183
ATP5G1	516	663	106.9713429	80.99951285	101.6588822	32.9748374
C2orf28	51374	1278	55.33459636	52.83122338	55.3837207	34.37172399
GMFB	2764	4125	17.14366403	18.96103572	18.13207407	28.85531428
ATP6V1B2	526	3054	23.15573482	23.93225953	26.15115907	54.61734875
C4orf41	60684	4561	15.50484853	17.97904582	17.46423044	19.35079681
PPPDE1	51029	4093	17.27769708	11.0518043	20.1838118	10.68278387
DPAGT1	1798	2150	32.89191355	30.16014477	29.38332263	13.18141433
MTMR6	9107	5222	13.54224706	13.99638464	11.57170466	18.76207768
IER2	9592	2088	33.77070305	29.88177765	36.63078717	44.20860225
TERF2	7014	2979	23.67010003	17.95228074	21.77389115	13.72629416
RPAP1	26015	4698	15.00920136	9.913161156	13.35708261	6.463245944
SRP54	6729	2298	30.68460747	32.58128028	34.84635533	48.88947735
ERLEC1	27248	3121	22.59315219	17.34967715	22.20487079	17.96629127
APOA1BP	128240	1121	62.90207669	50.09262851	53.90494358	20.40540724
SMARCB1	6598	1717	41.06769247	28.81121492	41.83856661	15.68027884
NCF4	4689	1646	42.83914215	68.2306641	60.33039966	88.42427246
RIN3	79890	3869	18.22518169	28.85478807	21.29776607	76.28360873
CCDC90A	63933	5472	12.88618932	9.447584587	13.97753721	5.918972601
C5orf13	9315	2304	30.60469964	24.08217817	31.82109904	12.47608444
CES1	1066	2027	34.78698963	103.2263892	43.67455107	188.9469209
LPCAT4	254531	1908	36.8494978	22.89056929	27.13038078	12.62528024
UNC119B	84747	4811	14.61418454	14.03415163	14.05344495	6.10105698
RPA2	6118	1741	40.38417106	42.23709705	50.72776005	21.27770357
MRAS	22808	4454	15.78555047	7.954736613	16.98247521	7.135458348
PURA	5813	5304	13.25581482	11.38530497	11.35297077	11.22060439
PLIN3	10226	2345	29.98244853	38.19988881	29.28253622	40.39944898
GATAD1	57798	3955	17.777204	22.98754371	17.62932269	19.44954941
SPOP	8405	3105	22.64374937	18.73086336	22.52343189	17.27653742
METTL21A	151194	4805	14.63243326	17.11243718	16.00575508	15.62978318
ZWILCH	55055	3289	21.31482385	18.15723913	25.76016701	10.52457755
PHKA2	5256	5325	13.16515599	18.16138689	15.39502111	19.23549383
ZBTB33	10009	5324	13.16762878	12.72372956	12.50088276	23.53558718
ARPC1A	10552	1631	42.98249886	59.84102754	41.32424211	60.81553823
PAM	5066	5359	13.08163009	14.30387079	12.97120479	19.45341751
C2orf3	57136	2251	31.1436942	20.09552866	40.26706469	13.4892623
ATP11C	286410	6128	11.4066693	12.47252136	11.44688981	9.579694885
EDC3	80153	4086	17.1072123	14.83369805	16.28847279	12.28643123



ANKZF1	55139	2594	26.94682709	34.27534357	27.93780769	25.75232258
PPPDE2	27351	3804	18.37541258	21.32258077	18.99563312	27.56523423
PIP4K2A	5305	3833	18.2363865	15.58026598	18.41093407	14.41770926
HMHA1	23526	4349	16.07267636	38.0695987	13.79739532	36.02665899
HIRA	7290	4013	17.41840754	16.32514561	19.90172933	27.64291475
ANAPC4	29945	2701	25.87932968	22.77001888	26.20525548	18.28679843
FBXO45	200933	5743	12.17135112	9.079374583	13.79623638	5.357685386
GNPNAT1	64841	3945	17.71864879	10.788604	16.5493007	3.643206406
SLC1A4	6509	4611	15.1594165	3.527821728	12.05115859	1.931656901
POLR2G	5436	852	81.80244519	87.09305636	84.06752829	60.82369591
FANCA	2175	5460	12.76477716	13.26385028	11.72514335	11.97518731
MRPS10	55173	2167	32.1622904	30.02637007	33.54035898	22.41944029
CHMP2A	27243	928	75.10310701	101.5713638	68.75861846	64.78596153
ATL2	64225	3444	20.23684184	15.91662034	22.45360704	9.698246919
TSC2	7249	5675	12.28117767	10.9551223	10.90862292	7.455089402
FASTKD2	22868	6945	10.00594631	9.304748535	9.218039265	3.789165181
UBE2H	7328	5174	13.43086531	16.02121351	14.98676216	33.9598479
LSS	4047	4390	15.82945265	23.70452478	13.52414987	8.991714869
VAV1	7409	2888	24.0620835	54.08785042	26.55691426	58.31745636
GGA3	23163	4091	16.98638405	20.20799952	15.39057905	14.94341643
KIF18A	81930	3463	20.06679097	15.37886562	16.59528013	8.359031881
NFRKB	4798	5068	13.71177923	12.17929236	13.96613951	10.22529379
WDR41	55255	2608	26.64543602	23.66742856	20.41555209	15.44606738
C19orf10	56005	1067	65.12773865	54.29849862	60.19734532	46.67057197
PCMT1	5110	1751	39.68663457	18.32547493	39.21618929	23.69955277
RAD18	56852	5739	12.10860727	8.852736038	13.54814291	4.444334681
MESDC2	23184	4243	16.37786876	14.96755012	17.12985103	12.88140302
TAOK2	9344	4920	14.12424739	15.80662743	13.7420983	14.60614763
CTSA	5476	2300	30.21360745	53.09230923	47.8605916	132.7229241
SPARC	6678	3178	21.80204876	8.694541507	11.90055767	2.356786636
HEATR2	54919	3424	20.23566325	12.88576857	17.15454546	2.956028957
HAX1	10456	1196	57.9321998	66.70075346	58.47429432	69.22525497
ZZEF1	23140	11412	6.071408252	6.092165934	5.517250165	6.917915926
CNN2	1265	2478	27.9608196	49.6382736	33.84989922	38.39449782
TTI1	9675	3931	17.62577231	14.79504724	16.93073005	7.415353922
NMI	9111	1501	46.02433364	77.93948001	45.88862905	163.4535522
GOLGA8A	23015	6526	10.58573779	10.75579156	11.00778714	7.816744325
LOC646214	646214	8226	8.398070119	9.31855623	8.142143126	10.4585785
TRIM13	10206	7311	9.44912116	6.918755223	7.398290098	5.094639691
ACAT2	39	1567	44.08584863	46.64270619	35.3264885	30.48705275
MAN2C1	4123	3254	21.23003221	26.02225575	18.31048024	17.1697499
SAMD9L	219285	7133	9.68491866	21.99273939	7.434806547	227.317425
PDE4A	5141	4794	14.41020542	1.440928917	12.78109737	3.589164237
MGAT4B	11282	2922	23.64220561	31.80055768	30.73101423	38.2411815
RFC5	5985	2486	27.70641136	26.98014405	33.91094923	10.66700766
USP28	57646	4642	14.83803073	9.93674402	15.88504561	12.86439349
IQCB1	9657	2594	26.55286763	24.39648515	20.44428493	16.23176696
RWDD1	51389	1323	52.06208513	46.14977749	57.33275082	22.49209588
CDK2	1017	2325	29.62500586	21.66029538	31.715433	15.84604433
LIMS1	3987	4690	14.68617028	23.85117436	21.30867636	45.10408567
BAHD1	22893	4544	15.15804107	13.38761508	12.83331737	10.7362139
NFKB2	4791	3128	22.01986529	29.99122771	24.72193819	32.2281246
PRKCI	5584	4884	14.10281299	9.991883284	12.80513705	7.336181151
IRF7	3665	2051	33.58271021	17.16604787	25.23879402	237.8613163
LRRC47	57470	2694	25.5672378	17.61817441	21.01867708	9.993704073
MCRS1	10445	1937	35.5591836	29.68034727	35.34138497	19.7517063
SNHG3	8420	2346	29.35982039	22.70119849	33.14270766	6.64408459
C3orf17	25871	4857	14.18121034	14.45178005	15.00787372	12.21158263
GNB5	10681	3084	22.33402679	5.057810613	18.97726294	3.41319743
CEP192	55125	7995	8.58958755	10.36819997	7.901706522	7.469232592
KCMF1	56888	7555	9.089841491	10.1461871	9.76020936	8.359735968
UQCRH	7388	546	125.7761034	119.1705933	107.1902544	61.17355749

APOOL	139322	6468	10.61746327	9.095211622	9.1138603	5.383080462
MLLT10	8028	5137	13.36845483	10.45409325	12.70916707	9.221014976
NIP7	51388	2328	29.49903456	17.70792383	26.22907905	9.477983704
IFRD2	7866	2129	32.25634216	21.14241537	27.39060316	4.944246535
ZNF33A	7581	6130	11.202896	12.32304733	11.20188376	9.54354672
ZNF516	9658	8626	7.937556955	5.011539629	7.519640823	5.890290355
CDK2AP1	8099	1627	42.08319994	27.25488891	38.56888391	16.54765751
CHTOP	26097	2175	31.48016841	32.27231986	33.7084194	24.94295875
VAPB	9217	7949	8.613582374	6.924100281	8.638513957	5.882635217
FBXW11	23291	4575	14.9659817	14.02750015	13.11581907	12.74306285
FAM98A	25940	2745	24.94330284	13.47549205	20.01239998	8.18564801
RAD54L	8438	3164	21.64012841	13.73336711	21.63598694	5.822069067
BFAR	51283	3060	22.3756099	18.64221153	23.40703729	17.59675737
PFDN1	5201	1324	51.71402288	51.66890802	45.16131984	78.73932358
RNGTT	8732	4463	15.34155642	11.33386051	13.53964637	7.166426248
WIZ	58525	4185	16.360661	15.01524901	13.93419215	8.948468255
CHCHD8	51287	833	82.196118	65.53902492	81.41945786	41.55502469
ADAM9	8754	4111	16.65516086	7.913785447	18.34800774	20.18872143
RFT1	91869	5112	13.393851	13.20780584	12.35800932	6.335801657
-	151162	5251	13.03930038	11.41534797	11.82969336	7.517354461
NDUFA12	55967	600	113.7749669	102.1316472	117.2630426	60.72865889
PTPN1	5770	3318	20.57413506	26.52770056	24.96191273	35.87346938
FAM53B	9679	5740	11.89285368	13.82028498	11.37404029	18.23270421
IMP3	55272	1255	54.39440648	41.19297439	57.40884751	19.35574785
BUD31	8896	1060	64.40092465	59.91256146	75.94291894	56.90924638
RC3H1	149041	10996	6.208164799	7.052180274	6.45613676	8.413058419
SLMO2	51012	2581	26.44904306	29.35417002	24.55847672	19.05858725
CTSS	1520	4107	16.62161678	31.84874262	16.05085112	132.4881382
TMEM165	55858	1983	34.42510344	31.91350603	36.3328813	38.07663433
MTO1	25821	3048	22.39664702	14.47535157	22.32076547	7.239089915
MMADHC	27249	1466	46.56547075	55.02416908	54.91097823	42.52939276
CEBPA	1050	2591	26.34696261	28.29484882	41.50673236	14.45362395
REEP4	80346	1731	39.43673029	29.22184832	33.32220673	12.62987706
TBL2	26608	3041	22.38099111	40.96135178	21.26048569	69.16264012
C15orf24	56851	1075	63.31218043	65.29515878	66.82494778	83.60782805
MIER1	57708	5646	12.0546571	16.7341584	10.8898097	22.73111922
GABARAP	11337	924	73.65865147	109.4870551	81.40408555	134.9525753
GLS	2744	4348	15.65331048	20.80728381	19.68038831	29.61010967
THOP1	7064	2568	26.50334656	20.7387117	26.73969916	6.779159741
MSL2	55167	4696	14.49331217	11.5781889	15.34244115	12.37161066
FEM1B	10116	2583	26.3494363	16.73617532	20.77674386	20.92470244
ATP6V0A2	23545	6550	10.39093038	8.266922503	11.96742694	7.108189081
GTF3C6	112495	957	71.11869797	64.96376076	70.64903201	37.43982105
NBR1	4077	4995	13.62574454	19.04896024	12.98587022	25.491042
LRRC41	10489	2960	22.9934439	24.76755178	21.27123611	17.98607803
TNRC6B	23112	18297	3.719767938	4.615706811	3.741392725	5.27728959
NDUFA9	4704	1621	41.86070808	35.32880936	37.01719446	36.09003171
CLK2	1196	2175	31.19825646	38.11207298	34.38841633	20.56863389
SLC4A2	6522	4943	13.72773777	14.06510169	15.38792516	16.25819514
PRDX5	25824	913	74.32224292	158.8872703	75.67373162	113.2980821
SMC6	79677	5275	12.86373607	11.78584247	15.78126938	7.32965172
C19orf6	91304	2754	24.63914589	26.05378522	26.31469613	32.85610085
RFC4	5984	1486	45.66366608	34.78949048	46.35183863	14.57596792
FBXO11	80204	4070	16.67228693	20.69551716	19.46726917	28.94683003
AKAP10	11216	2929	23.16702212	29.59437158	22.07345066	38.01156525
C11orf48	79081	1357	50.00457464	51.23345441	63.99265801	39.23271257
HLA-C	3107	1543	43.97680349	142.971068	58.60653134	559.9263688
WDR48	57599	3705	18.31476594	12.32947378	18.93293948	13.05816417
IFIT3	3437	2552	26.50933449	30.91017649	18.2969954	1127.160714
AKAP17A	8227	3287	20.58163116	17.69374223	23.39752149	28.51370963
PSMG2	56984	1141	59.29169292	45.11336562	55.36734763	32.46668004
NKRF	55922	3747	18.05492971	17.84088749	18.55155764	9.562292165

TMEM14B	81853	989	68.40426858	47.09002135	65.37223152	31.11141271
DCTN2	10540	1757	38.50416712	37.28674406	35.83543477	28.57277064
DHPS	1725	1361	49.7074369	41.58670237	41.76017693	28.70592987
RSBN1	54665	6604	10.24406748	8.064356701	12.18950546	7.755073036
ATG2B	55102	11099	6.095307832	4.135826025	6.301041176	3.228210536
DHX8	1659	4201	16.05509056	22.86143469	16.79816955	24.86391176
FASTKD1	79675	3020	22.3335879	27.96476408	21.26839982	17.42765045
UBE3B	89910	5753	11.72387197	14.37005493	11.45851652	13.82835792
MAN1A2	10905	5388	12.51808379	11.58002074	11.05833384	8.152758586
AZU1	566	912	73.95552133	168.1018499	41.46926785	14.20553424
FIBP	9158	1450	46.51547273	49.79157921	39.92553422	36.71640756
ISG15	9636	685	98.46340942	32.53031894	52.1271893	1573.921349
SYVN1	84447	3074	21.94126072	23.92153089	28.31793158	32.39915438
FAM175B	23172	3008	22.35473713	19.55712393	24.79505344	23.68848396
ZFAND5	7763	5887	11.42229477	13.47518868	14.8584833	25.85807796
GFM1	85476	3468	19.38957592	18.05535883	22.72468742	10.4483179
MAPKAPK5	8550	2066	32.54745851	24.05212425	31.80520851	15.18706377
SENP2	59343	3207	20.96758631	17.09287198	24.5741241	13.31851889
INSR	3643	9059	7.422789412	3.173133495	7.836591215	0.983206752
SYNRG	11276	8181	8.219416854	11.03132103	8.057798013	18.13719063
FAM105B	90268	7896	8.516090335	7.930089211	8.081053436	6.460495626
MMS22L	253714	8643	7.756411329	6.780631272	7.749308036	2.904220642
MAD2L2	10459	1196	56.05239391	36.7040459	45.75481036	18.11027453
CCDC72	51372	491	136.5349554	129.3428007	155.774101	79.56979745
NSL1	25936	13233	5.066021546	4.900197329	4.805918021	3.686643692
RNF111	54778	5556	12.06599408	13.11488263	10.60987193	19.60164296
IGBP1	3476	1679	39.92773265	50.69808551	39.13612911	44.12683969
PPM1B	5495	3850	17.41263977	18.75267269	13.82954802	23.29246397
TMEM59	9528	1709	39.22683623	44.20145122	40.92174138	70.35853985
EGLN1	54583	7102	9.43940624	14.37022946	9.430761666	17.78592094
LOC100506	1.01E+08	4382	15.29864517	10.11951261	12.92202557	7.668459893
CTBP2	1488	4752	14.10746278	16.646802	19.65232839	11.28864661
ITPK1	3705	3385	19.80462721	37.45695646	17.97636965	56.57243851
GRAMD1A	57655	2672	25.08932003	22.60017124	23.64301783	21.97019845
EXO1	9156	3478	19.27506128	11.53245637	22.17335765	3.899578441
LRRK1	79705	7647	8.766661844	5.857116468	9.919083213	3.785448856
SLC39A7	7922	2475	27.08632853	28.54059033	30.81769651	27.23588338
C5orf24	134553	5083	13.14858882	11.26657485	12.51164926	8.880904277
DDX47	51202	1836	36.40211163	28.5216127	37.63078266	15.98702894
SLC23A2	9962	6971	9.587473383	6.936550364	8.759330947	14.05473672
LOC219731	219731	3163	21.13002749	18.73964405	22.24401692	7.295886935
ENOPH1	58478	2032	32.89088433	18.53283648	33.06523332	12.15370142
ASF1B	55723	1746	38.27850914	43.0095159	43.32184683	19.245814
DRAP1	10589	1022	65.39557432	62.35826598	63.67485959	110.9199249
MRPS30	10884	1686	39.64073366	38.72477855	42.48252319	24.37310746
PRIM1	5557	1471	45.29564295	52.11043069	52.28256501	21.60525594
TAP2	6891	5679	11.73268019	15.26358767	8.854688009	56.21241713
ATP6VOD1	9114	1688	39.47268411	63.23273459	41.68117626	101.4542761
TRPM2	7226	5879	11.33354155	8.641920755	10.02695159	9.847704508
ZBED4	9889	6897	9.660706218	6.300184649	11.058982	4.402541604
C13orf27	93081	1177	56.6099327	81.78735753	68.93232656	22.35832811
AAGAB	79719	2864	23.26462667	26.29799143	31.57467802	25.30360787
CCDC43	124808	2147	31.03395006	24.70152723	31.49097514	14.89695405
SNX17	9784	2043	32.51370759	46.24623511	35.67951183	24.57286246
RIC8A	60626	2714	24.47513066	21.51148246	23.66638447	20.95892059
SDAD1	55153	3031	21.91537599	18.67354072	24.25836257	14.96010073
MEGF8	1954	10966	6.057405126	4.023424364	5.664574124	2.879710252
NIPA1	123606	6565	10.11812713	5.77022946	10.68492624	7.986150115
VPS41	27072	4894	13.57284524	23.03909654	15.41247646	28.62296141
C12orf32	83695	1896	35.03454885	24.56330755	27.85927761	12.49165452
FTSJ1	24140	2051	32.3868867	23.46750849	32.655909	12.53460049
KIAA0196	9897	4173	15.91792586	13.83025769	15.94888565	10.18693056

CSNK1E	1454	2820	23.55514348	9.640279269	17.90675814	6.67584548
SLC7A6	9057	6362	10.44097841	10.33254354	11.3911778	6.427323219
FAM91A1	157769	5347	12.42294831	12.83569607	11.97293486	15.25693506
QSOX2	169714	4549	14.60222128	11.07060601	14.49128282	4.894960414
PI4KB	5298	4251	15.62585383	20.23369003	13.76755561	27.90480209
TMEM85	51234	1013	65.5730549	50.59379812	71.33207146	43.36333984
HMGXB4	10042	4264	15.53028106	12.33314109	12.48681047	10.01700049
TTLL5	23093	4773	13.8741082	12.65192909	11.1109313	6.192041482
RAB3GAP1	22930	4939	13.40779884	16.51280879	14.20257963	27.09161337
GEN1	348654	6367	10.40067825	13.68424372	9.789383478	8.011948086
RAB11FIP2	22841	6077	10.89700814	14.11725911	9.665486862	12.09176851
ARL17A	51326	5273	12.55852806	11.8748311	11.17929991	8.484122646
C21orf59	56683	1427	46.40582932	29.98169269	47.67602884	18.01574323
DHX37	57647	4568	14.49674222	14.09777712	16.74366979	7.622102546
IRAK4	51135	4351	15.21974683	26.88741887	17.09313629	23.96020787
TBK1	29110	3098	21.37544172	29.70622944	24.41573421	54.69107756
NME4	4833	1059	62.53174546	41.66276825	52.07301484	9.557547826
CDK5RAP3	80279	1884	35.14921361	44.82674497	35.6627145	25.89456262
ELOVL1	64834	1501	44.1180003	63.83614553	44.19947706	48.4156974
C10orf2	56652	3684	17.97533074	13.60948807	17.83647144	5.329967347
STK35	140901	6414	10.32446499	11.36050638	9.355296574	11.1092859
DUSP7	1849	3248	20.38827538	25.10984071	17.17339193	13.89828708
METTL3	56339	1975	33.52968023	29.78624242	34.23348032	14.34938775
MBD6	114785	4214	15.71455113	34.15992272	20.5568942	39.39052388
USP13	8975	7933	8.347550542	3.426898719	6.685046653	0.969657985
VMP1	81671	2197	30.04858092	24.95076943	36.73681331	38.60614182
DNAJB12	54788	4377	15.08264388	20.31305488	18.63283479	25.85280658
NHLRC2	374354	6409	10.30062916	9.526627496	7.846118459	9.159677057
PPM1A	5494	8210	8.041014894	6.893971002	8.904327336	6.533940156
MAPK9	5601	4341	15.20772455	17.14492437	16.15907412	9.186474546
ZNRF1	84937	4633	14.24924072	6.012105675	13.59008394	3.62650456
FKBP15	23307	4336	15.22526113	17.16469481	16.22643578	47.71270709
S100A4	6275	564	117.0509438	58.86891849	196.6746449	23.32956754
WBSCR16	81554	2386	27.66837061	31.56640714	27.36252777	17.56193405
TIMM17A	10440	1675	39.2909529	35.65322956	42.38309243	24.1706105
CCDC25	55246	3653	18.01597211	11.34598395	16.36835135	8.145919205
TGDS	23483	1952	33.71534124	24.42940294	29.87427978	16.69623306
ZDHHC16	84287	1973	33.35648561	26.99291011	37.80208858	28.42006844
URM1	81605	1745	37.71481152	29.37049713	38.38238931	21.34493455
CIRBP	1153	3312	19.87087745	31.62178799	22.07262302	24.63128979
ASNSD1	54529	2487	26.38036186	21.50375727	28.54510648	8.383664208
COMT	1312	2304	28.47567706	31.52927744	31.17917485	18.27482791
FHOD1	29109	3865	16.97489261	12.04968463	17.27451089	6.494483572
PARVG	64098	2232	29.39424729	40.43335005	35.49811179	41.35643437
DHX16	8449	3477	18.86912854	22.11023188	24.61039067	26.25695059
GAB2	9846	6118	10.72375939	1.711856192	9.669783129	6.816009442
HSD17B12	51144	2556	25.66821594	32.69258872	26.12127723	23.99684878
NCOA3	8202	7996	8.205097542	44.6445674	9.538994354	67.11342117
AGPAT2	10555	1576	41.62941621	45.66938907	45.44767392	36.09296351
PAK1	5058	3484	18.83121698	49.95187336	27.59315913	78.14776713
RPS6KB2	6199	1782	36.70234219	37.26382719	36.51835382	22.60569233
PDE4D	5144	8395	7.790777102	4.140786042	7.021852105	4.099214616
C3orf26	84319	1230	53.17363721	25.90656416	52.39174977	7.899662945
ITSN2	50618	6112	10.70084649	14.21870861	10.92375402	19.64010401
GABPA	2551	5182	12.62129945	15.30845924	13.33271265	8.945621308
CCNC	892	2321	28.17904945	19.00942334	35.41136242	23.63559753
C14orf2	9556	942	69.43054541	73.33135061	72.67119181	40.39981554
CCDC144B	284047	8713	7.506435645	7.570122195	6.620078027	6.110270969
FBXL3	26224	3572	18.25285207	18.83971747	20.40684285	20.85493325
LRP3	4037	3714	17.55497782	6.839775461	14.44973866	0.49053844
MELK	9833	2501	26.06924734	16.30483059	21.88034914	10.44115287
COX6C	1345	921	70.79173464	74.03561513	69.9694378	66.37732531

GTF2F2	2963	1469	44.38338162	38.22589282	44.29932369	33.07210831
NCS1	23413	5009	13.01640799	2.580214756	8.394024259	0.282891204
UBQLN2	29978	3418	19.07524506	19.7537459	20.52268601	19.78093629
GMPR2	51292	1956	33.332918	33.83502422	30.78535633	38.49874081
RPE	6120	2492	26.16339792	31.92265989	20.60280779	27.29377927
RNF167	26001	1723	37.84050354	39.96244898	38.38196768	26.43441333
SECISBP2	79048	3477	18.75156388	15.18876798	20.59980848	14.72950887
PER2	8864	6342	10.28054046	10.40026406	9.061724234	5.936891913
DCUN1D4	23142	4278	15.24057681	8.80288072	12.98922212	4.258671731
CNOT3	4849	2908	22.35034437	18.23733802	21.50628933	14.89675952
SLC35B2	347734	2059	31.56619788	29.97797653	37.86502037	22.12068682
SLC25A1	6576	1620	40.1202478	48.55551711	31.17102344	24.99121765
BRPF1	7862	4728	13.74678541	8.719130008	15.41735251	7.7066826
TMEM135	65084	9098	7.143855951	14.32810734	6.618614749	13.55014042
LRP10	26020	3252	19.9861013	44.0594761	24.55892983	155.4942496
SHCBP1	79801	3249	19.94164828	19.82106676	21.46013273	13.39556957
SURF6	6838	2352	27.54694527	20.085259	23.89530039	7.229602248
SNRPE	6635	1593	40.67194932	26.71754098	42.44263882	12.32617684
RBM23	55147	2624	24.69146923	21.9945371	27.21579624	26.07505933
FAM35A	54537	3417	18.9611985	7.955981135	19.16835704	3.554501544
CLK1	1195	3333	19.43906849	15.91184488	20.22197386	25.08344446
TRUB1	142940	3412	18.98898455	12.01676846	15.79062548	7.950019823
CENPC1	1060	3349	19.34619745	17.56578942	17.28636148	12.75380415
AMFR	267	3594	18.02738321	13.08227504	15.7552354	10.41996095
IL10RB	3588	1935	33.48341874	65.87095384	42.47533445	91.95605713
CD81	975	1497	43.14364001	39.59485247	42.48277433	36.64543878
ETV4	2118	2431	26.5676796	12.46616418	22.77112607	4.08021978
MORC3	23515	4246	15.21102899	21.93689643	15.67468201	26.55508165
AHR	196	6247	10.33872725	10.41574259	12.48024283	34.08918902
SLC25A10	1468	1960	32.95205566	29.21836734	30.72252908	8.159122537
FAM199X	139231	7626	8.469188185	9.934843012	8.505693907	10.24620261
BORA	79866	2803	23.04175137	24.00837345	18.31687371	13.79376126
OCRL	4952	5165	12.50455549	12.77027583	8.795009427	6.505942159
IL1RAP	3556	4965	13.00826367	22.66475444	15.27718617	39.9149762
METTLL17	64745	1802	35.72788176	30.54365879	36.58204525	17.07502063
PKN1	5585	3097	20.78838971	75.04504042	21.28538765	81.37679509
TMEM173	340061	2191	29.38459285	177.0660448	24.49398877	89.34217731
NR2F2	7026	5110	12.59914735	5.145647123	12.19745687	2.178784239
DCAF5	8816	5999	10.7320625	16.90096209	12.4326589	27.06250177
VAC14	55697	3107	20.72148147	16.35206055	19.31280085	16.61389123
EXOC1	55763	3582	17.97365799	15.36562622	15.21816539	19.15784046
PRPS2	5634	2558	25.08884158	12.02146618	20.23642163	4.194186762
MAF1	84232	1828	35.10790852	31.572027	33.17216986	21.15093699
NADKD1	133686	3898	16.46415002	10.51852591	14.30969138	3.946791581
NFYA	4800	6236	10.29141385	9.07625111	10.16443688	6.297498302
SLC35A4	113829	2676	23.98253242	21.4005979	31.81904291	24.1310939
STK25	10494	2198	29.19802401	22.40492417	30.18353734	16.02485084
RAB5A	5868	2548	25.18730642	25.88637154	28.02757038	44.72819853
TGIF2	60436	3456	18.56980809	13.0243641	13.63324704	9.723145616
COL23A1	91522	3080	20.83677168	17.29123755	17.62992976	4.994997917
SSBP3	23648	2106	30.47353123	24.33595322	35.61542748	33.93038396
HSD17B10	3028	963	66.6430496	37.71726647	68.45362985	22.91250889
HECA	51696	5621	11.41740914	11.13965209	9.998531671	15.62962578
LRCH1	23143	5595	11.43393576	8.523001704	9.365258412	9.51542287
GMNN	51053	1215	52.65256839	41.99891754	53.73414919	21.82566341
ATP6V1F	9296	832	76.89046947	78.20570186	83.54890203	119.4622256
MEST	4232	2507	25.51769868	19.46563939	27.72743777	6.378891174
UXT	8409	734	87.15649945	80.75407921	93.84037085	41.91987353
KDM4B	23030	5675	11.27275253	9.384495446	11.42985405	12.62728061
TROAP	10024	2618	24.43577945	18.12962638	20.25686597	9.819887546
OAZ2	4947	1936	33.04383812	30.73157377	31.10338687	34.2957991
TRAF3	7187	7793	8.209017143	8.263652751	8.458981848	6.182223711

DDX58	23586	4759	13.39955546	14.56208551	9.545329627	356.8771087
SAMD4B	55095	4543	14.03664636	11.13427679	13.48725089	12.65458884
NSMCE4A	54780	1420	44.9073834	31.69873403	48.20863569	19.81521968
TTC13	79573	3289	19.3884112	14.49869095	17.47323049	12.98646704
C6orf89	221477	6751	9.445783503	13.59903216	9.952385441	12.0239926
NME1	4830	1031	61.85110032	40.20065893	75.2099975	14.52932673
JAG1	182	5988	10.6493795	4.465584865	10.19727723	1.487453235
ATP6V1A	523	4607	13.84165063	18.91199907	17.56502357	17.79546115
GUSB	2990	2321	27.47457321	73.15747771	26.67231154	91.75147084
MKRN2	23609	2778	22.88124487	14.7592563	22.05636458	16.3225577
EHBP1	23301	5177	12.27817235	8.221178827	8.284876677	5.904338093
CDK19	23097	6139	10.35414534	14.33766256	9.361370759	13.98107801
CD63	967	1031	61.65285961	97.25965871	87.91577364	162.7677278
DDX11	1663	3947	16.10440797	14.33987888	15.63089696	5.487683896
RP2	6102	3831	16.59203818	23.14993697	17.42782161	49.24659365
RRN3	54700	3762	16.89635786	14.09733625	16.23107284	7.425620172
GTF2A2	2958	1582	40.05038691	38.4534279	41.93641913	27.12700313
RDBP	7936	1568	40.40797965	44.05493129	45.27530601	27.75650863
AVL9	23080	2353	26.92720446	26.70582962	21.01174422	28.4759684
FAN1	22909	4901	12.92791514	11.77589581	12.97627284	6.939002036
PLCXD1	55344	5320	11.90972032	11.51860682	13.30458554	5.13682265
RABGGTB	5876	1526	41.52012588	38.55034651	49.01363402	26.79595696
ZFAND6	54469	1709	37.074144	41.59369598	36.96556094	70.24009112
KIF18B	146909	2669	23.7391203	18.61809243	19.94895461	5.612490018
PDXDC1	23042	4032	15.71421431	24.09599468	19.07431873	23.29538502
CNPY2	10330	1247	50.80971299	45.03114399	57.43827915	26.46022828
ELP3	55140	3232	19.60387132	20.68372693	20.5924195	15.28237703
MED23	9439	5227	12.12162083	11.2972377	12.89455498	10.68880164
COPS7B	64708	1977	32.04841279	26.37473355	37.51186203	20.37599582
RECQL4	9401	3840	16.44669946	10.67739948	13.26031966	4.744426476
FNIP1	96459	6655	9.489906225	7.232435748	8.222802884	14.90460449
SCARB2	950	4780	13.21241128	10.48898621	18.21115516	79.82811855
GNE	10020	5329	11.85125275	9.073877386	12.33056123	5.811900175
MRPL47	57129	1222	51.68193611	42.48773776	49.27672421	35.28424534
C12orf29	91298	2895	21.8153112	12.23847906	19.92426247	3.216486251
STX6	10228	4548	13.88639532	6.957396929	9.941719202	9.435998009
CYLD	1540	8730	7.234287048	10.41417358	7.599474807	20.98489358
ZCCHC17	51538	1602	39.4228002	22.25544916	42.20419703	21.60757526
NDUFAB1	4706	804	78.5514004	54.32239578	72.53058972	26.18482804
CCDC18	343099	4331	14.58215791	11.88509586	12.78148406	7.431583747
LPL	4023	3747	16.85490417	4.043934498	7.21762729	3.187430722
KIAA0586	9786	5600	11.27773677	8.236851025	8.187284503	3.036432944
IFT74	80173	2183	28.83689407	20.00696574	19.16371175	15.30039505
GOLGA2	2801	4304	14.62614771	16.15329871	15.61072354	19.65968046
C18orf10	25941	2079	30.2794323	26.15256136	27.23632325	13.33946812
ABCB7	22	2404	26.18591504	28.82735647	26.89398377	19.7881792
PDCD10	11235	1454	43.29500671	52.41318995	44.02976801	57.08104114
CLPTM1	1209	2531	24.87196355	26.41240831	30.21931395	29.8324638
VDR	7421	5060	12.44089719	13.4316144	15.07387329	26.80382177
RNF34	80196	2105	29.90543456	24.66509052	36.73644782	27.21490177
AP1G2	8906	2876	21.8883657	40.05719681	25.19842599	40.11976769
PFKFB3	5209	4553	13.82625516	25.44981245	14.84979654	20.80753522
LUZP1	7798	8487	7.417337075	7.535404798	7.518321896	8.610441796
KIAA1549	57670	12427	5.065658627	3.783511425	4.641565933	1.205418513
RAP2C	57826	3933	16.00583264	21.81301389	18.37258794	36.85203811
DEAF1	10522	2737	22.92530274	17.42279669	23.39031154	5.547009398
FBXO5	26271	2269	27.65383587	22.88233387	33.15001104	12.13324168
DHX40	79665	3682	17.04143226	11.98285486	16.52634744	8.24669458
PPTC7	160760	3748	16.74134301	15.75524585	19.39219795	21.17185546
C16orf57	79650	3113	20.15629733	21.90388742	23.3478824	23.92991377
RAD17	5884	3164	19.83140126	15.07149006	24.17354096	11.26026545
PFKFB4	5210	3503	17.9122334	26.27173817	21.4119584	36.0014792



PPID	5481	1851	33.89873236	22.75277008	36.5268091	13.56087467
SLC7A11	23657	9648	6.503581425	6.998165783	4.730255851	6.777002771
ALG10B	144245	10091	6.218070914	5.299756648	5.192609337	2.126395746
PDE12	201626	3993	15.66295202	14.34209867	15.34499895	11.1531054
PIH1D1	55011	1256	49.79471928	38.67637363	50.29788507	29.9775227
E2F8	79733	3736	16.74040884	12.52539181	19.28482431	5.039048248
CNDP2	55748	5089	12.28967723	12.65447944	12.91207718	17.42264531
VKORC1L1	154807	1148	54.47923991	30.86271505	53.9254661	17.10418093
SLC25A30	253512	3671	17.03682033	12.01876099	14.84921505	12.73796441
FAM102B	284611	5359	11.67049215	3.783872796	9.817112442	2.077549443
DST	667	16652	3.75583518	2.622820455	1.877861199	0.887419349
SEC31B	25956	4631	13.50511065	17.08175407	13.23096109	11.80215785
SRPK2	6733	3737	16.7359292	12.87981266	15.32196155	18.09238433
NARF	26502	1796	34.82303309	31.51419929	47.40966527	47.22588729
ERCC3	2071	2751	22.7343393	17.09112922	22.42644504	18.32235074
FAM117A	81558	2385	26.13743449	32.32708969	26.04516555	27.75439756
SAMD1	90378	1617	38.55150356	22.60022282	41.55136309	12.14322802
BRAT1	221927	3013	20.68960546	26.6985062	18.65308547	12.83236403
MYO5A	4644	12238	5.093788303	5.80843491	3.159430571	3.639021887
DDX60L	91351	6754	9.229757366	31.67299043	8.477668097	232.610365
RBM38	55544	2401	25.9632575	25.70789407	38.63140785	27.23220439
ACER3	55331	4387	14.20966065	26.92074833	14.59295252	43.14360311
PDK3	5165	12795	4.872042302	4.319070404	4.574121055	4.113443092
CDK8	1024	1772	35.17933479	20.24608479	34.1012651	14.73663844
ARFGAP1	55738	3274	19.04025084	18.98910172	17.81142154	14.6535249
SLAIN1	122060	2374	26.25854307	13.61025244	18.51189148	3.410764329
RINT1	60561	2990	20.78039969	15.94856005	23.24839013	11.17082354
EXOSC9	5393	1644	37.79403594	25.88871216	30.715972	32.13742897
PI4KA	5297	6738	9.221340915	9.722886511	9.281728905	8.68238964
MMGT1	93380	3704	16.7746747	12.9344026	16.25706182	8.853530183
MRS2	57380	3348	18.55836173	14.64253006	22.97122256	10.76234696
C11orf30	56946	5518	11.26012959	13.48787907	12.0613809	10.74875985
BCYRN1	618	200	310.6669754	65.735642	174.3099281	7.085010203
ZDHHC7	55625	3279	18.8865535	23.37738443	17.20434013	34.32462574
PECAM1	5175	6831	9.065877458	8.383545598	13.6093244	23.32184382
DDX49	54555	1836	33.73039701	29.73529835	36.71015189	18.74341324
RAP1GDS1	5910	3770	16.42679282	10.5210127	13.39444508	3.436458151
INPP4A	3631	6752	9.171950373	10.65979816	8.574055778	18.28815261
EML4	27436	5565	11.12830349	11.13162378	12.79478249	49.10673225
INO80D	54891	14136	4.380942906	3.625602539	3.333085865	3.723224701
ABL2	27	12244	5.057906641	3.767262801	4.59014591	7.539003717
DCXR	51181	860	72.01047549	47.67583022	62.15702863	25.42129907
KCNE3	10008	3070	20.17231561	27.87223158	26.22133358	47.40923533
HDAC6	10013	4099	15.10832128	17.01552338	14.32963251	15.11179118
SPTY2D1	144108	5752	10.76651754	9.491308721	12.63594539	10.27629137
IKBKB	3551	4187	14.74196865	16.01925916	15.2395505	18.90367457
MON2	23041	10379	5.947068383	6.376462797	5.49637591	7.216367597
NDUFS8	4728	824	74.90852275	65.17315173	73.07786042	34.39325341
PAK1IP1	55003	1511	40.85018051	20.20389001	45.44510089	10.58364009
POLH	5429	8412	7.337686965	6.039687604	6.605788426	3.778094565
YEATS4	8089	1404	43.96340652	31.42512221	40.93266032	16.72489181
COG2	22796	2977	20.73383364	15.26969019	22.21435348	8.703693133
C4orf3	401152	2975	20.74777235	25.46659254	23.15254864	39.26099292
RPF2	84154	1078	57.25846266	28.31918164	60.95506566	12.20582198
FAM3C	10447	2552	24.1867644	17.81264408	28.81155837	14.1985762
HAUS2	55142	3953	15.5629235	13.35981439	16.8899531	7.220457798
C20orf27	54976	1376	44.70947426	22.83387249	38.8481429	6.473015967
CDC73	79577	5942	10.35345617	10.01284531	10.20510375	16.79525908
HCG18	414777	6814	9.028505515	9.843357515	8.62007098	4.961200486
STRBP	55342	6426	9.573644037	6.27648863	11.37636592	3.055648881
BAG5	9529	5073	12.12699322	11.94766218	13.20269453	8.858507309
C7orf73	647087	2515	24.46132667	25.60582342	20.66642199	17.62700636

SCAMP3	10067	1595	38.57068124	30.31642169	33.38166763	25.00218558
ATMIN	23300	4866	12.6428764	10.12043225	13.80775876	7.737724725
DGUOK	1716	1144	53.77643058	45.18984516	49.12740081	40.16726564
PARG	8505	4276	14.38733316	9.692909112	14.52706264	8.852712201
GSK3A	2931	2200	27.9637439	24.91674566	27.27494192	26.03971283
NPAT	4863	5962	10.31872469	8.33473477	9.107712793	8.148763353
DDX52	11056	3822	16.09634657	12.06864619	17.41357923	11.91692678
BID	637	2506	24.54917661	31.12188334	22.8484319	33.19962597
FAR2	55711	2235	27.43438497	68.79398321	30.91280401	59.77765081
XPR1	9213	8500	7.21362946	4.168281985	7.158824856	4.858292711
RBM41	55285	5141	11.92683338	11.13946703	11.178653	11.81261601
PITRM1	10531	3508	17.47886272	14.67341795	14.99712246	6.866885602
ZNF121	7675	1729	35.46318705	31.83324068	35.31596069	17.2105511
AGTPBP1	23287	4436	13.82232877	11.55354317	12.90761279	9.081006251
TBRG1	84897	5162	11.87831275	14.89292449	10.88759134	11.76456003
TANK	10010	2089	29.35177138	45.65456633	30.74704043	150.1016317
NDUFS6	4726	554	110.6784303	108.1985419	118.6093155	56.27083916
DCAF15	90379	2274	26.96387441	28.90749428	25.82988727	27.77388093
ATP6V0E1	8992	894	68.58596243	94.46710013	90.75318609	148.538405
HDGFRP2	84717	2344	26.15863925	21.57978645	25.50920967	13.47222808
DRG1	4733	1467	41.79676238	25.36677461	40.32701648	14.3507851
ATF2	1386	2117	28.96355712	20.42018934	25.05076764	24.47887998
NDC80	10403	2209	27.75728855	19.46885838	27.92899516	8.79727064
USP20	10868	4511	13.54720999	9.928922552	14.80070596	20.41789684
COX6B1	1340	590	103.578753	119.3476752	119.2505518	102.5868305
NADSYN1	55191	2453	24.91294914	49.68996272	29.02689139	29.29565689
GYG1	2992	2051	29.79593576	63.23189786	25.44482499	96.72368878
TMX4	56255	2368	25.80720618	12.04500999	28.37354481	7.095268423
ALDH16A1	126133	3119	19.59328767	24.00505998	18.08689685	14.86252312
TMEM129	92305	2858	21.38259771	18.32249157	18.48187206	11.19095883
KIAA0317	9870	5445	11.22340941	13.42316264	14.59009555	17.58472951
PREB	10113	2211	27.6397396	20.55986779	29.62382452	16.29685102
TMEM209	84928	3560	17.16614164	18.96581558	19.11058797	10.91751171
MAD1L1	8379	2754	22.19007416	13.02689261	21.4813846	7.350358132
GFM2	84340	3111	19.64367221	18.26497416	18.67673075	12.16785515
GTSE1	51512	3128	19.47157228	14.60380447	16.81902352	6.212650525
ZNF326	284695	2729	22.31846027	18.78032887	23.92341197	16.5414571
C21orf33	8209	1668	36.51503482	55.70817119	36.73416115	23.05844362
DCTD	1635	2042	29.8271685	22.69794242	28.24717916	16.75341716
LLPH	84298	1234	49.35743766	45.14438508	51.02338646	31.49622503
C3orf23	285343	3702	16.45247922	15.16851339	14.32535794	13.23278899
KDM4C	23081	4687	12.99489611	18.39902902	13.56874614	24.35883907
TSG101	7251	1562	38.99300773	36.94856936	40.7149252	45.2289841
NDE1	54820	3936	15.47435927	13.19106086	10.7360143	17.94910396
GOLGA7	51125	2042	29.72707733	23.02531659	35.9039237	27.06321233
NDUFA3	4696	414	146.6248597	148.01688	132.1805633	101.2144315
DOCK5	80005	7555	8.034770603	21.82610016	5.537310754	26.47249723
ZFX	7543	7740	7.842725053	6.017058283	6.333083286	8.133769558
TMEM164	84187	5584	10.87082591	14.0467595	15.55122438	17.0019944
WIPF2	147179	5525	10.98691256	15.12439037	11.12830146	18.94221215
ORAI1	84876	1496	40.57666571	21.59808776	38.69787742	18.13199708
RBCK1	10616	2778	21.85122099	28.7163791	17.4929788	71.7026642
HOXA10	3206	2648	22.92397731	15.56799346	16.99533768	9.632189098
MRPL23	6150	758	79.81306826	86.42850833	75.53848328	36.0526339
ABHD10	55347	2666	22.69253779	18.13754411	20.60541559	8.200419054
C4orf43	55319	1923	31.4603774	19.6991973	35.48880807	9.895118626
RBM12B	389677	5115	11.82762576	8.059442166	8.591833893	5.857179221
MID1IP1	58526	2454	24.65293632	27.33196337	30.8231233	10.47614735
ZNF558	148156	3014	20.07243057	13.15999266	18.71699777	9.201311953
APAF1	317	7204	8.397876977	9.217676298	10.7930028	12.44808249
CCDC124	115098	1066	56.75263203	41.80725793	55.69513878	15.76134674
FOXN2	3344	5472	11.05597693	9.325417545	10.73413079	18.53378296

SNAP23	8773	2650	22.82954934	36.57819542	32.60961034	49.65236261
MAT2B	27430	2119	28.55040384	28.18270859	33.60215412	34.48646509
BACH1	571	5770	10.484975	15.4862923	10.36284012	60.06208204
ISG20L2	81875	2051	29.39732792	37.48282605	35.74637357	23.4900387
RBMS1	5937	4305	14.00555623	22.87852419	17.86472779	22.52344375
NBAS	51594	7299	8.260572623	6.930130078	6.57098792	3.605391449
CCDC99	54908	2683	22.47257532	13.37162216	21.02610186	7.846664833
CLDND1	56650	2500	24.11756783	20.32234085	26.79090774	20.89065866
AKAP1	8165	3968	15.19504021	16.6787569	17.94429551	6.172855952
AFTPH	54812	4135	14.58135903	18.64573372	16.96409692	32.45715505
SOS2	6655	5313	11.3483756	11.99513417	11.69164687	21.29827487
EXT2	2132	3678	16.39312658	13.87403067	17.92301401	10.45717345
ZNF800	168850	4242	14.16537798	19.69878755	15.63965466	18.08593566
FKTN	2218	7456	8.059218536	6.156589734	6.149248017	3.203675674
POLR2C	5432	1822	32.9799854	29.96378033	35.60067055	19.66515299
DTD1	92675	1368	43.92509752	30.94898399	39.07532502	9.322381847
GRB10	2887	5040	11.92252647	7.516181827	20.49965244	4.05661015
ZNF37BP	1E+08	8688	6.916382758	4.411512635	5.179978611	2.609580185
ARF5	381	1096	54.82621661	46.35570449	60.33953495	46.35916478
BCL7B	9275	1729	34.63571269	49.23197546	40.20398293	54.09030346
FAM118A	55007	3255	18.3978947	15.12934664	17.46101407	9.639469665
VASP	7408	2298	26.05968113	59.63537908	35.67384134	88.00105922
NKIRAS2	28511	2493	24.02131859	28.51328778	22.20481648	33.77874328
TNKS1BP1	85456	5822	10.28600949	1.263050257	10.08882921	1.043089297
NR1H2	7376	2087	28.69436858	27.44034498	26.11953447	36.66416397
CYFIP2	26999	6791	8.818310593	29.33476957	10.01821428	26.2313944
PRPF39	55015	2894	20.69286359	15.93861981	21.31829659	10.00253193
SUPT7L	9913	4261	14.00628047	16.21171844	12.84270199	17.81526018
ABCD3	5825	3616	16.50463525	10.59934231	15.95153204	5.598143334
UNC45A	55898	4035	14.79077102	7.676268446	14.92345898	8.929947362
STAU2	27067	4225	14.12562392	17.08823429	17.75292078	12.7925459
ZNF12	7559	5074	11.76207353	13.35063779	11.20134032	12.64681702
KIF1C	10749	7935	7.521204924	6.178095859	6.683361702	4.719513503
TAF4	6874	4647	12.84285799	9.734244675	10.77565923	4.007629738
RGS18	64407	2158	27.56087808	19.61918911	27.21833348	16.69709806
VPS33A	65082	2628	22.63180171	20.68918382	21.8681336	20.72045819
CLCN6	1185	5644	10.5379828	9.199152294	6.663481134	6.133121114
TBC1D15	64786	5852	10.16342702	6.66365684	8.917863304	7.61010763
PMS1	5378	3538	16.81073344	9.888279114	16.12404906	3.776230909
KIAA0141	9812	4988	11.92389232	15.90385641	9.911915429	9.658794985
PPIE	10450	4392	13.54197971	9.792055591	14.48012595	6.683102261
ATP5I	521	373	159.4540882	160.1049853	156.3393945	87.91816568
CBX2	84733	4265	13.94522272	4.440979649	12.43434352	0.901793293
KIAA1274	27143	4601	12.92683654	4.746273224	7.071908987	1.715871692
ACBD6	84320	1617	36.78192635	23.42706024	32.01284263	9.639469665
FBXO18	84893	3727	15.90340454	9.924933101	15.70321409	10.42831813
MRPL9	65005	1314	45.1080584	36.63003037	49.04250549	17.87043235
NPM3	10360	904	65.56635922	33.52350124	61.70262942	10.076658
SASS6	163786	3908	15.16683437	11.4039245	16.59785613	7.666190306
IL8	3576	1718	34.50057551	173.0260777	63.82816714	441.3844707
TCEB1	6921	2235	26.51990547	20.23938926	29.1166472	18.38615623
SASH3	54440	2707	21.89582147	61.16168628	23.64953184	177.3776368
AURKAIP1	54998	1032	57.43409761	63.69732752	58.75845592	34.52275182
THOC7	80145	1028	57.45875736	41.61855591	52.82119034	35.83857301
INTS2	57508	6162	9.585784253	6.834692862	8.02347195	4.664865066
SLC35E2B	728661	6020	9.811894114	10.36431092	8.493507018	9.583426236
WWP2	11060	4527	13.04784682	23.82394951	14.18832946	23.83357278
TIA1	7072	4653	12.69452022	16.37841783	15.57504258	23.18817622
ZIC2	7546	2991	19.74844619	15.34721934	20.3443702	16.91983141
REV1	51455	4751	12.43266735	12.61671063	13.11913378	9.62932499
C2orf68	388969	4283	13.79117501	13.2149199	12.72740332	7.703923573
CENPN	55839	4659	12.63430273	8.848260716	12.28979831	6.821492055

TAB3	257397	6798	8.658902088	9.505954483	8.764681186	10.21375404
LSG1	55341	3589	16.40100763	15.21148168	17.36667724	7.839958749
RC3H2	54542	3991	14.74898933	16.52680398	14.9291663	25.86788276
ZNF692	55657	2208	26.6590654	21.59700839	21.91313875	6.967660138
ATRN	8455	8658	6.798708293	5.945293391	8.248354047	5.330767008
NDUFB5	4711	1076	54.70559145	66.06284984	63.22833937	63.40011786
DUS3L	56931	2127	27.67429074	19.48607398	26.52234663	6.471632666
PPAPDC2	403313	3023	19.47178842	25.57821423	17.82256505	20.28976033
NGRN	51335	1777	33.12505143	23.44947217	29.24932543	15.94825032
HERC5	51191	3525	16.69878479	3.097532355	9.470352424	187.9573528
COL4A2	1284	6264	9.397065197	3.272766123	6.374971248	4.782801998
NAA35	60560	2657	22.07709079	18.2828473	21.2318522	12.26610724
RIOK2	55781	3980	14.73839955	10.69372934	14.7049947	7.73095155
MAGOH	4116	772	75.98294071	64.65611578	73.34755964	41.69195494
DCUN1D1	54165	3192	18.37682651	19.96558516	17.60706345	28.7281563
MRPL32	64983	908	64.60223593	54.97193985	75.15966731	47.04018732
FAM123B	139285	8443	6.947628832	3.66857079	5.630589992	1.534460172
FBXL12	54850	1876	31.26803317	33.61495191	31.87291443	34.42153906
PARN	5073	3087	19.00188864	18.33479168	20.19080162	13.31164858
TYW3	127253	3539	16.57497322	10.6410635	15.34336922	4.919152929
TCHP	84260	3172	18.49269553	13.41773102	17.98451626	8.74298683
PRMT3	10196	2743	21.38491806	13.32284371	15.48240504	4.427900757
ARHGAP25	9938	3020	19.42345372	15.19984538	21.68817087	59.45509981
CCDC85B	11007	1277	45.93487097	28.61751002	33.09080053	16.16894598
KIAA1279	26128	2548	23.02151893	12.24355411	17.49650104	9.533541426
C6orf115	58527	941	62.11949422	88.32793986	61.07274717	131.4389323
PDCD5	9141	604	96.77888089	49.06746204	97.2469597	23.79544581
MCTS1	28985	9805	5.961697507	5.908872823	6.852478747	4.831040687
MAPK8IP3	23162	5653	10.34042881	9.972876214	10.764198	10.7785402
ARPC4	10093	1988	29.40364389	52.23341604	30.60865758	48.67253345
MANBA	4126	3311	17.65461917	25.17046937	20.42015211	43.83615063
PIGY	84992	1353	43.20358024	32.60966118	44.97413989	28.12758776
STRN3	29966	4233	13.80922373	9.528163463	10.03265699	9.325213389
GPN1	11321	1849	31.61408548	27.11592973	39.08025332	13.90398356
OXR1	55074	4716	12.39492028	15.78161932	11.78284399	10.30172331
IKBKE	9641	3492	16.73953152	20.61138522	16.51796674	30.43389263
SLC37A4	2542	2621	22.22436394	17.59876602	17.89592408	6.101442264
TRAPPC8	22878	6283	9.271058076	8.547298587	8.844165564	8.827870197
MXD1	4084	5630	10.34636908	10.96352641	13.54774402	50.01395175
ZCCHC8	55596	2874	20.26793942	15.89446777	19.77578316	19.01732533
WDR46	9277	2363	24.65089204	23.57518882	27.62885792	13.96356524
CLIP1	6249	5898	9.876239046	7.102839052	11.3201059	17.46970011
HAUS3	79441	5620	10.36477898	7.811038949	10.71461868	6.591544826
INF2	64423	4725	12.32805458	4.52739423	10.19532817	1.713683496
PRKRA	8575	1906	30.56141547	18.12123092	34.36425814	5.522718192
DCK	1633	2618	22.24983113	23.74725708	24.13068894	16.08296543
TBC1D4	9882	6363	9.154495976	0.770441469	5.180013008	0.190880587
SPHK2	56848	3012	19.33932865	20.93680272	19.92193633	14.51681089
USP3	9960	2345	24.84010998	18.62482141	25.85873199	25.29281742
C16orf58	64755	2774	20.99857891	22.33146588	16.8327081	11.96767611
PARL	55486	1423	40.9346858	40.71433453	45.28591161	20.34246479
CPSF4	10898	1829	31.73628853	19.73695731	27.95566553	10.84637975
NFYB	4801	3482	16.67021014	11.39121708	15.53385954	5.871716013
MAP2K2	5605	1759	32.99924487	35.3441268	35.19410749	32.91339102
HMGN5	79366	2126	27.30276186	20.12411828	20.07503377	7.141187545
VPS13B	157680	14111	4.113505189	6.727143626	4.536835284	6.641950503
TSPYL1	7259	5259	11.03739717	10.9318944	8.798509743	11.12415695
SMAD4	4089	8789	6.604354503	4.969303244	5.601245807	4.053644314
UTP14A	10813	2577	22.52451367	25.85447138	30.17182467	12.01847731
OGFR	11054	2423	23.9561171	67.68669252	22.32311139	120.6385795
NT5C3	51251	1755	33.07445682	37.32923608	35.51510234	497.017647
ZNF621	285268	8287	7.004425211	6.184568299	6.424974039	3.615237326

ZNF367	195828	3714	15.62888307	9.179698644	12.17418927	3.052239183
ECI2	10455	1481	39.19356632	18.80762025	34.80991342	8.611086
RABL3	285282	3883	14.89603027	9.813131365	10.82813997	5.4738683
LRIF1	55791	3349	17.27121098	17.43271526	15.39369417	25.62849743
DLGAP4	22839	4894	11.81881601	6.647644457	14.5490324	9.05842276
EIF2C1	26523	7478	7.734860331	48.80983386	8.984829381	40.52367048
SYAP1	94056	3533	16.37171966	12.10978643	15.48903289	16.329529
FAM134A	79137	4625	12.5062239	11.37048943	11.87762983	11.24847952
BOP1	23246	2422	23.88162079	15.548606	26.08346146	6.352020473
AKR1B1	231	1416	40.84836551	21.7167447	41.18262298	9.864118322
ZCCHC6	79670	5696	10.15472008	13.02726194	10.23781498	21.60757526
POLR3E	55718	2640	21.90957786	18.73820304	22.16889352	7.66775996
CUL2	8453	4285	13.49854972	10.40059205	16.27163856	11.1016996
LSM14B	149986	2618	22.01562238	13.78872992	20.57968455	14.3045606
GPATCH4	54865	2172	26.53632569	23.18608966	30.35029721	6.803548341
USF2	7392	1732	33.27765554	36.92435365	27.20352297	40.67277385
CHID1	66005	3558	16.19924097	11.96206936	17.28045687	6.429022348
PLRG1	5356	3374	17.08266135	15.5864	17.4087622	11.27937944
ZNF259	8882	1810	31.73067029	26.46907581	35.13630562	20.01920799
NIPSNAP1	8508	2259	25.42386597	16.67052843	17.95780176	10.8428032
UBXN7	26043	4740	12.11656397	9.07314518	12.34723183	7.089280855
PIK3R2	5296	3953	14.5288422	15.10730066	14.85888279	6.401115069
RPGR	6103	4718	12.17306342	11.90204251	10.74784712	4.762527297
TNFRSF10B	8795	4154	13.82583371	12.44515716	18.20894188	20.56451135
PDP2	57546	7042	8.155710483	6.170459177	6.750791154	3.650733541
N4BP2	55728	6822	8.388760928	5.585515844	8.888702215	7.922677574
SNRNP48	154007	4173	13.71390536	8.703984571	10.98701012	4.753900927
RRP1	8568	1820	31.44402585	18.61020224	31.92489526	7.674500848
APOL6	80830	10156	5.634908138	13.38400332	4.077571212	58.1215601
FOXP1	27086	6222	9.197706051	10.8157298	8.455465378	7.352768085
LEPRE1	64175	2715	21.07849984	17.39982658	23.11291865	13.56981696
MTCH1	23787	1890	30.2794323	38.90729416	30.63070085	30.84630293
ZNF438	220929	3431	16.67972225	6.689526823	9.852976339	18.1719877
SLC25A40	55972	3152	18.15613168	26.93504216	23.79634844	49.25854628
MRPL38	64978	1614	35.45732779	31.89241027	35.47594196	15.42673491
SRSF8	10929	4335	13.20141339	19.89302168	13.40330089	9.432671353
LPIN1	23175	5363	10.63280643	12.88050201	7.642969178	19.77861723
HBXIP	10542	855	66.69443378	66.45887089	65.73303687	62.03083286
CCDC117	150275	3999	14.2595001	11.36730875	14.37095651	8.60537802
ASTN2	23245	3519	16.20452995	22.16295529	16.39123042	27.49673103
MUS81	80198	2406	23.70064043	24.8209308	25.81783867	18.76210991
STRN	6801	3479	16.39084245	16.46105202	14.93994001	20.48144862
SP110	3431	2591	22.00839092	35.77707327	18.83704356	194.4598379
GPN3	51184	1626	35.06995134	22.33808586	35.21412689	18.54975435
SRPRB	58477	2880	19.79991003	14.77813986	16.8734358	5.131009374
PRKX	5613	6084	9.339144431	7.947845593	12.32841721	4.824488022
CHEK1	1111	2748	20.67662108	16.29889725	24.834417	6.482438115
HELLS	3070	3165	17.95240275	13.1657858	19.89347832	3.517721157
DVL1	1855	2941	19.31973979	12.57743137	14.08086135	3.854476819
PNPLA6	10908	4591	12.37624803	23.05500441	14.35871173	39.94784357
POT1	25913	4215	13.48027395	12.26504931	12.98285959	11.71830191
TSC1	7248	8626	6.586987563	6.070679448	7.397171103	5.045467834
FANCG	2189	2649	21.44936003	18.25394209	21.45549294	6.648286552
CCDC90B	60492	1585	35.84817332	34.0224036	37.05814742	38.44232666
CANT1	124583	3545	16.02802672	17.34889168	15.5558033	17.35920292
GOT1	2805	2140	26.55110033	34.25792209	25.07772401	19.39154996
UTP14C	9724	5537	10.26175812	10.1818077	10.76075541	9.871011919
TOP1MT	116447	1923	29.54724634	49.47974851	26.14964805	29.15901978
UBA5	79876	3044	18.66601666	12.37145983	21.44776323	6.450591231
NLRC3	197358	6401	8.8766372	7.101682188	8.64811865	5.882169741
GRAMD4	23151	4337	13.05394709	12.99900144	9.694643189	3.173890404
HVCN1	84329	1736	32.61230907	2.438836987	49.65678723	17.49097318

PBK	55872	1899	29.81304294	12.55560678	20.47203586	5.329880541
ASCC1	51008	2438	23.2218903	23.21554632	22.70574548	18.93100113
ATG12	9140	4447	12.73104757	20.04341666	14.82366664	20.93934719
OSTC	58505	1103	51.32816731	42.4250805	57.27483558	19.45372572
FOSL2	2355	4015	14.1008639	8.158506764	17.05012769	42.5024985
DCTN3	11258	947	59.78349371	75.06190753	62.47067918	51.5156874
C10orf76	79591	4101	13.8051618	17.60492315	13.75592082	19.34945484
CEP120	153241	4728	11.97440113	11.87686898	13.76389731	9.933057573
CUEDC2	79004	1203	47.06148674	34.63816463	43.55662578	23.22126607
SNRK	54861	5236	10.81263723	15.27825321	11.90393518	28.72510412
PSMD5	5711	3411	16.59776269	14.63339824	17.3438092	12.34394708
TBL1X	6907	5715	9.906381198	0.19495423	11.23894444	1.310563067
ZNHIT1	10467	1208	46.86669582	42.42675289	45.65010159	30.66596185
CES2	8824	4193	13.45351357	22.37361323	12.04318101	20.4215142
TBC1D8	11138	4163	13.55046418	12.4717789	13.80481746	22.22195301
PQBP1	10084	1147	49.18097854	39.24341963	56.36716389	39.00329443
TAF2	6873	5049	11.17262475	8.385464468	9.164460831	7.778015332
SIRPA	140885	4201	13.42789393	86.14146156	16.29523035	208.8857703
PLEKHM2	23207	4138	13.6323302	14.70114136	15.164711	30.08548833
ERCC6L	54821	4224	13.35477803	7.965846448	16.40658185	3.258797983
SEMA4D	10507	4642	12.15221508	15.40915377	20.98282529	32.53165269
ZADH2	284273	5495	10.26580207	9.205281062	9.035836018	5.341616948
NUPL2	11097	1799	31.35663278	38.27420766	27.71717826	31.05634585
YES1	7525	4685	11.99705362	11.12974349	7.847075449	10.28347265
EXOC2	55770	4458	12.60793993	10.89670823	11.75384047	13.34995193
MPI	4351	1771	31.73698262	24.15803245	29.3484197	14.40205349
CNST	163882	5233	10.74072162	9.197756527	8.31734394	10.2897148
CSPP1	79848	4735	11.87036879	6.070837662	14.72523152	2.13758039
C2CD3	26005	6300	8.921618446	10.43422889	8.518464982	11.14965325
SLC2A4RG	56731	2296	24.48005061	11.74336013	29.63139946	4.143796411
PSMD10	5716	1585	35.46132253	27.27415826	25.32751083	15.96442137
TMEM14C	51522	1201	46.79949726	34.13922897	49.96242483	21.74298361
WDR11	55717	4746	11.84285634	15.35320015	11.26317839	11.47352805
H1FX	8971	1524	36.74659452	41.37903529	35.63004178	77.70399267
C9orf123	90871	2487	22.51781666	16.48621391	16.99113481	6.348794254
PATZ1	23598	3812	14.69092603	10.75582739	11.19609701	6.319264085
C16orf80	29105	1308	42.81483948	24.36167731	43.2907615	17.17859617
SFXN4	119559	1400	40.00129289	47.1131962	44.06796451	18.36318971
SNRNP27	11017	1452	38.5687397	37.29224683	40.74361789	47.54011175
HADH	3033	2037	27.49229752	20.67519755	24.68619205	5.266926724
RHOXF2B	727940	1309	42.78213143	24.51329763	39.06104832	11.59829238
PIGK	10026	4626	12.10588198	13.00579872	12.05775551	6.82639486
ADAM17	6868	3572	15.67799833	22.27079184	19.22383747	44.14672011
NDUFA11	126328	2633	21.26920245	16.75688248	19.01803587	9.225774233
ALDOC	230	1665	33.63472075	53.93487805	31.08994987	50.21208432
METTL9	51108	3212	17.4351837	6.868130694	23.48339346	19.97819102
HPCAL1	3241	1920	29.1676094	161.6697551	35.43421519	209.9145136
RALGAPA1	253959	7882	7.10502538	5.965198741	6.138570204	5.187849571
NRBF2	29982	1916	29.22850211	40.00753839	39.36777652	76.17495313
UFL1	23376	4219	13.27371653	14.89424439	14.2225343	9.596058922
C19orf53	28974	934	59.9591114	52.48735615	66.73340964	34.46058802
SDHC	6391	2858	19.52324138	20.03778866	21.73468154	14.94488806
SNX10	29887	2712	20.57427134	14.78977996	26.72222461	44.48657903
C4orf21	55345	6740	8.278549536	7.471837797	7.335405662	4.955602728
FBXO28	23219	5457	10.22492649	10.73941655	10.91850883	15.50582091
SKAP2	8935	3984	14.00537748	40.60655851	13.84169747	51.11532031
ITPR1	3708	10197	5.47194507	10.75156231	5.366554201	23.62364881
MKNK2	2872	3805	14.66423755	15.75348021	28.93018677	23.51473257
STYX	6815	4879	11.43624183	9.180030669	10.43648852	10.5384159
MINOS1	440574	3967	14.06539548	12.47009226	12.78254165	7.450116963
PHTF2	57157	5102	10.89632256	11.09359113	9.60761753	13.84705472
MTRF1L	54516	3878	14.33549193	13.15850562	14.81935407	12.42343202

GGPS1	9453	2921	19.03219367	14.49442318	12.6582791	15.73137689
TMEM181	57583	5397	10.30072961	7.473173233	11.50967572	7.576548141
PUS7L	83448	4379	12.69537285	10.63531197	13.55812239	7.072759998
PPP2R5A	5525	3135	17.73302638	21.03938586	21.36436024	29.25048642
UQCRCQ	27089	1585	35.07447174	38.80241072	33.59227752	19.28502101
YDJC	150223	1350	41.18002793	35.98335205	34.58809797	16.49420365
LAMTOR1	55004	1198	46.40487288	85.37579491	52.90937263	81.61364007
ATXN7	6314	7242	7.676475795	7.507756846	7.993927729	16.54762315
RHOH	58480	4386	12.67511112	27.73977334	13.7773465	6.923011729
ANKRD10	55608	2495	22.19986034	29.11561332	21.00145123	43.24432223
ST3GAL2	6483	4450	12.44688799	15.97384864	16.76034174	41.85046155
SLC4A1AP	22950	2982	18.57432983	14.422102	18.77614412	18.87163779
ATXN1L	342371	7895	7.015662006	5.644906517	7.305983515	8.948406988
ECHDC1	55862	2354	23.52958859	21.5827749	27.0164457	17.88666249
LAIR1	3903	2816	19.66926546	42.33504486	17.70710358	20.2716404
NF2	4771	6106	9.071184333	6.824387823	6.505328388	5.337544536
GNA12	2768	4398	12.59405447	7.144021953	7.878740533	4.556720653
RPRD1B	58490	3895	14.22044969	13.1010744	12.58486897	8.575292012
NAA60	79903	2692	20.57527918	28.30935296	25.19405958	32.86085182
CCDC9	26093	2093	26.36610863	19.27028951	21.40103651	28.24138939
LONP2	83752	4342	12.70941165	13.0866731	13.23571052	11.60865658
FOXRED2	80020	5019	10.9950718	7.547630286	10.69263387	3.266933234
LYL1	4066	1788	30.86368309	40.3790771	34.15061299	25.47343074
ZNF714	148206	8808	6.265243571	6.805403292	6.164870989	4.711389294
MCPH1	79648	3773	14.62609737	12.81598001	11.59182232	8.530662393
VPS52	6293	2990	18.45627604	23.25210623	20.13918294	17.26400002
BRAP	8315	4043	13.64933598	15.15681135	15.62556113	16.62289946
FNTA	2339	1710	32.27150022	30.88382824	35.95547693	29.1213452
SEPT8	23176	4344	12.70356017	11.79823147	10.7004253	6.710349048
NEK4	6787	3745	14.73545137	11.95977827	14.61221714	6.918796918
AURKB	9212	1253	43.87859474	34.14515201	34.90498452	13.73220539
PTGES2	80142	2120	25.93390528	23.75480507	27.90553452	14.13182628
UBE2Q2	92912	3109	17.68410396	10.39264692	15.01895537	8.334157111
ZNF142	7701	5940	9.25587192	10.01621664	8.856886461	6.440918367
TRAM2	9697	7065	7.782006964	3.374819146	7.297025021	2.005664601
TIMM50	92609	2572	21.37631384	12.90904744	21.27634261	5.115814966
MBTPS2	51360	4541	12.10743871	12.02246372	10.93413762	6.374659195
ZNF410	57862	2207	24.91159003	27.66477373	22.88040687	29.99285826
ALS2	57679	6935	7.927884528	5.944347033	15.14182068	9.457383071
SLC5A3	6526	11579	4.748240712	13.91381217	7.39013113	19.72016214
UQCR10	29796	993	55.36745136	46.90033345	57.87457713	37.91718883
MRPL35	51318	3323	16.54525405	16.29501727	19.32909042	9.320377981
VGLL4	9686	3783	14.53340714	13.90127243	14.13033165	22.09968818
RYK	6259	2942	18.68792631	22.49534581	18.60052794	15.27505356
COPS8	10920	2339	23.50572005	16.86249902	21.67949668	10.47195058
UBASH3B	84959	6917	7.948515137	8.665894491	13.19575205	9.979505894
SOLH	6650	4759	11.55282185	10.25433031	12.29793631	7.911697523
SNUPN	10073	1803	30.49355474	17.79695319	24.02294846	8.869595215
RBM4	5936	3106	17.63538089	18.4378622	18.02654918	13.42573914
FBXL20	84961	10381	5.276514116	4.765326656	5.454610928	3.70498834
NUDCD1	84955	3965	13.81475234	9.722586245	12.68241443	11.33397417
CYBRD1	79901	4390	12.47733327	11.82688281	9.5776008	4.841692622
VOPP1	81552	2962	18.49273904	24.90128921	17.33362492	35.26444743
LRFN4	78999	2546	21.51433348	6.73924459	14.85466311	2.782800551
TOMM5	401505	932	58.77198824	37.53726556	68.91691787	20.63384333
BTBD7	55727	8448	6.483841505	6.462358873	6.27751836	5.631011221
CLTCL1	8218	5542	9.883704987	10.21282965	6.671749051	2.301158132
WRNIP1	56897	2670	20.51516593	24.5366327	21.28674187	19.18146155
ASF1A	25842	2525	21.69326457	24.00415455	18.91103211	28.1396162
ERC1	23085	9471	5.783496255	5.717278259	4.930200851	7.160138221
RNF126	55658	1665	32.89819402	25.96368819	28.42509702	16.16999326
ZBTB7B	51043	3630	15.0896675	28.05359144	16.64667817	34.18426804



MAP3K2	10746	4941	11.04454703	9.69622085	13.72645383	16.83834501
TRIM8	81603	2753	19.82241441	31.08163855	21.64268169	46.17701632
RRM2B	50484	4932	11.06470131	6.189796798	8.696432797	8.906541618
HEXB	3074	1919	28.43726257	8.476699315	35.67288311	33.54475165
DCAF10	79269	7932	6.87986723	8.596419759	6.259697292	11.28007532
ATP5H	10476	628	86.89666699	108.5777094	90.83898976	84.45280588
SCP2	6342	2725	20.02609426	25.43154677	21.0121726	23.10289041
HDDC2	51020	1615	33.79015905	32.01063954	33.62240475	17.17198404
DEPDC1B	55789	2516	21.68962912	15.67622623	18.05493787	6.114703333
MOB1B	92597	6960	7.840676274	6.403238067	6.860683343	7.212982473
RNASEH2C	84153	2785	19.59465238	16.72245282	15.5523792	12.93800273
ZNF646	9726	6221	8.772079548	7.987733274	9.237977028	14.15472679
UVRAG	7405	5166	10.56351275	9.360180524	8.425215029	12.4999627
CCNB1IP1	57820	1681	32.46347821	44.00978664	25.01229477	14.45060295
BMPR2	659	12086	4.515233069	5.033371085	3.478873698	14.88989402
POLR2H	5437	821	66.22012265	47.76924789	69.48463528	16.766337
NR2C1	7181	4029	13.49384976	15.59662872	13.68709921	14.01778426
ZNFX1	57169	7371	7.375759151	11.88078213	8.197997795	81.94922359
SZT2	23334	10217	5.321201987	6.368517563	3.722350694	7.330789791
ACAA2	10449	1952	27.85180364	33.10526566	28.90011849	19.49622246
ANKRD49	54851	1924	28.25713134	23.39511555	30.19922525	24.83015159
RASGRP2	10235	2310	23.53537693	45.72410934	26.43346149	23.83577953
CASP8	841	2938	18.50467008	29.5037149	18.33819406	55.3268812
NDUFV3	4731	2151	25.18007184	35.11867974	29.56611491	20.89223969
CHPF2	54480	3970	13.64290542	14.76196375	17.72237419	29.82893824
COQ5	84274	1530	35.40021865	30.43923602	31.76176151	20.77211208
CRLF3	51379	2954	18.33525204	18.93398912	17.09446783	28.84988196
PRDM8	56978	4118	13.15258245	5.627634583	14.57136285	5.65306441
CARKD	55739	2677	20.23247461	20.31048751	17.04800465	20.34118944
BTBD2	55643	2656	20.39244523	20.7227685	15.35314719	11.88964707
ZNF197	10168	4338	12.438439	11.24950621	10.22816964	11.52603254
PREX1	57580	6633	8.134772857	9.708826457	9.556072427	18.92143751
USP42	84132	5135	10.50787699	8.765764814	10.12191846	10.52551245
ZNF622	90441	1710	31.55435577	40.26625707	30.51890997	33.85652328
KIAA0146	23514	3220	16.75712682	15.70901225	17.32272578	10.43577368
SKIV2L	6499	4187	12.88701895	12.66639096	13.9779983	8.992540843
GRPEL2	134266	4105	13.1444454	13.1908264	11.42636225	6.60790929
TUBGCP5	114791	3934	13.71579775	9.062844321	16.00479382	3.396112088
MYLIP	29116	3086	17.4847532	16.31891988	17.32179022	12.79119516
CYP1B1	1545	5160	10.41735701	3.757062708	15.88730376	18.32059671
MFF	56947	2032	26.4535247	23.90626244	27.34640366	19.52561867
BCAP29	55973	6034	8.908445839	10.78341796	9.73436587	10.80246832
COPG2	26958	3154	17.04298104	16.39099013	15.60854451	6.931616106
ERMP1	79956	5355	10.03801348	13.2742533	10.33736834	10.50891203
LOC144438	144438	4024	13.3582411	12.40420511	12.91651374	12.42542971
MRI1	84245	3177	16.9195978	13.60703206	16.62612223	5.989396638
ZBTB1	22890	4119	13.05014863	13.95747333	16.1579752	17.83968858
PPP1R12B	4660	11108	4.839175567	5.035200204	4.260693783	2.678883944
WDR70	55100	2247	23.92236858	19.93296379	20.87459592	13.60336373
UBTD2	92181	3015	17.82871051	11.08620322	17.02892106	9.601103616
SLC31A1	1317	4797	11.20566233	9.33695427	13.38973681	17.68140371
CCDC91	55297	2352	22.8544057	15.25342782	22.27832518	22.11914021
TET2	54790	9796	5.48729708	6.437489769	6.79406899	20.10650099
RWDD4	201965	2593	20.65143696	12.11701062	20.37068659	9.133890075
MBD1	4152	3284	16.30608283	15.40286828	15.05500431	12.94459842
CAPN7	23473	4385	12.21189875	10.06177231	10.45582513	8.494164375
TRIT1	54802	2146	24.95301772	11.11048335	21.85704428	6.13134953
TAF5L	27097	4139	12.93770863	9.744555675	11.68983096	5.575474843
CBR4	84869	3523	15.19987966	11.44840078	15.71291725	6.320515165
CARS2	79587	1865	28.71269492	37.51713834	28.5489329	35.60143005
MUDENG	55745	3110	17.21838457	18.84405019	19.97354336	23.82281796
RAE1	8480	1839	29.11863841	26.65752618	26.76962991	19.15313875

INPP5A	3632	2938	18.22640437	5.915911984	16.46841741	2.067006769
ZNF498	221785	4359	12.28473871	8.792663862	13.37797525	6.687257689
NT5DC3	51559	7214	7.394620163	3.675781742	5.564749745	1.178543422
CBX4	8535	2655	20.09219957	19.47163196	21.88448564	24.3982057
TRMT1	55621	2282	23.3763321	18.45546775	22.77653431	5.677233667
RRP36	88745	1177	45.32267618	45.43742085	45.41635057	33.53749216
LY6E	4061	1194	44.67737844	68.67875041	42.29234335	656.1136513
PLD1	5337	5607	9.513962878	6.040764773	10.55104926	9.964395608
EHD1	10938	3482	15.32015791	93.94554314	20.38819064	95.22644386
INPP5B	3633	4469	11.93662785	13.26325669	12.15041031	11.64113175
KLHL12	59349	3338	15.98106347	15.62098509	16.20398409	13.40227044
WDR77	79084	2428	21.97067128	14.59242046	19.84057891	6.41969623
SETDB2	83852	6236	8.554328072	11.3989138	6.945698537	6.492266291
KIF1B	23095	10585	5.039658938	4.778745341	5.149878926	10.02104149
C16orf72	29035	3996	13.34954701	11.32007883	12.4782792	20.26314944
RNASEH2A	10535	1148	46.46758699	30.66860992	46.01148984	16.22252212
NCK2	8440	2527	21.10992871	16.93069864	27.50798832	13.53798094
MKKS	8195	2678	19.91963774	15.97605507	20.51308363	7.861315066
RAD51C	5889	1295	41.19288792	30.45666811	44.54111185	17.97630829
ADCY9	115	7741	6.864798307	3.483110044	5.458849279	3.033425669
TBL3	10607	2618	20.29809156	15.2356954	17.59361267	6.727009579
CALML4	91860	4655	11.41576878	8.855863948	9.667809704	14.30700234
LARS2	23395	4203	12.64344604	10.17936604	13.4723569	6.550160686
SUCLG2	8801	2363	22.48853309	29.70473792	26.10882366	13.02123875
GTF2H2B	653238	4374	12.14915494	7.183220976	10.28890127	3.424722419
BUD13	84811	2216	23.98032658	23.63072243	25.74317941	12.78882708
CHMP7	91782	3420	15.53812973	14.85551232	18.47197183	13.02173972
TBCD	6904	4449	11.94434787	8.264192624	11.39769448	4.777484965
PRKAR2A	5576	2381	22.23268271	14.78688122	24.93532883	7.056529032
IFIH1	64135	3434	15.41526428	16.48209142	11.38255121	192.4076321
RG9MTD1	54931	1631	32.45617261	23.90908635	37.17886359	15.01771454
ZSCAN29	146050	5607	9.441058948	7.193279104	9.269850418	10.46983597
CIC	23152	5473	9.672212228	9.079424209	8.994947816	13.09333409
EIF1AD	84285	2836	18.66573255	16.26458595	21.15827653	11.92017634
GTPBP10	85865	7550	7.011393049	5.046938952	6.408504682	3.67321248
RCSD1	92241	3012	17.57503902	159.5783868	24.69197742	145.9745984
TTLL4	9654	4997	10.59355964	25.68573672	9.89406327	34.59560716
ATP6V1E1	529	1406	37.65008359	48.65550086	44.93182336	84.08140538
SMARCA1	50485	3281	16.1341108	13.92279804	15.45514865	10.3034502
LOC38879	388796	1186	44.63407886	32.12848996	54.51360622	12.63046868
ERI3	79033	1769	29.92426089	18.64287018	27.7094769	7.666893057
CDCA3	83461	1170	45.06977039	23.2355449	38.82583222	7.439693254
HSPA13	6782	4001	13.17961294	10.5262128	14.46938881	10.62485909
MAP4K2	5871	2971	17.74878201	23.17579925	25.10384408	35.36202621
GTPBP2	54676	2996	17.60067802	24.46994435	17.27795946	52.56664065
RSRC1	51319	1647	32.01677678	27.46510929	31.0448769	22.24628063
C17orf70	80233	3877	13.60114299	10.57550013	12.97027939	5.012424773
STAT2	6773	4576	11.52352084	19.57577344	11.35840282	189.4231624
F8A1	8263	1720	30.65792521	37.05241153	33.53531387	25.42129907
C14orf159	80017	3164	16.66612875	20.77611947	17.49576722	15.67480134
CPSF3L	54973	2147	24.56061078	24.28637551	25.98005449	14.89695405
SLC25A13	10165	3207	16.44266647	15.14734184	18.24941656	10.98304401
DFFA	1676	3408	15.47289652	14.64627975	16.67711291	7.840554551
C22orf28	51493	2081	25.33956336	18.20353503	25.17953908	16.82854075
CTSZ	1522	1517	34.76046892	107.8175284	41.08701688	315.9865178
CSTF1	1477	2323	22.61181454	19.47267973	19.91879584	11.93833587
MRPL45	84311	1722	30.50362671	21.6103707	32.39208885	8.463924583
CWF19L1	55280	2633	19.9495804	19.12654263	19.98097439	13.9155428
DPM1	8813	1047	50.16928862	49.16365824	56.10044284	44.66195544
DNMT3A	1788	4395	11.95159162	12.57394899	8.84559638	7.415482807
SPG7	6687	3096	16.96616447	22.16810946	20.33684073	17.58829591
ANKRD40	91369	4169	12.59948313	10.63653257	15.55874832	8.108807895

PIK3CA	5290	3724	14.10506047	9.813254645	13.95704922	13.10025671
ASCC2	84164	2799	18.76643272	21.57472582	19.47533706	24.95103884
PTPN22	26191	3672	14.30480533	48.36537302	18.93047018	63.727605
ORC3	23595	2589	20.28862309	17.12773436	20.64698518	16.96680698
NUDT5	11164	1224	42.914416	30.76693114	41.94623939	17.86137026
LIN7C	55327	4866	10.79474829	11.49424658	10.03016438	9.401751547
PCIF1	63935	2703	19.4329431	18.38390259	18.21285586	14.3040743
GMCL1	64395	2402	21.86812872	11.87451442	21.63865583	8.59606329
THRA	7067	2566	20.39082581	8.944569964	20.91439181	4.812221606
FAM116A	201627	4679	11.1824875	12.28699138	11.24383534	10.42644924
HNRPLL	92906	3053	17.13817852	41.74919609	22.35341563	45.61777193
IP6K2	51447	2319	22.56268177	24.02249728	21.22869745	28.28242846
HIPK3	10114	4743	11.03159583	13.20176774	12.25032877	18.138787
SNX6	58533	3080	16.98794124	12.29920663	21.95166352	29.31275093
STXBP5	134957	6433	8.133508319	17.49269482	12.64489867	12.42956643
TNIP2	79155	1993	26.25331612	41.48064528	25.12518236	38.39343211
TMEM106	54664	6514	8.032370129	9.167816934	6.681710292	5.189686846
BCORL1	63035	7127	7.341498389	6.909782984	7.05567184	5.99305319
LPCAT3	10162	2297	22.68980098	31.04329957	22.07590019	31.72589929
CSTB	1476	674	77.32711106	79.01633776	97.49192995	89.50118867
EARS2	124454	3979	13.09838473	8.568333945	13.32809125	4.019070162
CCM2	83605	1904	27.37314751	24.3430664	33.9564795	27.21732611
PPP4R1	9989	3976	13.10826782	10.31217656	15.09176867	9.011546465
PHC1	1911	5206	10.01123182	4.793941739	8.603989514	3.577306068
CSNK1G3	1456	4462	11.68051834	10.13783841	9.65981428	8.166112804
ASNA1	439	1298	40.15290666	38.96996875	38.57818832	24.95271038
METTL8	79828	8154	6.39176758	3.47065869	5.052799665	1.787451329
ZBTB7A	51341	4456	11.69624615	21.10309537	13.79799496	31.79986626
OST4	1E+08	509	102.3938563	123.0176511	117.8877647	71.98354459
IKBIP	121457	2935	17.75757167	8.351480518	18.06898641	5.44868149
ACAD9	28976	2784	18.72071582	21.77100943	17.60706345	9.161651125
HIGD1A	25994	2952	17.65530923	21.21137683	20.82786774	19.54343697
CISD2	493856	5892	8.845633546	5.446012662	8.713882724	5.187840853
ARRDC1	92714	1621	32.15204988	31.34229002	29.19666042	17.98257635
SLC25A43	203427	2557	20.38266439	14.29196727	24.21057297	6.887489666
PNMA1	9240	2666	19.47265067	11.2837256	17.35610005	6.454033515
MARCKSL1	65108	1584	32.77404462	27.57273119	45.88507444	31.31001984
PUS1	80324	2014	25.77660709	18.366547	22.76504132	6.834738173
SLC25A37	51312	1865	27.83597141	24.01574779	26.39643399	17.58363314
MCCC1	56922	2551	20.35048478	24.72036448	20.37477511	15.15637508
VKORC1	79001	1042	49.82158031	42.98403995	43.79799276	29.33470087
TRMT6	51605	2311	22.46390596	23.04500721	23.67925279	11.56235825
RNASET2	8635	1250	41.53126935	96.79851825	33.97458963	85.99178098
SUCLG1	8802	1475	35.19599097	40.94078479	40.96775712	26.21282225
UBE2J2	118424	2396	21.66698109	17.85637541	20.98738448	13.26432867
COX7A2L	9167	1145	45.3398137	38.5335123	48.1618539	24.75112735
JRKL	8690	3577	14.45616453	9.032915652	10.51403062	7.753076384
KAT5	10524	2347	22.03225416	18.89378111	21.78564646	19.92376112
NAA20	51126	1079	47.92372615	33.2493626	41.7086693	20.82447061
ZNF503	84858	3198	16.16938728	8.779524164	12.7510816	6.39315671
FBXO38	81545	4413	11.71758453	12.32068323	10.72462872	13.44021229
METTL5	29081	956	54.08964489	28.43680705	51.71614452	12.91648603
SHFM1	7979	509	101.5907672	85.80590611	93.39699667	71.1881463
SLC25A46	91137	2358	21.92947435	24.38118434	20.4295698	17.51292962
PHF20L1	51105	6263	8.256378814	6.831211156	8.096494128	7.563205162
CNOT10	25904	2741	18.86526834	17.47866735	21.5061833	13.14569048
CARHSP1	23589	3029	17.07154193	13.31552193	12.27669792	8.487443247
ZNF768	79724	2332	22.08632691	27.51964546	21.01975327	20.74635431
STK39	27347	3288	15.66463332	7.793722246	13.30168662	1.662280809
MON1B	22879	3328	15.47635647	29.72887982	15.30036884	20.25505149
ABHD14B	84836	2447	21.04835078	21.58207858	18.8230805	8.768884133
HIVEP2	3097	9732	5.292366867	10.23491678	4.776268753	23.31717585

UBE2B	7320	2631	19.57632624	15.75327988	22.00381019	24.23606683
CD33	945	1466	35.13322943	42.40813032	32.86011295	24.57867504
LOC40132	401321	4639	11.10267608	7.301264945	9.883335464	2.487269926
TRAFD1	10906	3196	16.11555518	20.56809825	13.75069786	81.64293002
S1PR3	1903	4221	12.15373802	1.372577542	13.36484987	0.863236089
DPYD	1806	4451	11.52570842	7.309272517	7.025420059	8.595608874
YTHDC2	64848	6308	8.132677264	8.124844244	8.507661602	6.706980399
KCTD3	51133	3946	13.00074206	10.27763523	10.38754275	5.283875541
RNF31	55072	3571	14.36598381	19.2817977	15.02837563	33.55863536
TUT1	64852	2844	18.03830105	11.36101944	19.01860018	8.327769679
HPS1	3257	3729	13.75728833	24.50024155	18.5844467	29.42248424
MAP1S	55201	3278	15.65006961	22.90866832	16.951767	56.01067074
DYM	54808	2628	19.52090113	21.19793424	19.4562071	10.24468751
STAMBP	10617	2417	21.22504269	20.09827277	21.59178157	18.17420904
KIAA0913	23053	5851	8.767890648	15.27190336	10.76104237	28.3697945
RAB22A	57403	8702	5.871815906	6.017660413	6.361366063	7.443948075
PPP2R1B	5519	5605	9.116242999	8.786088016	13.53277954	12.02654975
BIRC5	332	2724	18.75790823	12.27052229	17.37437098	3.641341514
PRKACB	5567	4529	11.28208037	15.54761059	10.35663878	9.296799182
COPS4	51138	1765	28.94988216	23.10389876	32.32118162	18.4651824
SGOL1	151648	4136	12.35409623	10.07488202	13.07758678	6.460495626
PPARGC1B	133522	10642	4.80140406	6.930804233	4.66565673	7.855959444
DDX20	11218	3513	14.54498776	11.22726593	14.91563359	7.663831134
ZNF275	10838	6320	8.084895888	5.500300446	6.853382291	3.587346938
PPP1R11	6992	1664	30.7070565	46.06637233	31.99745184	40.75340691
FABP5	2171	751	68.03800534	34.41889671	74.83588085	22.10275201
USP25	29761	4968	10.28513326	12.0207648	8.718473446	28.11511985
HDAC4	9759	8980	5.690038086	5.310266652	5.482110178	3.76454567
OBFC2B	79035	1404	36.24797425	33.48838781	30.84998296	14.85055049
TROVE2	6738	3257	15.62547002	12.65706069	15.43929174	10.75228532
CCDC41	51134	3235	15.73173287	12.81201835	14.89116711	3.691901983
COIL	8161	2649	19.21183686	17.32862705	18.90316665	9.170050417
CNOT4	4850	3783	13.45285642	13.90127243	13.73937386	23.81201269
ZNF639	51193	3013	16.89085823	14.79141618	16.2688565	8.398143999
RABGAP1	23637	4999	10.18046726	7.132072326	11.8343135	10.40692494
SFXN1	94081	2991	16.94676352	13.55919379	13.91611434	5.617384027
BCR	613	6927	7.317420193	3.409883728	7.960924313	3.389887123
SYNGR2	9144	1694	29.92194196	23.94070167	31.43079095	16.49066298
DDX26B	203522	3852	13.15881871	17.70166187	11.79289296	42.4091621
LYRM2	57226	5530	9.165961967	9.14701979	8.176299988	6.845243648
ARMC8	25852	3832	13.22749731	20.46897313	18.19519083	28.73729161
CEBPG	1054	3750	13.51673858	9.150995587	14.02930815	4.210520349
ANGEL1	23357	4131	12.22062055	11.92109013	10.94527691	7.154348582
MAP1LC3B	81631	2304	21.91119076	38.00922097	29.06999538	53.94588622
COG6	57511	5257	9.603078468	7.884131513	8.922430478	8.548451127
FAM8A1	51439	4762	10.60129851	6.878707404	12.51203333	31.2017609
RFWD2	64326	2801	18.02334292	28.32146939	20.74377343	24.35506134
ZCCHC3	85364	2773	18.20533123	23.22345687	19.88652099	15.98698918
C6orf120	387263	4219	11.96572257	16.21465613	12.51983653	11.6112313
SUV39H1	6839	2745	18.39103224	14.28726868	15.00929999	7.30071309
MAP2K3	5606	2319	21.76946249	27.19346692	21.22869745	17.8947464
ADRBK2	157	9068	5.567201534	7.740658987	4.217307213	6.76399928
CD68	968	1872	26.96761939	69.15907577	32.84394528	332.0828195
ZNF117	51351	6404	7.883101734	11.34345022	8.479104258	14.47726721
ZNF330	27309	1906	26.48656008	14.96462941	24.38753804	12.85094041
TBXAS1	6916	2385	21.16703711	44.84682963	21.97007162	62.04423431
B3GNT2	10678	2788	18.10738289	25.33642793	20.00687841	32.2375951
TTN	7273	101520	0.497275251	0.913104776	0.514059654	0.498495033
WEE1	7465	3374	14.96247288	16.64310508	13.15050382	4.439755738
POLR2K	5440	971	51.99112617	40.38985841	66.36648014	40.65255229
C17orf85	55421	3797	13.29559745	13.73264373	13.02097292	9.276434594
RNF41	10193	3429	14.72247988	14.42661301	15.7739571	16.4705899

SLC25A32	81034	3038	16.61730859	12.17584782	17.52592491	7.795976618
PITPNA	5306	3660	13.73743097	15.95141077	12.00743999	18.25178273
FAM120B	84498	3261	15.41827579	18.65480617	14.64285681	15.95345531
LYRM5	144363	1149	43.75891848	37.04181269	46.52310237	35.41183764
RUFY1	80230	2644	19.01626223	20.05831277	21.0166007	15.84825062
NACC2	138151	6899	7.287867421	3.585219308	7.564478338	2.112607354
ERAP1	51752	5584	9.004118435	17.99741061	9.308032109	20.01087614
WDFY2	115825	3809	13.20005181	11.17381013	11.59320429	6.111661654
RNF187	149603	3133	16.04819577	16.28748318	20.29898282	16.60524027
COMMD6	170622	1722	29.19802401	32.35085435	30.42893195	19.39649384
LIMK1	3984	3398	14.7966443	40.13349119	18.03195432	61.71756975
PPIL4	85313	2481	20.18323707	17.60387191	22.73802148	14.36012893
CASP4	837	1352	37.0374343	52.4118297	29.53610939	93.27898049
KLHL15	80311	6290	7.960987468	7.935535991	5.844761284	8.528402016
ULK3	25989	2635	19.0036475	15.6447995	20.44691239	11.0625261
NOMO1	23420	4261	11.75184491	8.367338549	9.123772845	9.12141321
VPS11	55823	3279	15.27130563	19.70767874	17.26877586	22.16284288
CHPF	79586	3013	16.61951914	18.56322731	16.2688565	15.2510295
LIN54	132660	6127	8.17277806	5.491714607	7.069263274	6.772958529
INTS7	25896	4589	10.91187866	10.43997107	12.10893272	9.572251746
ADNP2	22850	5401	9.271359224	7.261350216	9.584293008	7.383537493
SPATS2L	26010	6335	7.904437438	3.623009712	6.403579192	26.90530428
SOCS4	122809	7029	7.124002158	7.862072246	9.047761157	7.77575658
FAM129B	64855	4007	12.49678342	2.391266644	15.29138527	3.233203701
FAM98B	283742	1556	32.18162672	20.04921328	29.87316677	8.716409909
WRN	7486	5765	8.68596898	6.416344435	7.659759779	2.809073554
MTRNR2L1	1E+08	1121	44.6695907	57.44749856	35.24554003	42.97776038
TELO2	9894	3338	15.00138142	11.54884795	10.44397412	4.85150061
RTCD1	8634	2634	19.01086225	18.69628828	19.9733886	18.98250917
C11orf73	51501	1187	42.01366892	41.30007636	46.10172973	28.30934393
NQO1	1728	2601	19.17348135	3.683892904	17.05874659	8.094041425
HMG20B	10362	1584	31.48372791	25.46257319	25.87704779	22.23650389
NCOA5	57727	3209	15.54073699	16.04062019	17.51378826	10.97619886
GSR	2936	3174	15.71210618	22.67642003	16.57526956	19.77093495
CRNKL1	51340	4406	11.31870744	10.97473731	11.41302161	9.510389158
SLC44A1	23446	4540	10.98463106	74.75202178	10.70385355	59.21267181
PPP6R2	9701	4004	12.45510115	12.24355411	11.97843178	11.83025822
POLRMT	5442	3800	13.12374342	7.975064507	10.39743431	3.782223492
COPS5	10987	1510	33.02663907	39.40154094	46.1748154	37.67053675
FAM193B	54540	4620	10.794421	8.151238901	7.911745393	6.616181452
FOXP4	116113	5965	8.360473596	8.069046086	6.552838366	5.837009963
BCL2	596	6492	7.681796827	1.064050097	7.029807217	0.31181279
MACC1	346389	9167	5.440190357	7.900144272	8.089991408	19.41038186
NEK2	4751	2161	22.98280372	20.21064609	15.54570896	6.744506309
LEMD3	23592	4798	10.35136283	12.49312051	10.21635361	16.41201077
FAM126B	285172	9348	5.312990889	6.102392736	7.594317482	8.59694679
GEMIN4	50628	3757	13.2195472	12.39606897	12.7097035	4.256555809
VPS72	6944	1324	37.51196287	31.80919744	38.45893315	25.07427003
PARP2	10038	1904	26.08499939	21.88535297	22.41571523	11.48230945
DNHD1	144132	14882	3.337309423	3.204286691	2.399349864	3.033304424
PARP6	56965	2631	18.87717173	17.87065621	21.2810573	22.23562957
NUP37	79023	1228	40.27805592	33.38861074	42.49783066	15.00083594
FTSJ2	29960	1605	30.81710447	27.21196649	33.43696535	14.25200094
MICAL3	57553	9471	5.222410798	3.035098335	4.751732042	1.838125036
CCDC88B	283234	4932	10.02868059	58.59975509	15.25088707	69.73370603
ASAP1	50807	6042	8.186271544	9.293915352	16.54049853	18.32647932
ARMC6	93436	2505	19.74509088	16.27879493	20.9176131	5.333455072
SOCS7	30837	7978	6.199730843	4.161703438	5.640969437	2.080617544
TMUB1	83590	1810	27.32676943	26.71529977	27.89892705	28.29530515
FPGS	2356	2487	19.88799866	22.93734109	22.2583866	16.11617003
AIMP2	7965	1236	40.01735653	26.8625162	37.09449289	10.48175342
SLC30A7	148867	8232	6.008436913	6.956754128	6.236904399	7.844364344

MRPL15	29088	1749	28.27984715	25.35374743	33.22087443	10.99527843
NUP85	79902	2311	21.40261907	16.29542351	22.2164418	7.620645209
GGA1	26088	3231	15.3084038	20.69012857	16.28285533	11.7785906
MOV10	4343	3653	13.48400397	21.89896902	9.716901152	91.87710232
ANKRD20A	284232	37567	1.311179133	1.583739101	1.259823423	1.659650486
TUBA4A	7277	1514	32.53439003	72.70762633	34.74894688	32.75764295
STAG3L1	54441	1826	26.97539239	39.05063478	23.25752302	22.28269521
ZNF398	57541	5508	8.942822531	7.52485101	8.937790377	2.976895043
RMI1	80010	3508	14.04135305	12.64073668	16.9244635	7.213115128
ANAPC13	25847	1859	26.49653927	24.33299355	22.04908214	18.83818897
KBTBD11	9920	6717	7.333194357	10.48312169	6.165224539	1.446566238
HEATR5B	54497	6792	7.252218271	8.464492442	7.310353198	7.212571383
ACVR1B	91	4687	10.50929518	5.562497144	10.68369713	14.94354312
CEP135	9662	5687	8.661344557	6.778627477	8.953688674	4.769732308
PIGU	128869	1833	26.8723767	27.59575528	22.01603351	11.81663303
FBXO34	55030	3468	14.20330637	12.46526552	15.35287193	15.46818013
C12orf52	84934	1775	27.75046	22.97373595	28.56808041	10.03590983
RARA	5914	3494	14.09761491	15.49752215	15.35956765	31.05376947
PCCA	5095	2577	19.11411195	12.10577255	18.28346984	9.819017411
PFDN2	5202	668	73.7381235	48.70295205	68.31962343	36.06142918
PAPSS1	9061	2558	19.17618465	17.68375098	20.15382399	22.55364579
CBX6	23466	3284	14.93686977	10.11025275	8.299553659	17.32110551
PDE3B	5140	6091	8.05330493	1.536524833	8.70669432	3.423111621
C8orf59	401466	1050	46.71683841	43.50542893	49.70222482	26.41214688
RAB2A	5862	1148	42.72881562	37.85049959	36.80919187	48.31490283
UBAC1	10422	1877	26.13355372	35.8526749	34.10723638	19.95169933
BCL11A	53335	5946	8.249693967	1.648946877	5.365623775	0.272356358
KIAA1191	57179	2852	17.19939703	18.59543442	16.07601445	19.37695638
MYO18A	399687	7591	6.461952355	9.305488218	8.294409022	10.21344415
SMURF1	57154	5781	8.485154875	7.709139759	8.113685698	10.18972481
CDK6	1021	11733	4.180744936	4.368151154	4.79005766	1.690789105
ZNF160	90338	4336	11.31288753	9.918521253	11.88964063	13.44545953
IRF3	3661	1684	29.00730057	37.4475355	29.48451242	26.56578308
FAM40A	85369	3290	14.84750582	11.51415088	13.29360049	10.45985006
KIAA1704	55425	1431	34.1357751	23.51344193	33.22087443	14.57035142
WDFY3	23001	14329	3.409051166	3.25019409	2.315005062	8.659982762
TDP2	51567	1940	25.17953307	30.78307191	29.51452079	41.32053079
CRLS1	54675	3968	12.310558	9.097503762	15.38843146	6.22387129
PRSS12	8492	4573	10.68189245	4.385510961	6.560777632	0.708257557
ESCO1	114799	4499	10.85758928	10.05446433	11.55280091	14.75809448
CXXC1	30827	2976	16.41407734	13.47778335	15.47717674	8.774638213
WDR60	55112	3789	12.89213359	9.056804817	15.55778528	5.128838966
LEMD2	221496	2957	16.51954486	18.99013749	14.5048382	18.48352824
RALGDS	5900	3668	13.31741935	11.05658359	11.92364929	8.333358317
SEC22B	9554	1821	26.82498307	30.46970813	28.42656042	46.24404557
C12orf48	55010	3081	15.85468814	15.40518074	18.1042444	6.898744112
FBXO22	26263	3497	13.91018244	10.51398141	14.31927036	8.046214455
STAT5A	6776	4314	11.27582476	6.611632742	12.92980459	11.40246029
ESRRA	2101	2221	21.90180459	41.3359145	22.83131145	45.20698605
VPS4B	9525	3396	14.32388339	12.66393055	15.36729566	17.7035843
EFR3A	23167	5430	8.95836243	15.84040816	10.27240829	28.70538204
KDM6A	7403	5778	8.418814122	9.718559459	7.386556212	16.32603845
CD2BP2	10421	3513	13.84682835	19.21955692	14.67505886	21.60854643
OBSL1	23363	6118	7.950949329	10.45324951	5.698265058	4.43371488
IMP4	92856	1074	45.29227932	33.19667557	43.47665946	14.51305628
NUDT15	55270	2022	24.05732344	19.28571703	24.66033812	9.110299965
SLC24A6	80024	2993	16.25255863	37.22564062	18.14239347	31.44985676
NDST1	3340	8030	6.057771855	10.29525854	5.893871301	13.18434562
ACO1	48	3561	13.66018197	10.51274671	11.62926516	8.470064752
SUPT4H1	6827	1499	32.31455759	37.46086495	35.66047006	35.78628998
ST3GAL6	10402	2107	22.98980628	4.547605811	22.96355498	26.13224999
PLD6	201164	2591	18.69529982	6.278188339	15.57521784	2.031320122

C20orf177	63939	5119	9.462692289	9.750834417	10.11228102	5.615334741
EPS15L1	58513	2774	17.46197615	16.38711885	21.5550063	13.71904334
ZMAT2	153527	1512	32.03672078	35.81239576	35.07438829	31.8638025
METTL13	51603	3421	14.15946268	12.83193186	16.05788891	8.224966954
VCCIP1	80124	8176	5.924599049	6.595585825	5.297624276	15.42480206
ELMO2	63916	3683	13.15219164	11.25356486	11.07194107	20.06150828
MRPS31	10240	1344	36.04131088	29.84366314	31.75559657	28.61717557
MMP9	4318	2387	20.29305481	1.960404851	41.24788387	5.173087826
SEPSECS	51091	5645	8.580960465	7.263279715	7.074015925	6.634072568
BRP44L	51660	962	50.35293329	52.34946648	59.95918903	25.0405766
SCO1	6341	1768	27.39791959	22.43451238	25.09604066	15.80044292
PPIH	10465	813	59.58120766	59.7509536	88.10028795	27.13990906
SPTSSA	171546	2538	19.00517559	14.22336286	22.31060522	12.36267682
DNAJC14	85406	3330	14.48502572	15.65851298	15.60842381	13.73841532
SYNGAP1	8831	6011	8.024477734	6.487393084	7.20568559	4.512638103
EAF1	85403	4503	10.71177785	12.61877295	10.65104171	19.42022403
MAR5	54708	3941	12.23931379	10.96918062	11.25851304	11.35163124
TBC1D23	55773	3912	12.3300449	14.24033006	14.7445654	24.5791692
TMTC2	160335	4855	9.935146377	3.901293142	9.095471704	6.546103292
CDAN1	146059	4757	10.13982251	8.103858411	7.639474239	3.829850256
CWC25	54883	2347	20.55182602	13.76682543	18.63482983	12.85125717
DERL1	79139	3179	15.17305305	16.96304175	13.89069365	24.13354484
SPPL3	121665	3432	14.05452671	17.7253272	13.05138969	20.76193466
COG3	83548	4601	10.48362001	11.47823219	11.70997917	14.82689129
PHAX	51808	3641	13.2477714	12.17899046	15.49382897	9.507095733
CHMP1A	5119	2373	20.24051812	23.66364794	22.88250471	23.80010652
MEAF6	64769	2166	22.17486126	21.5013994	25.55706716	15.70085364
PHC2	1912	3873	12.40143287	17.20293642	13.74742057	57.33655116
CDC40	51362	3866	12.42388761	12.79587584	12.5699677	15.91784127
ANKRD36	375248	6269	7.661628568	6.718037552	6.133964997	2.712398228
PPM1F	9647	5199	9.238459221	8.486414999	9.387724538	5.022758862
PSMB8	5696	1602	29.98174125	58.55965061	28.61972111	100.0771907
PPA2	27068	1682	28.55573691	31.0005043	31.90626004	14.56236172
DBF4B	80174	3423	14.03177023	11.39226405	11.04877952	9.876021067
NEDD8	4738	625	76.84919918	79.86323421	80.11918151	50.20235801
B4GALT3	8703	2438	19.70088166	17.09176048	21.23247192	14.28128155
FAM65A	79567	4249	11.30401259	15.837955	9.298717433	11.76745803
MKL1	57591	4507	10.65692245	18.58999101	15.75142663	35.52723111
SAR1B	51128	6651	7.190853003	5.7291218	8.100678717	7.030682205
NFYC	4802	2380	20.09511064	22.28326847	19.79684949	19.13718242
PKN2	5586	6104	7.835249561	10.51373087	9.345820047	13.86226486
THADA	63892	6346	7.536458135	6.671637268	8.423423357	3.189865474
CEP68	23177	5877	8.137887242	2.805788442	7.262127241	1.79110105
LOC100495	1E+08	2318	20.6325985	20.09147158	18.04761982	22.26892151
C20orf20	55257	1659	28.82842877	25.78895447	28.65525697	18.42480911
FAM54B	56181	2120	22.55960534	29.85117097	21.02881351	17.66478285
WDR59	79726	3678	13.00336143	6.664381545	10.45509151	6.274304072
TMEM57	55219	3940	12.13867089	23.01850322	12.9773889	26.71649968
RIN1	9610	2698	17.72659871	13.13209669	16.52375265	24.75964595
BTRC	8945	6146	7.781705715	5.764789599	7.322429901	5.467489627
MIER3	166968	5220	9.162138567	8.836468533	10.199954	8.996838354
RAC3	5881	1077	44.40702258	19.44872086	31.97717373	3.007299728
LSM2	57819	907	52.7302793	51.59301411	51.48173347	26.55902392
DCLRE1A	9937	4468	10.70419949	11.37105016	12.38957195	9.197193192
ENY2	56943	2993	15.91111833	16.37928187	17.78942862	21.03420527
ZFYVE27	118813	3059	15.56782516	13.69484954	14.78095421	17.20546073
KLHL18	23276	4743	10.04047589	6.765318702	8.597503467	6.18852733
DGCR2	9993	4504	10.57326313	11.42858574	10.69558739	13.97765905
ITFG1	81533	2261	21.06235168	21.87919328	23.73566094	28.82887832
EIF2C4	192670	7069	6.736734638	7.344746859	7.412451665	9.4499257
ELF2	1998	3218	14.79862559	18.0731295	16.34863442	16.98439807
DTYMK	1841	1227	38.81171732	25.4250822	31.68410439	6.929105333



RAB21	23011	2627	18.12789385	15.94691463	23.56544921	22.26948664
H6PD	9563	9117	5.223426254	13.19838212	4.936234964	7.304935386
APOBR	55911	3733	12.75702576	30.14479127	22.86607115	112.1953703
MAN2B2	23324	4242	11.22630296	23.37589456	16.23734847	29.92053208
MRPL28	10573	1161	41.01806818	37.61861	42.22055524	33.82532249
CHST14	113189	2213	21.51919438	18.32604999	19.57224405	9.51315036
C14orf135	64430	3952	12.05009543	11.4461121	11.38756431	5.992959759
PIK3R4	30849	5078	9.378097116	8.469221771	12.02467429	6.816726185
NOL9	79707	6728	7.047798898	7.05460194	7.756738415	3.640590431
AP2A2	161	4616	10.27244172	11.92367269	11.62615455	10.74416625
HIBADH	11112	2012	23.56739115	26.80194319	22.78767058	15.59466887
MRPS18B	28973	1536	30.87082746	32.20628647	33.5634647	17.26444079
EIF4E2	9470	1014	46.76291024	52.52170774	57.30109406	51.90483666
RBBP5	5929	4423	10.72068528	8.967718265	12.08569854	9.611137513
SPRED1	161742	7255	6.535849895	3.440008365	6.406981047	3.292433608
CD2AP	23607	5425	8.740569767	10.67953881	10.32082244	28.17212747
C1orf9	51430	5669	8.364366023	12.85346409	9.764792287	13.03343358
MEA1	4201	868	54.62856104	52.88425467	52.82119034	38.71335398
DHX32	55760	3070	15.44546938	10.88759046	15.8291515	8.70378173
MNAT1	4331	1397	33.94244165	22.17161287	37.20547695	20.43125961
STK38	11329	3593	13.1972143	12.52774904	11.29047431	15.32442269
NEK7	140609	4134	11.4701478	15.36219525	10.68178885	19.97846543
BRD1	23774	4617	10.2702168	8.880488194	9.335519021	6.532791982
GLT8D1	55830	2347	20.11640597	12.72244557	19.80513315	6.813753802
SNX4	8723	2567	18.3923665	17.01410448	19.01315928	18.37394822
PRPF31	26121	2201	21.45079728	18.8309311	22.75078984	7.817561722
DDX51	317781	4738	9.964796289	7.195736759	9.632230573	2.819819535
CEP63	80254	6054	7.798679355	6.772582424	8.410906424	7.088688296
TFAP4	7023	2147	21.99031431	12.35076362	17.61526422	2.451397502
EHBP1L1	254102	5197	9.08470364	19.55199235	11.05819802	24.81185024
FAM100B	283991	1604	29.43466635	34.59185692	20.41716834	56.41253226
CC2D1A	54862	3644	12.95642284	18.10056934	12.63997749	18.88743507
FLJ14186	401149	4818	9.799336824	5.365004448	7.323485917	7.352646537
NFKBIA	4792	1579	29.90069969	75.50062466	29.83945648	77.30500593
C15orf17	57184	3563	13.25096964	9.005867697	11.56343768	7.783540338
PTPMT1	114971	2651	17.80958311	15.46631988	17.69340514	7.025068047
UTP3	57050	2088	22.61168813	21.34412689	23.37489458	18.32330225
AMPD3	272	4473	10.55515422	21.62069868	13.46214107	16.24680568
EZH1	2145	4654	10.10073456	7.2298529	9.98767673	8.438160596
GRINA	2907	1986	23.67010003	34.67034219	21.80935351	53.81794544
SLC35F5	80255	2875	16.35089344	17.12905159	17.34372302	15.84225884
CUTC	51076	1378	34.11380163	18.91975625	29.43880565	9.548531271
ZHX1	11244	5234	8.981432681	8.301943738	9.082741939	7.657798025
EIF2D	1939	2115	22.2263918	19.49127502	19.87974823	6.412640103
SIPA1L3	23094	7984	5.887878087	3.600377797	4.048918899	4.335588122
SDCCAG3	10807	2390	19.66896178	12.68001888	21.57049447	3.811422106
ZNF687	57592	4598	10.22375351	16.13816529	9.695755687	19.81143722
ACCN2	41	3923	11.98287501	1.022428836	6.139806983	0.361203681
SBF2	81846	7447	6.31245047	5.505735731	4.76646165	14.10777224
TRIOBP	11078	10159	4.607188944	3.114700387	3.327646601	3.188169906
HSF2	3298	2697	17.3542575	11.64976216	14.49302219	8.406389563
CBFA2T2	9139	7737	6.04942904	6.480206032	5.379746412	7.822958514
SH3BP1	23616	2592	18.05726562	55.96607939	24.20971224	75.59843339
XRCC1	7515	2102	22.26661869	17.70364336	20.80682474	9.341389014
XRCC3	7517	2657	17.61551844	18.03124848	15.665449	9.371001183
CDK7	1022	1534	30.51136407	27.59987621	34.84683483	23.88502229
ARFIP2	23647	2596	18.0294424	16.56652857	20.34714574	11.30669689
ERI1	90459	4615	10.14180552	7.870363513	10.62146579	7.895383604
KIFC3	3801	3411	13.72161609	3.527694218	12.51231949	3.501408066
SLX4	84464	7304	6.40805483	6.925386013	5.75652622	5.459814622
NANS	54187	1257	37.23502982	43.07744025	38.49181412	30.43679801
QTRTD1	79691	4008	11.67775262	13.23208058	10.80673056	8.63656077

CPOX	1371	2728	17.15705003	10.45549254	16.65184153	6.826779836
PRMT2	3275	2249	20.81121942	18.52810673	19.82262545	19.71183681
DHTKD1	55526	5202	8.997391865	5.911363032	8.529373296	5.370085176
CNTLN	54875	5522	8.475992844	10.89547716	6.389814406	7.991577712
MRPS7	51081	1432	32.54193178	28.47652326	35.26330864	16.11514691
MAGED2	10916	2174	21.4351639	18.96230298	19.82616896	19.74007311
MRPL52	122704	1306	35.6815056	22.01027284	41.09213582	18.75489465
NOP16	51491	537	86.77848476	54.35955624	92.06822003	18.84812504
TMX3	54495	4767	9.775549888	10.93829415	10.10550149	8.407995566
CEP104	9731	6458	7.215863474	6.797466537	6.968667416	6.363124679
MRPL43	84545	2151	21.6643637	17.71473226	20.43106944	9.787355531
DDX19A	55308	2918	15.96985823	13.21112216	16.65369949	6.937246846
SIRT1	23411	4110	11.33821078	9.975964475	13.05750107	8.323717236
KRTCAP2	200185	577	80.76264526	90.75507957	77.62975634	119.2821723
SNAPC4	6621	4661	9.997864474	9.322543129	8.9754093	4.256174334
IFT122	55764	4182	11.14300486	8.951671697	8.841423539	1.645763113
MAP3K4	4216	5501	8.471195476	8.061026043	8.872346823	4.195035517
CDCA4	55038	2453	18.91384433	16.26051797	18.60477312	7.262021989
UCHL3	7347	899	51.6080758	62.71042185	52.64492385	32.42464546
BECN1	8678	2143	21.64986474	23.49985383	17.64814386	25.59879695
GAPT	202309	2216	20.93666974	86.37783222	35.18234519	166.5287984
ZNF195	7748	2405	19.29133478	23.34878859	20.82099312	17.2548511
CORO2A	7464	5657	8.201460164	13.55037008	12.21320788	10.98562152
LRRC40	55631	2958	15.68480735	11.82715737	16.57135383	8.896467946
CWC27	10283	2093	22.1670617	23.95477977	20.99724337	11.50933335
EIF2B4	8890	1763	26.31631319	16.93680077	26.4854976	10.10422005
PDXDC2P	283970	4298	10.74715542	7.880541666	7.078875206	6.499577266
FLJ42627	645644	7148	6.462125626	6.39069675	5.4978967	6.088724893
PYGB	5834	4131	11.18162043	10.73437528	13.24685384	7.59537007
GLTSCR1	29998	5741	8.045858557	7.76285263	8.391033895	10.54280265
CIB1	10519	995	46.42339093	50.61325302	51.17550501	44.75814055
MEMO1	51072	1831	25.22734789	25.92209822	31.2715294	16.6940242
FIGNL1	63979	3544	13.03365519	13.1410923	14.12937033	4.969331568
TRAPPC3	27095	1278	36.14340687	31.03616423	35.37945143	27.71913225
UMPS	7372	6837	6.756073421	5.345116323	6.582368608	3.049608437
HERPUD2	64224	2932	15.75418621	14.06004321	14.05202199	26.78799414
IL16	3603	8322	5.550501559	5.623030978	6.245620199	5.059505347
TRMT1L	81627	4421	10.44815064	10.08064622	10.27510149	14.19428806
APEX2	27301	1991	23.20003716	32.12103492	21.43622391	20.33439106
ALAD	210	3200	14.43477312	15.04120622	12.14887378	16.57386315
COQ9	57017	1699	27.18733018	23.60793599	23.37936147	16.32298659
RNF38	152006	5268	8.768275243	9.432742729	8.38240606	13.56442457
DVL2	1856	3046	15.16456795	11.99755755	13.73420314	7.110928541
APPBP2	10513	6468	7.141508036	6.407990006	6.69656402	10.32800321
KIF3B	9371	6135	7.495825234	9.298315777	6.887848781	10.26167504
MEX3C	51320	4158	11.05985758	8.306653712	9.603852789	5.063155783
GPHN	10243	4318	10.65004349	6.295874835	9.835163741	3.094095636
ZDHHC17	23390	4771	9.638836263	8.547135047	10.93844814	14.25615132
MRPS26	64949	1062	43.30215425	24.12971633	36.80572585	7.433828301
HPS5	11234	4880	9.423542584	13.01379409	10.91060653	26.58952893
ACADSB	36	5941	7.740597174	8.064135199	8.21524657	5.451711509
ANKS1A	23294	6355	7.236331677	7.118022817	6.981872523	8.855267333
ITGA6	3655	5810	7.91512699	23.93246046	6.654924497	36.44416362
UNK	85451	3865	11.89828921	11.12722074	9.730578919	11.67959546
SUN1	23353	3977	11.56321041	6.779671826	9.881560375	3.512092417
GLA	2717	1418	32.43080946	53.74384921	38.59150437	63.5266883
NDUFA7	4701	585	78.61006463	76.56302501	95.34902051	66.09215867
TRABD	80305	2315	19.86474635	24.16026085	20.6265037	17.40101241
PPWD1	23398	2114	21.75349471	16.97070116	24.78648099	14.55496082
NARS2	79731	2513	18.29959722	8.069150144	17.8242616	3.947080893
TMEM104	54868	4763	9.655025784	17.31011828	10.38014574	12.66508527
SAMM50	25813	1773	25.82205394	26.26736103	29.31531376	13.58659599

PDHX	8050	2991	15.30675414	11.69666717	12.99779207	8.324557052
GALM	130589	2483	18.43838165	72.06389281	22.03896625	120.1692082
SLC35B1	10237	1186	38.60244658	34.75889265	38.30204359	28.84525956
NT5C3L	115024	1654	27.67986798	19.93907941	27.59220584	4.8954985
VPS53	55275	13106	3.493247493	3.961545517	3.901336201	4.015832776
KIAA0889	140710	8036	5.697175416	4.492147204	4.890364063	3.325113229
TRMT5	57570	5302	8.634949385	5.715813867	7.013602037	3.054377412
PLBD2	196463	2832	16.16613759	14.79256523	13.20529759	17.79830045
PSMB6	5694	849	53.92520806	39.89466205	51.01693296	27.41969286
MINK1	50488	5035	9.092850376	10.04627993	9.189942947	11.21701147
AP1S1	1174	1297	35.29876765	30.06609085	27.85635636	20.91400743
CCBL2	56267	2165	21.05224733	17.80602977	15.22421375	16.08210828
ZNHIT6	54680	6197	7.354867754	6.975882014	6.818936949	3.103234142
HEXIM1	10614	4785	9.525206996	17.74279057	13.99733947	21.61779498
C19orf42	79086	1390	32.79001113	31.42101166	30.40068509	24.90311911
ATG5	9474	3244	14.04997394	13.46338046	15.9570797	14.16502833
CLCC1	23155	4825	9.446241549	13.43923549	12.52382212	9.691412921
CD53	963	1572	28.99371213	62.93747584	32.25721548	217.2375902
TRIM22	10346	3111	14.65063178	23.20726128	7.334861532	196.7028135
GIN54	84296	3841	11.86621075	9.804406072	13.86195258	4.690489144
POLR1C	9533	1353	33.68670767	22.89264093	29.04579868	8.228815567
NDUFC2	4718	2491	18.29711581	12.79208106	18.91469361	11.21444524
MRPL48	51642	997	45.71526126	45.37114845	50.01324341	16.44607613
STXBP3	6814	2522	18.07221074	16.43413139	19.43618741	23.43744171
ZNF92	168374	3125	14.58499695	14.97435641	13.52222473	17.23074481
PIGG	54872	3266	13.89275239	15.62421458	18.04912689	16.48685779
MXD4	10608	3773	12.02590228	11.87102296	12.20781287	6.384583804
PEX5	5830	3745	12.11581557	6.009639829	9.026852288	3.135079854
TRAPPC1	58485	837	54.20995138	57.23898115	47.70946224	44.74234127
SNF8	11267	1226	37.00956713	33.4430783	39.98210819	31.53663363
KDSR	2531	5198	8.729074511	4.32976167	7.560401234	2.453447165
C14orf119	55017	2855	15.8927248	26.22479232	21.09147355	32.19008889
ORC6	23594	1703	26.64341122	23.81418005	25.92983859	11.64887174
CPPED1	55313	6156	7.370651284	10.09914214	9.335519021	13.67940334
PRIC285	85441	10002	4.536465637	4.344368479	4.203726006	95.85113927
SLC50A1	55974	1363	33.28960331	37.60199376	26.81750823	34.01042525
POLR3D	661	1946	23.31640766	15.00055586	18.13183718	8.113798207
E2F1	1869	2722	16.59417455	11.87022016	17.85286374	5.800680129
TMEM69	51249	1487	30.37615544	35.96492558	36.09033583	26.13741875
PALB2	79728	4069	11.10084619	7.612126611	9.658138514	5.870387277
GPSM3	63940	1472	30.68569507	84.92468488	44.49611143	157.7349904
CD82	3732	1715	26.33780941	30.79378792	35.35785802	64.56477437
GTF2H3	2967	1505	30.01285258	23.68985353	34.11441662	17.48554962
POC1B	282809	3251	13.89398435	15.83338978	15.53277698	14.69492822
BAG4	9530	4478	10.08694577	13.48540812	9.011922604	12.83827536
TSC22D3	1831	2312	19.53691312	25.83008629	21.47574348	25.74138655
ITPRIP	85450	4378	10.31734654	20.10482194	9.314289388	60.84887703
SRBD1	55133	3717	12.15209662	14.86750224	11.19803551	16.5559253
LNPEP	4012	4470	10.10499846	9.671038219	10.20973343	22.82419394
CERS4	79603	1817	24.74681176	16.06553754	28.48913953	12.03209532
RQCD1	9125	900	49.9610633	51.00392562	51.17786442	28.34004081
TERF1	7013	2960	15.19086384	15.58323167	17.20257685	12.85696832
ZNF511	118472	1098	40.95169123	33.68873012	40.79450766	18.06742128
BRIP1	83990	8166	5.506362597	5.566723939	5.407606555	4.164590862
MYH10	4628	7619	5.901687488	3.363401857	5.851303931	1.833257848
AKAP8	10270	3549	12.66975401	15.57128933	14.34759862	11.92100095
PIM3	415116	2410	18.65765849	20.71141966	14.8162343	26.03856743
GOLPH3L	55204	3208	14.01650778	14.1006967	14.16029417	14.26088623
TOP3A	7156	4116	10.92443075	11.96453434	12.88446917	11.5575274
PTER	9317	3810	11.74818131	11.69725379	11.64561677	7.757116533
DPY19L4	286148	6234	7.180072313	7.685118258	6.337864994	9.157032299
WDFY1	57590	4607	9.715773996	9.528551963	10.68577152	34.80001291

SMYD5	10322	2585	17.31550128	10.43046609	15.93830888	4.46361516
VPS37A	137492	4585	9.762392759	8.164861731	11.75084278	11.74396457
ME1	4199	3519	12.7196848	6.142304751	11.1676515	6.385224151
TGFBRAP1	9392	2978	15.0304133	13.24425292	17.31144452	6.933426468
YIPF6	286451	6282	7.125210252	7.519982357	7.567505779	8.507039131
AMZ2	51321	1980	22.60634889	20.59514207	24.7565983	15.23328312
S100PBP	64766	4317	10.36844355	12.18172657	13.3123593	6.986773357
YIF1B	90522	2931	15.27143323	16.87780826	15.35436853	9.669068855
PLXNA1	5361	9071	4.934469276	2.972412618	3.517142428	2.343184942
AOAH	313	2559	17.49143056	20.63749366	17.00846457	25.07618193
FLVCR1	28982	5947	7.526579923	11.05358029	6.67925595	8.816054398
ATG2A	23130	6378	6.985917942	16.24603299	6.824186397	21.0426993
ALG13	79868	4193	10.62632593	6.642996802	8.616669257	5.74505955
C11orf31	280636	1294	34.4329093	46.15081879	40.82008527	40.36062337
SNHG5	387066	524	85.03088671	68.04051442	99.19093759	50.22090111
OAS1	4938	1673	26.63250725	16.78237793	17.68073317	802.3346027
LIMD1	8994	6284	7.090417669	8.22679549	7.195248079	7.054729629
FAH	2184	1810	24.61667659	29.66998731	19.37749745	14.42725045
PVR	5817	5904	7.54677924	7.09562072	6.978409293	2.46864467
ATXN3	4287	6982	6.381579008	6.989452586	6.052270449	6.61039541
PEF1	553115	1997	22.31155966	16.62597397	14.28314611	14.19130737
CENPT	80152	2360	18.87973925	13.69099122	20.05414684	5.060721574
CENPA	1058	1431	31.13639737	19.62048796	24.50962291	5.799848624
COL4A3BP	10087	5494	8.109971721	7.544026094	9.422054338	11.27470551
DNMT3B	1789	4353	10.23574193	2.457148832	11.60051871	1.999641881
CUL7	9820	5527	8.061549599	9.1519847	6.384033861	8.020973582
PAF1	54623	2164	20.58973412	20.69749059	17.1839732	16.65080296
KLF10	7071	3249	13.6509075	20.23257679	13.85154022	21.74443619
CISD1	55847	2082	21.30249686	12.62932603	23.64522065	16.23708939
PNO1	56902	1994	22.24262711	15.42172041	27.12582694	7.918481099
DAGLB	221955	2910	15.24116786	13.93661465	18.51464404	9.251903358
LRRC8B	23507	7823	5.669410516	2.876914375	5.050524143	2.225346058
CLIP2	7461	5563	7.972640386	6.248768438	11.5080501	6.877414183
CRYZ	1429	2317	19.14190698	7.405315807	13.58715125	4.280972933
FAM189B	10712	3209	13.82106527	8.402229621	12.64153137	4.983446611
HENMT1	113802	1890	23.46656003	18.15673728	24.59399339	6.961839202
PWP2	5822	3277	13.53426868	11.83182397	14.95821319	6.362579458
IFIT1	3434	1876	23.64168362	11.04660964	18.92102341	1033.293599
ZFYVE20	64145	6678	6.641479255	5.305540113	5.916479541	4.910673225
LIMA1	51474	3748	11.83345743	10.99894522	9.4706083	12.3682523
AKR1A1	10327	1597	27.64396512	24.836705	27.12171326	19.77389018
KDELC1	79070	2129	20.73621996	23.65438551	22.52777869	9.41308475
BIRC2	329	3753	11.76323269	14.96238651	11.65359595	28.37132478
HERPUD1	9709	2198	20.08526492	13.58488615	22.3012123	15.47226978
XPC	7508	3729	11.83894135	8.485449513	11.162	6.568488178
DNPEP	23549	2438	18.10804442	18.64555689	14.64607247	13.94915873
PYCARD	29108	782	56.45449143	100.5881556	51.3351722	124.7707314
CEP95	90799	2705	16.32066998	16.55799247	17.65262701	10.32723959
CSGALNAC	55454	3745	11.73378535	9.222714589	12.97610016	23.2428334
STYXL1	51657	1429	30.75089302	43.97397977	32.82380477	45.18880846
SAMD8	142891	7009	6.269514357	7.439413358	3.948966149	16.5489711
EXOSC7	23016	1246	35.26727619	25.5738956	36.62721385	9.910241284
KIF24	347240	6237	7.045538902	6.823960684	6.063808287	3.018419794
CHRAC1	54108	2500	17.57721045	13.63736031	17.57889215	8.663955334
ZNF512B	57473	5919	7.424062532	6.399992635	8.174389314	4.069781161
AARS2	57505	4782	9.146516094	10.48459934	9.013402618	5.545416363
TAF1C	9013	3925	11.14360254	8.629444097	11.95037376	7.271966797
CPNE2	221184	2252	19.42213142	33.74153885	20.26532347	14.83159964
COX4NB	10328	1964	22.27018328	15.43036921	18.39597464	9.276271724
NKAP	79576	1600	27.33664998	26.18284046	28.12728386	19.73681414
ODF2L	57489	4380	9.985990859	13.58363626	11.38429308	14.55824014
COX11	1353	2427	18.02168931	8.905962266	19.5005301	4.420572615

STX7	8417	4270	10.24324121	10.22838553	9.945722959	17.30363817
PPP1R7	5510	1299	33.67100844	46.31626242	34.6448454	33.66022663
CTDP1	9150	3765	11.61716865	6.510383884	9.708436578	5.000234862
WDR18	57418	1551	28.20028366	21.55054978	29.28834539	8.091933916
NRM	11270	1433	30.52242844	31.72216866	23.88564643	12.28981931
ZBED5	58486	2756	15.8703338	18.4346343	15.6393655	17.84840845
KIF21B	23046	9895	4.420276904	18.26349746	5.295464459	25.12204585
CDK17	5128	4722	9.262736121	10.85377329	9.664868372	23.23516385
TMEM192	201931	4511	9.695996445	9.928922552	11.8499323	5.968308307
PAQR3	152559	3739	11.69795131	8.820336278	11.24516382	4.980865309
GPS2	2874	1181	36.86219627	33.96264458	43.11568797	26.73912161
CD70	970	913	47.6826438	72.48774082	41.88668325	52.54725139
RPUSD3	285367	1244	34.99538086	17.91259524	25.13677225	10.90251915
CCDC50	152137	8949	4.864705978	4.332650256	6.823253552	4.840739376
MRPL36	64979	626	69.54353641	60.86963114	69.52821221	21.34234018
RNF20	56254	3970	10.965807	12.46066902	11.6552551	11.67662711
IL6R	3570	5928	7.343834985	8.495308156	9.908428417	36.60656901
IFNAR2	3455	2898	15.02217177	17.53134994	13.99816224	31.57275571
ABI1	10006	3725	11.687048	16.8694811	14.57723052	27.98680924
LEPROTL1	23484	2721	15.99935825	12.93920036	17.54882619	11.53122887
PDLIM7	9260	1709	25.47352475	24.38251144	29.30046135	50.10380868
MAN2A1	4124	5128	8.48951907	7.865194216	11.41300291	8.842446432
PDE8A	5151	3931	11.0746003	10.54359689	8.223497453	11.32901294
EPC2	26122	3641	11.95667503	14.93303353	11.77995236	17.84665339
CAMLG	819	2255	19.30565578	16.30483059	17.33378308	8.079200739
ATPAF1	64756	4140	10.51552024	8.773364158	11.1256227	7.578858396
MMAB	326625	4241	10.26509167	13.03053662	8.070769003	4.629945698
TXNL4A	10907	1415	30.7662571	26.77141795	33.59651682	16.02263792
MTIF3	219402	1098	39.64868287	48.09776529	39.83237304	36.68792689
EED	8726	2413	18.04154737	16.62241328	17.16196155	19.88215521
KDM6B	23135	6704	6.463285744	13.36198378	7.248731371	20.44217485
NDUFAF3	25915	1387	31.23999108	35.82674023	26.0488062	19.7028814
SPRY2	10253	2126	20.38093491	48.73809897	19.27998293	86.17032972
IKBKG	8517	2279	19.01266679	26.10633033	18.35646457	25.49235791
ETS2	2114	3672	11.80007288	17.23433618	16.85905095	22.54722357
PPP1R2	5504	3475	12.46902665	12.63252918	11.79546581	13.39816935
CDC42BPB	9578	6701	6.46617932	5.054554258	7.125855256	5.8907071
ARL2BP	23568	2100	20.6332703	18.14494719	26.56151286	15.13396737
VTI1B	10490	1357	31.930632	28.57250342	37.05657568	23.12194087
MTMR14	64419	2536	17.08590995	25.74525892	18.16249132	30.73151113
MLLT11	10962	2180	19.87608607	10.93720058	14.34410306	9.750014041
RPAP2	79871	3112	13.92347931	8.234498311	14.0539671	5.529065987
ACOX1	51	7759	5.584465476	6.835182236	4.847104978	7.305075606
CCNY	219771	3968	10.91982551	9.77139293	11.23515238	7.244178059
MLH1	4292	2662	16.27718543	15.6535357	18.65211079	10.72218996
UBE2C	11065	1490	29.08044807	26.17162405	22.97190023	11.81967186
CRTC2	200186	2696	16.07190936	24.38265653	17.94666556	34.23870976
TMEM127	55654	4593	9.433892363	16.15573351	10.53433711	27.72213255
ZMYND19	116225	1371	31.60457157	17.06596054	30.20555305	7.087224961
INTS4	92105	3163	13.69897807	12.68096214	14.36175267	12.67180362
MYD88	4615	2886	14.94299427	40.6133029	15.15452031	165.1134939
VPS54	51542	3994	10.79756671	13.22267058	13.38383691	16.67478616
C7orf30	115416	774	55.7176763	35.69929316	59.50914467	13.86140793
BET1L	51272	2971	14.51547676	18.30063113	16.427728	17.23813609
RAB11FIP1	80223	7856	5.489496112	16.22457939	7.691884133	35.73941356
RPIA	22934	1834	23.51443918	27.58070853	23.15607254	9.823429009
MIOS	54468	3340	12.9118208	14.87775111	11.323345	11.63662925
GNPTAB	79158	5644	7.640942852	11.01529395	10.40700986	9.540410621
ERI2	112479	3529	12.22031212	13.32323505	11.55510313	6.195045962
NCAPH2	29781	3348	12.88096818	11.11501146	13.44195166	5.320710854
ENAH	55740	13172	3.274026834	1.590211993	3.224129747	1.275553874
KLF6	1316	4679	9.21681587	4.238535786	15.44334011	22.88627239

JOSD1	9929	3435	12.55472532	7.006093145	11.80980326	10.96121354
PHLDA1	22822	5913	7.29333358	10.5518606	10.75540558	39.30125734
AGRN	375790	7319	5.89226417	1.91808432	6.004540287	6.803866688
MTX2	10651	1603	26.77548053	23.90968295	28.7336731	17.67937668
SLC44A2	57153	3434	12.49886293	6.813462987	18.39666385	29.12051785
CNNM3	26505	4916	8.730898147	5.937974309	7.951114901	3.541269775
SCPEP1	59342	1952	21.98826603	71.34755531	35.82748771	81.92561564
UGDH	7358	3195	13.43383264	14.43704718	17.32601173	10.20064067
MYO1B	4430	5113	8.394503284	1.830426904	5.454642773	1.781595704
MYBBP1A	10514	4585	9.361198536	6.172246666	9.216347279	1.324507282
AKIRIN2	55122	1948	22.03341647	29.28396678	27.00713839	62.66150121
ARL4A	10124	3212	13.36273203	4.093128393	11.18256832	2.33183933
NDUFC1	4717	1257	34.14566053	24.10918467	28.91088222	21.41848749
VPS25	84313	1122	38.25409562	47.6647454	47.83095311	31.57312925
TMOD2	29767	9186	4.672446689	2.741137968	2.001064036	2.29181382
ASMTL	8623	2149	19.97258971	5.91040625	17.20559946	5.27501923
ADARB1	104	7044	6.093284397	2.878730027	4.769204579	2.097857325
FAM13B	51306	5558	7.722399296	14.35302287	9.807748908	19.66743181
LCLAT1	253558	5077	8.454027041	6.715265071	8.697757558	4.585250983
COPS7A	50813	2054	20.89634629	22.34836079	19.44148973	11.6293115
SHPRH	257218	7345	5.843580026	6.128278056	5.839456304	3.610371824
RAB28	9364	1827	23.49266299	18.41693235	21.39446133	17.3953648
MRPL24	79590	935	45.68631992	40.75335732	44.06473633	11.90758017
FAM55C	91775	8929	4.784041788	5.814762632	4.235633585	3.854060556
QRSL1	55278	4118	10.3731688	9.199018069	10.72329168	6.685363128
ARL2	402	993	43.01783396	41.51464922	27.66064348	9.785080989
C10orf26	54838	4236	10.08420895	18.6219949	11.77129454	29.81954922
MMP2	4313	3549	12.03626631	0.188362371	12.97832572	0.741497667
STX5	6811	1794	23.81087465	25.46304369	27.91220092	26.51660133
SNHG7	84973	2176	19.63084059	18.94487439	20.29343526	12.37272002
DSCR3	10311	3252	13.13551941	15.28034708	18.06185844	21.35089176
FAM160B1	57700	5828	7.329565738	6.691098118	5.800542522	6.877301796
C7orf50	84310	1311	32.58330215	24.64587284	33.52191485	19.91862954
ZNF3	7551	2837	15.05700004	13.35268114	17.20365875	10.77432439
TAF10	6881	834	51.21907568	100.9961089	55.22791124	83.73855842
BCL2L13	23786	3367	12.6868753	12.17737273	11.7345561	27.35525175
PLEKHG3	26030	4418	9.668788846	7.212556342	9.182135396	3.757167669
IRX3	79191	2308	18.5081062	8.110028387	17.85118218	1.140197235
ZBTB2	57621	3105	13.75739424	8.611891198	11.70401899	7.432170814
VTI1A	143187	4401	9.659696195	8.961914383	10.36980424	10.44111609
DBT	1629	10831	3.925059824	3.394644353	3.530841271	3.083811503
SLC39A6	25800	3637	11.68884326	10.90575141	12.31574633	6.456350867
IQGAP3	128239	6069	7.004831595	7.894056223	5.744271812	4.102611657
UIMC1	51720	2825	15.04860989	14.19818876	14.43467573	12.46818483
SLC25A11	8402	1822	23.33277879	28.25156431	23.88839783	16.33207621
NECAP2	55707	2092	20.32137808	23.32713096	23.22920416	32.80276508
MATK	4145	2163	19.65433331	21.42820084	17.97336851	7.019031309
JMJD6	23210	5445	7.807589156	7.284521191	7.877099459	8.736599228
FADD	8772	1855	22.91769431	21.14207683	26.53873283	18.44230611
RCOR3	55758	4474	9.502083807	9.712197927	10.53118055	10.54222733
TMEM39A	55254	2957	14.37684239	10.17328794	12.50417086	12.11697962
MRPS21	54460	945	44.98658514	34.19125851	48.74082326	17.13683496
GSS	2937	1918	22.16492333	20.44762905	22.47241466	14.03703794
ZFAND1	79752	2212	19.21895251	18.43507292	23.21075814	10.7986464
PDXP	57026	2072	20.51753038	12.69027838	16.92725405	5.373353022
TMTC4	84899	3771	11.21928846	7.327301222	9.076672326	4.294433582
REXO1	57455	4581	9.235524293	9.777203587	8.209711312	9.854100947
CCDC66	285331	3152	13.42256878	11.31130379	12.87013775	5.00934369
GLIPR1	11010	3924	10.78183914	3.236866216	16.90708845	9.440489786
ZNF335	63925	4462	9.481832538	10.98681996	8.807477726	10.47984477
PTPN2	5771	3418	12.37798033	13.16916393	13.22847833	9.475897622
FAM120AC	158293	2779	15.22415861	14.91431427	19.08329439	18.72048139

APIP	51074	1266	33.41859146	35.02662264	41.05533278	19.50736278
PTPN18	26469	3686	11.47800781	20.79610514	15.13271215	11.58776182
VPS37B	79720	2766	15.29571106	15.87058528	15.81198323	23.56547139
AFF2	2334	13746	3.077836228	2.674770332	1.782993767	0.206169364
IFNGR1	3459	2138	19.7885579	40.33500888	29.4494195	93.45055554
PPIL2	23759	4128	10.24901569	12.95538865	10.49258141	9.954713949
SLCO4A1	28231	2796	15.13159399	13.22969444	13.60202326	6.733148875
VPS18	57617	3922	10.78733727	10.56779178	11.25918285	19.09706254
TMEM179	374395	1060	39.91314791	46.45851257	49.43266115	64.73904202
TCF19	6941	3306	12.79731905	14.01972124	13.10144467	6.857844117
POLR3H	171568	4490	9.42270307	9.032416174	10.7759934	3.516581584
CIDEB	27141	2252	18.78682806	31.267819	18.1074418	15.82037295
TBC1D20	128637	4456	9.494599817	10.40152568	9.293494889	9.494531499
ATP6V0A1	535	4208	10.05416749	7.996134837	15.11328735	22.12863046
CSTF2	1478	2027	20.87219378	20.33746753	25.32915491	14.18100569
CRTC3	64784	5171	8.181770796	4.352369205	9.47941687	9.708442857
YIPF5	81555	3461	12.16514031	10.36580822	12.94203103	12.75050336
GINS1	9837	3289	12.80132278	11.72090437	14.77515814	4.923778971
TOR1B	27348	2774	15.17792019	24.58067827	15.1570539	147.9905314
RARS2	57038	1848	22.78330661	22.18680411	26.29626359	14.4592045
CLASRP	11129	2250	18.71268916	18.42083527	19.43819805	16.01437227
FLOT1	10211	1839	22.8948073	122.745791	34.81200799	230.3880425
TBP	6908	1921	21.91751724	16.70375149	21.88738548	9.80004386
NDFIP2	54602	4666	9.023478486	12.41673768	15.98446652	18.95872548
TSSC1	7260	1732	24.30920936	21.48559951	25.00772291	12.15508184
ATG16L2	89849	2160	19.49238454	41.67796511	15.8463571	26.24077853
NEK3	4752	2424	17.36945157	14.43264501	13.42320679	10.6893129
DUS1L	64118	1885	22.33610112	19.62346189	42.14486487	19.86702369
PSMD9	5715	2360	17.84048755	12.36910242	15.66730222	6.947770296
BDH1	622	3546	11.87353373	13.51072398	11.49970641	6.450778769
NDOR1	27158	4877	8.63308399	9.777772101	8.794506163	7.844792926
ATXN1	6310	10636	3.958588813	2.40934174	5.641676591	5.919083902
OTUD6B	51633	3306	12.73549625	10.24518091	14.95481977	6.857844117
SH3GL1	6455	2559	16.45312646	13.58417304	13.0453272	19.93437806
RAB11FIP3	9727	4273	9.805561537	6.935817241	8.801471454	4.026785245
AP4E1	23431	6682	6.270452626	5.535801507	6.26075767	7.967493409
LATS2	26524	5558	7.538532646	3.60830184	10.49201046	9.323819524
UBXN6	80700	1933	21.6757188	25.24591721	17.92586698	24.71454302
RLTPR	146206	4512	9.286162334	9.136535168	12.22192436	4.621048955
RHOT2	89941	2509	16.69954741	17.85148252	20.12636826	12.26352617
TRIM4	89122	3458	12.11658891	13.14571073	11.60905282	12.93718297
BTN2A1	11120	3162	13.25084265	16.63140848	12.6289753	35.53068278
ASB1	51665	6833	6.131884158	6.098304119	6.215167135	2.666266306
AEN	64782	3134	13.36922924	8.034490547	14.83173181	4.715158582
LIPA	3988	2669	15.69845052	24.5458259	28.73599415	64.54363521
SLC11A2	4891	4424	9.47087804	9.267905514	9.217440991	7.778685963
ZNF91	7644	5403	7.754796307	7.506116717	6.843389457	5.769765851
POLR3G	10622	3285	12.75469237	4.341336933	12.09179152	1.478932332
ERF	2077	2705	15.48952475	11.69768622	11.8725633	10.5517448
INTS12	57117	1768	23.69862243	13.35987816	20.55485235	15.22796311
CLEC16A	23274	6891	6.080273465	5.497250966	5.794923799	6.110173196
SAAL1	113174	1545	27.11920029	20.04773021	27.62428595	6.944161642
CCNT1	904	2568	16.23628438	15.44556771	16.86657947	14.03128411
RAI1	10743	7668	5.437503688	8.078701925	6.971184745	7.3917686
FYTTD1	84248	3824	10.9034462	24.99875046	18.45426524	58.0712507
TMEM189	387521	2399	17.38006598	15.51190427	14.79609834	16.70734259
NDUFA6	4700	1202	34.68783551	26.32465993	34.62820132	19.36715411
PYGO2	90780	3227	12.92060064	17.05598796	13.81502468	10.16221748
GCNT2	2651	4691	8.888249474	3.420156321	9.683697227	15.06025862
ANKRD55	79722	2502	16.66457965	11.22178988	15.70702063	5.258943282
LRRC37A4	55073	7238	5.760538585	6.834602931	5.283578586	4.279029571
ZKSCAN5	23660	4361	9.560829691	7.664504176	9.544393026	8.401656545



C12orf49	79794	2798	14.90163627	20.38783677	16.46178627	17.94222945
ING5	84289	5233	7.96766258	3.193665461	5.248809283	1.237860427
GABPB1	2553	3069	13.58578634	9.511593907	14.4574128	7.321474027
NAA40	79829	3352	12.43877634	16.08756256	15.06475476	14.67488475
TJAP1	93643	2788	14.95508547	15.82527675	12.95900079	15.75576157
ASAH1	427	2618	15.92619491	17.53381706	16.62515693	44.53744273
ALDH5A1	7915	5170	8.06475402	2.715369272	8.827371074	1.213790087
BMPR1A	657	3631	11.48300145	9.880490841	9.950342658	13.38004051
POR	5447	2509	16.6180862	65.72187593	18.69478558	128.6056626
UFD1L	7353	1783	23.26998997	15.87198596	20.38192875	11.80740423
ATP6V1H	51606	2165	19.1641534	21.30548071	17.56640048	24.12316242
CDC45	8318	2036	20.37838512	16.63583894	21.68885812	6.462611047
MTHFD1L	25902	3613	11.48364022	7.277679712	9.882957285	1.400697917
ACTR6	64431	1784	23.25694625	12.36571513	20.84423655	13.84322942
TET1	80312	9601	4.321465692	4.084840383	5.699693073	1.981909501
AMMECR1	9949	5618	7.385260255	8.369116497	6.167800082	5.80118315
TK1	7083	1616	25.67474759	27.85408559	25.10313996	12.65180393
SOD2	6648	1593	26.04544389	24.33953995	25.46558329	46.25493165
HERC2P2	400322	6075	6.829694175	6.565769641	6.990656302	5.431424636
ZNF37A	7587	7058	5.878491373	5.903897995	6.585810074	4.130030641
TAF8	129685	4323	9.597592439	8.041151705	9.188418953	7.211206314
DAG1	1605	5883	7.052590874	6.704298011	6.177286921	4.714049673
GUK1	2987	1155	35.92241741	50.93318508	41.34229963	50.30050534
GJA1	2697	3130	13.25571633	4.057975409	4.927727661	0.776085098
ACOT9	23597	1727	24.02454668	17.80597018	21.65454705	110.7673859
EIF2B3	8891	1994	20.80761891	8.940127773	18.22516497	4.872911445
STXBP1	6812	3976	10.43520928	4.707732776	6.855063938	1.527380757
PSTPIP1	9051	1870	22.18737546	28.00303792	21.58042215	16.23760933
NPRL3	8131	2753	15.07097425	15.62176104	13.89122478	6.911846392
PRSS57	400668	1073	38.47717236	12.87570033	28.15817416	0.188656909
MRRF	92399	2036	20.27799899	24.07818794	23.03792585	11.03615117
TMEM156	80008	1880	21.96064146	64.2421889	29.10784744	178.5250291
CARS	833	2846	14.50667813	12.91897153	17.52045105	15.50579484
NCDN	23154	3718	11.10435878	9.229756173	12.27474676	6.315693411
VLDLR	7436	3646	11.32364398	9.289788283	8.808360869	6.829059282
DBN1	1627	3058	13.50098298	17.34276618	12.09118157	9.466097908
N4BP2L1	90634	3051	13.53195868	6.792343389	10.04139312	9.288771161
SPATA13	221178	8457	4.881873708	1.396491935	4.372098053	2.321816212
PCMTD2	55251	3929	10.50801882	6.465494034	8.926767724	3.761086026
DGKE	8526	7784	5.303957598	2.8627015	5.971563142	3.224714672
SUV39H2	79723	3148	13.11499554	8.84818475	12.9536083	5.20862068
TMEM154	201799	3233	12.77018433	26.60483028	16.79560274	78.76755632
METTL7A	25840	3390	12.17876282	18.73372128	11.65494111	10.80814873
TMEM201	199953	3912	10.50143655	6.322706546	9.127588106	3.311719639
TTF1	7270	3154	13.02524406	13.91821144	12.72799767	10.39742416
HMOX2	3163	1872	21.94530971	13.56993913	18.73572136	8.542671033
NOTCH1	4851	9309	4.413107721	7.444512295	5.719600372	17.6573463
ZNF295	49854	7479	5.492929506	3.634922789	4.237560396	6.739508875
UROS	7390	1371	29.96471173	37.22004727	29.58911319	20.52342228
NDRG3	57446	2964	13.86019561	11.80321576	16.75165955	10.17607982
SLC25A38	54977	2124	19.3416289	19.09394945	23.97345927	13.72399071
FXR2	9513	3016	13.62122672	11.96912962	15.27190914	11.74570657
RRP7A	27341	5455	7.531002709	7.843056915	7.59153313	4.341737299
JKAMP	51528	2377	17.28297004	22.87386415	19.91072215	25.20780119
DKFZp761f	91056	4450	9.231824669	18.62781095	10.06570099	57.40791574
EVPL	2125	6587	6.236772397	0.710412385	6.094444308	0.276584146
NCOA1	8648	6952	5.909323903	6.442659614	6.047995902	8.473360058
STX18	53407	2162	19.00167427	22.88106199	24.13845331	26.12287362
NHLRC3	387921	3572	11.50101338	21.77172648	10.3512971	31.792439
CARD9	64170	2147	19.13442933	32.79698574	18.10731071	14.70838501
PANK1	53354	6976	5.859695185	4.152558632	4.936842905	1.683038138
ANKMY2	57037	2567	15.92412684	22.0488905	16.46160977	22.63228814

AAAS	8086	1854	22.04813032	24.27842628	28.49039393	10.59093835
BSDC1	55108	2925	13.9751226	18.13134324	12.20756399	25.74479898
RANBP10	57610	5305	7.705416326	8.064821012	7.407910577	9.348741079
KLF3	51274	5632	7.258031536	10.72224033	8.365856141	27.81959161
UBAC2	337867	2840	14.39339212	9.964701043	12.94491144	9.123554387
C3orf21	152002	2830	14.44425216	6.614115024	12.69201747	3.648011311
MTPAP	55149	5620	7.273529112	6.383640969	5.977629369	2.449317203
FGFR1OP	11116	1902	21.49171062	18.15934076	27.77139345	8.301499112
C12orf65	91574	1901	21.5030161	16.52783196	18.56104953	10.96800257
ACTR8	93973	3629	11.26404894	10.92979275	11.81890509	10.59836979
STARD4	134429	2264	18.0553152	32.87372646	14.37184331	84.31555555
ZNF254	9534	3986	10.25520161	10.78944008	9.276174922	10.36013247
MED16	10025	2952	13.84730136	11.70022566	11.16545487	7.817374789
NP1P	9284	1102	37.09367841	21.4339969	30.67655337	13.40953448
TBCE	6905	1973	20.71831404	13.21410244	19.16876446	5.745573404
MICB	4277	2497	16.37053809	24.27332409	18.36155115	41.91258396
BMP2K	55589	3859	10.59270112	12.81908681	10.45747329	19.56620002
NAB2	4665	2725	15.00081967	5.887689285	10.54485415	11.21715901
ZNF267	10308	3281	12.45877282	17.65818288	13.97403024	32.51448058
FAM104A	84923	2905	14.07133687	17.25898591	15.85544853	18.04787453
RTKN2	219790	6659	6.138644482	1.505852352	4.219983971	0.516787907
GOSR2	9570	3319	12.25454879	12.68917668	12.73183256	12.44214765
C20orf4	25980	2682	15.16511836	13.45969237	13.9438489	9.359127146
CCDC34	91057	2120	19.1853054	14.4000367	18.13859744	3.723927196
DTX2	113878	2835	14.3466834	14.61971053	15.42714131	28.41858464
IPMK	253430	6133	6.631802942	8.64734697	9.818385291	21.71827683
PPP2R3C	55012	1843	22.06882661	21.03792032	22.46978471	20.42960852
DGCR8	54487	4536	8.966677125	10.316328	10.10775865	4.864362007
SLC12A9	56996	3308	12.2952985	21.35367626	11.11352735	19.33721907
SMAP1	60682	3344	12.16293285	13.19404054	12.51028192	9.927731317
FIS1	51024	785	51.81254451	44.28267366	55.44542782	21.91904886
ULK1	8408	5239	7.763475366	6.209882033	8.832098251	5.911741942
KDM1B	221656	3875	10.49621869	11.04100012	11.94099684	9.873304542
GAR1	54433	1280	31.77566206	20.54238812	34.49883994	9.330705402
C6orf228	221710	4710	8.635424085	4.589123231	8.38858819	4.512745353
PKI55	150967	3353	12.13028555	11.23135214	11.46848392	2.475270916
GK5	256356	10938	3.699804468	3.076223752	4.114431722	1.850693572
PRR3	80742	3404	11.88850214	10.60484575	13.15874542	6.065729736
BRMS1	25855	1455	27.81337545	22.6661425	38.33620412	24.90361957
BCL2L11	10018	5238	7.725937624	7.402231223	8.91445824	13.37158965
MTA3	57504	1872	21.61776777	8.927591536	23.25035301	8.218265804
THOC1	9984	2133	18.97255568	14.10333448	18.82048976	7.497365295
GOLGA5	9950	2891	13.99808415	15.10730066	16.73615024	17.71515127
PGP	283871	3136	12.90448382	15.49028229	11.5209484	6.196801927
MED22	6837	3887	10.41123264	10.2043267	11.57799181	8.02007844
PIGO	84720	4087	9.901752208	12.15847534	9.512208488	8.86585918
TRIM26	7726	3499	11.565722	17.06749343	14.31108558	36.56331563
ARFIP1	27236	3091	13.0923524	10.95780268	14.14944859	17.15831837
FKBP2	2286	747	54.17464695	65.32845778	46.38648041	49.86199569
DES	1674	2268	17.84323689	0.982507428	28.59983322	0.981797836
C11orf24	53838	2120	19.08889683	10.72119521	19.83286203	6.779457203
PIM2	11040	2234	18.11479914	15.85962259	20.71233784	12.23272001
CNTROB	116840	3803	10.64119413	7.089864542	8.555838351	3.246952574
MBNL2	10150	4731	8.553891624	5.416562829	7.815437167	6.717677338
CCDC58	131076	718	56.07809903	29.48343322	61.20784173	11.84124268
SPOPL	339745	5741	7.01342538	8.694394946	5.594022597	12.69367543
NDUFS4	4724	676	59.56224128	44.50061012	51.25843323	35.6346667
SEC22C	9117	6416	6.275572803	5.105424666	6.454459668	3.722974724
DCAF17	80067	5842	6.892173075	5.187477769	5.931307919	2.564145132
CYP20A1	57404	10943	3.679436636	3.196996391	3.996705255	1.942340365
NMRAL1	57407	1401	28.73952541	24.97125732	25.1852642	12.7150178
C7orf68	29923	1432	28.11737088	9.803393253	22.72196456	8.057573456

DCTPP1	79077	1143	35.22666238	37.04130368	32.71863759	27.09677693
VANGL1	81839	8691	4.63284721	2.487029159	4.521800209	1.37421504
CIAPIN1	57019	2106	19.11874411	14.07252947	25.48258755	10.09260713
TSNAX	7257	2667	15.09714102	13.61894549	16.5573735	13.20683245
MRPL10	124995	1903	21.15821077	21.31137605	24.75906557	16.27515293
GM2A	2760	3690	10.91167347	26.20850547	13.7420983	42.40582956
LOC10050	1.01E+08	1787	22.53165926	31.17413049	25.30214825	34.66325241
KCTD5	54442	2479	16.24206337	21.21359968	17.04596703	29.96829072
MRPL44	65080	1772	22.72239001	20.12033271	26.11250719	30.95836448
FUT8	2530	5179	7.735023931	5.120117684	7.139376953	5.237587881
ZNF710	374655	4506	8.890299365	14.68737403	7.736792194	23.31570792
LCORL	254251	5057	7.921631192	6.257117112	7.269833592	5.844297803
TIMM17B	10245	1117	35.86364274	37.30502421	33.48021733	28.08994965
IRF9	10379	1699	23.57839255	22.16522879	15.04735499	79.35116111
MPDU1	9526	1634	24.5163335	22.77420952	31.03325748	17.22008075
TRIM37	4591	4520	8.862763039	6.014510517	7.80631751	4.388944374
DPY19L3	147991	6044	6.62800942	25.18112569	7.341131682	14.46877379
SCLT1	132320	3053	13.12141793	7.590762926	8.166263295	13.59250472
CA8	767	2278	17.58546485	4.206235928	7.420009179	0.444312693
MAP3K11	4296	3574	11.20864268	28.1190657	17.32133046	46.61414499
C5orf25	375484	2087	19.09693472	9.823002873	12.04738218	5.819708566
OSBPL1A	114876	4165	9.569100305	6.848159339	6.442536541	2.770334979
GINS2	51659	1196	33.32383175	24.96620381	39.39506838	4.400627456
CERS5	91012	1986	20.06812828	22.10374567	24.25625659	26.39933308
FRY	10129	10718	3.718539165	4.61549319	3.666632358	3.75847581
MED6	10001	1344	29.65424313	26.03030618	30.81236103	26.05669144
RRP9	9136	1588	25.09779771	12.90970214	25.41271374	8.795712559
MR1	3140	7860	5.070649207	13.4380016	5.698774734	25.08469625
LOC90784	90784	3653	10.91029367	7.990988695	10.12177203	3.712765896
PEX26	55670	4267	9.340356871	9.086685527	9.160459539	5.597985898
RPP14	11102	3500	11.38722936	9.995637573	12.79781983	7.634459974
PGAP1	80055	11113	3.586367567	2.506441608	1.958276831	4.389935748
UBL7	84993	1461	27.27946801	26.69111556	30.36947289	22.16880087
C22orf29	79680	6693	5.954774058	2.929818655	4.135410689	1.058570178
MYPOP	339344	1909	20.87758133	17.85929846	23.35310877	19.40517649
UBE2E3	10477	1559	25.56465861	25.58502282	26.15648425	16.62020171
TAF4B	6875	4777	8.343165746	4.524758304	8.624770455	1.059393254
PAPOLG	64895	7386	5.396060489	3.801369927	5.749829005	5.371792193
METTL14	57721	2138	18.54579822	15.21682506	19.46824041	18.17883147
CASP3	836	2689	14.74559933	15.49636	18.77912159	24.69195502
C7orf44	55744	857	46.26711389	35.88204258	50.29415556	21.25857371
HAUS4	54930	1657	23.92934013	31.73718383	19.38158342	14.65990559
PEX6	5190	3514	11.28369852	18.26289505	10.52214947	10.13872507
LEPROT	54741	4777	8.300380281	13.52762792	7.607489838	18.64532127
ATG9A	79065	3795	10.44819937	17.615232	11.46894884	21.17635273
DHRS9	10170	2882	13.75812512	82.88571757	24.48615902	75.15575412
PER3	8863	6203	6.392216121	6.753594185	6.64203264	4.242423373
FTSJD1	55783	4184	9.476796511	8.042001768	8.332214537	9.337660265
MASTL	84930	3626	10.93516729	9.648298815	10.31367975	22.16333662
ERCC2	2068	2568	15.44038808	12.92915499	10.86043166	5.123783525
C16orf88	400506	1974	20.08658389	14.67489818	21.08566261	4.819734832
URB2	9816	5613	7.064121967	3.969939154	7.264913405	2.055664562
RNF7	9616	2274	17.43663879	16.46257302	17.56060681	19.94022221
ZFYVE26	23503	9675	4.098285954	4.007533555	4.4331583	12.78387961
RGS10	6001	910	43.34783564	59.99341512	53.63382404	75.85521128
C17orf80	55028	3653	10.79839322	8.539987918	12.26180383	7.480946208
MRPL39	54148	1171	33.68619166	18.83897164	30.13198561	13.65660134
EIF4ENIF1	56478	3704	10.64971124	7.038721413	9.183813871	8.03375887
C2orf67	151050	5410	7.291410431	5.35457468	5.741009227	6.248728302
DNTTIP1	116092	1317	29.95180747	54.31229446	32.72748012	65.01701521
PDE4B	5142	4309	9.154451249	25.75323207	6.7666041	22.97231701
ITSN1	6453	6439	6.126188916	7.475052012	7.678309389	18.04537464

TMC6	11322	2891	13.64459717	81.47151428	14.54364148	82.41396461
CCNJ	54619	4153	9.498321799	13.73589388	10.27679311	12.91684293
MAP3K3	4215	4843	8.145061002	15.27574878	8.419979133	17.59705788
FAM96B	51647	862	45.76163623	43.42910793	48.04154667	56.12586804
ACAA1	30	1965	20.07457019	31.63883921	20.2145217	38.9405141
GTF2B	2959	1651	23.89250783	20.38021526	22.9073121	71.48154276
DDRGK1	65992	1298	30.39023916	36.73820842	34.67153634	36.80524781
TIMM9	26520	1108	35.60156176	31.77577995	38.519424	15.52929003
AMBRA1	55626	5044	7.820485811	8.261243467	7.749341961	20.94922016
MINA	84864	5289	7.458220917	3.033456854	6.511517508	2.793969937
TRIM41	90933	3641	10.83398254	11.32217706	11.37374711	8.005975354
STK11	6794	3286	12.00442192	12.20629436	9.966262328	8.562876431
RAB8B	51762	4877	8.088277718	15.16925391	13.86326095	73.46710835
MFN1	55669	3527	11.12621045	13.14125274	10.30365153	29.67273097
RABGEF1	27342	3832	10.24064308	11.80454984	10.75170367	16.64015966
C8orf33	65265	2617	14.99508761	12.34648043	13.64429678	6.033416626
ALDH1B1	219	3044	12.89163741	10.46815832	8.815100096	1.529521632
CHM	1121	5442	7.210978365	6.510547018	5.707250996	7.17911991
ATG4B	23192	2912	13.47601108	14.00356501	14.36620287	8.272333342
ARID3A	1820	2823	13.90086584	16.81309311	29.26402469	32.41156431
APTX	54840	2179	18.00924473	11.55580238	18.03532153	10.21898803
MYL6B	140465	1072	36.60647786	21.41022997	36.65948285	17.93912498
GCLM	2730	3074	12.76582442	7.756375168	11.89078195	5.729118763
B3GAT3	26229	1679	23.37233131	22.42925773	21.64441867	20.13437767
APH1B	83464	4205	9.283652342	6.51805475	10.14970792	5.921224767
PACS2	23241	6332	6.165154469	6.440047585	6.940497531	4.699469813
DENND1B	163486	8388	4.654000727	6.375756359	5.692698625	8.712067182
FAM149B1	317662	3149	12.39687459	14.08183686	10.6682366	12.59957356
WDR89	112840	3164	12.33810306	8.380875311	9.415660984	4.67045101
QPRT	23475	1575	24.78587816	15.27995553	25.48832042	16.83694035
MZT2B	80097	967	40.36996701	39.63518281	34.95921594	18.63099152
TEP1	7011	10694	3.65043558	5.000920548	2.607966009	8.177414325
LOC38869	388692	12267	3.182339455	3.48772116	3.169185301	5.874678015
PPFIBP2	8495	3582	10.89831326	13.43714682	12.09195312	16.7277899
NSUN5	55695	2446	15.95983569	31.15649149	14.42541094	20.60702652
DYNLL2	140735	1522	25.51469903	25.03573528	25.40414673	19.55127651
PITHD1	57095	1641	23.66445578	16.0233131	22.27438374	10.97877441
CDKN1B	1027	2413	16.09339906	18.56169483	14.62269173	21.30830136
C3orf58	205428	4370	8.886355132	10.14730075	8.702804816	7.179971112
TUBA1A	7846	1677	23.15645315	58.99684677	21.29226277	51.78412773
ASB7	140460	4974	7.807272201	8.467104426	8.113266872	10.86620555
NAIP	4671	6551	5.927854057	7.007103199	6.869738081	9.393737496
LMBRD2	92255	3237	11.99671669	12.45990607	14.1639769	15.88413074
CCNDBP1	23582	2515	15.44070454	41.55408713	18.06211678	32.03446817
KIAA0391	9692	2684	14.46846942	10.70991667	14.40577918	6.109067772
EIF2C2	27161	3520	11.03220793	6.140559778	9.903973189	3.335475583
PWWP2A	114825	4016	9.669664325	6.491888475	12.15308264	6.451915951
MIS18A	54069	1587	24.46967355	17.69181996	22.3666288	7.015493045
SCAI	286205	12221	3.160869467	3.045009275	3.33671213	1.457633577
BPNT1	10380	2461	15.69645907	15.1211127	18.20088152	21.8797552
SH3PXD2B	285590	7793	4.956882556	1.401103754	2.087633341	1.220859304
DYRK2	8445	6159	6.271957422	4.377781272	5.591722049	2.826576102
PPP1R12C	54776	2942	13.13017871	20.75328199	14.14789191	23.11899998
CACNA2D4	93589	5343	7.229830762	13.13724419	8.264741741	11.17658891
PEMT	10400	1028	37.5768344	17.34106496	34.940087	9.058100872
MAPRE2	10982	3267	11.82399319	22.57655912	13.19317151	19.64185784
RASSF4	83937	2509	15.3961681	23.4467233	25.26322376	33.24061042
HDAC5	10014	5327	7.251546041	4.015757037	6.623719757	8.246116625
EIF2B2	8892	1557	24.80988167	18.74828626	28.36128139	14.56135687
VPS8	23355	5064	7.628156746	8.360626007	7.092892858	11.11280093
RNF214	257160	2695	14.33357542	9.01252788	14.19018249	8.562853572
OSBPL3	26031	6730	5.739819578	2.979931891	6.12192102	2.07542222

KLHL7	55975	3326	11.55279603	5.560767539	12.06978492	6.573156103
PSPH	5723	2142	17.93865527	15.29243915	19.13596812	6.709826923
MARK4	57787	5243	7.328743008	4.845112733	7.777600409	5.868622386
RAVER2	55225	4376	8.780758591	9.929701445	9.077133258	3.746969355
PCYT2	5833	3598	10.6794329	11.27169222	8.514811117	3.825781735
STX3	6809	6498	5.913296336	9.156098311	7.738653925	23.27090807
TARS2	80222	2390	16.07723832	15.94325903	16.70829284	11.26486978
ZNF83	55769	2985	12.87256268	11.12297153	12.5992253	10.10448931
ABT1	29777	2264	16.97199629	17.81480386	17.2648767	12.69650996
ARHGEF40	55701	5458	7.040051226	1.428938066	7.509938385	3.560493009
C10orf118	55088	6277	6.121491093	12.06995584	7.135951794	36.92544975
SUFU	51684	4994	7.694152902	8.52243548	9.90000684	13.94383838
SIK2	23235	5694	6.748261256	7.631256327	7.161566376	7.465764176
SIRPB1	10326	2469	15.56281879	46.93114462	13.86315567	49.27490751
SLC25A22	79751	2968	12.94629366	15.09075796	9.966262328	9.343919887
C12orf41	54934	2402	15.99691906	12.52390193	14.1618845	10.70294155
ISOC2	79763	1170	32.84153811	26.66374005	40.99285541	18.33970895
SLC33A1	9197	3811	10.0825504	7.952045428	8.593318817	5.789752312
HEATR3	55027	2625	14.6379427	7.97953233	13.68320359	3.315977565
ADAT2	134637	6270	6.128325294	2.843160252	4.077425219	1.033129763
LPPR3	79948	2357	16.3023333	17.86821273	11.74302238	1.116493517
SRI	6717	2030	18.92837418	18.77063502	20.92031381	21.33979146
MFAP3	4238	5346	7.187542011	8.086333865	8.0624937	11.17031698
CHAF1B	8208	2297	16.63918739	10.76814454	17.56873723	4.230119905
ZNF100	163227	4479	8.533202372	10.4973647	10.7081136	10.98240985
DDHD2	23259	4723	8.092359395	9.719147376	9.036528011	4.671764993
KIAA1586	57691	2903	13.16576418	11.89771482	12.30007739	6.973092076
NEK6	10783	2810	13.60149944	13.87748037	10.52664291	8.500571469
MTERFD1	51001	1424	26.84003752	14.70946093	24.77847974	9.524391726
ENTPD6	955	2787	13.71374719	12.23301068	14.63148868	12.34765221
PCGF5	84333	7179	5.323890991	5.245678189	5.856758255	18.30008804
LRP6	4040	10088	3.78868095	2.120533082	3.392955129	0.983248839
ZNF618	114991	9133	4.184847632	3.464605413	1.966408049	2.970050108
MRPS9	64965	1473	25.94719173	20.57382561	25.10171978	7.97072237
LETMD1	25875	2133	17.91852481	22.14745859	16.0469439	18.50615484
TPRA1	131601	1873	20.4058801	27.95818522	26.84771661	47.12172144
GABARAPL	11345	1031	37.07101205	36.52640516	45.90473962	39.46479287
XYLT2	64132	3567	10.71494629	8.808356756	10.24734054	6.696553358
INSIG2	51141	2592	14.74545271	12.8094406	17.3625209	17.10336458
NUFIP1	26747	3487	10.96077242	8.115787486	9.512964592	2.496254978
TSEN15	116461	2090	18.18939103	11.94127306	16.78146908	8.2327528
ZNF263	10127	3305	11.50251959	8.697554109	12.21040527	7.717408996
CEP41	95681	3526	10.78157324	8.847582491	8.808525218	3.329799788
ICOSLG	23308	3239	11.73690252	2.820666895	12.00259219	3.249861338
ZNF652	22834	11492	3.308025344	5.487439069	3.015201955	4.19231373
SBDSP1	155370	1734	21.92377581	17.34856542	27.41584274	10.38994741
HMBS	3145	1526	24.91207553	14.45637994	26.44520932	7.03062237
PYCR1	5831	2059	18.46324782	6.168753293	16.41843702	2.261225764
LRR8A	56262	4637	8.198366887	4.853590934	8.019434548	4.059927594
MTM1	4534	3452	11.01269619	11.61931728	11.32319839	16.06764439
INO80E	283899	1185	32.08086688	30.08711355	33.87688157	14.69103984
RWDD2B	10069	1712	22.20550657	19.52389177	19.62282538	10.05049845
WDR19	57728	4534	8.339532662	3.931763295	7.689013151	4.107511114
SLC35C2	51006	2461	15.36425887	16.56984206	15.45357864	13.40751916
TOMM7	54543	746	50.68557787	57.3510395	48.43122546	34.73310249
C11orf54	28970	2403	15.73509825	13.90965573	13.62843862	18.36433297
SYF2	25949	1777	21.27824484	26.58442834	25.20673574	32.12433278
GPR85	54329	4951	7.637132112	2.430411023	4.822294089	1.471912556
KBTBD6	89890	5228	7.232486819	3.66557209	5.253829185	1.239044303
NCOA2	10499	6157	6.141211806	10.96610419	7.343663949	30.90516992
DENND1C	79958	2804	13.48482207	33.53616011	14.91953736	39.92266805
OSGIN2	734	4246	8.905191024	9.70891349	8.956961151	13.25370323

HSPA1B	3304	2551	14.82220348	10.30743112	13.33471054	12.53773436
FAM134C	162427	3818	9.903468069	9.805105038	11.73189351	16.59513727
ZC3HC1	51530	1945	19.44032961	15.81023676	19.98786431	13.84217932
TRMT2A	27037	2917	12.96244124	14.59069002	14.34157791	7.841776316
POLR3C	10623	1888	20.02724634	24.78541515	22.60567892	23.05201564
RAD51	5888	2302	16.33668763	15.48793639	16.61274622	6.683142304
ZCCHC7	84186	2701	13.92338205	9.982508276	11.26434862	7.119860045
NIT2	56954	1271	29.58855619	36.99268016	30.58725105	15.60820501
ZNF680	340252	3050	12.33018194	12.05488295	9.005579992	9.889147731
TRIM66	9866	9753	3.855947393	5.597663054	4.267722546	3.611465411
CDKN2C	1031	2104	17.87407553	27.00681303	15.46475915	14.04686977
ZNF654	55279	4957	7.586656228	8.810814244	7.58698558	13.14950451
ARNTL2	56938	1930	19.48552068	15.8176569	15.10740781	9.964115016
LRRFIP2	9209	3826	9.829340021	6.639552028	8.559628335	7.565950706
PARVB	29780	1808	20.80036223	19.10346578	21.61929251	5.710106201
C1orf174	339448	1705	22.05692371	18.4278056	19.82730898	12.1101138
LATS1	9113	4756	7.907286569	8.339827141	7.907629841	8.725382024
STX12	23673	3098	12.13913974	20.35560032	11.59406373	34.30443933
MAP2K4	6416	3752	10.02320227	9.680631027	9.122636285	10.19697631
STARD3	10948	2834	13.26995586	18.0845157	15.1343707	24.78574998
NVL	4931	2921	12.87471925	9.688377597	13.38160933	8.316146373
NOC4L	79050	1682	22.35853444	17.75242554	25.87673058	13.96061124
TIMM13	26517	1977	19.02228372	14.76534229	19.66433793	6.553084081
SFT2D1	113402	717	52.45056474	64.95401829	54.81027282	77.35775237
ICAM3	3385	1796	20.82553939	140.325037	36.11604774	403.0543507
MSH3	4437	4645	8.052243004	10.26613445	9.461190606	6.711312141
ELOVL6	79071	3392	11.02673017	42.96361315	13.26758672	17.96317445
NPHP4	261734	5022	7.447763591	5.768269418	6.352847265	2.499121765
FANCM	57697	7144	5.23553594	3.618223884	5.796726376	2.380182599
NDST2	8509	4006	9.336662195	10.67994894	11.23406245	10.51053507
ZNF562	54811	5801	6.447624332	7.260020241	6.628827197	6.874415791
ITFG3	83986	2970	12.59349116	11.77937088	14.58362831	8.31525969
TUBGCP6	85378	6040	6.192494826	6.124209548	5.5619664	4.390427326
JMY	133746	9145	4.089958311	2.485394625	4.043174766	1.505211884
ATF1	466	2505	14.93120509	13.87700552	15.94124547	15.11145604
TRAPPC5	126003	814	45.69813585	57.48754766	43.34711935	47.74734851
STRADA	92335	2802	13.27561834	17.57531168	11.98939224	23.62392512
TMEM87B	84910	5228	7.115203249	15.42950112	6.991634223	28.49801896
MRPS23	51649	1498	24.83196434	20.23047071	28.49100253	11.8916822
UQCC	55245	2461	15.11510873	14.57783919	15.7969915	15.38163241
LMLN	89782	7154	5.199648111	3.675462231	5.345616691	1.669458053
PAQR4	124222	2701	13.77204094	8.827507319	14.78445757	2.248376856
KATNB1	10300	2661	13.97906147	8.70898129	13.65688799	4.564348657
PHF23	79142	2041	18.22551817	15.94001567	21.6357252	21.22478034
TNK2	10188	4476	8.310608263	9.010883811	8.638317991	39.843572
GPD1L	23171	4068	9.144120596	7.175782129	8.15430372	1.3435544
TMEM161	153396	2594	14.34012436	13.83040179	14.17253218	13.266348
FRAT2	23401	2222	16.74090125	32.39196992	21.10945861	54.29685073
SLC39A3	29985	3005	12.3787962	7.860320993	15.46843511	5.860669244
LTB4R	1241	4331	8.58884382	17.64756658	7.024937806	31.45569725
TMEM167	56900	2768	13.4386859	22.9433942	15.49523358	22.4514671
SEMA3F	6405	3531	10.47688938	7.446688417	8.496866642	6.478182247
ING1	3621	2897	12.76972607	11.9992747	11.74209409	12.50768604
MTF1	4520	7986	4.632343653	8.315068877	5.079723789	31.30473901
PPP2CB	5516	1987	18.61796498	12.78456269	21.1603762	15.58712432
CDK10	8558	1815	20.38231207	17.43374173	22.46719501	8.14176694
TADA2B	93624	4312	8.579289521	10.49049977	9.309857296	14.31836809
PIGX	54965	3106	11.91046246	7.2460081	14.55728877	3.128327567
IGHMBP2	3508	3955	9.353703266	6.986410343	10.36390486	6.704976245
FBXL18	80028	8253	4.482478664	3.618027354	4.17295724	2.992405341
PLXNA3	55558	6763	5.47004235	3.624367192	7.46666538	8.081589975
TFE3	7030	3431	10.78224903	15.91198128	11.33092279	36.75697512

TMBIM1	64114	2375	15.57637744	16.41925045	24.37558931	51.31038968
EEFSEC	60678	2239	16.52250845	13.933263	14.4379493	8.408166259
CSF3R	1441	3500	10.56968469	56.21750304	11.22827589	118.7968241
KAT8	84148	1840	20.10537849	18.04460328	20.89881879	10.34147452
C2orf197	284756	2732	13.46614577	7.911702203	11.52321722	2.296960012
FZR1	51343	3615	10.17690463	10.35570983	7.831855608	8.063556367
GDF11	10220	4260	8.636035269	4.603116492	7.489201635	0.902851736
CIR1	9541	1809	20.33693214	21.55650626	22.42491663	56.17428922
PCYOX1L	78991	2561	14.365291	30.88856036	13.36514305	15.88762259
JMJD8	339123	2074	17.7384331	16.86824084	17.01280383	6.148996319
IMPACT	55364	3764	9.774046293	5.860902176	7.521827317	1.559627265
SH3PXD2A	9644	11264	3.266114191	0.415437356	6.640163842	0.611024622
SIN3B	23309	5129	7.172842708	8.776019169	7.826887241	11.76131822
SRP19	6728	1967	18.70336057	19.03197307	18.47533246	18.21551029
DNAJB14	79982	2783	13.21937127	12.3306624	11.76756666	18.76631212
RCCD1	91433	2774	13.26226036	8.755862522	10.8917523	5.691943515
ATXN7L1	222255	5691	6.46450716	3.915527759	4.195251807	2.454329915
RASAL3	64926	3290	11.18222196	12.86875687	8.926620617	18.70467305
F11R	50848	4830	7.616875828	21.03761993	9.79871357	46.64665103
CHAT	1103	2528	14.5528126	0.08814584	7.020537957	0.160149417
SOAT1	6646	3407	10.79821258	9.352824748	11.41074144	31.01492999
TTC33	23548	5519	6.665973953	3.956804331	6.278438279	3.227711531
CCDC104	112942	1315	27.97681388	31.0101759	26.83236133	14.16232349
DIEXF	27042	8505	4.325633186	3.641827534	5.018168347	2.213507849
RCL1	10171	2169	16.96150772	14.38293032	12.27380356	5.599691921
BRP44	25874	2392	15.38023004	17.14097575	14.39774921	12.77874511
SNAPC1	6617	2684	13.70697103	7.721102713	9.446412579	4.525235386
DPYSL2	1808	4655	7.903224543	4.83482302	7.216815694	0.869726586
GOLGA1	2800	4899	7.467875909	7.050227829	6.253580404	7.355039315
ZBTB24	9841	5597	6.5365596	6.688563701	5.62469706	3.508236503
QDPR	5860	1660	22.03923137	16.64533308	24.81959546	7.804486283
PDE6D	5147	1140	32.09221411	29.3200901	30.58068914	26.99051506
RBM18	92400	3203	11.42214302	9.670228904	13.19292921	11.81835697
RNF181	51255	716	51.09654201	52.90720168	57.54263752	88.2092252
CHMP2B	25978	2643	13.84227169	18.04244969	12.87054354	23.66648455
LIG4	3981	4115	8.890674138	8.231000749	8.3178934	13.47885989
ZHX3	23051	9991	3.661808035	1.338200489	3.764256583	0.567311397
SLC25A12	8604	3995	9.15772818	9.147574543	8.567742513	6.080466472
ACOT13	55856	4407	8.301593846	8.6463329	8.725624363	9.87569901
HEATR6	63897	3935	9.297363171	7.644831624	6.980182713	5.350089389
NTAN1	123803	1137	32.17689013	14.69872591	32.33381572	14.24301586
PCK2	5106	2221	16.47236564	15.95245244	14.84035244	12.8511795
ANKRD18A	253650	3756	9.740448371	10.67888266	8.550395028	1.886317946
ATF5	22809	2293	15.95513479	10.39821076	21.46940663	40.16796016
EXTL3	2137	6172	5.927596254	5.090636511	6.264600021	8.330675825
PHF2	5253	5349	6.839619383	8.956632496	7.346974315	9.612438061
CRBN	51185	2596	14.09288293	13.30472501	13.26633902	11.54062855
C9orf69	90120	2866	12.69390716	14.61707772	12.23770774	6.286171948
ARAP3	64411	5281	6.888986539	14.89489447	5.961262913	19.01244386
SUV420H1	51111	4562	7.974734308	8.792170814	9.587011311	11.04883535
MGAT5	4249	2421	15.02715321	16.10727791	12.30530828	8.528601413
BCAS2	10286	1310	27.77155566	20.41215433	29.67663824	19.3157312
CC2D1B	200014	5670	6.416355893	7.545657049	6.632925489	7.81868095
ZBED6	1E+08	2940	12.37440065	10.23211307	10.27677581	10.67226999
CENPK	64105	1781	20.42714088	17.89167542	20.87934756	7.615235159
NDUFB3	4709	770	47.24771157	52.09075747	60.64147047	43.37761349
C18orf19	125228	4392	8.283410271	4.870659776	7.600863455	3.364596311
NDUFA1	4694	502	72.47158947	69.2468104	65.23732672	60.08346729
ZNF766	90321	2975	12.22881947	7.115665563	9.303631509	7.824981257
TANC2	26115	11747	3.097023743	2.238380591	2.608009738	2.08511896
SAMSN1	64092	1893	19.21856202	59.7987342	29.24279317	214.9403141
CENPV	201161	1181	30.80502787	36.03813953	32.56039506	14.05517931



AKT1S1	84335	2389	15.2284378	14.73736467	15.21179529	15.50627121
NLRP3	114548	4470	8.138867542	7.826561858	5.861143268	11.72909967
SNX9	51429	4200	8.662080455	14.2188475	11.72127367	15.51954616
PHKG2	5261	5503	6.61107358	8.705983503	5.567197964	10.59413275
THEM4	117145	5172	7.034172063	7.712113412	9.27332576	4.070495311
TFIP11	24144	2941	12.3701931	10.22863395	13.43429118	9.360872275
NKG7	4818	826	44.04447689	45.59167521	42.71737911	80.38337415
GPSM2	29899	3039	11.97128592	15.54476116	8.829603387	3.996621184
FLJ31306	379025	2498	14.56394632	19.00054518	19.45376105	15.88312936
TLN2	83660	11650	3.122810121	1.778836024	2.593452436	0.556027778
IRS1	3667	8743	4.1377504	0.152921893	2.392450117	0.625137744
MRPL21	219927	726	49.8296856	44.19821846	55.87696168	21.19090025
PAAF1	80227	1585	22.82419668	19.40120536	21.32843017	10.08951431
EML3	256364	3265	11.08004648	19.92868115	12.87769296	13.63992338
RPUSD4	84881	2527	14.31592867	8.729891488	12.87607964	4.405851786
TAF1B	9014	2306	15.68792357	16.13749278	14.01845988	16.06438938
KIAA1737	85457	4397	8.227507788	6.28411483	6.631179683	3.268694398
SEC14L1	6397	5584	6.47857302	8.260452318	9.156681993	16.74823329
CEBPE	1053	1250	28.94108139	210.7105867	43.10209132	243.724351
YAF2	10138	5095	7.100363443	7.522516541	6.220356075	6.635057922
DYSF	8291	7004	5.165098764	48.96337833	7.511408564	102.6884281
CECR5	27440	1809	19.99798327	10.83984315	21.14015578	3.804633135
CDK5RAP1	51654	2104	17.19408353	15.03908804	17.47316943	9.909777987
FBXW8	26259	4871	7.426883955	5.764097368	6.810040553	2.701267931
GZF1	64412	4752	7.612868633	5.345733599	7.825361532	8.562331956
NUDT19	390916	2984	12.05494825	10.60396824	10.33765924	7.394351897
PAN2	9924	5372	6.696196124	6.305020119	5.978273218	4.672594752
AFMID	125061	1770	20.32314439	16.99571324	22.79965504	5.718329462
ZEB1	6935	6278	5.729844787	4.47227115	5.55304008	5.96517038
TGFBR2	7048	4704	7.647101525	6.063474415	14.10361715	25.64787464
RIOK3	8780	4035	8.914985273	11.32111533	8.639897305	17.40838053
NDUFB7	4713	573	62.77829943	56.38872476	60.10369302	43.10003714
TRAF3IP3	80342	2267	15.86765133	39.21933887	18.45363156	68.66687058
SLC35C1	55343	3531	10.18747255	7.509795946	9.274748799	3.955704204
CMTM7	112616	1369	26.27608881	25.71772402	33.79938841	27.35525175
TAF11	6882	1599	22.49653882	22.29720423	25.63429875	15.44485383
CTNBL1	56259	1897	18.96255434	23.37570072	24.94875411	21.87554924
ZBED1	9189	4606	7.809805813	6.676272361	6.926617231	8.394249419
CREBL2	1389	3748	9.597642896	9.572055028	9.245117626	11.82815395
POLE2	5427	1861	19.3293743	11.73433805	21.4577216	3.154452996
LRRC37BP1	147172	4607	7.808110609	6.142772078	7.429592216	3.69091046
RNF145	153830	3632	9.847901819	12.63863796	10.1802955	9.474919246
CLOCK	9575	5801	6.165760974	5.262554354	5.609007628	5.757759419
TRMT11	60487	1967	18.18382278	9.969128753	17.50859995	7.615524077
ZCCHC9	84240	1802	19.8488232	19.90902455	24.62253046	18.08604158
EXOSC1	51013	1150	31.10224296	32.35918118	30.49849599	24.99556395
RBM42	79171	1669	21.43054488	22.96418321	21.77410363	17.34411468
NDUFA8	4702	859	41.63862562	35.27968001	39.60051988	25.92220597
TIMM10	26519	684	52.29178276	43.65435637	62.39696169	25.45158218
C15orf29	79768	2750	13.00639251	10.29081853	11.06363841	7.361049562
LOC20218	202181	2857	12.51927876	10.13939413	10.50137771	4.95975513
PGLS	25796	1043	34.29298122	63.88012727	38.0839263	35.90540714
DNAJC12	56521	1218	29.36582874	19.02676454	26.36722802	9.97186517
ARHGEF17	9828	7830	4.568017804	1.394482957	4.830136946	1.292649189
FAM63B	54629	5013	7.094193744	6.623193702	5.816336938	7.10701773
NFATC4	4776	5672	6.269956495	2.200040611	3.240792355	1.891524989
ZW10	9183	2900	12.26317008	12.14053938	11.7299471	6.142668945
MSL3	10943	3564	9.978449282	10.3788512	8.773890202	17.77784346
SLC25A28	81894	1584	22.45151088	24.19647839	18.00722398	49.07366375
RRS1	23212	1724	20.62830234	17.31994185	20.22156939	4.931561627
COX18	285521	4523	7.86274447	6.306120638	6.11945694	4.475544173
CDK2AP2	10263	1397	25.45683124	24.56423296	29.49214636	14.78006014

PKMYT1	9088	2225	15.98345764	13.82063393	17.47253757	8.097154518
RNASEH1	246243	1648	21.57960755	14.73832684	20.51308363	13.75730137
THAP11	57215	1903	18.68796282	11.59245181	15.43278078	5.956918721
ZNF740	283337	4256	8.356013449	11.57096413	6.801224696	10.32120847
FXC1	26515	2861	12.43033668	16.74555303	12.84989461	9.693377919
PGPEP1	54858	7084	5.020213614	8.430146741	5.42826462	10.83011562
SHMT1	6470	2540	14.00125718	14.56308097	14.64020394	8.607211496
BBS5	129880	3196	11.12740715	10.59779977	10.64356902	13.30102041
C2orf69	205327	3742	9.449173456	6.550399605	8.751773921	4.652293483
RAD51AP1	10635	2269	15.58343194	14.04366413	12.57093115	10.43815644
MRPL46	26589	1020	34.66549713	30.14795147	31.6927142	22.62440233
EMR2	30817	6771	5.22209527	7.240169937	10.64068876	16.3234617
FAM49A	81553	4702	7.519950462	20.9942321	8.178185148	19.93291441
LYSMD3	116068	4261	8.298241509	8.367338549	9.570044342	7.696192396
TXNDC11	51061	3047	11.60446573	13.45625664	10.5399684	15.67876983
NIF3L1	60491	1649	21.44257554	16.75636926	19.21935367	9.820684679
RNF11	26994	3082	11.47268237	14.60486772	10.14605603	19.96702607
GALNT6	11226	4520	7.822744927	6.211707584	7.245384516	6.762557147
B4GALT2	8704	2227	15.78555047	7.004170603	11.29002542	0.908975586
TMEM161	54929	1795	19.5846356	13.53134409	23.65918498	7.555840567
DERA	51071	1741	20.19208553	23.55038139	18.4464582	16.27802459
USP46	64854	8057	4.363214708	3.291186482	3.04195511	1.658223279
TMEM63A	9725	4469	7.866283487	8.825550503	8.084514252	27.72129428
ZNF507	22847	7730	4.547790544	4.064606539	4.701290938	3.27342922
DSN1	79980	2441	14.40164724	14.05826852	16.87854505	6.717221589
RHBDD1	84236	5169	6.801010041	7.113057261	5.559049631	6.070124542
MGC2752	65996	3359	10.46574007	9.950849274	7.736834072	6.388049858
SAP30L	79685	6287	5.591605043	4.820303026	4.704925496	4.314532788
PRNP	5621	2755	12.76022537	7.117704631	16.33526467	6.686398014
ZNF236	7776	8140	4.318724927	3.504002905	4.360668293	2.90960405
TWSG1	57045	3779	9.302572348	5.719706383	5.255561675	4.713876671
PLCB3	5331	5728	6.137294152	9.414369712	6.233785732	5.937159388
CCR1	1230	2690	13.06855796	44.56653695	15.63035967	246.300992
CRAMP1L	57585	7702	4.537786904	3.674337959	4.581219832	2.917372603
CEP164	22897	5634	6.203414046	5.814058335	6.637806667	7.796780842
NFATC2	4773	3254	10.7406376	13.62744446	12.72643308	17.1697499
MPV17	4358	1051	33.25407682	35.61930641	29.55172209	22.92010913
RPP30	10556	4272	8.181187906	6.467989913	10.97968563	4.92804348
NAPG	8774	3729	9.372495236	7.947639332	9.348883246	7.70847373
TMEM110	375346	4746	7.3641034	5.493346843	7.211995647	8.70111421
DTWD1	56986	2750	12.70910354	9.237427658	12.44659321	2.723588338
RRP15	51018	7782	4.491137848	3.83700588	4.669876504	1.664796611
PTPRS	5802	7347	4.757048419	1.334509069	5.3489813	1.432734568
C17orf62	79415	2437	14.34141762	28.71131022	16.4727553	53.82597587
KLF16	83855	2904	12.03513593	10.28222443	12.95064997	5.228018155
CASD1	64921	3898	8.966145391	10.69002361	9.322980748	7.374268481
SLC25A33	84275	1476	23.67888532	18.72036105	20.61314745	14.67472109
ABCF3	55324	2626	13.30922876	12.47387839	13.3561578	9.635798884
HSDL2	84263	3393	10.30062916	10.83624904	9.65197112	13.72196831
FAM190B	54462	7676	4.553157209	4.557677372	4.431585016	5.300703681
OFD1	8481	3654	9.564869933	11.40386208	11.04416788	11.46764495
VEGFB	7423	1172	29.82084875	34.22344987	29.56544442	39.03491726
HDHD2	84064	2245	15.5679442	10.81904795	13.08177364	8.295525787
RBMX2	51634	1528	22.87305938	21.72910342	25.0278415	19.20954524
PLSCR1	5359	2228	15.68673013	18.70274329	9.577989631	170.3564264
FCGR2A	2212	2429	14.3886516	12.01773639	21.39812733	70.2542328
DBR1	51163	2690	12.91659798	18.88693387	13.98092473	19.64086737
YIPF2	78992	1554	22.35884721	22.79948319	21.6179389	16.28288795
IER3IP1	51124	1491	23.30358724	19.27928661	31.31719132	16.02052705
C9orf167	54863	4069	8.539112452	15.71712473	10.22931875	22.78506248
ZDHHC4	55146	1570	22.13098635	26.9670128	25.30034085	17.01949676
POLR1E	64425	1854	18.74091077	12.3795936	14.47312011	1.746958904

SF3B5	83443	786	44.20565975	43.94283223	48.92344347	20.34590353
THOC6	79228	1444	24.0620835	23.14743955	34.23866631	13.03731597
PAPD5	64282	8114	4.282184936	2.279407547	4.296522754	3.118512185
POLK	51426	4512	7.700719984	8.938988461	6.602648793	14.93989614
DDX19B	11269	1831	18.97632363	13.99549904	19.61682656	13.93011291
NCKAP5L	57701	4918	7.064995642	9.19785177	7.776035341	10.61948895
THOC5	8563	2694	12.89741966	12.15902177	13.80331032	9.768282177
COMMD2	51122	3724	9.330195641	6.821408717	10.26921101	6.63166522
TTC21B	79809	4916	7.067869928	5.89264626	6.446849919	4.035400441
RXRB	6257	2892	11.94372835	13.25284294	10.37428635	8.119553286
DCUN1D2	55208	3046	11.33987603	9.802882389	12.00008658	6.845099437
NSDHL	50814	1648	20.95950388	22.03988326	19.10280913	10.07230993
TTBK2	146057	5635	6.129771499	5.615304567	4.424419138	5.172982478
PRDM10	56980	6341	5.44728945	6.009208183	4.898101233	5.778209146
STIM2	57620	5222	6.61456576	6.230098041	6.230917895	8.799569493
C7orf11	136647	953	36.24476642	24.55134512	31.26038967	16.56815458
AMMECR1	83607	4726	7.308773254	6.271000227	7.421343713	4.411801287
ZNF277	11179	2687	12.85495437	11.19553868	12.81705102	12.88252161
FAIM	55179	1538	22.45855813	4.056771894	20.60644617	1.184564218
PRKAG1	5571	1854	18.63067012	25.48032857	21.76666096	18.56143835
FEM1C	56929	5813	5.942071632	4.063351898	5.597428737	12.95433288
XRCC6BP1	91419	1182	29.22272623	35.44208522	26.63403506	11.30313448
EPG5	57724	12715	2.716575887	4.206043597	2.293141728	7.259737437
KATNAL1	84056	7536	4.583500849	3.252600228	3.140113226	1.343078974
ZMYM6	9204	5159	6.695340647	7.126844928	5.569825072	7.415982768
GRHPR	9380	1235	27.96863352	25.07995399	34.9004788	11.14588071
NCKIPSD	51517	3023	11.42615362	11.35171467	9.924722499	12.25421168
ZNF281	23528	3535	9.771219915	9.707562504	13.62741884	19.46981992
SPNS1	83985	2230	15.48935534	10.09242204	17.33861495	13.43474068
FGD4	121512	8312	4.155589798	13.37746748	5.185525904	43.90991818
PIAS3	10401	2902	11.90257147	6.680373388	9.537664968	4.952601402
IFIT2	3433	3505	9.796541008	6.802595511	4.521071926	530.8776343
TTC31	64427	2929	11.72307143	12.4007264	11.54167355	11.88725313
ANKRD50	57182	8802	3.901031156	2.405033521	4.392764296	0.459961061
TMEM160	54958	696	49.33459229	40.66056173	40.3748179	25.0127618
RNF216P1	441191	2443	14.05520926	9.942186916	14.5296111	6.794583202
PFDN4	5203	1383	24.82782085	16.91788279	24.74919114	11.12407345
ENTPD4	9583	2966	11.57682948	13.59835332	10.68533857	19.31468922
STAM2	10254	5701	6.022956715	6.058422406	5.336784009	9.267485219
PRKRIP1	79706	2181	15.7436388	14.71247437	15.01565246	13.36531695
EHD4	30844	2904	11.82399319	8.056966907	11.71379014	43.56681796
BHLHE40	8553	3061	11.21753552	32.24922553	9.663465074	68.90913924
NAA30	122830	4490	7.647411187	5.558409953	7.670248575	4.643691066
DRG2	1819	1888	18.18690478	20.06438369	22.04613241	12.00849187
SELPLG	6404	2638	13.01625331	36.99799694	17.86069059	14.96346788
HERC2P7	1E+08	1779	19.30122329	16.65921702	21.02158671	7.851372425
JUND	3727	1890	18.16765938	48.92886993	20.7931035	101.1073263
PTBP2	58155	3498	9.816145292	7.198425779	8.758230531	6.423557401
LARP1B	55132	3979	8.578157844	4.592178977	8.761494251	1.068360423
FMR1	2332	4411	7.738039008	12.83144455	8.669812244	33.73049519
PCGF6	84108	2248	15.18349202	9.813361116	15.60198861	5.583002448
ACTR10	55860	2451	13.92594454	10.63705594	13.5339484	9.332705636
ZER1	10444	4299	7.939634814	7.153038031	8.35506151	7.628163712
GPAA1	8733	2105	16.21495965	30.6990397	18.87008795	20.19480343
LMTK2	22853	8961	3.809004582	3.879243256	3.607473328	5.963756257
GORASP1	64689	3057	11.16535494	12.31884976	12.44071215	14.17068259
ATAD2B	54454	8066	4.231650144	4.641196508	5.081731181	5.571436595
MRPS18A	55168	1207	28.27878216	25.66175905	26.78257538	32.87162978
SNX20	124460	3304	10.3306568	8.565299928	8.505106919	13.66272289
ZNF431	170959	3861	8.840323767	10.33075643	8.810372074	9.122668261
ITGAM	3684	4745	7.193359339	53.01962088	9.128214137	68.1304308
MTX1	4580	1632	20.78927935	18.43285076	24.72756705	21.70652636

NOTCH2N1	388677	4962	6.837586436	9.340829993	4.38579815	5.670619095
PEX14	5195	1945	17.44375522	15.46653596	15.64267642	16.23593965
FBXW7	55294	3896	8.708445558	8.693677639	6.724668996	12.05428547
TMTC3	160418	7203	4.710274038	3.774203462	4.311933905	3.259995572
SPATS2	65244	3796	8.937856664	13.97106928	9.629152717	20.0509095
PPCS	79717	1489	22.78583203	34.27043976	24.26440174	30.86054526
E2F2	1870	5201	6.523380868	3.556068609	7.35292094	3.269375983
HDAC8	55869	2422	14.00830053	11.13243388	12.21299199	10.28024366
TIPIN	54962	1295	26.19930803	19.96030226	29.36776606	9.535259182
RPL18A	6142	618	54.89984449	59.4941634	62.56490506	28.16971232
DDA1	79016	4078	8.319790067	11.36566906	12.48642165	9.133622066
ZCCHC24	219654	4933	6.877783072	13.82258292	6.938603556	8.986807417
DEF8	54849	3724	9.110661626	18.60928167	9.361435452	21.74316466
ELL	8178	4077	8.321830732	9.564807415	7.514420014	14.34926205
LPIN2	9663	6245	5.432842898	6.993627896	6.394366677	16.79073675
DHX57	90957	4845	7.002704622	7.12880622	7.326282747	3.927412408
ETAA1	54465	3298	10.28747844	10.6754288	10.44251549	5.524135132
COG4	25839	2838	11.95493442	16.56719397	12.35844622	16.83340791
BEND3	57673	6660	5.06362128	2.442460358	4.66349248	1.154999518
AP1AR	55435	2911	11.58492536	5.664589032	12.48401888	8.066557232
POP7	10248	949	35.53605661	25.35925179	42.52411952	11.09199249
UQCR11	10975	1335	25.26121178	35.88691177	24.0563923	26.68725085
CASZ1	54897	7938	4.248389736	2.863307363	3.433576999	2.091101885
C19orf56	51398	861	39.16808098	37.00937737	39.263138	23.98111965
ARL8A	127829	2345	14.3811163	30.21782249	15.58731928	42.29856838
UTP23	84294	3693	9.131794673	8.085453495	9.096744397	4.714021721
PHTF1	10745	3244	10.39572063	12.08956613	10.87686657	14.28983034
DCTN6	10671	1126	29.95001574	24.3414034	27.77099883	25.88788301
WDR55	54853	2580	13.07120842	17.10111302	14.33133071	19.0659743
C17orf39	79018	4232	7.968742374	5.160114155	8.387485801	4.639791991
LZTFL1	54585	3398	9.924578495	5.770828798	8.394185634	2.382917751
CEP57L1	285753	2915	11.56902838	7.185685203	7.465636508	2.986086143
TMEM115	11070	2178	15.48380061	12.78883636	14.06624903	11.24604794
MTFMT	123263	2763	12.20547149	10.40369755	11.6233383	5.201755074
VAR52	57176	3629	9.292840377	10.31575945	8.849623513	3.067949149
SH2B1	25970	4876	6.916266966	12.29327157	6.759725753	10.91853793
UBIAD1	29914	3687	9.146655201	5.439365779	8.996937221	2.525556739
TM9SF1	10548	2449	13.68694633	14.83124851	15.18420498	12.64663782
CYBASC3	220002	3214	10.42916352	10.05312361	10.45248197	6.1093963
DPH2	1802	2513	13.33837308	8.86719796	17.8242616	5.155370963
CEPT1	10390	2251	14.89086253	12.47308675	15.86278306	19.69432296
RUNDC1	146923	3844	8.719909355	9.564878507	9.893667285	11.95404576
VRK3	51231	2129	15.74416701	15.49048255	12.20668184	18.63600617
DCLRE1C	64421	4108	8.159525696	12.47602665	7.766309388	19.95708118
SLC30A6	55676	4965	6.751124181	7.71948072	7.234322141	5.667192739
SCAMP4	113178	2548	13.15515367	19.06496282	15.17469047	14.4592045
FOXJ2	55810	5499	6.095532198	4.254852136	6.224428322	4.56468067
PRSS21	10942	1165	28.77195842	21.80508675	21.58187691	12.51062501
SERPINE2	5270	2259	14.83812818	9.568291465	9.072431099	3.136348032
CLU	1191	3012	11.12859614	1.183706161	10.87288779	1.881808819
NME2	4831	846	39.62095929	-	33.96539899	9.0925494
MRPL22	29093	3190	10.50762745	7.33461815	11.25968948	4.949671257
TMEM11	8834	1688	19.85742391	20.72555184	18.27462983	17.50865758
PTGER4	5734	3432	9.766705	2.726973415	5.848500096	6.311156275
C2orf43	60526	2876	11.65484407	10.84720997	11.46050861	5.419687916
USP54	159195	6202	5.40460038	4.455216528	5.82549084	2.088914419
ZNF430	80264	3919	8.553031783	10.57588144	9.111284682	11.20874286
LIN9	286826	3340	9.974534548	10.07417227	8.856247482	5.091025296
PLEKHO2	80301	3738	8.912505455	28.13724644	13.11344693	91.19588155
CBWD1	55871	1838	18.12565038	15.76074484	19.54211612	13.32638325
IFT80	57560	4542	7.334862482	7.310011014	6.838146174	4.947072609
CCRN4L	25819	1971	16.90255981	15.149457	13.29239493	6.470328953

TMEM9	252839	1557	21.39688208	11.01998505	17.91238825	8.580799586
DDX60	55601	6099	5.462361927	7.672546941	3.637465149	62.66366507
MND1	84057	941	35.40376768	20.36515503	39.74219209	6.453630062
COMMD9	29099	3006	11.08281616	10.74874893	13.70609729	9.495166226
GCDH	2639	1839	18.11579412	11.75354563	18.03790513	5.723926522
RBMXL1	494115	5128	6.496674218	6.083575636	5.521091658	6.868686068
GYPC	2995	1075	30.99064688	49.33411997	32.822842	15.44108536
CCNG2	901	5489	6.069401602	4.912143351	7.236570438	9.256630461
QTRT1	81890	1352	24.6412318	24.06329288	25.62921661	8.234901969
YARS2	51067	2173	15.33131403	14.76663903	16.33494704	6.800417393
IFT172	26160	5430	6.135349059	4.596180606	5.136204144	1.192950942
ZNF587	84914	6946	4.79627777	6.544466986	5.536110937	5.478926898
C1orf31	388753	710	46.63459045	29.50179206	39.8762789	27.65577423
SNAP29	9342	4277	7.74153828	7.710834076	8.941440684	7.430753211
FEZ2	9637	2110	15.69220816	12.6729489	13.51821933	12.37598262
IMPA1	3612	3597	9.205048436	9.168539711	8.810874118	11.03031892
CHCHD4	131474	1646	20.1157711	20.30674527	19.38274542	7.378937896
FAM117B	150864	5795	5.713642661	2.499417517	5.870033922	1.117812531
PNPLA8	50640	3548	9.332175655	10.30004518	9.82581331	13.80715469
USP38	84640	5195	6.373543643	9.179248226	7.076717705	9.819455912
ACSS2	55902	3027	10.93840741	21.56920272	10.12100773	23.60666952
PYROXD1	79912	4136	8.005454358	8.243085291	8.582166322	8.320335276
TMEM184	55751	2986	11.08859987	10.89536905	12.52424741	11.66033638
MAN1B1	11253	2737	12.09739102	14.08478424	15.67073678	11.24193905
PDE1B	5153	3463	9.561235698	19.30401543	11.95836362	41.56134033
GPR108	56927	2076	15.94920965	21.03815328	17.50528851	25.4498715
SFXN2	118980	2562	12.84393952	9.13248708	14.92683131	1.896289114
USP21	27005	2358	13.95512004	13.0410986	13.70931658	6.867815537
FAM195B	348262	1252	26.28288583	26.51922526	22.10727136	18.27033667
CCDC125	202243	3624	9.080069828	10.32999201	8.803531723	9.830982307
SEPW1	6415	893	36.84901798	46.16354611	43.06139593	44.8834433
MIEN1	84299	781	42.13338419	46.22137635	37.60381796	44.3218125
STAMBPL1	57559	2010	16.37123038	8.203790384	13.77030037	7.049761396
C17orf81	23587	2184	15.06692905	14.48820569	16.73638449	10.38096733
TRAF2	7186	2298	14.31948349	11.15133105	14.71086241	7.399488463
CENPO	79172	4125	7.977254074	5.726124747	8.451390454	3.53330379
ZFYVE16	9765	7224	4.555118086	4.380155209	4.913599101	9.387274237
FRA10AC1	118924	3089	10.65269442	9.954972643	9.712669509	5.897895004
NAGA	4668	3726	8.831501088	18.1806592	5.84066839	12.44128009
PRKAB2	5565	5431	6.058952873	3.938857988	4.55170633	2.161825456
CLCN3	1182	4058	8.108963296	9.774326733	10.20498108	10.97445782
CETN3	1070	997	33.00518862	22.35031943	25.64238327	13.40050647
LOC38990	389906	1791	18.37307262	10.9487863	19.58306554	5.31220355
MAP3K5	4217	5215	6.309908544	6.024814679	5.023837087	8.889014308
EFCAB4B	84766	2795	11.77322828	11.87909482	8.542103053	5.069774743
LOC73127	731275	3834	8.58272641	12.55395407	7.384496093	17.05386613
TTC15	51112	2546	12.92465556	14.44123841	10.62232893	12.24432243
WDR13	64743	2485	13.15967279	12.82296737	14.11399211	11.48590329
SP4	6671	5811	5.627566148	4.256483911	4.144977249	3.622887928
CDS2	8760	9323	3.507646346	7.289924793	5.461721279	6.427002406
RPAIN	84268	2807	11.65008439	9.446772171	11.89276533	6.490415984
TBC1D13	54662	3879	8.430468391	11.89130336	9.205239667	8.975964019
TXNDC9	10190	1556	21.01657255	18.33070928	24.03432054	20.68521157
MPP6	51678	2201	14.85769509	6.985667991	11.51938726	1.195627087
TPRKB	51002	752	43.48641873	29.33568589	38.49203764	19.6506742
ZNF138	7697	2719	12.02713751	7.785621571	9.71334872	6.849376753
C7orf40	285958	837	39.07023523	29.55128794	30.03929104	14.99473059
SUGP1	57794	2101	15.56486763	14.74238133	17.29699141	24.18355288
SMG9	56006	2371	13.79240274	15.13119454	11.58457148	9.391469812
TNFSF13B	10673	2675	12.22496706	16.16057601	5.607931984	140.2245544
INTS5	80789	3300	9.90963239	8.778257278	11.46059766	6.808970845
FBXO21	23014	4248	7.698160755	7.291370805	6.067971018	6.861995354

WDR62	284403	4746	6.890389146	4.131748053	7.790736038	1.023660495
PANK2	80025	2280	14.34288899	14.66004505	16.58770714	23.35034691
DECR1	1666	1251	26.1405171	33.13099869	28.54286544	61.48918299
JAZF1	221895	3210	10.18747255	6.941828185	13.42744278	8.324177542
IGSF8	93185	2374	13.68887983	2.346595248	11.56993217	2.472804139
STRADB	55437	2328	13.95936457	9.763287734	14.70280556	5.652008631
C11orf10	746	420	77.37476362	74.27756158	85.0169635	55.90892405
CCDC12	151903	893	36.3912662	30.19345448	33.36075179	21.53498542
PSD3	23362	11687	2.780645223	0.381334277	2.332141201	0.640871732
PKNOX1	5316	4997	6.503382173	5.930907959	6.553759858	4.537128807
AHDC1	27245	6512	4.990387088	2.669064713	5.288608124	2.642268635
SNX30	401548	7616	4.266990641	3.306209739	4.799404374	4.677977925
GGH	8836	1505	21.59295729	26.50302363	30.74509152	8.87727904
TRIM5	85363	3659	8.881497873	7.247086495	6.929262466	52.00413533
UNC50	25972	1167	27.84695863	19.28543373	28.24372131	20.98876814
CLEC2D	29121	5361	6.061816959	2.660192468	5.005253627	2.983003203
PDE7A	5150	3295	9.862640582	11.36142368	11.92684844	7.126478939
ZNF333	84449	3767	8.62686507	7.275927853	6.506246965	7.254551765
IL27RA	9466	3258	9.974647243	7.318323286	9.727659363	4.597831755
UCLL1	54963	2113	15.37974478	11.70583436	13.09905525	6.227106527
SSBP4	170463	1817	17.88519577	26.2444659	19.76797437	16.7112435
MTUS1	57509	6435	5.01833948	0.207769403	2.593861095	0.377489721
TRUB2	26995	1439	22.44128878	22.29875372	22.7582613	9.847130234
PHF11	51131	1649	19.58339269	28.51285414	13.83793464	65.30755312
SLC35D1	23169	6475	4.987338155	5.850433422	5.318828742	2.594841023
CCDC112	153733	2552	12.65400257	3.405358427	9.603852789	6.583697345
C10orf12	26148	4565	7.074044809	13.71653547	7.173962324	11.61804208
SLC25A19	60386	1675	19.27941167	8.248135196	18.29032263	6.163505678
AFAP1-AS1	84740	6810	4.7419992	9.161989975	3.598976846	5.142465975
ZNF337	26152	3264	9.893693183	8.124108298	7.185235451	3.721118804
AHI1	54806	5649	5.716589582	4.181317858	5.049290633	2.54424664
PLCB2	5330	4694	6.879636675	134.5825865	8.642239919	143.9082053
MYO1D	4642	5182	6.231766606	4.515135449	3.873418049	2.812597092
TRANK1	9881	10499	3.07581813	3.671783452	2.978392674	27.41726289
C1orf38	9473	2723	11.85935165	67.59449049	11.94926671	109.8750861
PRIM2	5558	2353	13.72418808	13.44761633	14.09762326	8.6030116
ST3GAL1	6482	6971	4.632479494	4.539125123	5.789038792	13.88050445
MITD1	129531	963	33.53376381	34.9405352	36.20143886	33.00242106
MKL2	57496	8680	3.720393381	3.106308163	4.795287787	3.241660363
POGLUT1	56983	3695	8.739652111	9.709353787	10.57853338	7.615050596
SESTD1	91404	10448	3.090832174	3.092528645	2.487368458	2.421861396
ADAT1	23536	3603	8.906086146	9.338810823	7.9165814	7.865678827
C12orf47	51275	2285	14.04316341	8.386700607	12.76030506	4.783876849
SHISA9	729993	6738	4.762337249	5.489793064	4.32729253	6.579388689
SPICE1	152185	5464	5.872735795	5.831821727	5.684271581	3.14905808
CSTA	1475	838	38.29191931	37.49332762	37.81946802	34.06022634
CWF19L2	143884	3285	9.768227818	9.42884115	9.454751878	9.921171061
RBM15	64783	3450	9.301051705	7.686112894	8.635116334	7.099678962
ATE1	11101	2224	14.4283401	12.12354085	11.97026975	8.73793653
ANKRD13C	81573	5682	5.647417878	4.706075707	5.4289995	5.700214374
MBLAC2	153364	4300	7.462471717	5.285798568	6.78076676	1.647676791
SRXN1	140809	2580	12.43745286	12.86901939	12.20210444	22.43978868
PRRT4	401399	3562	9.008598648	1.251166113	5.813000172	0.056830113
RNF14	9604	4395	7.301166868	8.619239228	6.634197285	6.448245919
OBFC1	79991	6483	4.949657316	4.571455664	5.703352343	2.216944203
SNX18	112574	5382	5.962212632	8.23926129	4.357600987	10.53141613
TSPYL2	64061	2833	11.32673081	6.685767103	7.681726234	6.430849864
RAB24	53917	1612	19.90609701	19.49094823	17.03909366	31.77078308
ABHD13	84945	5316	6.036235587	7.545124766	8.465698678	8.872446401
GPR180	160897	8895	3.607490543	3.406997766	4.916913502	9.740253327
FXN	2395	7176	4.471659474	4.067876491	3.886508988	1.748967322
FAM21C	253725	4654	6.894849244	9.04928608	8.307931098	12.17878849

EVI2A	2123	3010	10.5927715	16.43483588	14.24943739	87.22599178
SSX2IP	117178	6025	5.291990409	5.399762983	6.803193976	2.956637334
STX2	2054	3469	9.191191183	3.404477455	7.796036164	1.750609942
SAV1	60485	3031	10.51938047	9.851395498	9.549987564	16.89689948
ZNF202	7753	4055	7.862945059	5.220494464	5.418894003	2.096673796
C1orf63	57035	1482	21.51433348	33.22943544	27.37292455	41.38727765
FLAD1	80308	2260	14.10807178	13.21220343	14.95821319	11.55456784
ZNF675	171392	2209	14.43379005	17.85485976	9.756018859	15.76177656
HIGD2A	192286	628	50.77108633	64.57889908	57.53136018	42.87108085
TP53RK	112858	3384	9.422057392	6.716588015	8.179167771	6.041759799
NCOA7	135112	6558	4.861885059	4.553153363	3.608400926	41.11546896
MTMR3	8897	9008	3.539547315	5.392709289	3.189912028	10.33717551
PON2	5445	1669	19.10380001	22.56364513	19.11563749	7.641113461
SQRDL	58472	1682	18.95614876	51.2700648	24.49496342	141.652064
ORC5	5001	1968	16.20134259	13.81381481	16.7481823	7.6116544
ITGAX	3687	4666	6.833313805	31.28062763	10.27896289	121.6048227
TMEM8A	58986	3656	8.721072816	10.1176766	9.188806635	13.34391575
HOMER1	9456	4228	7.541211498	3.583874778	9.294930372	13.54951945
LOC14772	147727	2032	15.69106408	13.26907227	12.47744654	5.379507185
MRPL13	28998	1119	28.49351404	25.09107978	31.53222086	18.4519607
MPP5	64398	5375	5.93195204	4.809040266	6.99696512	8.436105172
AGBL5	60509	3254	9.798476403	9.587146854	11.55767902	4.354646714
ROGDI	79641	1474	21.49243965	39.1544541	20.35443427	21.83594926
RGS14	10636	2418	13.10167744	15.66648321	13.36913502	13.31107908
MRPL2	51069	1292	24.52001242	21.04147642	26.49236172	12.69097361
SLC35A1	10559	1918	16.51713037	16.26515947	13.32922634	12.87607992
COX10	1352	3016	10.50393105	10.63922633	11.90928695	7.785725498
JAGN1	84522	1660	19.08425063	19.0615911	18.96471653	13.77979609
FAM83D	81610	2445	12.95699634	9.569501799	11.7524448	2.980547675
FZD3	7976	13804	2.294976532	1.210696273	2.938762256	0.938528487
MRPL14	64928	791	40.05038691	32.67837096	46.74441623	33.78079635
RFX1	5989	4392	7.213081978	6.291268877	5.676594226	4.977758925
NCK1	4690	1961	16.15494954	12.04500999	16.26924985	11.04532807
CEP78	84131	2767	11.44917096	8.455884314	11.83561186	3.292121009
PHF1	5252	2312	13.70235988	11.85485304	11.14910938	15.67247685
NEDD4L	23327	8473	3.738918452	1.814641242	2.468687758	2.006848163
ATP5D	513	1005	31.52224482	38.13653908	34.05784213	16.91942735
TNFAIP2	7127	4180	7.57891293	126.822717	8.138001574	233.8586075
NFU1	27247	1181	26.82460292	37.17022768	27.0143937	22.28260134
EMG1	10436	1072	29.55210452	24.94395725	34.29435492	10.57464209
SNHG6	641638	472	67.11833908	80.25753476	77.88887389	47.17621806
PEX1	5189	4390	7.21636812	6.598689981	6.738010613	4.011688172
RGL2	5863	3425	9.249593006	13.59767332	10.36374888	13.77107301
SLC35A5	55032	2958	10.70989048	11.90248958	12.07137413	16.08207667
AHCYL2	23382	5075	6.242336167	6.366648135	5.953442537	4.626945439
FHL3	2275	1738	18.11016679	14.87260727	24.79982239	36.92172011
USF1	7391	1831	17.1903167	31.27689786	16.03964054	55.72045163
ELP2	55250	2494	12.6204771	9.560183347	14.57136285	5.356978731
CDK11B	984	2533	12.42616261	12.7559176	12.51192823	11.74774688
MANEA	79694	4593	6.852921811	5.385244504	6.900220815	5.597314521
XPNPEP3	63929	8027	3.921199686	2.914841398	4.81688194	2.093135122
LRWD1	222229	2220	14.17813958	12.24576015	14.56151734	10.30381149
KIAA0415	9907	5519	5.703111049	8.882621968	6.3550046	12.14059678
NUDT4	11163	4813	6.53967793	5.046491302	4.916661806	4.332053373
RNF8	9025	5639	5.581746742	5.374223289	4.496217656	4.523148915
BRE	9577	1932	16.29165108	16.147296	19.35683373	10.05857704
RNF166	115992	2465	12.7689533	25.40202207	11.99994588	19.95546195
ITGB3BP	23421	1136	27.70727982	24.32328601	31.99029838	11.76083183
TTC35	9694	1268	24.82292577	22.14268003	24.66099738	23.78698784
ERCC1	2067	3400	9.257491141	8.323456165	7.208538917	5.715638483
ZNF182	7569	3669	8.578759847	7.288068185	8.119692383	5.793139986
FCHO1	23149	3235	9.729666114	8.059172833	11.82149669	9.198467652

C7orf60	154743	3969	7.930327508	7.467056455	8.144764043	10.91453179
RHOC	389	1415	22.24414832	18.58251364	23.14426715	55.36393637
ANKS6	203286	7147	4.404011456	5.300343698	3.074522902	6.599401857
GLRX	2745	1661	18.82666087	37.69776304	23.02380602	178.0545267
GK	2710	4590	6.812872268	6.262617937	5.385689995	20.11057985
FDX1L	112812	852	36.7031499	26.15407098	32.7342588	27.08555209
TBCK	93627	3541	8.831144793	9.691113654	9.666233081	9.775581916
TFB2M	64216	1799	17.38248122	12.63420447	19.73087266	3.713258742
ANAPC2	29882	2733	11.44203575	10.5178984	13.06517551	8.962273113
C7orf59	389541	613	51.01318713	65.06859799	42.05014826	56.79896318
PTMS	5763	1150	27.1922467	23.44587379	32.51948066	22.00313728
GTF2E1	2960	3033	10.31028147	9.991838155	10.37963384	9.210413151
MAP2K5	5607	2385	13.1115655	9.810243982	14.26282875	9.166590021
ACVR2B	93	11373	2.749589705	1.8025681	3.102484406	1.530720321
SLC6A8	6535	3580	8.734939584	13.75587244	24.1974168	65.13912015
OGFRL1	79627	1755	17.81828132	18.41067766	19.14203821	40.25508443
RELL1	768211	3622	8.633650942	21.84031007	7.875053226	11.73662651
METTL2B	55798	2192	14.26600534	10.57235366	13.01251952	6.2797275
RNF2	6045	3551	8.806275334	6.212457277	9.758012071	8.265892742
ALG5	29880	1227	25.4858058	26.69633631	27.72359134	14.35314676
POLR3B	55703	4286	7.296099792	5.043110224	5.619799999	2.550433644
BROX	148362	1686	18.54749924	22.99696746	17.92035639	29.65594849
SAP30BP	29115	2519	12.33294861	11.41143959	13.25247808	14.46494455
KIAA0240	23506	6520	4.764830911	5.639170703	4.407166801	5.805858493
USP40	55230	5623	5.524932873	5.270629036	4.696886923	4.968021179
WBP4	11193	2354	13.19740762	11.64333909	16.96381474	13.67297757
ZNF614	80110	4676	6.64386175	4.574836984	6.868110292	3.116954263
PLEKHA8	84725	7851	3.957037007	3.036950359	3.067948388	2.733086164
NSUN4	387338	4465	6.957826997	9.332522295	7.997116387	5.757775049
ALG9	79796	6435	4.827769626	4.744068036	5.647393777	3.051375246
PDIA5	10954	1873	16.58659773	11.65915809	13.98788596	5.295789794
RNF13	11342	2965	10.47780693	11.12284565	10.97398086	35.36531231
DPH5	51611	1828	16.99491113	12.06807209	15.71921638	3.765088261
IPO13	9670	4041	7.68787368	7.334013133	7.738219421	4.959281721
C19orf22	91300	1835	16.9300804	17.12229349	17.50151702	18.75362763
LMF2	91289	2617	11.871111102	11.75044344	11.86811613	9.668936901
HEBP1	50865	1221	25.44365073	11.31500938	18.51553601	10.9421007
DLG5	9231	7493	4.146096029	1.516677822	3.073540503	0.783456163
HPS4	89781	4539	6.844392497	4.712918646	5.585849606	3.657009641
SELRC1	65260	2114	14.6956942	9.908359681	16.39106001	4.500547095
RGS12	6002	6240	4.978637427	2.571146362	4.571064549	0.843453596
AGAP2	116986	4920	6.314369419	8.922365629	5.024454691	11.06775694
TAPT1	202018	4610	6.738979944	7.395531619	7.058102657	5.357119584
ZNF761	388561	4229	7.34610961	6.586447291	7.194373525	5.552553347
VPS45	11311	2817	11.02829164	8.938620297	9.30042968	10.63524023
MTERFD2	130916	4574	6.792019576	7.015283472	7.021268852	4.558411212
STX4	6810	1403	22.14304885	24.93566037	21.98686754	47.18049764
WWC2	80014	8822	3.521502782	2.197511173	5.43659497	1.376754906
CHEK2	11200	1991	15.60356481	11.75159814	12.73439044	4.880253853
TNFAIP8L1	126282	3845	8.079765291	6.548788914	6.53911225	7.633858291
MLKL	197259	2522	12.31827817	23.23750836	14.24203387	67.90436878
PRPSAP2	5636	1890	16.43740611	15.68081856	16.20967746	9.639469665
PPIL3	53938	1191	26.08454873	33.49038671	31.04520003	30.42381735
C6orf211	79624	2572	12.07880931	9.790082961	10.67924533	10.31033478
RBMS2	5939	8504	3.653186447	3.223003319	3.528038113	11.2354684
MPHOSPH	10200	1101	28.21680067	17.81042349	31.28012362	10.11225019
GTPBP6	8225	1877	16.55125069	15.07711825	16.99733562	5.392351171
WASH5P	375690	1137	27.14363357	34.1010441	24.15744853	29.37622022
RMND1	55005	1928	16.00742291	15.37175678	15.34225446	7.664578317
MOSPD2	158747	3219	9.587546249	9.968284126	8.007685892	13.58329742
PSRC1	84722	1759	17.54537315	15.07509351	9.128846995	5.178680405
SH3GLB2	56904	2039	15.13600362	15.62779496	16.06137225	15.48744611



STK17A	9263	3949	7.815221923	15.17903069	9.470094394	30.50017054
HTRA3	94031	2589	11.92055287	19.79587389	6.528690965	6.645984299
PIK3C3	5289	3083	10.0104805	7.227787374	9.046249919	9.061038952
PBXIP1	57326	3213	9.605450163	14.70293469	9.79814175	22.99612044
LRR1	122769	1965	15.70601088	14.6287106	14.51574696	7.314223547
SPIN4	139886	4112	7.505425918	6.069372736	5.960367782	1.378406654
ARHGEF11	9826	6904	4.470207325	5.971038047	4.651692313	8.209745311
BYSL	705	2005	15.392674	14.2257275	18.75745014	4.139443083
TAGAP	117289	3363	9.177017953	9.408932867	5.528712162	32.74496029
TINF2	26277	2196	14.05387585	15.93111635	16.45250191	30.14309571
OPA3	80207	7889	3.912068877	4.378129818	3.562032357	3.618008579
CLN3	1201	1915	16.11608949	12.45070353	17.54270342	68.39241479
CRY2	1408	4204	7.341177777	3.763349338	6.734576123	3.755816201
IQSEC1	9922	7229	4.269236599	4.777848407	4.676381494	4.648387225
CERK	64781	4445	6.943152165	9.374513396	8.793628988	2.960152102
MTFR1	9650	2740	11.26361729	4.716896246	9.716014574	2.068616118
CRYZL1	9946	1726	17.8808293	14.71780189	16.28092309	12.19733589
CHMP1B	57132	3060	10.08572267	9.466748045	10.97852191	13.95833009
MAPK8	5599	1417	21.78003626	17.92725904	23.55892187	15.571451
ZFPL1	7542	1400	21.898518	22.60160088	18.1101224	20.53207039
ZNF268	10795	5862	5.229942887	4.979713699	5.766898979	4.316548596
VPS33B	26276	2639	11.61725093	12.83462224	10.32805389	11.19917165
MAPK3	5595	2005	15.29073576	18.78240585	13.2777456	18.47605083
SP2	6668	3132	9.788609581	10.316328	9.849161928	9.888766294
ZFAND3	60685	3351	9.148888453	12.10252122	8.764124688	23.86135508
LIAS	11019	1743	17.58917109	14.44641043	18.66772992	9.058778721
ZDHHC12	84885	1184	25.89351791	37.82885949	26.58904514	26.84234078
TSEN2	80746	2697	11.36741758	7.849130534	9.949263883	2.026540341
GCLC	2729	3823	8.019336962	6.003600975	9.174279463	8.789743984
TTC7A	57217	5167	5.933409175	4.61449531	6.869719355	4.270320507
POLR2J	5439	991	30.93635238	27.20762346	33.04655702	23.28646859
ALPK1	80216	5441	5.634612242	8.313735527	3.805533287	14.02603958
CENPH	64946	1405	21.82058734	17.60457509	20.30138276	6.051254266
KCNQ1OT1	10984	59461	0.515597202	0.296055937	0.639600024	0.129367094
ATG7	10533	5059	6.060076143	7.443906646	6.431676863	11.08377052
NAB1	4664	4499	6.814386576	7.57799528	6.105138692	10.93358829
TRIM21	6737	1946	15.7543295	23.4741523	13.46316054	64.8063626
C14orf133	63894	2969	10.32601051	12.15860388	10.81686889	14.45433444
PPM1D	8493	4790	6.400401922	5.442886036	5.998899279	4.944504586
PCMTD1	115294	4186	7.323919065	11.12566438	5.703578126	17.84430254
POMT1	10585	3320	9.234314821	7.919956867	8.655038417	3.96321569
IRF2	3660	2302	13.31795187	21.10231332	15.78669807	51.97022502
FASTKD3	79072	2451	12.42494453	10.81888596	13.6201519	7.350538067
RIC8B	55188	4989	6.104136909	4.957792745	5.759616666	3.976353692
ZDHHC18	84243	3165	9.62197126	18.79820753	13.15105782	38.950767
TMEM212	389177	1902	16.01132442	23.3142504	15.88523705	25.33021524
HIVEP1	3096	8891	3.425209655	3.383467826	4.277500511	5.008924739
MAGEF1	64110	1700	17.91384649	15.86044403	18.51848791	15.12262682
HLCS	3141	6010	5.067144599	4.412161312	5.097552479	2.3577405
BCKDHB	594	3712	8.204078405	5.222641049	5.919616159	2.235879144
FOXRED1	55572	2106	14.46036991	12.2737851	13.64422011	5.863324141
ZCCHC10	54819	2136	14.25727483	10.84953147	14.34283258	14.12073997
PAK4	10298	3064	9.939144595	10.10892401	7.999031435	6.276351821
ZCCHC14	23174	6932	4.393182204	2.314476818	2.743166261	1.956539789
GRINL1A	81488	4329	7.034774553	6.588723411	6.393694557	7.949389398
ACD	65057	2095	14.53629548	11.9127736	11.49711828	4.058239735
RELT	84957	3520	8.65157359	28.86696143	9.723900949	35.48255922
LMO4	8543	5415	5.62392226	3.662439324	5.540616087	4.074745348
TMED1	11018	1374	22.16414777	21.731863	25.83394462	20.7732676
SMURF2	64750	3866	7.877273419	6.686133324	7.214068417	5.759745195
C4orf42	92070	2945	10.34076028	7.717804361	10.04409731	7.973428897
KIF3A	11127	6257	4.867115077	4.344827799	3.917058066	2.652895439

CPT2	1376	3110	9.726415714	17.84094486	10.86995557	21.02396229
EIF1B	10289	1014	29.83151171	129.6560986	38.1312735	174.0808368
NLE1	54475	2726	11.09653444	6.539477175	12.71118887	1.039619986
CDC34	997	1462	20.69025504	15.08921737	20.08794927	11.76911994
GTF2E2	2961	1560	19.39048261	18.5693904	26.81691202	50.60721574
NKD2	85409	1798	16.82377801	1.36327004	11.86861007	0.112585575
GOLGA8B	440270	6519	4.640152304	3.965116035	3.921683713	3.850464643
LAMTOR3	8649	4280	7.067559082	7.965747842	7.898495752	12.39167339
RNF170	81790	4136	7.313624969	5.603142943	7.100720945	5.824234693
CETN2	1069	1087	27.82810752	41.40956975	24.8798983	16.94666654
C9orf114	51490	1891	15.9963791	13.19791681	13.51954316	6.851109058
ZNF510	22869	5154	5.869063421	4.323490197	5.616222799	3.456294129
RBM7	10179	2025	14.93785327	26.73992217	17.42447168	52.08169758
C11orf95	65998	5582	5.419052825	1.916153505	6.321131341	1.34178931
BCKDHA	593	1791	16.88953259	27.99405587	18.16742225	20.90973738
PLK1S1	55857	2329	12.98804331	5.931999336	9.071909032	2.868249239
PLCG1	5335	5205	5.811556747	1.840884812	5.60178618	1.050063266
ELP4	26610	1584	19.09668742	15.6151692	17.4736766	8.690127955
BCAT2	587	2097	14.4249656	8.288483266	15.21411491	2.220249808
PSKH1	5681	3505	8.630286126	10.74428637	7.173434123	7.681323473
EXTL2	2135	2905	10.3424326	6.980300968	9.018695494	3.832560228
WASF1	8936	3230	9.301785357	2.759537892	5.625538538	1.942815713
KIAA0754	643314	6979	4.305024603	1.309090138	4.420056621	0.696130206
RPS6KA4	8986	3149	9.54105008	17.90303882	10.39985329	9.89966494
JRK	8629	9116	3.295827852	3.959948983	2.850814573	1.398970861
MAFK	7975	3350	8.968587075	9.046341828	9.649721937	10.87677473
TSHZ1	10194	4982	6.03066373	4.87530362	5.258793739	3.656884317
C14orf118	55668	2478	12.12460319	10.25138259	13.13069138	8.414113351
LSM7	51690	536	56.05366922	41.9889947	58.73401015	22.28228156
SS18L1	26039	4566	6.580106593	5.026668096	6.66338275	3.236379106
LINC00263	90271	1003	29.954902	46.43273291	14.1137378	13.52216732
ACAD10	80724	4124	7.285345951	10.64452931	7.01891666	4.172272879
PSENN	55851	678	44.3138152	53.90053141	44.2513807	35.23098205
F3	2152	2393	12.55527234	3.352267719	9.270747991	5.836853967
MRPL34	64981	968	31.03798213	40.05463548	32.95867662	25.30360787
TFSM	10102	2102	14.29341898	9.646895486	15.07740923	5.296663874
PER1	5187	4717	6.369465063	2.26753633	5.778192541	2.446140595
B3GALT6	126792	2793	10.75716674	10.13238488	10.74201078	4.566064578
SIAH2	6478	2632	11.41518492	6.688367057	10.91744968	7.152691586
PRKAB1	5564	2412	12.45637094	19.30847061	14.36596222	20.56180407
ANGEL2	90806	4668	6.436325343	6.683071093	6.336732346	6.418053067
SH3BP5L	80851	3182	9.377869433	9.593990512	9.959998179	7.634023744
WDR61	80349	1205	24.76380127	21.45111322	27.17770789	8.903510155
PDZD11	51248	1246	23.94894104	16.63197406	18.82231823	15.5964453
YIF1A	10897	1138	26.22177551	21.14756586	32.49106611	16.89871879
ABCD1	215	3697	8.071512181	21.09587224	10.97286291	66.14391843
EFCAB2	84288	4231	7.052796156	3.160000256	6.741536938	1.531014799
RASSF1	11186	1979	15.07851467	17.22759008	14.6265853	10.43342295
SLC25A44	9673	3653	8.168732695	12.80998188	8.964998087	12.30200043
TUSC2	11334	1691	17.64658813	15.54953093	19.74156848	10.53444112
ING3	54556	2221	13.4355608	14.24684432	12.17669944	9.296597939
CAMTA2	23125	4852	6.150119648	17.13037745	7.489896734	38.96713891
DCLRE1B	64858	3795	7.863077875	6.224048638	8.740897901	2.933751637
PLAU	5328	2680	11.13447035	11.80680643	9.618186898	11.93423894
FOS	2353	2158	13.8277945	10.11937123	23.30202651	42.8683922
TSR2	90121	1353	22.05497453	23.38672671	26.07875473	21.84376496
SLC41A1	254428	4869	6.128646649	1.601795844	4.903507503	1.912451776
CTBS	1486	3152	9.467125804	16.04791226	10.12182708	26.07427613
SLC15A4	121260	2789	10.69931177	8.469080166	8.787749128	5.225843719
ELL2	22936	6063	4.921718709	8.416408512	4.599965116	29.21412751
OMA1	115209	1928	15.37136637	13.29136864	16.43812977	11.33937614
TADA2A	6871	1886	15.71367676	14.41441545	15.12377666	7.08393688

GSTCD	79807	4063	7.29411626	8.007278359	7.852325613	4.035623406
SPECC1	92521	3948	7.506584186	31.66391493	11.72020333	34.96871442
CENPI	2491	2571	11.52703009	7.367086038	8.628899239	2.755741036
FEM1A	55527	3844	7.709675954	7.883778649	8.959265375	7.846488184
SLC19A2	10560	3655	8.108343192	3.536059019	7.28368808	1.43998644
DUSP3	1845	4139	7.160182258	2.58419156	8.729087749	1.907399289
LIN28B	389421	5504	5.384446651	5.222641049	10.32623561	6.693686965
HIRIP3	8479	2389	12.4051881	13.52479669	13.79674457	6.524496629
TOB2	10766	4575	6.477812976	5.990911524	5.680442764	4.468921346
LST1	7940	769	38.53835418	116.7770767	51.92824434	126.3535165
NUDCD2	134492	977	30.33366875	17.33396524	26.38356283	15.12518628
OLIG2	10215	2505	11.83073627	4.269847851	20.74892267	6.383984101
MRPS14	63931	2252	13.1598554	13.75388241	13.22875282	6.202305304
ANKRD44	91526	6104	4.85517601	7.41072002	6.888215516	13.29848854
BAG2	9532	2068	14.33075163	11.63729688	17.16433264	5.57951895
HAUS1	115106	1185	25.00927795	21.81315732	24.60531398	16.39930029
HARS2	23438	2508	11.81658468	14.66004505	11.79420518	15.73908623
SPATA5L1	79029	2610	11.35478711	12.20884058	12.46661044	15.12399551
KIAA1826	84437	4095	7.237117061	8.271200997	6.552665371	7.365543487
COMMD7	149951	1928	15.37136637	19.53253305	19.6161682	20.15889092
KIAA0226	9711	6903	4.293205036	6.552953064	4.162643422	28.97286927
TMEM216	51259	1306	22.69218558	17.40347155	23.6198891	11.6249347
SPAST	6683	5221	5.676306142	5.804490543	5.301341455	5.466858777
ATG14	22863	4742	6.24968249	5.028067749	7.975531903	5.677570387
ST6GALNA	30815	2416	12.18195704	12.08240137	11.28134694	26.4766228
SGSM2	9905	4882	6.028596517	6.663984427	6.664861378	3.400075125
FASTK	10922	1866	15.77256602	17.55434333	19.36210836	12.5840022
LOC65443	654433	2715	10.84037134	13.37816855	13.07397418	14.68820847
NUP35	129401	1649	17.84815537	11.48622086	14.35045074	3.437239638
ATG16L1	55054	3411	8.628439812	6.728750082	8.486078073	5.934589943
APBB1IP	54518	2659	11.06867552	45.50513269	11.76011458	103.3079981
ZNF394	84124	2259	13.02860035	17.95287677	13.65541176	28.0479124
SGTB	54557	5453	5.397324078	2.65617541	5.8894707	3.044043052
TRAPPC6B	122553	3364	8.748991736	9.008693557	11.05413734	10.71115862
RNF5	6048	1176	25.02687772	32.21220783	26.05126734	18.59040578
GPAM	57678	6390	4.605885477	3.068744328	5.058930906	1.29883934
KIAA1468	57614	5459	5.391391866	5.877982525	5.65077398	7.416334968
EBAG9	9166	1655	17.78344906	10.50208424	13.91543141	9.662767476
KLHL21	9903	4502	6.537451843	4.801148472	6.80504007	7.464058474
HPS6	79803	2690	10.94111829	8.946442361	9.268253472	9.933312234
LCOR	84458	10390	2.832686063	6.562733545	2.806284607	11.20275228
PABPN1	8106	3118	9.439258563	9.505050375	7.860497857	5.713194336
PLXNB1	5364	7325	4.01796699	2.403246702	3.634386339	1.160684265
ZNF414	84330	1414	20.81443295	26.94794137	16.73542664	17.60873419
ARRDC2	27106	2539	11.59181103	20.36123783	11.48377198	19.37385337
MICALL2	79778	3144	9.361198536	5.81179394	13.91092417	3.92753201
MUT	4594	3886	7.57375404	7.913255403	8.373096564	5.886377127
DONSON	29980	2189	13.44522988	10.48504638	13.99556437	6.103382803
RAB4A	5867	1861	15.70511662	11.13564733	18.73293156	6.308905992
RHOXF2	84528	1297	22.53448113	13.91630491	24.43540031	7.647659433
C1orf52	148423	3402	8.591188134	5.89504457	8.384315927	7.497365295
BCS1L	617	1663	17.57499821	12.32748466	13.46733897	5.842805425
C14orf1	11161	1576	18.54519164	33.93391138	15.95360825	28.90005975
SMTN	6525	3336	8.761157683	6.01167315	4.940111327	1.152922181
CELSR1	9620	11389	2.566267629	0.371746511	1.613993699	0.19551475
TARSL2	123283	3300	8.856733949	4.929329087	8.835544566	1.472209912
TOLLIP	54472	3665	7.974685411	7.721623728	7.782658331	13.8082444
PSMB10	5699	1019	28.68225911	103.871958	24.8814243	93.7648904
IGFBP7	3490	1124	26.00286657	18.43722392	26.31660729	2.881549651
POMGNT1	55624	2953	9.89746767	7.244137398	10.80392786	5.826770522
LRRC45	201255	2639	11.07511255	11.73692428	10.24799146	3.068266206
DNAJC19	131118	1488	19.64195029	13.3280302	28.68247432	8.298495054

BOLA3	388962	554	52.75671847	32.17800502	42.33322836	14.25040732
KIAA0556	23247	6640	4.401690065	6.812505271	4.48661918	5.060721574
PRPSAP1	5635	2359	12.38966597	18.13644573	9.762627803	10.29735632
POLR2L	5441	925	31.59699679	29.87162477	42.94220015	15.31894098
RAB2B	84932	2956	9.887422879	11.15671087	8.148329768	15.33967026
C1orf212	113444	6021	4.820268371	5.995498244	6.28134401	5.345655076
RAB31	11031	4009	7.23942027	16.17468477	10.48781928	22.6211351
RCBTB1	55213	4042	7.180315651	7.221940055	6.847675343	7.361960132
TBXA2R	6915	2619	11.0816479	8.933727338	16.21543988	4.32837584
SEC61B	10952	583	49.78187969	45.10164117	57.98552627	34.7219319
C4orf32	132720	2730	10.63107541	7.182885076	8.203730661	3.485039033
BIVM	54841	3873	7.493631774	8.802840373	6.328177722	2.090667317
PRUNE	58497	2995	9.690429336	6.621739213	7.618949658	5.001581255
PARP14	54625	7713	3.762846605	10.37170152	3.341986372	79.26036122
TRAPPC2L	51693	637	45.56175175	35.33139899	46.76789851	16.84258985
ZNF678	339500	8593	3.377497482	3.008098619	2.21292081	1.366330042
PANK4	55229	2642	10.98517633	7.928187875	9.676554173	5.516607923
L2HGDH	79944	6111	4.749277673	5.250843823	5.946813771	4.505044242
TULP4	56995	11123	2.609263316	1.262110864	2.792309622	1.546925591
PIGA	5277	3644	7.964554298	6.97116522	9.450992344	6.999461233
DIXDC1	85458	5899	4.919958614	3.28639491	4.33386271	2.093263373
DCPS	28960	1508	19.24591238	21.57398672	24.09879241	7.114542266
TRNT1	51095	2291	12.66819549	16.14588637	20.28923941	9.365979692
MB21D1	115004	1802	16.10590225	13.23146352	12.19401508	23.3658177
AASDH	132949	3573	8.122820001	6.9225939	7.746516579	5.722170489
GPR124	25960	6050	4.797162952	0.478814033	3.736771813	0.200755897
TMEM55B	90809	1730	16.7762057	22.41207349	13.43429118	18.01967913
MARS2	92935	3102	9.356168879	7.111681428	9.535740358	2.4797862
OSBPL2	9885	3971	7.308697019	8.361135741	9.736870141	10.50122029
NDUF4F2	91942	719	40.36555753	14.87617367	38.49555457	6.193929047
POLM	27434	2651	10.94788226	10.84323513	11.63620338	12.06479078
MAGOHB	55110	3034	9.565865479	6.683511639	9.958378667	3.669606942
DRAM2	128338	1901	15.26714143	15.12120796	23.56252994	24.91759807
COG1	9382	3035	9.562713628	8.223150145	8.145079763	5.936134696
NT5DC1	221294	3193	9.089519531	8.793272245	13.89595988	4.564634555
SSNA1	8636	954	30.20801855	21.95626034	28.7914245	20.15801046
DDX31	64794	3285	8.772739633	4.070003374	9.776342078	2.649753762
N6AMT2	221143	890	32.38028056	18.77803523	26.58864413	5.231307694
ATL3	25923	2256	12.7741355	9.482241904	12.54971544	6.998870262
SBNO2	22904	4948	5.824262266	7.250618885	6.70406377	10.96421489
GMEB2	26205	4210	6.845237457	6.880819244	7.377401406	5.818026703
PIF1	80119	2659	10.83807811	9.469760578	7.071960798	2.360020591
AARSD1	80755	2184	13.19526085	8.36642864	13.35041075	2.873303458
GPCPD1	56261	5478	5.260761171	7.769449212	5.014059689	10.97505883
VPS37C	55048	2711	10.6301917	15.28840995	12.46977566	20.90744435
MTL5	9633	3625	7.949917157	8.605951962	8.917674066	3.462231587
DOK1	1796	2269	12.70094742	18.26658412	11.54663306	19.44887269
SEPX1	51734	1386	20.79253225	37.29955473	33.68970582	66.01576194
TRAPPC4	51399	1216	23.69938297	12.09453717	22.58800903	10.98709289
UBE2D1	7321	2680	10.75315287	17.5439166	13.48122918	21.60248314
NFS1	9054	2507	11.49519334	13.51039812	11.96746554	7.024854837
MNT	4335	4865	5.923627892	9.069038351	6.210425668	10.56874228
ECSIT	51295	1725	16.70634765	16.40565273	15.06552211	7.862454387
TULP3	7289	3106	9.278316064	6.815552173	10.61185537	3.519368512
ZDBF2	57683	10146	2.840375487	1.537383001	0.249893272	0.558644605
TRIB1	10221	3658	7.878198385	32.52942965	13.22695745	37.2429264
PAQR8	85315	4758	6.056841045	5.245325912	5.239933132	3.020691314
SEC61G	23480	484	59.11996596	51.1041901	52.38465158	45.58831831
ZNF629	23361	6087	4.700848288	3.807228391	2.63802232	2.926522086
C16orf13	84326	854	33.50592919	36.00809191	26.22504064	9.95551785
C20orf111	51526	1572	18.20233049	15.87612003	15.05336722	18.92941657
SERPIN8	5271	3407	8.398609782	3.793453394	6.573579309	7.783440284

THG1L	54974	1320	21.67732085	16.20601344	15.20610025	7.82111516
DEDD	9191	2362	12.1143368	15.00016802	12.88103541	20.39715046
TNFAIP3	7128	4446	6.435911724	12.73043228	8.934218429	25.63370442
MRPS17	51373	600	47.69010588	30.45380025	50.00406019	13.15787609
MKNK1	8569	2816	10.16124415	12.81920985	11.85475579	33.06721483
B3GNTL1	146712	1383	20.68985071	24.32952668	20.01323481	17.85706528
SENP7	57337	4934	5.799364314	6.322775814	6.12357537	6.482318676
ZNF605	1E+08	6202	4.613683252	4.59893319	3.747391769	3.231289493
MTBP	27085	3080	9.290280366	6.873086055	8.849264356	4.469208663
PCSK7	9159	3497	8.182460259	8.729790623	9.183667065	10.30378542
SRA1	10011	1965	14.56186439	15.64931832	16.8812761	21.94267064
FAM120C	54954	8090	3.536967061	4.65497203	3.264597672	3.277896298
FBXO42	54455	3011	9.503176196	11.54496806	10.10461828	14.92501082
ZNF738	148203	11734	2.438560041	2.734609392	2.556880528	1.414621336
C17orf63	55731	4197	6.769043926	7.53925214	7.450594396	8.922882927
RNF19A	25897	4366	6.507026422	8.52337571	7.694520627	18.49956856
SDHAF2	54949	1227	23.15377128	33.23421459	23.76307829	26.56157044
CHCHD7	79145	1767	16.07791588	20.55559005	17.5771703	18.10060008
ITGB1BP1	9270	1930	14.72004008	8.428386521	13.79372017	4.929614797
C1D	10438	1294	21.95492841	17.04825022	21.87956571	15.33077942
CCDC22	28952	2333	12.17731563	14.99559859	12.2260792	9.631206081
ARPC5L	81873	1041	27.29075635	19.69318636	26.99411456	15.55649283
ERCC4	2072	6765	4.199508848	3.030392756	3.685380908	2.633220982
CEP44	80817	4535	6.264537455	4.569666964	5.730545898	2.812131944
ARHGAP18	93663	3503	8.11009916	6.361195682	14.47569019	31.78300732
SELS	55829	1292	21.98891436	19.31676524	26.32882862	23.03176692
TMEM126	84233	818	34.73065692	22.0653392	33.83655714	13.11580652
C8orf83	286144	3842	7.394502175	8.583872291	7.369119735	4.90002193
ANXA4	307	2158	13.16481805	23.64628582	13.21753604	18.38556865
ACAP3	116983	3801	7.474263972	5.100353479	7.393021116	1.437931939
ZNF559	84527	3309	8.585577926	8.282991908	6.193599834	3.731689526
PRR14	78994	2154	13.18926525	21.724635	14.02679706	18.2317546
C7orf49	78996	1879	15.11957284	18.61880336	15.06767324	21.00778514
DGKQ	1609	4653	6.105668893	5.411582501	5.585219353	8.222448979
GLOD4	51031	1863	15.24942424	13.6354944	21.20786386	7.714680231
CDR2	1039	2702	10.51431434	5.030641661	11.88574527	4.045580533
RSAD1	55316	2499	11.36841831	8.025186725	9.131154152	1.944094722
GANC	2595	4603	6.171991605	7.600419619	4.72785801	8.839496297
FYN	2534	2650	10.64350611	0.924965861	4.704075819	3.513859508
YPEL2	388403	5242	5.380635481	4.420946054	5.078573051	3.089337855
ZNF804A	91752	4700	6.001125785	6.87462538	8.40643625	5.426816326
ATG4D	84971	1929	14.62171653	18.7137869	24.53488157	29.17326278
TMEM41B	440026	3445	8.187312392	13.13063425	11.10088296	18.92078197
ARL6IP6	151188	2817	10.01252793	6.565535262	9.750450471	5.173900651
SLC27A4	10999	3204	8.80314956	6.885279585	10.61699331	2.274481606
CD83	9308	2478	11.38228054	15.19722507	12.87489869	76.05378184
PIGN	23556	4893	5.764416757	5.556016256	5.397628279	4.302595902
GLCE	26035	5043	5.592958792	5.965181923	5.991219686	5.178132723
NLK	51701	3555	7.933977831	7.709822848	9.628166341	9.964852607
ZNF700	90592	2884	9.779920662	13.21234018	10.47632485	12.91501761
PPP1R15A	23645	2399	11.75710346	12.91110595	18.84741098	56.02866403
WHAMM	123720	4261	6.619406522	6.275503912	5.107329364	10.40411194
C5orf30	90355	3028	9.31482536	4.04748932	7.117254181	1.537603649
C17orf96	1E+08	3232	8.72688465	5.446714757	9.021440924	5.198513498
HBP1	26959	2858	9.868891249	9.122261762	10.86734077	29.03982989
GNG4	2786	5123	5.505619986	0.956923495	7.753569224	0.513678551
LIN7A	8825	1235	22.83829246	43.66438033	29.93913623	27.70079177
C6orf125	84300	535	52.72017045	49.14814355	58.84379335	20.05370044
ARHGEF9	23229	5450	5.175282787	5.805915823	4.729677227	2.154288817
SLC25A15	10166	4038	6.984965624	6.401335173	7.168403246	2.105500803
MED29	55588	3604	7.826107433	7.666829331	8.14888508	10.33488091
NRF1	4899	3540	7.967596381	6.10586735	7.1621953	3.945647329

C17orf101	79701	4513	6.204499229	5.925088006	6.08619964	3.094968213
EXOSC3	51010	1220	22.95156149	17.89967468	23.37987113	14.26957559
GBA2	57704	3639	7.694670245	10.65481922	9.986528979	13.6843914
C19orf28	126321	2284	12.25959064	13.36605859	17.4837215	93.14918344
PP7080	25845	1760	15.90960513	20.25751679	16.08645342	17.71252551
PHACTR2	9749	9642	2.904055696	5.870099764	2.958249615	14.99006515
FRG1	2483	1053	26.59155273	23.70110227	36.31770352	19.99297412
ANKRD33B	651746	9333	3.000204117	4.106634713	4.799353842	6.550253575
SEMA4A	64218	3313	8.451827655	7.533130302	7.334062045	6.598948747
HSPBP1	23640	1925	14.54592469	9.144821867	13.7197897	3.890840483
KLHDC2	23588	1808	15.48722623	9.490108808	14.72449111	6.381883401
DPY30	84661	800	35.00113128	30.91803501	37.76715109	20.74895845
PIGW	284098	2255	12.41725278	10.47461844	10.5876621	3.949831472
AGXT2L2	85007	2017	13.88245167	16.79254739	11.41796678	15.25492671
PGM3	5238	6243	4.485168192	3.926252654	5.008833042	2.658844588
BAK1	578	2203	12.7103518	27.1081069	19.85290313	94.82822813
SLC12A2	6558	6891	4.063402267	3.29835058	5.917567689	1.351288303
CCNYL1	151195	3773	7.421390146	6.791878809	7.391886695	11.48152045
TMEM9B	56674	1753	15.97313464	18.81302758	16.03016159	30.4855789
DDX59	83479	2337	11.89410306	13.53968388	12.6571958	12.90624757
HSDL1	83693	3668	7.578113101	5.28528996	9.792368983	6.898475428
C2orf44	80304	3897	7.132799295	4.117001104	8.241027387	2.753074092
C5orf34	375444	2540	10.94351136	6.579705258	5.989174338	4.462998553
ITPA	3704	1206	23.0485231	18.10746526	23.82647392	10.74249356
ABHD16A	7920	2270	12.24516249	16.68791031	13.68231715	24.79084753
PKD2	5311	5089	5.462078769	7.969256951	4.857598168	10.97865321
PHF5A	84844	1105	25.15522068	15.52770744	31.54930826	10.99161247
BCL2L2	599	3621	7.676475795	7.015444921	5.893333581	10.45407273
BRF1	2972	3660	7.594677282	7.914822136	8.832395762	3.926898708
ZBTB4	57659	5961	4.663063052	3.364358602	4.678676145	4.991954849
BRAF	673	2949	9.425743931	8.765205639	9.099072463	11.39477492
TAZ	6901	1935	14.36512602	16.58289747	13.5396953	9.938367949
C4orf27	54969	1233	22.54381091	19.69891536	23.30472631	14.9400053
C1orf27	54953	3926	7.080111781	8.513729677	7.641985765	7.063870154
RFXAP	5994	2825	9.8394757	8.834428563	8.451390454	2.507968214
SCD5	79966	3108	8.943538885	6.237594457	7.341941514	5.47105035
TMEM206	55248	2137	13.00726198	10.74018087	10.87567794	8.90421765
FBXO30	84085	4420	6.288805171	4.789390283	5.927445794	3.709669208
MYNN	55892	5367	5.179153876	4.276461064	5.157127583	3.998036049
HPDL	84842	1803	15.41681578	10.25796608	16.52310114	1.571827
BBS7	55212	3863	7.195578269	5.249229695	5.305364186	3.458530923
HERC3	8916	4894	5.679713701	9.242957704	5.785075199	9.720225336
DHDDS	79947	3315	8.385073561	10.15014642	10.51643609	8.365838379
SGK494	124923	3779	7.355522322	5.01211384	6.094215133	4.017508526
C2orf18	54978	3912	7.105449605	5.468286742	8.803531723	11.79800122
TMEM41A	90407	2840	9.787506639	6.904674738	9.299505342	5.131999343
CDIPT	10423	1874	14.83272084	18.66847999	17.02454587	19.01146205
PPFIBP1	8496	6112	4.54785976	4.046863221	2.972920399	4.537427066
PINK1	65018	2680	10.2955719	9.062971133	11.90447723	7.477782624
IFT52	51098	1675	16.47291504	11.7070306	17.28120138	7.492889256
TSC22D1	8848	4837	5.704389639	3.455127425	5.984290326	2.594705293
GTF2A1	2957	1736	15.89408565	13.34942351	15.4568921	8.279060639
NEK1	4750	5695	4.844975011	3.951905383	3.672904543	2.736966189
LACTB	114294	2048	13.47272104	7.725156551	19.29211444	16.60549266
NAF1	92345	1918	14.38588774	10.92089279	14.3206564	3.16624916
C1orf35	79169	1307	21.11104261	15.17376354	19.23709763	5.575699362
CYTH3	9265	4482	6.156209881	4.076813956	6.22257664	9.25879449
OBFC2A	64859	3866	7.137126923	6.340298842	9.454801789	19.84494026
GSTM4	2948	1441	19.1479061	11.75245249	15.98198403	10.39537534
C20orf72	92667	2142	12.88148118	13.41989558	14.99312966	15.30974594
SEL1L3	23231	4564	6.04560313	4.101215057	2.546157291	6.96348192
HECTD3	79654	3628	7.605328745	7.370430587	7.629080413	8.313644041

PFDN6	10471	717	38.48275131	39.46966661	41.25504406	25.97413583
CXorf56	63932	2408	11.45852686	11.93746525	13.86336889	6.809276536
ENTPD7	57089	8564	3.221874438	7.701830299	4.440828707	5.129269414
BTN3A1	11119	4191	6.583663251	9.038787021	3.982700107	27.24167948
MALT1	10892	5029	5.486604233	4.430954161	6.638097494	4.50825863
ZNF788	388507	3782	7.295645871	5.95084642	6.815637463	1.552204396
NFXL1	152518	3738	7.381522923	6.020893836	5.991488685	3.790802677
GALNT11	63917	2732	10.09960933	8.564213725	7.656365803	7.33545294
TBCB	1155	1475	18.70653063	15.10730066	19.33792731	8.783354054
GCNT1	2650	5984	4.576829298	4.989903034	5.578708605	6.325901967
MRPL27	51264	728	37.62053093	36.42457347	31.92489526	20.29849862
TPRG1L	127262	2440	11.22448628	10.04573579	8.399435185	10.78514434
SP140L	93349	2668	10.26527231	17.37226328	9.899023677	60.09132663
DPM2	8818	1561	17.54500097	13.9894959	20.16747562	9.725922307
TAB1	10454	3240	8.453008185	6.946327518	7.499304801	3.311336338
GLMN	11146	2042	13.41221671	10.14859926	14.89961099	5.154897587
VAMP1	6843	3151	8.691763414	4.950265926	9.052187491	7.002458287
FCER1G	2207	591	46.34136467	118.0146029	41.47044385	667.912492
STRA13	201254	863	31.73551161	26.85353327	25.46189476	7.506052856
CDKN2AIP	55602	2391	11.45451548	12.58151921	12.28297023	11.09083273
RAB13	5872	1211	22.6158105	9.936387263	16.92371747	25.90955719
LINC00265	349114	4651	5.888571601	10.30080138	6.359893913	7.616652552
PLEKHA3	65977	2516	10.88543184	8.94519124	6.466187053	10.13753447
TIPARP	25976	4132	6.628205837	5.015353263	9.306347185	14.20725321
RIPK1	8737	3864	7.087926117	10.66874914	7.217802407	26.92764895
UNCX	340260	1596	17.16024218	3.490486916	14.16508112	0.380505381
SNAPC2	6618	1561	17.54500097	8.993247366	18.13719284	8.947848523
POLL	27343	2804	9.767384635	8.821122684	8.891441455	7.219288978
STK16	8576	3118	8.783754496	5.359990813	5.895373393	3.700591786
CUL9	23113	7771	3.498051776	4.674009473	3.724876117	3.725045348
ERICH1	157697	1836	14.80575182	8.981273786	14.4999346	6.394811575
ZFP62	643836	4037	6.733554706	5.298968971	6.646808197	3.961327762
TMEM111	55831	1107	24.55588107	25.76565822	35.11869566	39.49831472
RPS27L	51065	1084	25.07690069	26.10678133	28.06734837	16.99356691
LOC72967	729678	2908	9.34778554	10.11482613	8.13751488	29.58468595
ZNF708	7562	4003	6.790747027	7.236634778	6.333792496	6.523438252
ANKRD22	118932	3993	6.807753656	6.082835622	7.302102947	9.175963986
ICT1	3396	888	30.61189229	20.07501664	37.11759321	14.5894676
TIMM8B	26521	1155	23.53537693	20.45044553	24.14682987	13.67052062
CDKAL1	54901	3272	8.307872968	7.423215965	8.007124208	5.691765095
TYSND1	219743	3802	7.149752854	5.040402653	4.779192393	1.490796466
RNF146	81847	2158	12.59655253	11.97803125	9.203321394	15.571451
ERCC6	2074	7006	3.880011469	2.894344035	3.498291795	4.189578237
DPH3	285381	4065	6.687173518	4.440208478	6.289165098	4.432021846
FOXO3	2309	7341	3.702950599	2.640845058	5.382134638	6.590450653
SMG8	55181	3283	8.280036658	8.959462195	10.55458448	9.18729838
PIGM	93183	4322	6.289532705	6.135374707	6.404049916	4.683684936
DEDD2	162989	1951	13.93303965	8.680309606	13.53695293	23.55271752
ICK	22858	6238	4.357704449	4.358061484	6.130577398	2.855681299
RASAL2	9462	10896	2.494801794	0.674878726	2.152405333	0.241517549
SOX4	6659	4912	5.534071732	4.309671224	6.968267781	1.524810246
ACSF3	197322	3625	7.498858028	6.454463972	4.371408856	3.573916477
ZNF143	7702	2955	9.199106717	10.55721687	9.724104076	9.453530656
NGDN	25983	1588	17.11798511	15.29519058	19.69152688	10.3254017
PPP1R35	221908	960	28.31600036	20.65844681	27.51103664	17.29079871
RNF141	50862	4084	6.656062769	9.493850917	6.415110286	5.997525078
SRFBP1	153443	2836	9.585105906	9.743036992	7.673600289	6.566803735
BAZ2B	29994	8145	3.337429141	7.195211306	3.631659495	16.67646004
RHBDD2	57414	1878	14.47463277	40.46109984	17.32580045	75.23713863
LLGL1	3996	4225	6.433931444	4.904956138	6.351044898	4.072533338
SLC48A1	55652	3034	8.89221298	20.1239801	8.774515469	22.81828317
POMT2	29954	4874	5.535283993	4.663301979	4.421634317	1.287504052

POP4	10775	2612	10.32885688	6.995513074	8.655233333	7.052460386
TBC1D10C	374403	1766	15.27688232	35.33021049	16.63000104	45.62100082
EEF1E1	9521	1103	24.45963208	10.50525803	26.4345395	5.138720002
GLTP	51228	2371	11.37873226	14.37933394	11.04989895	15.36785969
GMPPA	29926	1845	14.62275023	13.40619404	15.68889556	11.52034179
OAS2	4939	3647	7.397579979	6.843230242	3.24429576	481.5664423
ZBTB39	9880	6256	4.312495873	2.49333247	4.154096171	2.782749715
PLA2G4A	5321	2940	9.176521831	7.579343018	3.521412689	5.026294897
ANKRD36B	57730	5986	4.507012058	4.094820468	4.376764185	1.589401363
LZIC	84328	1484	18.17990174	14.71536597	21.21390124	9.95775404
SPATA5	166378	8152	3.309491435	2.678803129	3.084259887	1.266421984
ZFP36L1	677	3022	8.927522893	0.737368249	20.90474641	8.975998556
C1orf55	163859	4029	6.696196124	5.530719403	7.813707978	7.837900874
HSPA14	51182	1810	14.9055106	14.40410172	16.45919964	7.828740556
ESCO2	157570	3376	7.991402305	8.976672134	9.262483614	6.295921389
CHTF18	63922	3096	8.714138948	8.636925765	8.803531723	2.615359986
FAM73B	84895	3597	7.500409836	6.876404784	6.520046848	5.909099419
USP45	85015	6388	4.22338356	3.627833315	4.035181729	2.693558759
KCTD15	79047	4935	5.466864069	2.257676644	4.324166342	0.164076079
ANKRD26	22852	6816	3.958182832	3.694262526	4.494760915	3.088703308
RHOBTB2	23221	5449	4.913670034	5.234462038	6.940717982	4.123619708
CEP72	55722	2427	11.03196869	21.94355651	9.66320911	48.37607767
ACN9	57001	2068	12.94709285	9.697747402	14.20144189	1.957725947
PCBD1	5092	1025	26.12154928	20.43538767	17.72730681	7.10969665
C2CD2L	9854	3370	7.944981606	8.397552214	7.586188761	7.027945687
HAUS7	55559	1892	14.15147358	11.42429726	13.28905212	3.637727981
CLUAP1	23059	2221	12.05519496	7.223752049	9.893568294	2.825436628
IRF1	3659	3567	7.506192322	55.28649453	6.515650056	103.8533275
ZNF276	92822	4621	5.794111234	5.883052919	5.852510161	4.862498115
WDR73	84942	1855	14.43374017	21.26220226	16.17382001	11.45823753
C19orf29	58509	3625	7.386093245	5.286513348	7.227395975	3.294704252
RUFY2	55680	4520	5.923581419	5.521517852	5.983285277	4.43372952
SDCCAG8	10806	2632	10.17271581	11.42948801	8.990840909	9.613832777
PISD	23761	2693	9.942290388	14.81138157	9.964041847	12.2524711
DNAJC16	23341	6035	4.436551452	5.169275205	5.181465564	4.796574549
FAM108A1	81926	1731	15.4676996	16.99244043	15.62359876	20.34813527
C22orf46	79640	4991	5.364573836	4.687924644	4.78364617	4.623700737
PASK	23178	4530	5.91050508	5.164996004	6.110000825	1.608706196
ZBTB34	403341	6577	4.070942377	7.352089492	4.882968485	11.35719179
C1orf131	128061	1486	18.01789234	16.19510764	14.07617185	11.98771194
WRAP73	49856	1708	15.6759883	9.654343484	15.71028378	8.770337154
MDM1	56890	2976	8.99683737	7.862040288	8.945524171	5.91777926
ANKRD46	157567	2800	9.562352862	5.968732627	6.338542841	4.482353394
ASB8	140461	2629	10.18432408	11.95108731	12.29614625	11.85775766
PLEKHJ1	55111	1215	22.03669795	23.10857471	21.04152767	12.49560882
APOBEC3C	27350	1127	23.57604423	43.10339421	21.9346203	45.80244903
NDUFAF4	29078	2411	11.02040724	8.410524393	11.39237618	3.442382157
PTDSS2	81490	2473	10.7441172	8.650197224	11.87569019	5.075046301
GDAP2	54834	8885	2.990456032	3.460991614	3.495651088	4.283244371
MAGI3	260425	7221	3.679573722	2.098410547	2.487080005	0.841000677
MFAP4	4239	1978	13.43286241	3.604977711	8.545389742	4.502967629
SLC20A2	6575	3685	7.210366851	7.377364325	10.54990396	5.163721335
SESN3	143686	1987	13.37201905	20.41044219	5.210343889	5.093831478
CCDC115	84317	1644	16.16192326	16.12961647	12.08075886	12.31319118
CRTC1	23373	7009	3.790869146	4.101215057	2.833609298	3.985616078
ARHGAP21	57584	7185	3.698009999	3.907713052	3.322919699	3.465379282
NEURL4	84461	5217	5.093003996	3.929577726	5.548401822	2.405710083
RFK	55312	2707	9.815368247	5.350618584	8.663689882	5.010245223
ACTR1B	10120	2258	11.76713988	20.32928833	11.97716982	8.337415525
POLR2F	5435	2119	12.53902871	8.202430113	14.25848083	5.636292079
LAMTOR2	28956	699	38.01173368	74.27756158	48.96728375	55.31318001
LOC10050	1.01E+08	711	37.37018544	73.65074671	39.22586287	15.6590541



C1orf135	79000	2061	12.89189803	11.89305935	12.711941	6.384219356
FUT11	170384	2069	12.84205019	13.677985	15.6242477	14.67584797
RAD54L2	23132	4731	5.61619147	6.735378127	5.805753324	7.017191614
TTC9C	283237	1156	22.98460367	24.48075343	17.36336707	24.69071771
INPP5E	56623	3396	7.823969919	4.330670552	5.163909067	1.192160559
THAP5	168451	3427	7.753195753	8.778060239	7.151745643	5.316194242
D2HGDH	728294	2604	10.20361054	13.09270383	8.519546829	6.296750345
PTAFR	5724	4247	6.25622836	30.74639822	12.78553889	79.36050314
ZNF473	25888	4711	5.640034355	6.811272894	8.028013645	4.726634457
CXorf69	644538	1552	16.9882833	10.48117654	15.92803936	1.956464526
ZMYM1	79830	4172	6.319706538	4.807032988	6.73558803	3.881665637
ZNF280C	55609	4695	5.615722189	5.742865784	5.310245333	4.699626424
CCDC132	55610	3625	7.273328463	7.683885681	7.169110523	8.711421413
EXD2	55218	5281	4.992580132	4.303907185	4.080864544	3.334843984
TADA1	117143	2276	11.58427754	7.636621006	10.48997277	4.358090635
GLCCI1	113263	4762	5.536710558	4.305041368	5.546114063	2.252988185
C9orf80	58493	1532	17.21006245	16.14518799	18.20469223	13.74190715
MRPL50	54534	1050	25.11030065	14.0066259	26.15906569	10.41062724
LRRCC1	85444	3876	6.802326026	5.116643174	5.12403704	1.514560636
ZNF496	84838	2453	10.74839612	7.903156776	9.819185811	6.024177332
ISOC1	51015	1942	13.57663011	7.573098452	10.00937078	2.188983585
RNPEPL1	57140	3048	8.650201994	16.22993964	9.98195723	18.26375896
AGTRAP	57085	1297	20.32830816	63.39650013	19.22251491	42.92053764
ASB6	140459	4657	5.661545132	7.655836281	5.807268511	6.867889274
ASNS	440	2362	11.16249605	7.92461707	12.16542233	5.913459587
CNIH4	29097	651	40.50048491	44.15578546	43.16570393	77.73765858
VAV3	10451	4776	5.52048067	7.138484247	10.35189157	13.26638068
SMG6	23293	6331	4.132274445	18.37287339	4.972584022	36.61049567
IL4R	3566	3678	7.112949839	5.573846383	7.35303139	10.67732447
IRF2BPL	64207	4166	6.279747842	4.706979418	6.440990085	9.183642606
C1orf123	54987	1118	23.40020529	19.73205348	26.6468259	6.88040858
VAV2	7410	4865	5.377477803	3.297832128	5.254975565	2.163679522
SLC9A1	6548	4587	5.703385548	14.03938214	6.264383594	48.67648481
LOC55064	550643	722	36.23466691	51.85026459	26.04479745	35.60729307
MICAL1	64780	3661	7.145979107	5.295395677	6.059792391	11.66689158
SLC26A6	65010	2750	9.513247094	9.318457726	16.36496515	25.1747895
ARL3	403	3891	6.72357479	3.550662157	6.081699633	1.508721929
ALG6	29929	3371	7.760732575	7.667929822	7.583938334	5.224358077
CYB5R4	51167	2259	11.58097809	18.24880331	20.20252698	30.28816099
RNF168	165918	5365	4.876314913	4.527262374	4.804611535	3.244898828
GPR153	387509	4099	6.382393147	0.706715028	4.587544221	0.34569457
MEIS2	4212	3773	6.933853567	12.52068093	9.29585751	10.83769688
HEBP2	23593	1282	20.40673129	17.55546112	22.57879275	14.52687628
POP1	10940	4761	5.494944236	3.276262956	4.881605492	1.403098609
MED8	112950	1502	17.41772937	16.6160191	15.19224649	21.96797914
C9orf25	203259	3692	7.085977657	7.484088003	6.695643846	10.19820382
LOC64676	646762	5784	4.523068726	5.355073164	4.310442919	2.064886396
DCBLD2	131566	6093	4.293686117	2.157743049	3.537017177	0.96347235
GCC1	79571	4152	6.300922329	5.957232179	6.869807992	7.898235982
IKZF5	64376	1727	15.14848263	12.51579063	17.49491655	8.67384821
RASA2	5922	2592	10.0931441	9.800511597	10.59684374	11.16795039
C14orf102	55051	3824	6.84137801	7.866739655	6.575022647	7.940462721
SPC25	57405	1375	19.02649419	18.63691545	23.35656998	6.624944606
RIPK2	8767	2588	10.10874401	11.45160242	9.06205893	32.30414235
FAM100A	124402	1430	18.29470595	7.012217352	14.62740656	10.75845705
GMFG	9535	674	38.81517731	57.85715108	51.41053541	59.7675723
RNF125	54941	5888	4.443177566	1.3624281	3.624280044	1.065776962
CLSTN3	9746	4029	6.442552331	10.45305967	6.660006129	14.92215743
GFOD2	81577	5309	4.889252843	4.155290222	4.61650637	3.889196463
C3orf75	54859	1374	18.89158904	17.02869862	18.45281759	6.187781837
FAM54A	113115	1811	14.33298914	17.84138006	13.65009226	10.17174298
ISCA1	81689	2012	12.90111498	11.73969413	13.12653835	8.04886135

USP53	54532	6612	3.925747632	2.864606504	3.930433401	3.337075932
AGL	178	7449	3.484634628	4.965797512	3.914256554	3.777367694
MGST3	4259	1528	16.98759381	8.312475805	13.96581211	2.649592447
NOSIP	51070	1116	23.25899941	18.17004867	26.31593354	22.31070801
FBXO33	254170	5149	5.041181461	4.933564976	7.180973633	4.521134053
TMCO7	79613	4834	5.369682115	4.794083412	5.725755842	1.926298655
MRPS11	64963	1501	17.29316678	22.71379132	20.41058654	15.37434402
ZNF780B	163131	8664	2.995965298	2.751973369	2.828835678	3.364468636
MVK	4598	2087	12.43749082	12.70584067	9.313942523	9.11754342
NEU3	10825	2748	9.44579452	9.163061636	11.30235077	3.388547196
RAB3IP	117177	9636	2.693757092	1.734376438	2.433853104	1.6385898
SPRYD7	57213	3220	8.061193584	6.574256227	7.152186021	2.891840899
SYTL1	84958	1989	13.05029831	34.50601654	19.54569939	26.15596671
TMCO6	55374	1896	13.6904237	9.519750772	13.03814192	12.38488824
C5orf62	85027	2344	11.07382395	27.75902045	10.99690311	13.29950721
FAM3A	60343	3080	8.427611475	7.958310169	8.094675922	5.652234485
CEP97	79598	4439	5.847497937	2.961732012	4.664543053	2.052106067
HMBX1	79618	3233	8.028779258	7.85738511	7.058074305	6.76223854
KIAA1370	56204	4231	6.134966519	5.003333739	5.842665346	10.28650568
ZFYVE19	84936	2293	11.32012357	10.30103122	11.05720513	8.828123112
ATAD3B	83858	2466	10.52597054	6.054253803	11.30964659	2.216374412
FAM160A2	84067	3507	7.401495107	9.086134565	5.783671825	9.639469665
ENOX2	10495	4184	6.203882252	7.402902289	6.7162699	4.934929259
SOCS5	9655	4510	5.755441983	5.731394996	4.684806239	3.186795847
CCHCR1	54535	2974	8.727990364	7.342838973	8.312144277	5.445295574
TERT	7015	4018	6.46018998	0.277293037	2.576643431	0.100761007
COQ2	27235	1657	15.54173638	11.16180618	14.15365631	9.52893863
LGALS12	85329	1823	14.12652615	39.97053643	11.47404903	26.09477937
SLC9A6	10479	4742	5.430758577	5.357006761	6.460626402	7.897372342
ZNF274	10782	2839	9.071031058	8.319924122	7.516647023	7.914619157
DENND5B	160518	9409	2.737023825	0.899951325	3.32342913	0.688460369
ZNF25	219749	3736	6.893109522	4.711933109	4.241530274	3.521915442
KLHL20	27252	3505	7.347405756	6.86617117	6.630905492	8.951918333
CCDC69	26112	3416	7.538834067	6.84936531	17.38027457	18.13326466
OXNAD1	92106	3992	6.451066426	4.242305621	6.351245332	2.079053953
CHST10	9486	2872	8.966802637	4.112163054	8.975188331	1.550638922
LINC00094	266655	5734	4.491220295	1.865359063	3.168902943	1.165007408
PLEKHG2	64857	7642	3.369884477	2.59514642	4.589540747	7.046071388
TUBB3	10381	1851	13.91283478	1.324235296	10.0448725	0.656171355
PIP4K2C	79837	3229	7.97542805	10.69652095	7.393985145	16.80115679
CYP2R1	120227	1633	15.77015136	4.639504765	13.06782664	3.594878767
C20orf194	25943	6855	3.756769828	1.495303209	2.989733312	1.653685824
ZNF777	27153	3125	8.240850296	5.847129648	8.857057196	4.275297586
METTL10	399818	2638	9.762189982	7.602328138	10.01159787	3.836786637
THUMPD2	80745	2345	10.98194336	9.977582899	12.97441605	6.47427067
ZC3H6	376940	11557	2.228316793	2.737928635	1.809915322	2.031820378
LYSMD2	256586	1709	15.06884563	10.17024541	14.83567663	30.67821855
APOLD1	81575	4752	5.419330213	3.985853999	3.1123597	2.385525321
PTGS1	5742	5093	5.05648089	42.48390671	6.305769434	60.81212651
IRGQ	126298	9703	2.654092257	2.778806024	3.396931132	2.044525257
SMYD2	56950	1689	15.24728074	9.762947703	17.88852627	4.194795858
PEX2	5828	4392	5.863537608	6.291268877	5.243633649	5.346481808
SARS2	54938	2083	12.36325356	10.48372689	12.98341308	3.88725613
LSM6	11157	789	32.38057162	21.74666252	27.84995587	20.52510651
BRI3BP	140707	1272	20.08511871	19.27012211	21.26135963	7.002256266
E2F6	1876	3444	7.418197156	7.634801626	8.650160091	5.525061881
TMEM50B	757	2350	10.87160468	12.61138173	10.78900909	8.18329446
RNF19B	127544	2604	9.811163981	6.332418844	8.60068537	45.01010432
RABEPK	10244	1721	14.84501511	13.72473247	16.94206686	3.763930049
ARHGAP9	64333	2614	9.773630836	65.04259314	16.32728454	93.23808378
ATP5SL	55101	1782	14.33685242	15.7558464	17.31064824	9.99648706
ZUFSP	221302	2226	11.47721069	11.11160288	11.86459801	19.55175451

PLA2G12A	81579	5235	4.880280994	3.660670657	5.650404315	1.430729308
BTBD3	22903	4857	5.260092857	4.817260016	3.697592077	4.167775642
TSTA3	7264	1363	18.74414601	17.00264066	16.58655133	5.643651352
ZNHIT3	9326	983	25.99010275	25.84224421	33.9603177	22.6522634
ELOF1	84337	1029	24.82825171	24.47045032	25.46094306	39.54149801
TRIAP1	51499	1196	21.36143061	13.60099163	25.08564892	5.246901966
DNAJC24	120526	3000	8.516090335	5.570817119	8.028820932	3.711195821
ENO2	2026	2423	10.54406562	1.471449837	13.51594635	9.524098381
GPR172A	79581	1952	13.08825359	10.04573579	14.7206596	7.051825144
TSTD2	158427	4445	5.747642521	4.76245333	4.800846096	3.50664172
CHMP4A	29082	1372	18.62118878	24.84941747	20.94367897	25.96755093
UBLCP1	134510	2410	10.60094233	9.985863051	12.09846351	11.33937614
TTC27	55622	2953	8.651632579	5.508562813	7.226468303	1.987957002
RNF115	27246	1675	15.25269911	16.49627039	15.38909904	18.12795788
ZFP1	162239	3307	7.725512853	3.36910621	6.900137353	2.876975071
ITPKB	3707	6162	4.146100455	9.149086212	7.954895267	21.05759512
NIPSNAP3	25934	1664	15.35352825	14.06095667	13.84016766	12.53015197
LOC93622	93622	1688	15.13523164	16.76525531	15.27058109	5.396504048
SLFN5	162394	4660	5.438601896	6.503271486	4.670027987	95.82791238
CCDC77	84318	2386	10.62191318	9.899524134	10.80332812	6.108498798
STK3	6788	2826	8.968112115	6.071520426	9.943691883	6.876564347
LYRM1	57149	1657	15.29504215	9.413571474	16.19382299	12.94958327
PDSS1	23590	1679	15.09463064	13.27175013	13.08732292	3.97864948
L3MBTL2	83746	3205	7.907608374	8.273662866	8.833746653	6.316033166
MMACHC	25974	2866	8.842946559	6.997537204	7.372113097	1.836409783
PMM2	5373	2340	10.83072002	13.80800824	15.89150342	11.85160437
PEX3	8504	2774	9.136223806	6.667308159	6.702616799	5.61896988
WDR85	92715	1847	13.72164853	8.445201912	13.15525044	4.164751918
EAPP	55837	1363	18.59419284	16.51217987	18.13669632	16.63391977
TOP3B	8940	3124	8.112639193	5.064379199	7.574869806	4.730251919
SPTBN2	6712	7884	3.214597265	0.423958685	3.162303633	0.256759085
MRPS36	92259	1329	19.06989077	22.13236598	15.89802569	18.12568449
HYAL3	8372	1945	13.03027498	18.67441008	17.27212188	9.158735188
PIK3C2B	5287	7606	3.332091091	1.318363241	3.277886122	1.277489537
CRK	1398	2415	10.4097303	9.503837072	9.79871357	12.99232868
FGD3	89846	3470	7.244812297	8.797716948	9.255124993	29.81012939
ARID3B	10620	4253	5.911003684	6.758856415	14.55594523	24.13153857
NDUFB2	4708	509	49.38997774	51.65865776	49.81173156	25.05504591
MRPL41	64975	632	39.77768777	21.86016844	32.0938878	15.37434402
C19orf79	1E+08	439	57.26537282	58.37302675	54.86665785	31.81683723
SERINC5	256987	6479	3.880151053	1.685260311	3.619788318	2.968165146
RAD9A	5883	2128	11.81367419	13.82232819	10.72309879	18.54963735
INVS	27130	3880	6.479252234	5.743110431	6.806854425	3.912929052
ZC3H3	23144	3302	7.613415708	7.490741371	7.294507206	7.663115648
ELMOD2	255520	4425	5.681242637	6.496139284	6.254983896	2.97353132
PMS2	5395	2851	8.817782767	7.815948255	10.00471511	4.047157204
EDEM2	55741	2134	11.78045861	11.17296029	12.77213412	19.63578942
TCFL5	10732	2474	10.16147885	5.494257789	7.259177331	1.063692489
ZFP64	55734	3281	7.662145282	4.686210072	5.988870103	3.393351863
TMEM18	129787	2138	11.75841846	14.48725125	8.992943538	5.018114938
SLC2A5	6518	2454	10.24429449	187.5099813	12.05373537	84.96402968
ORMDL3	94103	2169	11.59036361	10.06805122	13.83238179	12.97261962
PRMT7	54496	2478	10.14507614	9.891684956	10.40223603	5.146496516
ZCCHC2	54877	5559	4.522305931	3.447312626	2.850576921	19.3361623
ABC8	11194	4683	5.368246566	4.377665385	4.286152537	2.20454239
MTMR9	66036	7421	3.387616045	3.513195542	4.014438937	3.273340999
POC5	134359	2170	11.58502243	9.960723696	11.68394994	11.84721917
FASTKD5	60493	2875	8.673082609	8.680786327	13.00779226	10.13904566
WDR7	23335	7282	3.424212099	4.100464125	3.017524743	3.808397998
C20orf112	140688	6005	4.152391757	7.013385082	4.011067909	12.70868965
NCEH1	57552	4318	5.77469025	11.50803351	6.458913502	18.37705287
FAM50A	9130	1357	18.37517502	22.98937057	26.00188294	33.26576009

TIMM8A	1678	1459	17.09055004	13.74567623	16.79851427	4.162348107
C14orf21	161424	2047	12.1812958	13.38955556	11.9731472	11.37240803
PIGB	9488	2227	11.19672766	20.51221391	14.80036945	23.36067255
TMEM70	54968	2189	11.39109753	9.670673847	11.19645149	7.860417246
DOLPP1	57171	2225	11.20679214	9.313905475	12.43968707	8.552050839
GALNT10	55568	5966	4.179536122	3.697692891	4.993488326	4.953840763
NFIX	4784	5576	4.471863791	6.074348651	3.220804289	3.194716632
PIAS2	9063	2360	10.56572564	8.875539138	8.684161802	8.405944309
ZNF322	79692	4800	5.194815104	3.945995459	5.194083717	3.711195821
TLR4	7099	5787	4.308815017	7.393100997	2.59222707	13.46727359
ACSF2	80221	2257	11.04790098	14.01960179	11.13995862	8.69986695
HAUS5	23354	4309	5.786751567	5.636751598	4.756236215	2.91264551
SIX4	51804	6277	3.972456986	2.165492077	2.154249598	1.289972044
MPST	4357	1626	15.33524754	12.74504285	17.80197559	4.730809835
BCL2L12	83596	1893	13.17227285	14.0079712	15.29107887	8.020160973
C12orf4	57102	3830	6.510473238	6.690798628	5.792402074	7.55804893
EVI5	7813	7403	3.368244293	2.588627703	2.854042434	2.105500803
PVT1	5820	1918	13.00058003	7.667860893	9.693982794	4.010582269
CEP128	145508	4461	5.589579131	10.24001353	5.920330681	6.352844836
PEX13	5194	4524	5.511740164	6.403238067	6.912056738	8.904364219
KCTD2	23510	3714	6.713815967	5.999803036	6.314649572	5.777452739
FBXO10	26267	4592	5.430120318	3.251260862	3.956988127	1.322488216
LOC10012	1E+08	3161	7.888362069	8.811795505	8.221457022	2.433501042
E4F1	1877	2573	9.691065877	6.668525738	11.24990762	6.215266294
ZCCHC4	29063	2814	8.861091863	8.23546525	9.835928834	6.690079693
SHARPIN	81858	1816	13.73078882	17.66955209	14.54327928	11.92725129
PET112	5188	2233	11.16664241	8.382420743	13.62517046	4.713972626
NDEL1	81565	2420	10.3037655	9.115882558	10.38962256	16.31141664
DLL1	28514	3366	7.407935978	3.64105694	7.030271323	13.5914804
TRMT2B	79979	3574	6.976808198	8.479363493	5.143193687	5.890487338
FAM69B	138311	2334	10.59585533	7.160433314	7.966177806	1.474417597
MOCS2	4338	1532	16.14277176	12.2179801	13.92934784	8.985093134
RRP8	23378	1699	14.55604846	16.2632448	17.28580449	7.863628579
BPGM	669	2121	11.65993698	8.614936421	11.25656673	7.348902616
GPANK1	7918	2793	8.854538608	7.978255809	7.337852435	7.682584845
MED10	84246	1059	23.35290494	28.82726894	23.54258908	25.80537913
POC1A	25886	2284	10.82781363	11.31724669	10.26821739	4.608713167
VAMP2	6844	2173	11.3809141	10.15206433	10.01487824	9.595109473
LOC10013	1E+08	4033	6.132091826	6.685533066	5.919954881	6.67568529
URGCP	55665	3831	6.455423214	7.270708847	6.507857437	5.125450198
SNIP1	79753	2531	9.771128539	8.716094741	9.266143228	14.47634302
TUBE1	51175	2314	10.68743575	9.629761657	9.404637174	5.948644201
TAP1	6890	2974	8.315644362	10.71455075	5.754561422	190.9256761
FAM73A	374986	5292	4.67322871	4.50549835	3.313801057	4.628475514
ZNF140	7699	3067	8.063490816	8.137352687	7.371199695	6.53422153
ARHGAP5	394	9604	2.575044391	2.413015328	0.79198786	2.128833315
ABCC5	10057	5851	4.226752065	2.05656554	2.636094271	1.314697794
FAM45A	404636	2192	11.28226566	6.201092048	8.000289778	7.942008309
APOPT1	84334	1244	19.88000509	16.65871357	17.83352085	11.39069165
SPRY1	10252	2612	9.389869895	19.62156106	15.12643582	15.42241337
B3GNT5	84002	4131	5.937143589	17.96254757	5.370346149	16.41579983
FAM82A2	55177	2251	10.89575307	12.67107226	13.14076703	14.02883279
ARV1	64801	1450	16.91471736	14.90673822	14.2799356	11.3080951
SGPL1	8879	5783	4.241110179	3.429380761	5.918750016	5.880693235
SHQ1	55164	2861	8.572645986	8.100174489	9.895895848	4.386784167
SKA1	220134	2938	8.347971465	7.963727671	7.766764543	4.823015795
FOSL1	8061	1668	14.70404087	7.080415043	15.96035967	11.52922181
ZSCAN12	9753	4367	5.616290397	5.153675557	5.031741512	5.423443317
JAK2	3717	5285	4.640745537	11.76354192	4.03779771	40.98370546
LGR4	55366	5248	4.673464208	3.651602684	3.502624664	1.465757773
MAP3K13	9175	9945	2.466198106	2.599154493	2.018305915	3.093935361
YRDC	79693	1871	13.10867994	11.19522842	13.66405993	10.06193707

CDKN2AIP	91368	1270	19.31207887	11.75574006	21.12847614	8.925997107
SCRN3	79634	3071	7.98643444	6.602987402	6.604798792	4.350473772
TMBIM4	51643	1831	13.39505197	26.40889819	15.92424744	30.1819113
NFE2L3	9603	3720	6.593102195	4.073285635	7.781186104	5.713717906
TSC22D2	9819	3901	6.28719307	5.026730648	5.741139376	9.59993326
RSPRY1	89970	2084	11.76887724	15.1834171	13.88964122	15.63869815
ABHD15	116236	3365	7.288659782	7.218057247	8.350928161	3.789901446
MAPK7	5598	3183	7.705416326	8.050819587	7.699978736	10.93866303
BCL7C	9274	877	27.96618035	28.71162301	34.6921387	13.84918105
NFIL3	4783	2104	11.65700578	7.837271231	11.44793859	40.69743775
LOC653075	653075	3471	7.066073225	10.52853941	9.982915835	5.773684077
ITGAV	3685	7047	3.480394518	4.521792808	4.647245354	3.705594341
MAP4K1	11184	2786	8.803424323	5.438845141	9.858944356	1.380527063
C2orf56	55471	2221	11.04292668	9.130019951	10.9400034	8.749739236
UROD	7389	1458	16.82190683	16.35329031	16.52020768	8.608086079
ZC3HAV1L	92092	1802	13.61062162	6.801219568	11.37326407	3.145398536
TRAK2	66008	6527	3.726360349	3.311593446	5.697275624	4.093857808
ZNF787	126208	1945	12.50486067	13.1751973	12.3837855	12.38510781
ZNF302	55900	2665	9.126436772	7.776149974	7.293882944	6.076663804
PARP10	84875	3525	6.899845106	11.63155007	5.514382424	63.28414382
ATG4C	84938	2738	8.883109568	6.429431006	7.176582471	4.509919883
COG8	84342	2522	9.643915146	8.393776784	9.131657014	5.618564793
FAM135A	57579	5950	4.087723361	5.243121994	3.97712492	11.53334194
PGS1	9489	2206	11.02536446	20.80849187	11.49327804	24.13363144
AGAP6	414189	2772	8.774153679	7.154440455	6.707452742	3.651314267
BRPF3	27154	6054	4.017501486	5.926009621	5.479304185	10.56615803
MRPL1	65008	1377	17.66300218	19.74261985	24.70359229	15.28874491
SYT11	23208	5298	4.590780294	3.070363531	3.868369545	6.380826748
TOE1	114034	2408	10.10047923	11.01208035	8.335569904	4.875778261
HTRA2	27429	2550	9.538021175	5.767434193	8.699960762	2.381516035
TMEM222	84065	1870	13.00639251	12.15451008	15.59213747	11.04157434
DCAF4	26094	2568	9.471165887	4.772506877	7.65166776	1.734203655
ICAM1	3383	3249	7.485981532	429.410723	33.29572109	1101.427344
CA2	760	1666	14.599012	0.401259336	3.043718051	7.897884809
SDC2	6383	3485	6.979039884	0.255762048	19.09747484	0.406600299
ZDHHC13	54503	2448	9.935438724	14.38217491	11.04756922	14.80178369
C7orf70	84792	2229	10.91159892	7.297795418	10.90073915	8.990783954
FGFR1	2260	5963	4.044535943	1.046338282	3.436964926	0.848687167
PDIK1L	149420	4361	5.530283841	3.116898365	4.215036514	2.181645622
SNX25	83891	3237	7.450592471	3.992677082	7.245167906	2.81411765
SELK	58515	832	28.98746133	21.15839194	28.44217941	23.11387257
LAPTM4A	9741	1783	13.52639811	16.24691476	18.95993372	25.65839766
NXT2	55916	2692	8.958977648	7.035950298	6.985268856	8.647592585
C14orf126	112487	2696	8.945685397	5.207143597	7.366753549	1.802037356
MZT2A	653784	708	34.06436134	38.71245794	39.39207415	28.59164731
ADAP1	11033	2338	10.31546956	5.909164437	10.21179557	8.658206286
GALK1	2584	1361	17.72047599	15.06290007	16.76616769	6.990563232
NFIC	4782	2401	10.04480126	14.38528369	10.38384083	8.51533326
C7orf26	79034	1913	12.60719698	14.56042111	12.37004353	8.042129422
WDR90	197335	5541	4.352565932	5.107336395	3.469935622	1.351717728
PTRH2	51651	804	29.99697491	20.78663104	29.95828706	14.35129999
HCFC1R1	54985	1000	24.11756783	20.05494163	21.76233042	12.5505895
PARP12	64761	3805	6.338388391	4.685049876	4.997537062	54.21156672
TAF3	83860	2790	8.644289544	6.229730971	9.087516618	6.022077285
C3AR1	719	1985	12.14990823	28.62586126	23.52339157	170.4073703
TIGD7	91151	3435	6.961624938	4.346372599	5.289807708	3.653737847
SPPL2A	84888	2010	11.8971053	23.72447489	14.19076755	51.06041469
PDSS2	57107	3568	6.702124905	10.36721571	7.757372124	5.559985586
SPAG7	9552	1038	23.03774727	18.89140295	19.74433704	17.16159917
CCDC146	57639	3333	7.174671966	6.685649107	5.134733174	12.87576326
NDUFAF1	51103	1474	16.22332541	14.81519885	18.77768232	10.43730908
ZNF814	730051	6283	3.806013315	5.461759263	3.90084869	3.640690994

SMYD4	114826	4349	5.498547174	5.687382848	3.983754985	3.816777825
SCOC	60592	2009	11.90302721	8.984294407	9.360051648	6.650226458
C5orf44	80006	3120	7.664481302	7.142073229	8.19405645	7.850606544
CLEC5A	23601	3524	6.785806374	5.501260946	1.858634393	13.72885875
NPRL2	10641	1672	14.30214214	11.72803604	15.16397809	6.658844176
EXOC8	149371	5099	4.689778714	5.462656519	5.055254145	7.463547016
NEDD9	4739	4745	5.039658938	7.185121342	14.69419837	20.69083215
APPL2	55198	3289	7.270654199	7.520349044	4.304067805	6.154723714
TMEM143	55260	2265	10.5576961	10.72351551	9.141680624	7.864785845
FAM103A1	83640	1220	19.60096857	20.09147158	13.68155422	21.73621397
CHST12	55501	2093	11.42531374	9.58191191	19.07922594	23.88912047
ZNF320	162967	6145	3.891486031	2.538370697	3.266403959	2.174174932
NFKBIE	4794	2581	9.265083945	19.1665463	7.85871255	25.64674087
NECAP1	25977	2600	9.197377562	13.28425621	10.23918459	31.53218827
ACACB	32	9260	2.582417026	2.743296551	2.258875958	1.267912965
C18orf25	147339	5473	4.369300504	4.478639744	4.246541887	6.176798851
RFXANK	8625	1438	16.62947264	19.83489822	25.41882039	25.05725842
FAM172A	83989	4720	5.023049893	6.798285297	4.924009269	3.045010439
C21orf58	54058	2991	7.926711967	8.567622449	5.015452376	1.556624489
C10orf88	80007	3102	7.643067535	5.387637445	5.925781508	4.502769679
FAM129A	116496	6926	3.42315846	3.249509263	7.84004962	11.69095368
C10orf28	27291	3386	7.002006938	10.52960117	8.923130796	15.60364242
ARL11	115761	3760	6.305530716	11.79353837	6.462166903	18.89694971
OSTM1	28962	4467	5.307543204	9.278459674	6.527265965	22.25040782
PGGT1B	5229	2727	8.694094424	12.66559081	9.374938073	12.91625308
NDUFB6	4712	873	27.15784134	18.37795338	26.13832099	11.36198658
EPB41L5	57669	6621	3.580848134	1.783738452	4.276115092	2.079015659
CISD3	284106	2636	8.994231978	8.284371436	9.297811957	4.377255383
ZBTB43	23099	5974	3.968663457	3.767342009	4.527025352	7.827430087
BARD1	580	2610	9.083829691	5.890979022	7.366633442	5.816921349
PTPN3	5774	8783	2.699396048	0.329821804	1.419310136	0.368764865
RAB18	22931	2809	8.440297434	12.4545146	11.88429772	13.04365404
PHF16	9767	4932	4.80713615	2.394592922	5.055069311	0.985055294
ZDHHC8	29801	5029	4.714415489	1.196357623	4.705486831	0.925803112
SAP30	8819	1126	21.05576864	9.103289075	23.83051927	5.033755029
RBBP9	10741	3871	6.12472113	3.511442462	4.421096789	1.777985363
ECE1	1889	5259	4.508232647	2.923646177	8.798509743	41.10934125
C1orf216	127703	2934	8.080707394	5.468286742	6.121065002	3.035743003
CORO1B	57175	1927	12.30347457	43.71082244	11.40301774	103.9982223
ZNF493	284443	4955	4.784822501	4.856898073	4.39199403	4.534733358
C1orf112	55732	3363	7.049894586	6.228448518	6.596758829	3.671769444
CDC14A	8556	4287	5.530393164	6.289422639	5.0270692	5.760746741
MIF4GD	57409	1433	16.54486776	14.92807937	11.50049643	7.769426003
CHCHD1	118487	844	28.09098992	26.66599663	30.54116219	21.82586082
GGT1	2678	2431	9.752692511	14.0244347	12.42851537	13.82278538
STAC3	246329	1643	14.43018594	36.21200659	13.50267799	87.10724657
TRAF6	7189	8040	2.923433996	2.965559362	3.1797831	3.575236137
ATRIP	84126	2509	9.36803879	6.661000939	12.96845486	3.953373569
CHI3L1	1116	1867	12.58939975	2.625773468	25.12330853	22.87760583
SCAND2	54581	4509	5.212776519	5.48556842	5.013854395	3.816024252
POLR3F	10621	2177	10.79669698	9.314549523	10.67584922	6.787922368
LSM1	27257	935	25.1384057	25.73896252	24.85703075	24.89766764
IFFO1	25900	2816	8.346736266	11.63224597	7.728100291	11.71729569
WDR37	22884	4611	5.097464612	5.654180029	5.223696117	7.638825017
FAM72D	728833	2393	9.822151828	5.307757221	7.328305555	2.537762595
NUBP2	10101	1399	16.80086442	13.37951788	18.57614414	6.655988346
TDRD3	81550	3032	7.752113893	10.06862725	8.780303407	6.209064728
LZTR1	8216	4332	5.425763925	3.755029083	5.365033183	2.66353767
TMEM120	144404	7510	3.129748246	1.928645074	2.78524519	1.536410811
EPX	8288	2731	8.606521174	9.709662938	140.4954693	37.58016606
COMMD4	54939	969	24.25635637	26.90549444	25.29311901	23.60625543
ZNF746	155061	3816	6.159436406	6.656951274	5.536812405	4.72121824

UTP15	84135	3655	6.430754945	5.182155459	8.382021997	2.713820598
MRPS6	64968	1017	23.11151359	72.74380662	33.65597969	108.2805324
RNF113A	7737	1312	17.91494613	31.08108331	19.48586595	31.47521954
PDCL	5082	3085	7.618933331	7.728718725	8.697946416	6.364862142
POLI	11201	6074	3.869675556	3.88874952	4.069857932	3.132748291
ALG1	56052	3946	5.956515288	4.856464999	7.656796978	2.359789077
TYW1	55253	3344	7.02883054	7.063476251	8.08745498	5.569215129
ETFDH	2110	2349	10.00613424	10.52976927	11.69306896	8.790014483
MED20	9477	2478	9.402753494	7.463725922	10.91382141	6.616924092
TMEM128	85013	1750	13.31429895	11.96929849	11.95268079	13.07112087
TBC1D25	4943	3830	6.08355696	4.014479177	5.406241936	3.435476786
NT5C	30833	970	24.02064243	22.05354406	28.09869507	18.78205945
XRCC4	7518	1735	13.42940816	9.247235332	12.05601808	7.817137647
CD58	965	1395	16.70252556	24.91892389	19.68961934	45.27441236
SCAPER	49855	4874	4.780472539	6.034861384	3.207852347	5.81453443
BAX	581	986	23.63085513	29.15356626	23.78560701	25.25228209
DUSP12	11266	1271	18.33204025	16.65547211	20.44691239	8.122637302
HIC2	23119	6812	3.420437927	2.257113219	3.504870528	2.466470291
OTUD3	23252	6523	3.571979635	2.596241613	3.401027126	1.675787
ENOSF1	55556	5406	4.310030181	4.905121991	3.595671115	3.145398536
MTHFR	4524	7150	3.258744497	6.420074553	3.220984474	7.644166853
CHURC1	91612	3635	6.409910084	8.52097474	7.788764243	9.077277761
C6orf108	10591	813	28.65931508	18.08973824	20.79062842	8.465659705
SLC35A2	7355	2619	8.896534233	9.954724748	9.761533457	10.8209396
FAM188A	80013	2375	9.810536066	11.07126602	9.163086493	9.801818627
KIAA1958	158405	2683	8.684317241	4.318784796	8.268691742	8.601151836
C3orf38	285237	2782	8.301810564	11.13362444	10.40474921	20.73768007
RCBTB2	1102	3204	7.208376089	12.31004532	7.253846364	14.84731049
MIIP	60672	1588	14.54385201	15.99680482	13.43813659	11.85509084
PPP1R27	116729	805	28.69023228	14.394161	88.97581876	20.36861851
P2RX4	5025	2043	11.30476602	12.21598663	11.89317061	72.43049379
DUSP2	1844	1708	13.52203571	8.741094776	16.69990795	17.42215624
NDFIP1	80762	3599	6.417237285	9.03961433	11.09553206	8.943092306
OSGEP	55644	1642	14.06555237	18.86342459	11.9667983	8.506450392
TRIM38	10475	3286	7.028495736	20.14038569	7.65151753	112.672669
ZSWIM6	57688	5519	4.184750315	3.553048787	3.904882344	13.71777401
BIN3	55909	1863	12.39701395	16.5061248	14.06296855	21.51417867
EME1	146956	2371	9.740884432	6.954710532	9.089433007	3.671210927
LOC64340	643406	3799	6.079399049	7.214640754	6.562674873	8.898557545
NR2F6	2063	1804	12.80245953	13.09327305	12.41473653	7.854778496
ZKSCAN2	342357	7142	3.233777232	2.589626552	3.668343658	2.040727826
ZMYM5	9205	3268	7.067208381	8.659654517	7.370398652	11.76911994
COL27A1	85301	5583	4.13677897	0.957905147	1.551616553	0.797677769
PHPT1	29085	1273	18.1426842	17.67957672	17.59323229	6.2016698
TMEM219	124446	1019	22.66500195	34.76977122	22.39328187	82.0442791
CTAGE5	4253	3680	6.275988312	6.902969038	7.980592888	14.90712551
MFHAS1	9258	5255	4.394983252	1.696157448	4.905183803	2.003101974
ALDH3B1	221	2899	7.966759913	23.05960863	11.07805579	16.06024094
UBA7	7318	3330	6.935626723	21.1456842	6.027643342	76.53391545
RPS19BP1	91582	952	24.26012289	24.57713435	27.96415959	21.26353602
FAM115A	9747	5748	4.018030095	3.295194538	2.867120979	2.324339763
RBM47	54502	5160	4.436288919	7.255017643	6.633358787	56.72715811
C12orf43	64897	1920	11.92252647	7.891990918	14.85595978	5.482448372
IER5	51278	2350	9.740957796	10.05117642	9.170657727	27.22022157
TRIP4	9325	2057	11.12846418	9.641278047	11.81222536	17.02488736
FLJ10038	55056	5944	3.851152561	3.074071357	2.737033416	2.690423986
RAB27B	5874	1365	16.77014712	9.794843285	13.77607602	7.711575732
C14orf169	79697	2463	9.294052302	8.413901616	11.32342205	3.780644619
PTCH1	5727	8065	2.838344801	1.353850161	3.143728625	1.179684632
XYLT1	64131	9336	2.451933464	0.358021666	4.00572009	0.845621857
REXO2	25996	1171	19.54846355	8.182583641	17.501812	3.111630686
FANCE	2178	2565	8.924464258	4.864963098	7.166383719	1.972990867

TDRD7	23424	3785	6.047886611	10.36157266	6.810235373	45.3526224
WDR44	54521	4160	5.502704524	8.356225678	5.33290864	15.27948629
PLXNB2	23654	6369	3.594167188	2.798966051	4.578002366	1.716306893
USP30	84749	3766	6.07839905	5.443602495	6.171355218	4.837652062
PI4K2A	55361	4185	5.420995138	4.046662853	5.906885801	9.045208452
LDLRAP1	26119	2935	7.729766492	4.63127556	8.710547232	3.51750324
RPS6KA5	9252	3883	5.842612581	5.796060046	5.005974258	5.213207905
POFUT2	23275	4843	4.684465136	3.726914612	5.278847021	4.723200808
RNASEL	6041	4258	5.328056518	4.238949616	5.359031054	10.03111557
CCDC61	729440	1825	12.43115871	10.1343084	10.07220506	4.880476696
SYS1	90196	2967	7.646398602	10.21410351	9.399928716	7.368492484
FGFBP3	143282	2564	8.848231144	1.998889138	16.56327497	0.473702487
HIP1R	9026	4473	5.071957222	9.016927328	5.809976671	7.421939084
PTGR2	145482	2610	8.692285308	5.976355529	6.799969331	3.800388615
NTPCR	84284	926	24.49985384	9.625601933	11.18029515	6.995381873
ZNF184	7738	3119	7.208232922	5.358272317	6.774118671	2.920583146
ZBTB10	65986	6061	3.709367841	2.573550228	3.346533095	2.170908446
GTPBP5	26164	2949	7.623763474	9.218578345	8.096025105	9.060905361
ZNRF2	223082	3485	6.451213339	6.969515821	7.638989937	12.72078077
C1orf186	440712	1665	13.50299008	2.81050233	57.10398956	7.416312697
FAM206A	54942	1925	11.6792096	11.45996664	11.96365662	7.886838816
ANKRD13B	124930	3203	7.019194032	3.200219637	5.145242393	0.505598159
LCMT1	51451	1374	16.36279366	14.59602738	16.45376235	17.82670482
TRAPPC9	83696	4480	5.018410376	5.570817119	4.716177709	4.021466251
ZNF434	54925	3044	7.385833931	6.368739676	7.704536305	6.184587469
DUS4L	11062	2252	9.983338581	7.520108366	8.631526663	5.39330896
ENC1	8507	5559	4.044338637	0.481020366	3.572723074	0.873950838
STAM	8027	3882	5.791467925	5.625348559	6.150226181	6.987498103
ZNF689	115509	2724	8.25347962	6.871492481	6.515389117	5.722108094
CCDC71	64925	1851	12.1461256	15.04812836	11.41462784	13.77959845
STX10	8677	750	29.97663798	25.25437094	33.24213579	22.9419378
GJC1	10052	7644	2.941192894	1.224355411	3.068106817	0.767979726
TXNDC15	79770	3689	6.094464214	7.550578908	6.64381467	5.158122287
HIBCH	26275	1958	11.37798382	8.53547056	9.280127414	4.445577685
FLYWCH1	84256	5009	4.44761276	4.359673209	4.59773188	4.20295503
PLS1	5357	3880	5.74177637	4.881643867	5.064299692	4.121618601
CHCHD10	400916	749	29.74378146	61.5839329	27.362646	39.45876367
ZNF346	23567	3089	7.212072618	7.069473326	6.976706267	5.111509003
TRIM11	81559	2715	8.205558864	15.26588558	9.105089164	12.30230659
TEX264	51368	1434	15.53562923	19.42404853	16.20733874	16.9396538
THAP6	152815	3578	6.226409256	4.54633482	5.491750365	5.6010222
ST6GAL1	6480	4604	4.838855846	2.032791651	8.076915291	3.517443318
RABGGTA	5875	2218	10.04422557	12.25680232	8.668581282	19.98734039
KLHL2	11275	3137	7.101718941	6.108897318	7.274068928	8.711474816
MOSC1	64757	2258	9.866294206	1.38160212	11.13502507	0.358598517
RAB12	201475	2138	10.42006189	12.29852984	8.597649316	14.01284926
TPCN2	219931	5026	4.432569104	5.497662735	4.245873637	4.873436613
TRPV2	51393	2829	7.874900077	10.00344679	5.974825348	18.96205326
TRIM35	23087	4227	5.270426382	6.694996679	5.348348584	6.46508079
TMEM138	51524	1868	11.92617362	20.87565301	13.9122193	8.994430206
COQ10B	80219	1989	11.20064973	15.23642289	13.38455502	37.14757917
PRDM15	63977	6654	3.34807519	2.91350219	3.270563634	1.703639364
RECQL5	9400	3733	5.967879003	5.790187629	6.169311275	6.615676743
DCAKD	79877	2133	10.44448772	8.462000686	10.20268655	3.511424252
NAT6	24142	1497	14.88182519	16.22495834	19.05373599	5.949812939
SNAP47	116841	2388	9.329184387	6.53194637	7.874515813	3.560306635
PLAUR	5329	1570	14.18986772	11.35453171	12.38101786	81.61622309
SNAPIN	23557	1047	21.27802514	20.64447987	22.19801695	22.23430682
KLHDC4	54758	1944	11.45992403	8.138436531	9.781701915	3.956942794
PDLIM5	10611	6101	3.651547667	11.94333518	4.121109097	22.59532137
LRSAM1	90678	3383	6.585306626	6.059889742	4.933933239	5.98370863
PPP1R16A	84988	2326	9.577855682	6.801857531	7.176051654	3.046006106



LMO7	4008	7253	3.071569325	1.474695832	2.796544477	1.172206293
SIRT5	23408	3927	5.621009969	9.703180313	4.896081814	12.06222407
ADM	133	1449	15.23375166	6.305134627	21.58050013	50.9913975
MFSD2A	84879	2236	9.871961605	12.85573181	9.354736751	10.32061287
ANKRD32	84250	3813	5.789065342	5.785585048	6.760225777	4.353308881
DLEU1	10301	874	25.25595669	12.74786526	18.8560771	4.400627456
SLC25A17	10478	2279	9.685698178	5.377708495	7.973009863	2.931177041
SIVA1	10572	790	27.94140019	18.33433482	30.75664248	10.50580175
LOC72985	729852	2286	9.656039435	11.69725379	10.07438276	8.589501184
NDUFS7	374291	799	27.62666602	29.84117305	26.17921323	25.8419825
TXNDC16	57544	4651	4.746012932	3.497481399	4.270214485	1.697425426
DAB2IP	153090	5472	4.033937527	0.162889389	3.011734537	0.369935788
SLC12A4	6560	4773	4.624702734	5.929132823	4.736532467	6.022396509
UBE2W	55284	4057	5.440893801	9.886586949	5.259985432	18.51148833
AACS	65985	3341	6.606915938	5.269015892	8.727116752	5.331858707
STUB1	10273	1646	13.41051406	9.88261603	13.2213429	4.550345036
DDB2	1643	1870	11.80412094	10.1287584	10.28177181	6.278542273
LRIG2	9860	4015	5.497809751	3.774003129	4.262531923	3.680524781
CCPG1	9236	7089	3.113796889	1.477378499	2.265149085	5.111407317
ZNF273	10793	4414	5.000839635	7.269575578	4.882429918	7.06253849
ACAD8	27034	2216	9.961058731	7.240051129	12.10882883	5.298228363
DMAP1	55929	1784	12.37315367	16.7374326	14.0935463	13.04894576
ASL	435	2061	10.71019221	15.6772146	13.12200362	11.5898136
SNHG8	1E+08	653	33.80353162	34.46569856	34.94449346	11.46993557
TMEM19	55266	4659	4.737863522	4.352387704	4.761729973	3.171776561
NPC1	4864	4827	4.530623572	7.663191561	6.828345302	16.06178879
SFI1	9814	4302	5.083523938	4.71356911	4.616635883	3.999640481
TYW5	129450	5384	4.061909357	3.766302807	3.06096051	3.383840577
FRMD8	83786	3774	5.794732374	7.557653325	6.326226294	9.762070233
VPS16	64601	2769	7.897912597	9.174043359	9.843168731	8.260910623
C3orf19	51244	2975	7.351031926	9.587423075	9.800772124	11.15910371
GPKOW	27238	2975	7.351031926	7.190567306	8.167310103	9.458020824
MTMR10	54893	4969	4.401151133	5.605571663	5.995401761	10.59197109
OSBPL7	114881	3674	5.952455085	6.368381028	6.038350556	5.619962989
CDC26	246184	885	24.71109602	20.89843258	20.53162653	28.13418095
ABHD12	26090	2140	10.2193084	13.01592785	11.84774363	18.8239924
POLE4	56655	710	30.80185913	19.45862881	28.56808041	11.40444298
CDKN3	1033	906	24.13832227	15.98689239	14.45878058	5.809216818
RING1	6015	1744	12.5397477	14.05481383	12.35725095	16.366095
ZNF33B	7582	5958	3.670580729	5.236081884	2.907913802	2.310366345
DSTYK	25778	7926	2.759187482	2.333473736	2.612403055	2.273046783
C18orf55	29090	1562	14.00084506	8.559514139	15.55553621	3.369494518
MAPKBP1	23005	7265	3.010229867	3.588633739	2.762842716	3.510810287
COG7	91949	2943	7.430961597	6.663022853	6.174138456	3.645507896
TBCCD1	55171	3080	7.100428565	6.511344684	7.75168118	3.417630154
CCDC76	54482	3157	6.927247381	7.905372408	7.027209358	3.783117806
RRNAD1	51093	2283	9.579202795	9.565310164	9.995074125	8.778124149
KLHL24	54800	7331	2.955249463	2.066924371	2.853252131	4.114295537
SPR	6697	1466	14.77826317	8.512026157	11.52986419	4.142473321
FUNDC2	65991	2981	7.267673201	10.31563586	9.072274221	6.586917043
C9orf142	286257	851	25.4582066	39.01535843	21.35192653	16.1752793
PARP3	10039	2360	9.1800567	10.95279298	7.1621953	13.98131553
KATNA1	11104	2051	10.56310766	8.474378064	14.01010607	5.132277364
ZNF574	64763	3167	6.840837958	4.22164859	6.60473362	2.301054331
GAS8	2622	3267	6.631445918	3.137527854	4.721085883	1.48708072
INPP5F	22876	4955	4.372337803	7.55517478	4.519916187	9.355440891
ZNF271	10778	5151	4.205966572	3.633846926	4.265893066	2.593730335
ARMC5	79798	4707	4.602705293	3.645234061	3.950086892	2.40833149
ZDHHC9	51114	4639	4.670173273	4.707394504	4.691168446	3.185450958
PSMG3	84262	1395	15.5304185	14.53603893	19.0837849	6.675073617
ERV3-1	2086	3288	6.589091792	8.945837709	6.425935565	9.050195515
NSMCE1	197370	1079	20.0787153	28.0864181	19.18990418	12.5697255

RALGPS2	55103	5834	3.713564246	2.559100082	2.969720677	1.318528761
CDC37L1	55664	1724	12.56666694	10.0817572	13.84871116	7.98443311
TMEM63B	55362	3215	6.738704141	5.059653495	6.374687979	10.64089513
ALKBH1	8846	2585	8.381018883	6.723771532	8.990840909	6.186413994
DHRS7	51635	1404	15.28529035	18.41067766	17.45657573	19.17595354
HSPB11	51668	601	35.70806596	28.54927908	40.42886449	38.39748815
EMID1	129080	2062	10.40763707	2.269392037	8.094808995	2.061593658
NLRX1	79671	3761	5.706074886	8.057762596	4.662758626	4.036736166
PPARD	5467	3845	5.581416813	7.649912714	8.517331082	15.16242198
PCGF1	84759	939	22.85468333	16.13697823	19.57590441	15.52170195
RPL23AP5	644128	5811	3.693090285	2.147415306	3.199631561	1.428253895
PNKP	11284	1721	12.46981269	18.9038768	11.66301704	17.05530804
TMEM237	65062	5399	3.974911584	3.632020051	5.32223144	1.312281942
DUSP16	80824	6312	3.39996002	4.201059804	2.410092335	9.653214155
FAM160B2	64760	3759	5.709110839	6.99501378	4.21557784	5.654437513
SLC38A9	153129	2554	8.402720299	9.335590159	8.272700132	11.49263317
RNF103	7844	3516	6.103682493	5.640531553	4.146373303	10.01781062
CCDC138	165055	2196	9.77256268	7.914822136	10.4872673	2.673240904
SLC35E2	9906	6308	3.402115987	4.3450254	3.885388763	2.823991747
C9orf16	79095	723	29.68263851	34.21082712	24.54760713	23.51870607
ISY1	57461	3844	5.582868794	6.434554632	6.046130008	4.792150502
C11orf51	25906	882	24.33168667	24.00125289	23.95518836	12.85262622
RCHY1	25898	4475	4.795653105	4.630936242	4.910305069	5.111611511
FAM161A	84140	3871	5.543928609	3.223619309	6.331447253	2.091747486
ABTB2	25841	4919	4.362786673	0.362403228	5.111381704	7.654354241
ZNF76	7629	2671	8.034649062	9.42721579	7.673014546	6.669314841
WARS2	10352	2835	7.569858076	6.759651107	7.452725268	1.856490454
PARD3	56288	6013	3.569025053	1.741748908	3.619213441	1.885251343
OSTF1	26578	1313	16.3446669	31.22712414	24.78130484	41.4724784
POLB	5423	1259	17.04570901	9.203573953	16.27849234	17.20404157
G2E3	55632	5581	3.845287161	2.954599296	3.710071065	1.632198322
DZIP3	9666	5568	3.854265022	7.083582112	4.743282179	6.544036518
TFB1M	51106	2818	7.615524359	6.325981114	4.648564657	2.586032316
NAA16	79612	4359	4.923273146	6.594497897	4.944034333	3.529386002
GINS3	64785	2414	8.890036307	8.030838265	9.10257464	3.186535539
TNFSF10	8743	1953	10.98850366	5.590784205	19.04051101	229.2742677
FANCC	2176	4612	4.653197668	4.010215272	3.710768792	2.194588714
FRS2	10818	6882	3.118359146	2.719840965	2.885900548	3.353224408
ZNF189	7743	3280	6.542849892	6.861616207	5.604199463	7.03563731
C19orf70	125988	943	22.75773875	17.95894384	24.42209861	6.439942618
SSCA1	10534	661	32.15758166	24.27224403	33.88227641	15.92481221
ZFH3	463	16064	1.323217223	1.01262363	1.473100926	2.028825133
ZBTB48	3104	2412	8.812670596	13.30344387	10.16129035	7.889018706
TPRN	286262	2641	8.048527632	9.449928319	8.000180286	4.445616831
TTC38	55020	2616	8.125443989	8.006984849	8.076634609	10.83334893
CCDC97	90324	3344	6.356507619	11.32821663	6.634240414	12.65180393
LOC40002	400027	2202	9.65311602	13.76259997	7.963957853	4.780336455
KIF3C	3797	5431	3.913857757	4.636364091	2.373111847	9.579123141
TMEM39B	55116	1834	11.59005533	8.626565222	12.90288619	7.505541266
KCNK5	8645	3800	5.593726704	5.160335857	4.28129648	2.983162191
TMEM231	79583	3034	7.005985984	3.819149508	4.456896746	0.934081767
LOC28378	283788	3680	5.776130836	6.357997798	8.210250238	7.426058831
PDCL3	79031	1086	19.5728927	10.87489161	20.42808466	8.574334895
HRSP12	10247	1011	21.02488771	12.56326709	22.98845079	2.80316922
FUNDC1	139341	1170	18.16765938	14.47460174	14.62740656	14.0143059
ZNF672	79894	2952	7.200596706	14.11575611	10.2350003	15.08616187
MLH3	27030	7911	2.686912081	1.492874768	1.922955735	0.997942821
ZNF436	80818	4493	4.730950696	1.636652258	4.044177493	1.802171048
LRR42	115353	1714	12.40149444	7.540429239	11.46410899	5.787056175
LOC10012	1E+08	1944	10.93423944	10.08707626	13.04226922	11.35017802
MC1R	4157	3115	6.823807858	0.715353723	5.494082077	0.454896321
KIAA1530	57654	4665	4.556519073	7.499406539	4.43856519	5.944856211

LOC728190	728190	825	25.76504421	38.89443225	31.75673989	18.64799222
THAP1	55145	2189	9.710443799	7.838335644	8.976465421	6.935662276
OGDHL	55753	3774	5.578106865	2.479854997	4.926618707	2.574611929
DAK	26007	4248	4.955690986	7.2389149	4.426634595	3.383344932
RBX1	9978	906	23.23595509	19.67617525	21.22175859	19.66196461
WDR20	91833	3102	6.786516863	7.039846262	8.105379304	6.134207968
BET1	10282	3061	6.877417611	6.18777465	6.005153296	5.422792147
CLDN15	24146	2145	9.814347463	8.310776121	7.683082231	5.662345817
VPS28	51160	1160	18.14808216	22.66746276	14.02493675	15.70568764
ZNF43	7594	5225	4.029047906	4.648567012	3.922415665	3.060646923
CROCCP2	84809	1765	11.92735145	8.963807715	10.41460297	5.734528696
C15orf43	145645	1337	15.74553127	15.99995343	15.96092812	7.8730747
METTL21B	25895	2856	7.371069786	3.745087139	4.0688592	3.402165764
HOXA13	3209	2514	8.37381675	9.5727645	6.723460982	3.140304557
GHDC	84514	2743	7.674726689	13.32284371	8.241877312	10.47936513
UBL3	5412	4355	4.833932333	9.517079073	6.258492357	16.36164403
HACE1	57531	4576	4.600475373	4.18785203	3.832306642	2.034905528
RPUSD2	27079	1839	11.44740365	5.695016956	9.995527046	2.972038771
CENPW	387103	567	37.12835151	25.54519314	37.26362634	11.42455664
STEAP3	55240	4285	4.912899722	6.552372994	6.015575469	1.322755697
TP53I13	90313	1478	14.24342037	13.11667359	14.72417484	10.81994599
EXOSC6	118460	1729	12.17569422	12.37243362	14.29746505	7.961343367
ATP6V1D	51382	1823	11.54787455	16.99053383	12.98074233	25.65061291
RAB7L1	8934	3438	6.123262161	4.796282336	7.497597698	12.24700509
FKRP	79147	3474	6.000975573	7.184012864	5.777792841	8.973530482
LRCH3	84859	2277	9.155638621	12.4285248	10.76373839	13.33523471
PVRL1	5818	5493	3.795264726	45.75919687	4.154151507	7.591543013
ZBTB5	9925	4654	4.479456197	3.63886636	3.541085386	2.261775005
CDC25C	995	2115	9.856921579	5.689345142	6.493385101	2.967042436
HUS1	3364	3033	6.873520983	7.567348015	7.523492986	10.14480289
CD101	9398	3547	5.87747086	14.3236121	11.37732997	63.63354446
MTRF1	9617	2174	9.589415428	7.277424387	8.649652144	8.10087906
ZNF426	79088	2320	8.985943595	6.339205687	7.467823462	5.846005956
FAM200B	285550	4395	4.743433252	5.779960423	4.13435483	4.974361137
SS18L2	51188	822	25.36178728	30.09054502	24.16151772	14.28330177
METTL23	124512	1226	17.00439571	17.81207431	12.58057714	11.39281529
SAMD10	140700	2196	9.493346603	3.450050675	7.312223071	1.198349371
SLC36A1	206358	5821	3.581410263	7.081952702	4.428232415	7.024674509
RAB40C	57799	2735	7.622445755	5.377315244	7.416211002	4.36683836
DIS3L2	129563	3507	5.944507882	6.798716073	5.18120601	3.809610766
LOC61303	613037	3455	6.033976596	5.740118362	6.237639843	3.105276335
MRPL55	128308	882	23.63649562	12.3795936	14.85221679	5.278757197
LRP11	84918	3618	5.762130774	3.756991092	5.139043394	0.839257309
C11orf83	790955	1959	10.64185255	6.028653543	10.24607061	2.066655058
BICD1	636	3589	5.808690204	2.297244173	3.767685909	0.846038714
ARL13B	200894	3991	5.223600386	4.745872764	4.605806625	3.956264423
RPGRIP1L	23322	6199	3.363024543	1.761381118	2.283606874	0.751066922
HMGA2	8091	4150	5.023467263	1.771922553	7.942270548	1.707231374
SLC41A3	54946	2349	8.87500602	10.81435762	8.0052549	5.170596755
HKR1	284459	2952	7.062123693	5.585914184	7.873077151	4.525848562
BLOC1S2	282991	2024	10.30009345	15.5234232	14.19699978	61.10871308
HNRNPA1L	144983	2365	8.814963696	8.385669743	8.665802052	3.509337582
EIF2AK3	9451	4665	4.425081023	5.158827428	6.340807415	3.992166215
WDR27	253769	3599	5.735760759	3.529164499	3.933336763	1.124917271
CAPN10	11132	2662	7.754696834	7.533787238	6.270284052	7.528346143
LOC220594	220594	4859	4.248405633	5.411454373	4.5222505	3.291187523
RNASE3	6037	716	28.83100974	11.82631567	18.00051738	1.979053129
NTNG2	84628	3113	6.631224855	9.52031708	11.74181295	10.98955279
ACBD5	91452	3993	5.169797889	8.594098034	6.137999579	10.18988266
FAM179B	23116	6257	3.299185388	2.635387354	2.836490324	2.070552538
SETD4	54093	3001	6.878708088	4.752179881	6.266025912	2.900513531
PARP11	57097	4492	4.595503778	3.522066032	6.114652488	6.263938546

TMEM223	79064	954	21.6383679	20.32121968	16.38896472	6.365687514
GPR160	26996	2021	10.21425184	62.9576759	14.94988663	109.878507
TSEN54	283989	1970	10.47868171	6.221217087	9.867105607	2.877161504
HDHD1	8226	2224	9.281925797	6.713035017	6.270141299	5.461210332
CAMTA1	23261	8444	2.44469481	1.820873431	1.776553536	1.24660124
C1orf162	128346	946	21.82135621	36.03953569	21.88785054	34.45142382
LYRM4	57128	1626	12.69557378	10.41530384	13.51390848	2.489899913
RNPC3	55599	1901	10.85902313	11.1357733	11.11440091	9.796662489
TMEM38B	55151	2076	9.94364305	14.59790228	8.650869324	7.995745069
CSRP2BP	57325	3714	5.55815912	5.519818793	5.404429814	2.289179387
DUSP10	11221	2678	7.708365561	1.497755163	5.049374431	2.19209747
TLE4	7091	4749	4.346810481	13.32585438	6.851516793	34.8677216
FAM113A	64773	1999	10.32666482	10.14395914	12.15495125	9.822711209
WSB2	55884	2833	7.286623005	18.79880397	14.31933434	40.72871581
ILKAP	80895	1480	13.94797498	8.43150699	16.417397	5.744602868
FBXO31	79791	3636	5.677393557	3.493251658	4.300074901	2.393960701
ADPRHL2	54936	1701	12.13580422	12.05209112	12.42120878	12.37660303
C9orf40	55071	2335	8.753154948	5.630461841	8.867625959	2.600799096
RAPGEF2	9693	6824	2.995107973	2.416415397	2.445998849	3.648703128
BBS10	79738	3583	5.704330674	4.975332062	5.071306022	5.141229843
TSPO	706	876	23.33175434	66.39193004	20.50137525	25.41914946
JUN	3725	3338	6.123012823	4.272406178	9.557818743	22.80205287
FN3KRP	79672	1844	11.08384859	8.821467455	12.26001598	3.40308826
IL6ST	3572	9071	2.253182318	3.537416669	3.051295749	7.877564615
ZBTB41	360023	8474	2.411920794	2.129979639	1.421197946	3.033805239
HTATSF1P1	401233	4616	4.427776604	5.841151398	4.439909413	5.087033818
LOC642852	642852	7181	2.846207604	2.513500552	3.001120409	1.663181021
ZNF26	7574	3083	6.629457283	4.987173288	4.934318138	3.61128364
TMEM185	84548	2732	7.481192095	5.464783996	6.88299552	6.149925192
DUSP11	8446	1639	12.47017499	12.77990992	16.24275774	16.17948813
CALCOCO1	57658	3046	6.709985819	5.852467098	8.115665489	13.15854066
TSIX	9383	37027	0.551992244	0.698101154	0.524973615	0.617777879
LYPLA2	11313	1648	12.4020733	15.8200389	19.87204976	27.51460273
TAF12	6883	1466	13.94175771	18.54405698	19.31252253	17.2603055
MRPS12	6183	1116	18.31417276	21.3647825	18.3643565	7.799678411
MOAP1	64112	2435	8.393682466	5.124694187	7.375443415	4.904847193
UAP1L1	91373	3401	6.009590357	4.717422317	7.703413822	8.332855282
CECR1	51816	3947	5.178266229	6.661833494	4.175376586	21.48915469
CASP10	843	5906	3.460653032	7.244137398	3.505910365	19.1940676
METTL11A	28989	1007	20.29654102	9.736482749	21.401237	10.45312897
HERC6	55008	3903	5.236642789	3.53974544	3.572839931	56.99956966
C11orf68	83638	1571	13.00994068	11.06362152	13.04558998	16.36439567
CAPRIN2	65981	4544	4.497935036	2.05963309	2.324876335	1.381006768
MED26	9441	3184	6.419163569	5.738781454	6.436753094	3.94176806
POLR3GL	84265	1191	16.98927845	23.38714156	20.04632916	21.58561343
NTHL1	4913	1067	18.96366508	7.100572897	15.64338908	1.138306633
CCNE2	9134	2739	7.387451857	7.159283044	9.796701239	3.769212125
HCCS	3052	2365	8.555700058	7.537680668	10.80991802	8.388172757
FCN1	2219	1313	15.41068594	8.825056821	29.44791419	37.1556405
RAB3D	9545	4290	4.716603878	4.467042165	5.762311673	5.615159602
COX17	10063	423	47.83506061	59.52740751	72.9257096	67.47628765
EIF5A2	56648	5537	3.654367101	2.132947858	3.739553298	1.82796517
GBGT1	26301	1949	10.38185256	5.716590168	17.0198602	10.17856776
RABIF	5877	2452	8.252133212	8.088135784	9.13384368	6.109190807
NFE2	4778	1678	12.05854031	14.60762534	30.97500077	15.8034452
SLC9A8	23315	6255	3.234888991	5.521833115	3.310296821	7.572878326
EMILIN1	11117	3959	5.110944844	3.996241631	5.016612167	1.278282792
HINT3	135114	3396	5.958254015	5.971076063	5.039477524	8.941204194
SERPINF1	5176	1552	13.03751974	12.77842071	16.06417644	17.86904267
BOD1	91272	1934	10.46237365	7.950080273	11.25249763	5.54743006
TMUB2	79089	2443	8.28253403	10.21582509	10.20532208	14.00347026
CPEB4	80315	7769	2.604483284	5.736457324	3.970597909	16.64976746

COL2A1	1280	5087	3.977635274	1.182717218	3.07353496	0.676487256
CCDC51	79714	1506	13.43574411	10.65335545	13.8892373	4.973351879
GEMIN8	54960	3259	6.20872373	6.153710226	5.899635865	2.484551862
TCEANC2	127428	4097	4.938791954	4.677473978	5.002348512	4.990313683
EPHX1	2052	1847	10.95518713	2.774852057	10.1810199	4.383949387
CLTB	1212	1184	17.08972182	18.8203281	16.23894703	14.53247749
CTC1	80169	7089	2.854313815	3.583428701	2.950654729	4.340412917
HELQ	113510	3596	5.626871701	4.52357786	5.699283051	5.516693151
C9orf41	138199	2219	9.118625794	5.723958103	6.379485809	2.554307419
CLCN5	1184	10108	2.001803585	1.829749984	1.504996322	1.161542744
TECPR2	9895	8703	2.324971922	1.766684505	2.160673763	2.953977433
C11orf46	120534	1770	11.43176872	10.19742795	9.430223812	5.489596284
TNFAIP1	7126	3822	5.29414721	4.839119004	5.859807615	4.766770713
ACP2	53	2218	9.122736987	13.8642518	9.906950037	38.14935289
MLLT3	4300	3439	5.883754183	3.498972078	5.898033466	2.589959282
LMAN2L	81562	2458	8.14883827	3.807556045	7.306429909	3.376559553
LOC65227	652276	2714	7.380193245	7.225230751	6.072296016	7.384103697
MEGF9	1955	6227	3.216612248	7.479047874	2.850155766	15.70148399
HAUS8	93323	1468	13.64430822	10.9291235	11.22630203	10.06628542
RP9	6100	1184	16.91709837	8.657350927	15.34669719	4.274258086
SLC2A13	114134	7018	2.854067322	2.444872717	3.974008051	2.336383286
ARL16	339231	1207	16.59473444	16.2462935	16.62970367	10.565881
WWP1	11059	4120	4.861612735	4.272762644	4.871857361	3.390192122
DDAH2	23564	1351	14.82593965	5.442989339	10.79100558	7.491815801
ABCD4	5826	3157	6.344581713	7.693621361	8.365725426	5.899098952
DNAAF2	55172	2976	6.730458491	3.668952135	6.815637463	1.428429476
CTU2	348180	1740	11.51140487	8.964533294	9.835669925	2.675783821
GET4	51608	2106	9.510847326	10.8982747	15.75104821	9.227526516
SEPT7P2	641977	2265	8.843198441	6.296376081	6.716336785	3.932392923
FAM207A	85395	964	20.77784696	23.34657797	26.73935777	17.21905266
CHFR	55743	3291	6.086248699	13.00026602	6.612680164	11.80988808
SVIL	6840	8306	2.386883975	5.392411466	2.798136738	2.583368586
MINPP1	9562	2906	6.822249931	4.677492694	8.724766471	6.826575557
GTPBP3	84705	2708	7.321070273	4.11434056	6.943996958	1.943556291
NDNL2	56160	1748	11.34179537	12.3654293	10.27414457	11.81221054
SPATA2	9825	4156	4.770322016	4.825539371	4.270433098	3.263410447
AGPAT4	56895	7889	2.513050868	1.864235923	2.276486844	2.976517696
R3HCC1	203069	1644	12.0592812	14.77418652	12.72335242	8.988629559
C2orf3	6936	4455	4.45015899	2.901076479	4.505511185	1.045087283
MED18	54797	1869	10.60752183	14.66475132	10.40031998	13.43027234
ENGASE	64772	4490	4.415469555	3.424377561	3.952766137	2.209134585
TMEM147	10430	869	22.81410621	27.1809719	23.58414482	13.27784256
NUDT22	84304	1149	17.2545329	30.44798216	18.38857801	26.9552794
WDR81	124997	6869	2.88622191	5.969022273	3.106676503	11.58167756
UBXN2A	165324	1909	10.38525841	4.669097637	11.62121527	8.165019616
STAG3L4	64940	2135	9.285928946	8.349702473	7.52114373	5.878496254
C6orf136	221545	1984	9.992670514	7.525095704	10.86242221	6.121840614
TMEM168	64418	3951	5.01783303	5.188713489	4.278101976	2.459272443
ZBTB6	10773	4128	4.802678852	4.912251529	4.964782425	7.257623963
ZBTB17	7709	2767	7.164965052	5.556723978	8.781260411	6.730558508
LUC7L	55692	2082	9.522314265	9.953621365	11.67038788	6.028140972
FAM13A	10144	5858	3.384339075	2.89096689	2.596876548	6.116406409
TTPAL	79183	6215	3.189936975	4.123211383	3.433589847	5.081078459
CCNE1	898	1958	10.12536175	6.031732529	11.54620504	2.377867134
TMLHE	55217	3961	5.005164933	7.369624262	5.547491841	6.592608766
NUDT1	4521	816	24.04543153	15.29243915	20.45526489	7.690312196
C17orf58	284018	1625	12.07450593	10.01032984	11.83194664	3.612576631
ELK3	2004	2180	9.000491804	30.05174739	6.978212302	23.21431915
ZNF839	55778	3337	5.8798538	5.876318926	5.318525608	4.367659015
EIF2C3	192669	3667	5.350715062	9.115053916	5.588934238	11.8134106
FBXL17	64839	5212	3.764595574	5.557990985	3.283588962	4.660679884
ADD2	119	4119	4.763552351	2.867232894	3.539365995	0.982902952

RETSAT	54884	3328	5.895754847	4.686985556	5.142447617	5.717642163
ZNF862	643641	6913	2.838286147	4.383805168	2.659015513	3.455316914
GBA	2629	2583	7.596233888	14.92452747	10.06117911	25.47014342
PCYT1A	5130	1677	11.70010264	14.61633591	15.49673563	20.52051682
MRPL33	9553	528	37.16112146	28.27611719	38.41541116	23.77005588
MAML2	84441	5428	3.614788528	1.149468529	4.787771858	10.92698173
PRICKLE3	4007	1990	9.859835242	15.45271884	7.644473778	13.9360574
WDR67	93594	3520	5.574168219	2.658799079	5.522215354	1.380196793
NOL12	79159	2840	6.908828216	7.767759081	6.54685176	4.347943887
RFNG	5986	1828	10.73362808	8.776779705	8.784267978	7.419438631
RNF139	11236	3312	5.924236755	8.342769598	6.443164522	8.373416131
SCAND1	51282	1388	14.13621912	19.10453133	14.4611328	22.45968652
TTC23	64927	3808	5.152592472	3.745087139	2.885191069	2.179512443
TBX1	6899	2082	9.424146077	6.956832137	8.422975597	6.319825212
GGCX	2677	3247	6.042830962	5.764689103	4.489882517	6.171991818
EHHADH	1962	3993	4.913867301	4.185437354	5.02681	3.49801942
PQLC1	80148	2565	7.649540792	7.210570305	8.731456025	7.891963468
ASPSCR1	79058	1858	10.56031869	7.43575159	8.187568793	4.902744259
HGSNAT	138050	5228	3.753074241	6.64917728	4.445547772	3.252491295
RTTN	25914	7109	2.760032653	2.632992758	2.318217947	1.423750619
MAP3K6	9064	4333	4.528288053	1.234245196	3.998465366	0.794205094
TTC8	123016	2248	8.728234934	9.218611958	5.075345691	3.42184021
INTS9	55756	2764	7.098795996	8.948780031	9.249441434	5.053397809
FBXL15	79176	2383	8.233769254	8.322328553	6.738414546	6.371030097
FAM203A	51236	2441	8.03812869	9.311320706	9.694343823	2.07321654
ACOX3	8310	2890	6.789298316	4.394969907	6.214257687	3.362140284
ARL5B	221079	3589	5.467002544	5.836241952	6.299099879	10.09606199
RBFA	79863	5679	3.455022386	2.785899034	3.534434289	0.677258038
C11orf49	79096	2008	9.669664325	7.213209416	7.891612103	4.334881029
FERMT1	55612	5167	3.757825811	2.113180095	2.535253572	0.274240767
ECI1	1632	1069	18.16341063	17.30132164	13.44000353	9.468141392
MUL1	79594	2474	7.848296671	7.746002784	7.856991934	8.345894916
RAD52	5893	2673	7.264005224	7.252691198	7.588229364	5.679822193
ABCC4	10257	5843	3.323067938	1.983107925	3.869154452	1.108629747
WIBG	84305	1244	15.60826846	26.6897669	23.43834169	27.98855661
PRF1	5551	2555	7.5994857	7.674863506	8.352156907	34.93977635
ITGAL	3683	5226	3.715401065	7.035475121	5.336698909	25.64253871
WDR47	22911	4394	4.418908959	3.347054436	4.519974412	4.100174967
LMBRD1	55788	2308	8.412775548	17.66827613	9.886808591	24.11955689
DNMBP	23268	6419	3.024877078	2.325874728	3.423214703	4.320416611
RMI2	116028	1462	13.28090695	15.54646638	13.2956211	7.615312902
MXD3	83463	2662	7.294021775	5.357359813	5.159094474	1.74900971
BLCAP	10904	2216	8.762042403	10.96063296	9.915891327	13.15422214
C14orf167	55449	3038	6.391272536	4.327560369	5.146501758	1.865703806
RINL	126432	3062	6.34117765	12.2259605	7.038225231	13.35422283
WDR92	116143	2244	8.652712105	5.262982305	8.756454014	2.616059281
AVEN	57099	1551	12.51881751	9.19490124	13.21381164	4.437512147
MAST3	23031	5893	3.294872894	4.159442614	4.55339635	6.835795644
DBNDD1	79007	2150	9.031016728	2.072862184	8.25484649	1.318141433
ALKBH3	221120	1585	12.25027506	12.37178313	12.26384735	9.45093745
DUS2L	54920	1999	9.713199582	11.14720784	7.927142122	10.1265064
LRRC14	9684	5369	3.616443651	2.490214395	2.361163286	1.206504678
C8orf40	114926	1487	13.05762338	11.68860081	10.9407711	6.398222299
FMNL2	114793	5575	3.482813626	1.239069637	2.690801445	4.974485063
PIGC	5279	1537	12.49986974	15.07781341	11.82204911	12.2484608
OSBPL11	114885	4651	4.130789034	2.395535205	4.406497926	10.22807628
LOC81691	81691	2903	6.61808467	7.98298285	5.458614227	2.231389464
SELO	83642	2327	8.256252598	7.852290567	7.990141384	4.001601932
METTLL22	79091	1570	12.23713363	9.083625365	7.940000586	6.446779075
TXNL4B	54957	2563	7.496020209	6.346775648	7.584158426	4.975816764
LSMD1	84316	1023	18.78035171	13.5050112	17.34889536	7.519351703
UCK1	83549	2191	8.768735644	10.06866079	10.89693201	10.44019238

ZNF544	27300	3512	5.470472607	3.235896048	3.188522879	2.881959894
ORAI3	93129	2205	8.713061132	21.22216045	9.486254592	24.97081665
STARD8	9754	4962	3.871886295	1.975944806	3.321284036	2.406953429
C2orf49	79074	902	21.29966718	14.82257326	22.48706995	16.60724596
ALG2	85365	2993	6.41907778	7.445128124	6.423960335	5.816532648
SNRNP25	79622	1103	17.41822284	28.08136281	21.64567365	9.543337147
ZNF526	116115	3954	4.858952907	3.381376096	4.809213081	3.481325918
SNX11	29916	2402	7.998459532	10.29743048	10.02766977	20.81595718
RASA4	10156	5606	3.427095932	3.458159753	4.71113007	4.008134818
C14orf101	54916	4278	4.490953669	6.51100645	4.988256404	6.198733298
HCFC2	29915	5743	3.34534212	2.987657448	3.274306767	2.643594763
PLAGL1	5325	3425	5.609430597	6.506063788	7.40267777	11.99797348
TBC1D22A	25771	3793	5.065198997	5.228607683	4.957644018	4.376263317
BMS1P4	729096	1960	9.802193774	7.503549588	10.24084303	6.300081959
HERC2P9	440248	2962	6.486259215	7.974430987	9.415796252	5.672382048
TBPL1	9519	1340	14.33753716	12.30568558	14.50611794	17.67475893
LGALS3	3958	1973	9.737607601	2.371761976	24.09481566	4.514379103
METTL2A	339175	2519	7.62695506	4.865342462	8.639273688	3.535875335
ZNF260	339324	5474	3.509736901	3.175182574	3.12642778	2.736524636
ZNF791	163049	2495	7.70032056	7.055624086	6.605295145	9.654923724
ANTXR1	84168	5909	3.251362294	0.905057444	1.28723158	1.061989296
SAC3D1	29901	1584	12.12897714	7.877923198	11.07110808	2.555919987
C12orf57	113246	574	33.1148321	10.86988706	19.87696361	12.69588688
SLC10A3	8273	2161	8.795887843	8.352358845	8.310599128	6.838180007
PDP1	54704	4373	4.346653014	1.324868466	3.430418033	2.684855717
MRPL53	116540	673	28.24355665	33.44145789	27.94107543	30.98094039
KIAA0753	9851	4701	4.043376649	4.692711293	3.775349916	4.047716043
POLR2I	5438	885	21.47786851	13.84835894	19.57666715	5.718329462
TATDN1	83940	1158	16.41443318	9.044159053	16.42109544	4.719843955
ZYG11A	440590	4286	4.434884188	3.743339548	4.880352631	1.511368086
DNAH14	127602	13788	1.378583814	1.987845969	1.164609941	1.05706978
C6orf130	221443	1202	15.81357207	14.83079433	13.35910305	11.7887025
MVD	4597	1812	10.49001856	25.94795612	7.462596428	11.28328651
ALKBH2	121642	1206	15.76112241	7.206032094	16.29310349	3.189177775
SNX29	92017	7011	2.711155845	1.557381479	1.988987912	1.819001336
ZNF593	51042	653	29.10859667	19.10969425	25.88480997	11.15993731
USP31	57478	10698	1.776772633	1.124786406	1.6589942	0.397364566
HAL	3034	3139	6.05540415	1.135814895	5.182837408	4.51418299
NDUFA2	4695	846	22.46798301	31.60747301	26.97252273	24.88487204
SH3BP5	9467	2810	6.691646783	3.885694503	11.27854598	6.699602938
STK36	27148	4935	3.810238594	5.237809814	3.596336364	3.855787866
NEDD4	4734	7019	2.678946782	3.714407197	1.113767797	2.076489262
TFPT	29844	1223	15.37492025	14.21173296	14.16627182	18.53804796
C6orf72	116254	1138	16.5233106	13.31513406	12.99642645	8.360418769
PION	54103	3265	5.759120202	2.183965057	2.717905047	2.665985025
TOMM40L	84134	2713	6.930898437	9.034867424	6.152412882	7.312211047
GTF2H4	2968	1736	10.83152503	9.370268425	11.80565775	3.731407612
ABCC10	89845	5118	3.673999113	6.182540296	3.632875928	5.735088927
LNX2	222484	4804	3.914139771	4.499327731	4.705967832	3.876655993
LOC100128	1E+08	1753	10.72648458	4.703256894	10.24484011	1.732135165
ZFP90	146198	4384	4.289125789	2.338116674	3.662783272	2.124025478
TBC1D17	79735	2390	7.867584711	7.9250118	7.337504265	11.85775766
APOO	79135	1134	16.58159388	14.73761142	21.61290328	4.99824353
TACO1	51204	1479	12.71367644	11.29983188	13.28565437	10.26515532
MPG	4350	1305	14.4088333	15.88003041	19.10467574	13.80549334
POLG2	11232	1607	11.70101273	7.071852472	10.51822085	3.14917335
SLC35A3	23443	2149	8.749896445	7.984233004	7.865416896	6.311183722
GAB3	139716	4756	3.953643284	6.981091259	6.086209484	11.91759496
ECE2	9718	3498	5.3170787	4.586607576	5.436143088	0.810178411
GTF2IRD1	9569	3522	5.280846477	2.910364423	4.559239598	1.954168467
COQ4	51117	1597	11.64630012	11.16256404	12.83320091	3.42240407
SPPL2B	56928	3832	4.853638124	5.233544266	3.528764282	3.063902414

DUSP4	1846	6440	2.888065418	3.287128113	4.789996143	2.891840899
AFG3L1P	172	3186	5.837771906	7.203944296	8.355894517	4.765274552
SIPA1L1	26037	6028	3.085458078	2.735504093	2.698892937	6.145401778
PLXNC1	10154	7346	2.531873304	7.795807239	3.048759148	27.80434559
AP1S2	8905	2283	8.146798639	23.52285459	10.92054395	43.7132849
KTI12	112970	1712	10.8639844	8.980990214	8.515565732	4.611405172
DTWD2	285605	4974	3.739272475	1.747180278	4.205305865	2.767423136
LOC100131	1E+08	2712	6.858090447	5.669415652	5.765144668	5.598143334
UFSP2	55325	2379	7.818050144	6.743990459	6.749744373	4.084315015
AKT3	10000	7091	2.622922196	2.702525862	1.460013158	3.197296947
MXRA7	439921	2507	7.418883643	2.310989152	7.079345813	1.93789099
CCDC130	81576	1679	11.07751119	14.59892515	9.563812903	11.57425303
KIAA0247	9766	5393	3.448756034	10.61895049	5.288975113	27.51350947
COMMD8	54951	1438	12.93403428	18.2852968	15.57453735	15.06250927
LOC100131	1E+08	2332	7.97561805	9.459878126	8.426021787	10.93740855
AZI1	22994	3630	5.123730383	4.358435432	4.074361789	2.844041876
E2F5	1875	1743	10.67076379	1.789820761	9.212645934	3.368007473
ISCA2	122961	1061	17.52982214	13.86141111	14.13875406	13.73692567
GPN2	54707	1510	12.31731211	15.3474167	15.53152882	14.34429691
ZNF786	136051	3268	5.628750038	5.386714227	5.883388398	3.282965036
SMYD3	64754	1641	11.20947905	6.246376294	10.04278573	3.82406749
SEMA4B	10509	3814	4.822956246	10.63333734	5.927495927	34.60503897
ITFG2	55846	2379	7.732137505	10.02231915	8.170743188	4.850124081
ZNF785	146540	3265	5.633921937	6.893139712	4.33570567	4.587974229
ATP7B	540	6644	2.768626599	0.335389351	1.685444364	0.213275443
CASP7	840	2712	6.782726816	17.91206684	9.193068525	52.62254734
BMF	90427	4700	3.913777686	0.9956354	10.78900909	6.718915451
C16orf59	80178	1650	11.14833644	6.077255038	7.811133602	2.699051506
AKR7A2	8574	1377	13.35857307	14.56422776	10.28037691	6.468315156
ZNF343	79175	3632	5.064635221	2.822220126	4.944714955	2.117923126
TYROBP	7305	608	30.25453145	114.3483514	61.16137829	460.4590748
C1orf106	55765	4175	4.405929371	16.91927211	3.137641965	6.351660131
PIDD	55367	3022	6.086947427	6.341366938	6.432229664	1.808596724
BCL10	8915	3118	5.899536602	9.933849641	8.538126983	13.69868187
DTNBP1	84062	2102	8.751072847	10.17694469	9.046445539	13.38611415
PPP1R3B	79660	5722	3.214742245	6.581391772	2.953998761	16.73345896
SPRY4	81848	4992	3.68484678	0.892759154	3.470623083	1.581475492
AGK	55750	2925	6.288805171	4.570926866	3.972875855	2.491432159
HOMEZ	57594	3741	4.862434899	6.909540612	5.139511704	9.252963263
HEMK1	51409	5862	3.103099447	3.079059615	2.919492608	1.208633607
FAM72B	653820	2374	7.662328962	2.534322868	5.07297026	1.108498407
PLEKHM1	9842	5313	3.423747215	6.375036341	3.61884308	10.97299314
CCDC136	64753	4221	4.309492764	1.742117649	5.75639601	4.124350205
C2orf47	79568	1525	11.92811079	9.790026149	10.39105384	11.54840071
TMEM203	94107	1576	11.54211228	12.72521677	12.33388201	7.96357202
NBPF15	284565	4802	3.788081832	4.454797529	3.607944696	2.740082485
C11orf75	56935	979	18.58056073	27.31350579	21.58169166	30.60211616
SLC25A24	29957	3495	5.204683535	4.781817269	11.90932704	6.544910304
TRAPPC2	6399	2869	6.34031682	8.077587735	8.027200763	6.773499771
PGAP2	27315	2229	8.160775664	7.697674619	9.478903605	4.994879974
RNF185	91445	3385	5.373816531	6.517115447	6.179377068	10.34569964
ATP8B3	148229	5104	3.563943761	2.532189599	3.891216216	0.515590756
IL13RA1	3597	4006	4.540781067	5.618098143	7.753085352	14.75517423
UBE2D4	51619	3998	4.549867173	5.462131842	5.971780399	4.101235092
SCML2	10389	4212	4.318701082	3.70329723	5.618208279	2.114641493
TMEM188	255919	2129	8.544090632	4.39594775	6.252202896	10.0786564
SNHG4	724102	1100	16.53669905	7.090130878	11.52462335	2.944419825
C16orf61	56942	740	24.58157967	18.97089073	21.69951603	14.22473091
C4orf10	317648	3860	4.712530818	3.752363862	3.448430043	2.674578241
FAM108B1	51104	3153	5.704403041	4.381740074	6.433027939	5.264562881
ZNF41	7592	4375	4.11108178	4.634919843	4.925953293	4.071711986
PEX11B	8799	1836	9.796286921	9.709485174	10.81741153	9.702472734



CRELD2	79174	1575	11.41967161	6.932572414	10.06117911	5.526629274
GEMIN6	79833	705	25.51203232	12.01083974	21.57801818	9.475393585
NAPEPLD	222236	5363	3.353716723	2.451450382	2.994152874	1.207854487
TXNRD2	10587	1964	9.157832377	8.963229172	6.669885542	5.359623663
CD84	8832	8296	2.168030712	6.84936531	6.188789418	16.17771651
PLEKHA5	54477	6591	2.728870094	1.758048795	3.077429387	1.289942686
RCE1	9986	1489	12.07923626	9.7274174	20.85887167	11.2838117
MIPEP	4285	2446	7.353222726	4.828345172	8.033312676	2.317255995
AXIN1	8312	3675	4.894144976	6.972995577	6.956586701	4.076118601
SIL1	64374	1996	9.011013421	14.51315081	8.997597553	21.50046039
C17orf79	55352	957	18.79413039	10.94371597	21.63626605	6.134207968
CENPP	401541	3428	5.246786111	5.330303427	4.560989598	2.7754249
NAAA	27163	1880	9.567012121	1.303808262	8.653684375	2.261173469
ZNF589	51385	3399	5.291551276	3.999056714	4.475581882	3.335103361
OGG1	4968	2258	7.965448533	6.41458127	9.170020644	9.144262188
ZNF557	79230	6002	2.99666491	3.452755695	3.977870382	5.328850441
NBPF10	1E+08	10697	1.681404393	3.062204792	1.22461019	2.08162802
TMEM199	147007	1466	12.26874679	12.0080369	14.41233024	15.74139862
FBXL4	26235	2777	6.476767298	5.215745232	5.401951047	2.259738837
C16orf54	283897	2686	6.696196124	27.791865	10.77662409	25.39781341
FAM40B	57464	5115	3.516321171	1.786146642	3.139323922	1.068539453
MIS12	79003	2509	7.168586205	7.460321052	8.673706824	5.809038714
DEXI	28955	1580	11.38353341	7.051667239	8.825819145	3.459227405
RUSC1	23623	3503	5.134451267	5.025344589	5.729960699	3.004938873
TMEM184	25829	3730	4.8219793	4.898734624	8.326772097	9.280250822
C6orf203	51250	1525	11.79408707	8.182708423	10.39105384	5.442349758
SGSM3	27352	3004	5.919306465	4.524898059	6.470771653	4.784437174
ZNF75A	7627	2141	8.305276329	7.909987875	8.684287249	6.618412147
DHODH	1723	2080	8.548844529	5.892210414	9.040549885	1.5571451
PCBP3	54039	2000	8.89079831	1.89407782	6.866754744	1.012144315
UNC119	9094	1665	10.67963761	21.41335109	13.70495749	29.0573563
ILVBL	10994	2328	7.638142878	6.221702967	6.443822189	3.739021094
SGMS1	259230	3767	4.720360133	1.952078205	5.160126903	3.063032967
GBP2	2634	2595	6.852253033	14.25442222	6.513595726	127.1518484
PMF1	11243	1128	15.76382679	9.67978861	15.92128078	6.81941205
PRPF18	8559	1711	10.39251702	9.507180588	9.755403944	8.518339061
TRAIP	10293	2042	8.707931743	6.874857561	6.208171245	3.965305837
SNTB2	6645	9771	1.819833857	0.661359928	2.205613106	0.82869251
NSUN6	221078	2426	7.32959465	5.143705831	6.357703042	3.50453926
SLC35B3	51000	2237	7.948858569	8.765881206	8.59495453	6.967824071
KCTD18	130535	2959	6.009326333	5.346779526	4.284246597	6.225422957
ATHL1	80162	3270	5.437797131	5.587853257	4.716754611	6.747628765
YIPF4	84272	1982	8.97154219	9.89368126	11.29979047	14.09444152
GALNS	2588	2380	7.471259084	15.72936598	7.900984774	19.56245314
DHX35	60625	3356	5.298449529	6.042245027	5.666158678	3.739746574
TSPAN31	6302	1749	10.16672191	17.70940147	10.99308936	25.92570915
PARP16	54956	2551	6.970441638	3.319342227	6.708767413	1.348996735
TMEM205	374882	1311	13.56338415	13.93766602	11.92606586	7.257175102
PUSL1	126789	1262	14.09001317	10.2411218	10.0452343	4.330886925
SLC1A3	6507	4188	4.245844465	0.478866801	0.605400462	1.353392589
ZNF213	7760	3301	5.38673027	6.210423204	6.208610073	7.604113604
TM2D2	83877	3641	4.827577713	4.651272738	5.222638979	5.559705107
KIAA0355	9710	6683	2.63013773	1.600474168	2.750527344	2.574660085
MRPL40	64976	787	22.33444784	14.44023751	24.16217093	35.23856954
CINP	51550	1065	16.50442296	15.90167516	16.86310302	9.693776536
CTNNBIP1	56998	2995	5.86885157	4.389692287	5.714212244	2.568379563
EMP1	2012	2804	6.26861999	0.079469574	10.39846543	0.14438578
ANKRD54	129138	2149	8.179251025	6.428862938	5.604109538	2.731706387
C19orf24	55009	912	19.27325707	16.37038364	22.47217308	12.20788099
YOD1	55432	6265	2.805620184	2.916565068	2.866592931	3.23110715
DGKA	1606	2801	6.275333971	5.250609494	5.58196085	9.322857309
OTUD7B	56957	6413	2.740871737	2.397544869	3.59114907	4.166631828

MBD5	55777	6032	2.913993775	3.066165921	2.872239793	11.77926573
SHPK	23729	3838	4.579783859	4.644766748	4.238907406	3.639289094
LINC00174	285908	4426	3.971353469	2.56766085	3.389339823	3.338749886
DLG4	1742	4323	4.065975122	2.78347559	3.861090943	5.946903908
LRRC20	55222	3176	5.534386162	4.841138302	7.251271722	1.274740951
ZC3H8	84524	1609	10.9243073	11.77177017	12.86880461	6.164707449
KIAA1467	57613	4725	3.72004454	2.971102463	4.069187997	4.11284039
CRELD1	78987	2712	6.48127229	4.436933988	7.167477155	5.822069067
RN5-8S1	1E+08	156	112.674426	59.99341512	136.7933391	46.71435299
ANAPC10	10393	885	19.86125475	14.35193563	23.39650465	14.18145707
ZNF580	51157	1433	12.26602265	11.0405587	9.87863155	9.888360368
SLA	6503	3506	5.013465617	99.72175766	5.001892525	219.1150984
FAM177A1	283635	3276	5.365448856	4.557322917	6.191494838	3.707488333
FAM114A2	10827	2886	6.090509512	6.949044223	4.465824824	4.559208625
NOD1	10392	4506	3.90084564	5.192505969	3.376054775	6.109703809
C3orf37	56941	1809	9.716534246	9.238502684	15.06674086	6.042652626
DSCC1	79075	2291	7.672287408	5.933126918	9.591276814	1.678807681
LOC10013	1E+08	3827	4.592947596	3.377135018	4.803181144	2.750535896
TRIO	7204	10244	1.715854203	1.805458106	1.91814553	3.912623474
GALNT3	2591	3280	5.358905626	5.43494353	5.475367291	7.776230711
METTL19	152992	2863	6.139437811	3.969426099	6.420459042	3.252437197
SPRYD3	84926	2949	5.960396898	8.840767757	5.51676047	8.031257025
TOM1	10043	2425	7.248334207	4.870157646	7.318729878	12.85527625
SERPINB1	1992	1310	13.4177179	125.5347491	18.87047105	385.6965206
RNMTL1	55178	1815	9.684413472	6.138641453	7.799492568	4.015117943
JHDM1D	80853	9178	1.915146051	0.655533067	2.647390233	2.117364441
BBS1	582	3370	5.215789452	4.09959242	4.890270441	2.282580651
LONRF3	79836	2625	6.696080172	3.395545672	5.392792004	9.639469665
BCL2L1	598	2575	6.746727877	10.47097276	6.482134426	16.35153534
IPPK	64768	4401	3.947472003	4.101215057	3.312576354	3.587696276
HDAC10	83933	2720	6.387067751	9.994701301	5.282119034	7.367815233
CLP1	10978	1864	9.320184702	8.129089358	9.861466866	8.253537331
MTHFSD	64779	3108	5.589711803	5.162147137	5.506456136	4.428945522
ZNF286A	57335	5559	3.125170765	1.52323116	2.432492306	0.691877747
LRRC57	255252	2427	7.158147624	9.365032486	9.140873483	9.007959291
NAGPA	51172	2209	7.86456509	6.25424466	6.982248791	3.573891197
RPS6KC1	26750	4206	4.13048604	3.231762665	3.265218614	9.721975824
TCF7L2	6934	4092	4.245558232	6.698049908	3.665986817	23.20115756
PHF13	148479	3670	4.733739587	4.068062637	4.951087051	4.633249179
CLN5	1203	2816	6.169326805	7.913092498	8.103250791	9.848279199
GPR137	56834	1946	8.927453383	11.22178988	7.600171272	10.81839761
ST3GAL3	6487	2549	6.815545031	7.343250498	7.874481102	7.623841053
DNASE1	1773	3108	5.589711803	6.811166361	4.010875457	4.559208625
MRPS18C	51023	1121	15.4976131	14.90852039	17.15157296	21.85003784
EVI5L	115704	3834	4.531253073	3.894050568	2.70030081	4.329464466
DGKG	1608	5818	2.986047488	3.6768542	4.721041419	4.314399967
SYT15	83849	5511	3.152390543	4.124284856	2.415340222	3.416055934
ZNF7	7553	2265	7.670121097	5.01742469	9.514810445	5.898589384
TP53INP2	58476	4124	4.212615006	13.88651794	2.15178467	27.24248762
TBKBP1	9755	4150	4.186222719	2.631036519	5.396671013	12.43840001
SSBP2	23635	1948	8.91828762	5.147572286	9.002379463	3.844901401
CENPL	91687	2693	6.45110445	6.123140984	6.119647748	3.532921114
MS4A7	58475	3024	5.677393557	0.736880571	0.978170191	0.535526092
FLCN	201163	3723	4.611452623	5.805740107	6.639891775	14.08248066
SCYL3	57147	3477	4.93771588	5.511536062	4.25364777	4.890429821
LOC25303	253039	3806	4.510887576	4.39108023	5.273791994	5.478237752
TMCO4	255104	2989	5.743873575	12.30090096	6.503244579	12.59677769
COQ7	10229	2667	6.437359623	6.26638596	6.337750622	3.870968133
ZNF238	10472	4244	4.045343571	4.252932956	3.684041551	4.674370539
SETD6	79918	2985	5.751570558	2.986032626	5.308662346	0.542522916
STX8	9482	988	17.37696166	17.59205406	14.11416422	11.26881322
C17orf65	339201	2252	7.623640371	9.103289075	7.505675359	7.370855578

UBE2E2	7325	1760	9.754794384	5.317598159	5.642263514	5.060721574
PEX16	9409	1929	8.90017528	8.432755825	7.557619769	8.605063122
FAM175A	84142	2835	6.055886461	3.772828525	6.707452742	2.641928723
CYTH1	9267	3311	5.185272762	7.604981388	5.934606707	34.66540782
ZNF623	9831	4046	4.243311447	3.249413841	3.394342434	2.201401377
TRAF3IP2	10758	2778	6.18014331	11.06944222	4.943667922	14.93805504
RMND5B	64777	1825	9.407363351	11.35530941	9.724887646	10.87015264
RNF121	55298	2723	6.304971765	7.2831836	7.371300892	8.697824813
TRMU	55687	1974	8.697283747	6.20861077	8.455671807	4.819734832
AP4B1	10717	2500	6.867375246	9.715505055	7.944307027	6.72063825
C17orf53	78995	2761	6.218195623	6.456579058	6.121977874	3.372592429
ARHGAP23	57636	5913	2.903507207	1.281297359	3.680421177	1.095505431
LOC220729	220729	1560	11.00540905	7.427756158	8.668092774	7.007152948
TARBP2	6895	1888	9.093452392	8.615882408	9.624199935	5.575371225
TAF1A	9015	1966	8.732674525	4.873756584	8.490079424	4.22155818
NUBP1	4682	1265	13.57188784	12.50681472	15.70021152	13.60193941
CTIF	9811	5828	2.945854172	0.917636313	2.3564704	0.972547729
MAP4K3	8491	4141	4.145964288	3.87441519	2.908290606	5.181709605
CYSLTR1	10800	1537	11.17009637	19.28220369	20.61985309	25.8139604
PXMP4	11264	5727	2.997806551	2.918186023	2.988312497	2.297516342
ATP13A2	23400	3996	4.296405935	7.806950917	4.758665796	2.634209428
METTLL15	196074	4416	3.88778037	3.279919499	5.741433733	2.75039216
OSGEPL1	64172	2339	7.34007615	3.715465885	6.684511475	2.077081108
ARID5A	10865	2223	7.631152473	7.51797182	15.96753932	12.47537302
RRAGC	64121	1442	11.76425239	9.889938851	9.963497762	21.89937768
RUFY3	22902	4435	3.825039898	1.708300176	5.573915914	2.556035248
NBPF14	25832	3689	4.59855027	5.134393658	4.868312474	4.499638591
MAD2L1BP1	9587	1550	10.94454964	12.93867202	10.08714345	16.7167061
ZNF865	1.01E+08	4953	3.425005441	2.969302886	3.156687329	2.656546758
MED30	90390	987	17.18748931	18.73871614	20.12235822	17.63817854
BAD	572	1240	13.68068705	15.27482113	12.60892931	8.978699567
ABHD11	83451	1667	10.17639589	11.36219448	9.505913079	5.950218527
RRAGD	58528	4926	3.443778308	7.509181012	4.031824516	9.246141731
PUS3	83480	1862	9.110661626	6.462387205	10.89330671	5.109643694
KLHL28	54813	6568	2.582833731	1.66242411	2.605673823	3.020406299
ZNF358	140467	2003	8.469321991	5.117475536	6.540017576	5.962707396
RAB20	55647	1530	11.08761565	22.57455303	11.04756922	64.96246517
CSRNP2	81566	4469	3.795939125	3.09143577	4.20772964	5.571436595
TNFRSF10B	8793	3561	4.763844973	6.382739074	6.407962434	5.911991504
PDE9A	5152	2103	8.066596266	0.63575659	6.731373757	3.176487151
LOC162632	162632	3901	4.348641873	5.312340344	5.36200753	4.047539428
NQO2	4835	1139	14.89381207	14.67291603	17.06602111	19.19430834
TRIP10	9322	2029	8.360794454	3.184892981	10.10084862	2.294659363
DDN	23109	3744	4.530996781	0.892759154	5.869021149	0.324405229
ETFB	2109	1318	12.87105611	18.25943092	12.0230327	12.74779638
TTI2	80185	2520	6.731766646	4.686560433	6.120550627	5.542695057
XRRA1	143570	5028	3.373916457	2.570464542	3.235665598	2.133796686
THSD1P1	374500	3493	4.856585155	4.274202656	4.415627707	2.318108937
ZNF200	7752	3387	5.008577487	4.210596936	5.863822725	4.362948626
FARP2	9855	4061	4.177309024	3.621511252	4.370332419	1.545258496
TOR3A	64222	2138	7.934542539	8.963335308	9.882355536	4.450026454
IFT81	28981	3160	5.303691702	1.621883465	6.017603963	0.960896501
MRPS28	28957	724	23.14870964	18.77457703	18.09344641	7.549142679
GALT	2592	1347	12.44221661	16.54288677	10.19562694	10.97053229
C4orf29	80167	2200	7.6180299	12.55966041	9.12366015	10.30546939
ZNF429	353088	2361	7.098545438	5.002173779	5.816818928	6.087441453
GALK2	2585	3208	5.224334719	7.293463809	7.310663501	6.373227917
RPL22L1	200916	1978	8.473036289	8.78713317	8.43857237	5.833389883
VILL	50853	2787	6.013514811	11.51342182	5.003514263	5.08432738
HYLS1	219844	2073	8.084739884	4.084728423	7.134555376	1.464752988
DNAJC1	64215	2213	7.573278707	8.357484335	5.823936034	11.43407495
DYNLT3	6990	2230	7.515545193	6.595048069	10.13787868	15.43179673

KCTD7	154881	5051	3.318088652	2.470526697	3.597404371	3.166081998
NAGLU	4669	2798	5.989873402	5.893359068	6.49409917	5.715468254
LIX1L	128077	1467	11.42444838	5.620183596	10.22577918	4.001661231
C16orf70	80262	2943	5.694755617	6.738739022	6.030553841	17.81484047
SLC25A29	123096	2370	7.071588937	2.914689125	7.577723509	2.049912536
FCHO2	115548	4994	3.355960308	4.015807294	3.553848609	5.10733615
BBIP1	92482	2368	7.077561562	5.55199679	4.996599086	5.129109703
DDX12P	440081	3909	4.28745607	3.477307181	3.729508451	1.242847969
SLC18A2	6571	3885	4.313942286	10.32429427	5.764783708	3.595261659
ZSWIM7	125150	2008	8.346447101	4.660843008	8.73338406	4.435692216
C15orf57	90416	1749	9.582427547	10.19246128	10.99308936	16.08782845
SLC9B2	133308	3377	4.962885928	5.080875548	5.505791827	2.697453015
FDX1	2230	3236	5.17913034	5.784284771	4.635728695	2.62732146
RASGRF1	5923	6414	2.61298188	0.521124146	1.943529922	1.167737438
CCDC101	112869	1160	14.44798774	14.79147994	16.93920932	13.08807304
MTMR1	8776	2732	6.134577518	6.60667916	7.424354718	7.705930361
SFMBT1	51460	4793	3.496696386	4.184214819	3.306145859	3.2520389
MCAT	27349	2086	8.034355599	6.836669139	5.773361169	2.1349161
AUH	549	1601	10.34058689	5.706520971	10.29369855	6.069072718
MESDC1	59274	3068	5.396114606	5.374712735	7.782000663	9.237301439
C6orf204	387119	7653	2.163240508	2.067309632	2.595161057	2.645091637
TMEM175	84286	1809	9.151619465	14.65842426	12.14682984	20.36597737
SNX33	257364	3250	5.093932188	4.250961986	4.615759402	12.14573178
DOCK7	85440	7063	2.343944445	2.145352196	1.705115588	1.203739522
LOC10028	1E+08	1567	10.56495189	12.37169341	11.0563819	7.10503348
VRK2	7444	2076	7.974604823	11.37777677	10.88991785	15.01639928
FAHD1	81889	1755	9.433207756	8.126092207	10.47394544	7.497365295
C19orf55	148137	2146	7.714482578	8.929921197	4.332026794	3.301495901
MBIP	51562	1661	9.967055756	8.183500162	12.97474152	8.16540266
PKN3	29941	3385	4.890776842	3.554790244	3.994748812	2.152862353
DOPEY1	23033	7995	2.070704142	3.344580634	2.24630453	7.190718834
CENPM	79019	947	17.48181585	15.76535362	16.51010807	3.206370585
CCDC75	253635	1257	13.17046906	17.37279483	16.47247941	11.91705319
DNAL1	83544	8584	1.928620644	2.362275665	1.722965202	1.58000161
KRCC1	51315	1774	9.332175655	20.09764913	10.00446446	23.04996072
SIGLEC12	89858	2126	7.787055321	25.57440032	5.465974541	67.8888896
C9orf23	138716	1100	15.05025419	14.58541209	11.52462335	8.097154518
C12orf44	60673	1458	11.35478711	15.58911786	12.60752691	9.99648706
PABPC1L	80336	2129	7.776082485	5.128605708	7.840063949	5.039328199
ZNF362	149076	3158	5.242330466	10.0902704	7.894744091	10.96115756
CSF2RB	1439	4848	3.414867907	11.72077859	5.883548429	23.13234119
POLR3K	51728	824	20.09135875	17.03696497	17.94894817	8.843979449
KIAA1009	22832	5155	3.21149944	3.155535594	3.852719218	3.691234358
RAB9A	9367	1377	12.02271577	9.871309927	15.80416153	22.49209588
STMN3	50861	2255	7.341587411	3.063331808	7.495689982	0.807920074
KIAA0895L	653319	3416	4.846393329	4.044387135	3.896645189	5.392572169
RGS16	6004	2432	6.807269577	1.924130913	11.98902018	9.155910742
LOC10050	1.01E+08	3497	4.734137721	2.485122878	2.779267664	1.736593048
NENF	29937	995	16.63847197	12.76528948	17.200066	6.713721083
C12orf73	728568	1720	9.625162565	6.866355983	10.80991802	4.119191979
RBFOX2	23543	6997	2.366053968	0.95540668	1.721199285	0.115723232
ZNF407	55628	8008	2.067342609	2.08696945	2.005200033	1.744204738
SUSD1	64420	3010	5.432190513	7.47711002	9.686809657	9.482548065
TMEM177	80775	1759	9.295561935	5.067258323	9.849545442	2.186553949
CHMP6	79643	1678	9.744274996	13.01406621	8.562195335	12.06369863
C14orf49	161176	3277	4.98959214	0.543991907	3.481653071	0.123545232
ZNF28	7576	4726	3.459774322	3.253376057	2.905947839	4.711632443
DCP1B	196513	2105	7.767645341	7.304254274	10.73989048	7.78942418
MUM1	84939	4188	3.904224795	1.276978136	4.540503468	1.788411635
NFKBIB	4793	2213	7.388564593	6.8470956	10.31123101	5.854246376
NIPAL3	57185	5426	3.013434103	3.860352445	3.543478305	4.215713512
OIP5	11339	1249	13.0911877	14.80793662	16.40882454	6.644982691

EPC1	80314	2913	5.613077049	8.797033555	6.382787161	9.242375137
ZNF616	90317	3070	5.326023923	2.104934156	5.299324633	2.571571875
FAM168A	23201	1834	8.915427177	12.75759645	10.48359503	20.9713653
SIRT2	22933	2086	7.838395706	6.729846183	9.3184075	6.016581737
C16orf62	57020	3894	4.198996775	6.752505598	4.774796867	4.678633196
GFER	2671	2447	6.682016119	6.829771702	5.957764011	4.384442066
DGAT1	8694	3718	4.397765854	4.974478976	5.796408192	4.682324426
GMEB1	10691	2694	6.069373958	7.940585648	6.274231963	7.06321942
YPEL5	51646	2639	6.195867163	5.066298251	4.803745995	17.33570407
LEPR	3953	5142	3.17987037	2.643483814	2.958479739	3.42499243
ZNF175	7728	3788	4.316497741	3.411904888	4.183304409	7.107454798
BTN3A3	10384	3019	5.415996503	9.96436318	3.359280737	26.88770257
COX19	90639	4896	3.339643269	4.005162634	2.761892305	2.85285775
SCFD2	152579	3204	5.103275107	5.842055405	5.737133033	3.411722409
CCDC92	80212	1814	9.013722957	10.68712435	10.71565493	13.05632688
ERCC8	1161	2044	7.999458632	5.886969166	5.995360156	3.169140712
SPNS2	124976	4349	3.759690376	0.512376833	5.878467722	0.372368568
HINFP	25988	2319	6.962702577	5.765399346	9.11102895	6.284984102
NUDT9	53343	1716	9.409386524	7.271929106	9.973231743	9.083346415
ANAPC11	51529	1130	14.28894449	16.36735649	12.71448121	8.419607574
PLD3	23646	2424	6.661100361	12.96180221	12.4644063	20.46001296
LOC100294	1E+08	3690	4.375747229	6.159602668	5.09602812	5.869888438
SIAH1	6477	2393	6.747391256	6.98389108	6.975134203	7.444103611
ING2	3622	1135	14.2259976	9.22743276	17.12616568	3.388677001
GSG2	83903	2797	5.772794879	5.895466096	6.043182306	3.473931148
SLC28A3	64078	4803	3.361754586	3.34040252	4.486996806	1.475121841
CISH	1154	2285	7.066305153	5.266067823	6.842482425	4.783876849
GTF2H5	404672	7503	2.152006834	2.168037583	2.14016285	1.295026712
PRADC1	84279	1105	14.61222378	14.11609768	18.5471691	6.41177394
RPUSD1	113000	2067	7.811566171	10.13365862	9.915153291	5.28841732
KIFAP3	22920	4120	3.919055164	3.461478598	4.205182144	1.375730137
PLEKHH3	79990	3076	5.249189621	2.390597723	4.464730003	1.84265545
KIAA1919	91749	3930	4.108526024	3.628827436	4.139675986	2.781465293
C20orf96	140680	1615	9.997837322	8.14063678	5.887191493	5.515089765
RAB7B	338382	3032	5.325365196	-	15.60942828	1.802631695
ZRANB3	84083	3717	4.34396214	4.016623588	3.978997389	1.470427576
C16orf48	84080	1628	9.918002012	4.653753858	6.359307928	3.108551335
NDUFB1	4707	433	36.81783166	54.03563949	41.96417893	46.75031477
DDX28	55794	2610	6.108092378	6.830120605	6.638065299	2.792122248
ZNF627	199692	2864	5.566383068	4.512673085	5.164082855	6.997366422
ATP7A	538	8488	1.878195229	0.91884354	1.393961668	2.551824733
REXO1L1	254958	7032	2.267082069	2.313251705	2.403694669	3.857432827
PLEKHF2	79666	2977	5.355096106	6.137816644	5.393900525	8.295707518
ACBD7	414149	3383	4.712421256	3.029944871	6.432849666	2.513157625
PDRG1	81572	1384	11.51887363	9.982389056	11.14435519	9.214608646
KIF13B	23303	8774	1.816973001	3.073028819	3.178662925	6.090861616
PINX1	54984	1047	15.2264767	7.874698506	14.5296111	3.480152372
SMARCD3	6604	1728	9.22576453	2.708036099	6.358106245	3.86582898
C14orf129	51527	2110	7.555507634	6.758906077	10.0134958	10.36128777
SLITRK4	139065	8767	1.81842376	2.694224316	2.602800756	1.062133877
DYRK3	8444	2301	6.928344679	3.776825165	5.417557984	4.57466357
CNO	55330	1546	10.31185065	10.08944886	8.609922358	8.510915972
HES6	55502	1386	11.50225188	3.858574628	13.87223181	2.19078856
DERL2	51009	1156	13.7907622	19.46894564	14.43901051	18.73692763
IBA57	200205	7921	2.012639958	2.841320687	2.187268076	1.48224644
BTBD10	84280	2520	6.326238535	7.869884501	6.036707467	9.478811837
PPM1K	152926	3725	4.279764056	3.050863603	3.743568926	15.70521917
CD244	51744	2543	6.269021277	7.798705836	8.14231483	7.323419344
FAM200A	221786	2548	6.25671943	3.847974148	4.394855711	5.243447785
ZNF23	7571	3271	4.873775942	4.087423138	2.842106237	2.166007399
ZBTB12	221527	1865	8.548054213	5.376659954	7.363812058	2.713523632
SFXN5	94097	4140	3.850753891	6.566567038	5.256601551	5.965294995

QPCTL	54814	2345	6.798345888	4.181082358	6.036707467	2.762355486
SUCNR1	56670	1650	9.66189158	51.45409266	13.82954802	77.78175704
C1GALT1C	29071	1915	8.324867419	13.03251211	11.03314681	17.65306533
PACRGL	133015	2090	7.627809142	5.011069944	5.357938924	2.227686052
FBXL14	144699	2111	7.551928521	6.122357042	6.005251389	4.02748093
WRAP53	55135	1982	8.043451618	5.396553415	6.929116795	2.553340855
TGIF1	7050	2076	7.679249088	3.649475569	8.956194123	11.11603583
HRAS	3265	1251	12.74350208	6.590575008	10.97802517	4.045340986
CLDN12	9069	3684	4.271915022	3.326763752	3.613175886	6.37398157
ZNF174	7727	2498	6.300134083	5.352266247	6.512780875	3.241454971
KIAA1804	84451	5809	2.709198647	0.613758471	2.436921847	0.209084727
CYB5D1	124637	3760	4.185567803	2.785408559	4.495420454	1.507448979
MAPK12	6300	1778	8.851369482	5.263764206	7.605300746	1.480076051
LYPLAL1	127018	1892	8.318041723	6.359918063	6.700362411	3.423743982
FAM63A	55793	2851	5.520075391	6.721715499	4.520649051	8.449328198
ZNF319	57567	4220	3.729321076	3.907492576	2.202969076	2.638290868
VAMP4	8674	5155	3.052906875	2.507137869	3.729760094	3.455623655
LACC1	144811	4288	3.670180723	5.144691182	6.3562813	12.69901216
KPTN	11133	1688	9.323302689	9.504711671	8.636640127	6.355882545
GEMIN2	8487	1368	11.50419221	6.189796798	10.65690682	3.255434931
CXorf23	256643	6494	2.423427	2.607835547	2.114799736	4.114661212
MIB2	142678	3350	4.697831325	4.656205353	6.874638504	4.471562943
ZNF529	57711	5242	3.002238638	2.508036704	3.022960149	1.930836159
USE1	55850	877	17.94496572	13.46651345	13.00955201	6.462951155
EFEMP2	30008	2096	7.508461326	2.870459202	8.165107667	4.732354144
TLE1	7088	3283	4.793705434	4.479731097	2.188145564	0.801576369
IQCE	23288	6861	2.293796085	5.813591396	2.740758455	3.156957927
FAM18B1	51030	1821	8.642358561	8.810518013	8.237901184	12.56148353
PODXL2	50512	2171	7.249071828	3.695060641	9.829461491	4.941837741
COA5	493753	1698	9.268395135	9.57996819	9.581228872	7.391395467
MIDN	90007	3812	4.128471915	19.9918096	6.152310732	29.95012558
CNPPD1	27013	2100	7.494159495	9.125528994	10.1617909	7.229602248
SLC25A25	114789	3433	4.584251366	4.348904712	3.877349247	4.540350261
RNF135	84282	2254	6.982136175	4.547605811	6.936589326	9.699342147
UNKL	64718	5109	3.08039439	1.177624288	2.315902649	2.218832712
ZNF681	148213	6513	2.416357276	2.326519663	1.784225683	1.24322962
C16orf42	115939	1214	12.96353784	8.259860637	10.26836979	7.503541049
LINC00341	79686	2840	5.469489004	0.706159916	4.538158607	0.071277769
TOB1	10140	1830	8.488168727	14.12491335	10.62196614	8.738732335
RAB23	51715	3037	5.114701604	3.30176846	4.730775032	1.466392817
C1orf124	83932	3854	4.030448565	3.584749988	3.398976441	3.046412572
UBE2F	140739	2206	7.041409234	5.454653208	10.91861414	17.71023144
CAST	831	4550	3.413922807	7.101261382	4.504312495	10.09919822
DNAH1	25981	13126	1.183403076	2.393677324	1.287732813	2.575470068
TPMT	7172	3258	4.767755915	4.856083676	5.706893493	8.512202033
ZNF519	162655	6810	2.28096164	0.850756212	1.396154811	0.653955211
SUPT3H	8464	2500	6.213339509	4.100121399	3.7186118	2.18623172
CCDC56	28958	772	20.1209181	21.93689643	24.90532809	11.79960989
SESN1	27244	3212	4.836036355	3.260627703	5.130825463	2.646952753
GADD45B	4616	1393	11.15100414	6.078709275	6.977099083	24.84948713
MARVELD1	83742	3250	4.77949193	5.073728822	5.070834273	0.747429648
MED19	219541	1605	9.678098923	8.746703513	11.05789405	7.819681933
LOC38979	389791	2121	7.32359678	8.19469562	6.67424753	8.49418614
ATG4A	115201	2326	6.678137907	5.364845376	8.629429204	7.310414655
C7orf31	136895	3609	4.304058956	4.630770672	4.800595852	5.216371365
PDLIM2	64236	4608	3.370952424	6.238154586	2.842807119	8.873834704
NPC2	10577	921	16.86574242	61.21245303	24.77606322	161.5474639
PMS2P3	5387	1518	10.23277258	9.835171197	10.99571551	7.46773144
FOXO4	4303	3365	4.616151195	4.966553152	4.834747883	8.000903053
FAM58A	92002	1308	11.87564891	7.66626209	14.3764096	5.726198723
TTC7B	145567	3443	4.511573852	1.747453525	5.952547735	3.292482232
LOC44145	441454	1381	11.24789918	10.00407419	13.31048098	8.941463172

KANK2	25959	5224	2.9734588	0.725144648	3.882721495	0.542496953
STARD9	57519	15584	0.996749793	0.243079802	1.057508431	0.064947659
ZNRF3	84133	6696	2.319795217	0.965075845	2.902956697	0.241850493
ST7	7982	2970	5.16126687	8.628201598	6.118009925	3.476051182
ZNF490	57474	6098	2.513768876	2.302141545	1.905651341	3.950317267
RAB38	23682	1479	10.36441014	3.917275053	11.14280689	5.611618243
DHRS7B	25979	1377	11.13214423	21.36086738	12.7353923	14.5537091
PPP1R21	129285	3220	4.760547392	6.851067015	5.052461685	8.926987124
FANCL	55120	1753	8.744416773	8.135363276	8.919037274	7.967821759
GLIPR2	152007	1900	8.067875054	8.796027029	6.227340335	13.95693739
C11orf21	29125	2262	6.77672971	7.289840261	6.912056738	2.595241833
TUBD1	51174	2505	6.119346349	3.647161706	5.229403275	2.909157312
SIDT2	51092	3919	3.911447462	4.037030012	5.445205639	11.72527479
C16orf5	29965	2774	5.525941818	6.345992103	6.626450699	5.473022611
GUSBP1	728411	4245	3.61106304	2.887113701	3.284992756	2.241261851
C22orf39	128977	1988	7.710745776	6.949510289	7.864724517	3.971189967
PHKA1	5255	6177	2.48161933	0.974013678	1.881279242	0.262171103
ROMO1	140823	477	32.13618994	26.62780509	36.32148937	25.88712922
ALS2CR8	79800	5929	2.585421252	3.720768391	1.496704331	2.663088432
SETMAR	6419	2190	6.999526303	6.003254977	5.595669479	1.941098686
SH3RF3	344558	5608	2.733409879	10.09263586	3.390803945	13.71664906
MCAM	4162	3332	4.600528993	0.601889004	5.389917382	1.215059201
ISL2	64843	1836	8.349108172	5.340216846	7.710282686	6.725577691
DYRK4	8798	1860	8.241377744	14.61590728	9.541892449	9.903777704
ZNF440	126070	4181	3.666338819	4.317016853	3.739553298	2.372402364
RN7SL1	6029	299	51.26743346	31.30091224	58.65095382	48.06839221
C9orf82	79886	2987	5.131892401	4.103045752	4.880699208	3.862887576
DEPDC5	9681	5394	2.841854394	3.84194284	3.368648401	4.203194781
RABEP2	79874	2280	6.723229212	7.720957059	5.467456544	7.457905477
FLJ90757	440465	4421	3.467306628	7.056452356	2.532931996	5.357199042
ANKRA2	57763	2198	6.97405032	3.649670906	7.593947292	6.354682231
MYEOV2	150678	759	20.19626166	14.67936	25.6102741	12.00171124
SYCP2L	221711	3139	4.883390444	6.175993492	4.644360794	15.09026885
C19orf54	284325	2769	5.462107777	6.035554841	5.264950716	6.06774851
PIGH	5283	1439	10.51047702	9.600852296	14.53592173	13.08261588
ZFYVE1	53349	4501	3.360270259	3.366501347	4.88194072	7.600639378
MED9	55090	2222	6.80674007	5.415375777	6.751223248	6.194942701
ZNF187	7741	2838	5.329308117	6.124365543	4.541356745	4.564991976
KCTD13	253980	1750	8.642615106	10.69596887	7.48551726	12.60842632
ZNF649	65251	3234	4.676739776	2.825027852	3.331948927	2.065600642
TM2D3	80213	1421	10.64361466	7.840699674	10.85417845	11.9662382
LRG1	116844	1780	8.496953053	173.5090455	6.053664511	301.596261
MACROD1	28992	1277	11.84383433	5.583904394	7.941792126	2.536305252
CEP76	79959	2884	5.244305283	3.940522511	5.274792933	1.82494814
WDR4	10785	2155	7.018364935	5.997353	6.961122068	1.690821129
EPHB4	2050	4369	3.461793645	1.020062645	3.14339883	0.092665994
KAT2B	8850	4824	3.135277039	6.697914446	4.423665194	6.797984204
DLEU2	8847	2768	5.464081082	5.393710216	5.037859194	5.923676987
UEVLD	55293	2136	7.080794211	7.511214092	5.737133033	7.107755019
SLC25A26	115286	2686	5.630892195	5.392451418	6.528903646	3.089941691
ATOX1	475	498	30.37063541	31.76931851	36.48692666	39.42891507
WASL	8976	4430	3.414125606	3.873164046	3.863220242	4.432415284
CDKN2D	1032	1416	10.68119805	32.88985248	7.311407702	30.73602086
NAT9	26151	1943	7.784136096	7.225146237	8.481838078	4.167346638
MCM9	254394	4822	3.136577444	3.835568817	4.776034631	2.770697834
ZNF668	79759	2865	5.279084271	4.666653084	4.351064894	4.098036318
CHRNA5	1138	3646	4.148265616	2.139095986	2.317989702	0.999374529
ATF7IP2	80063	3609	4.190794246	3.828103756	3.044280297	2.748410719
C1orf86	199990	4543	3.329204586	3.727775488	3.627605412	2.851738329
TMEM183	92703	2220	6.812872268	8.933382406	10.37389144	4.923945315
TRPT1	83707	1077	14.04324646	11.17266943	10.78984389	12.40511138
DDIT3	1649	1191	12.69905662	14.21938207	9.93446401	81.7533863

DNAJB4	11080	2250	6.722033971	6.140278424	5.728164641	13.40528915
MICALL1	85377	3882	3.896078422	4.821727336	5.442678036	5.527423873
NCAM1	4684	5981	2.528770512	1.005932534	4.133141127	0.270762565
THSD7A	221981	10607	1.425905198	0.105040391	0.199193704	-
BACE1	23621	5864	2.544370782	1.748005371	2.450096141	1.03561833
NAGK	55577	1801	8.284392153	20.16753338	8.798643588	63.95448252
GIPC1	10755	1947	7.663169115	6.523607103	3.906651982	7.693752367
LOC100133	1E+08	2162	6.901105581	8.451563436	8.697661314	6.366865255
BMP1	649	3872	3.853354924	3.740734635	3.983416214	1.829806354
EIF3C	8663	3265	4.569736682	2.79820523	2.588480997	0.867995124
ALKBH8	91801	4085	3.652433358	3.491136309	4.448100239	1.932613379
ARRDC3	57561	4178	3.571132185	14.18704982	7.433906156	36.87131755
ZFYVE21	79038	1524	9.790151094	7.89564631	8.872850871	4.383302151
PFN1P2	767846	1913	7.799367625	8.153835824	8.062617658	5.185057127
LOC100233	1E+08	2502	5.963305462	12.3795936	5.32011989	13.26871844
ZNF75D	7626	3293	4.530880737	6.631522352	3.721383589	9.651178708
TMEM101	84336	1563	9.545867094	8.268903209	11.21985617	8.547859856
PTPN4	5775	3963	3.764872639	5.341686866	3.198860884	2.451825744
CHST13	166012	1747	8.540463805	0.255103245	8.465903432	0.347616822
CXXC5	51523	1447	10.31111974	52.05075843	9.052975262	67.98923801
XPA	7507	1722	8.664454278	9.964063139	10.55196834	6.935715978
CSF1R	1436	4006	3.724460875	5.117475536	5.801628495	20.51575596
NUBPL	80224	3072	4.856832769	4.13459083	4.057877904	1.51558068
TATDN3	128387	2609	5.718739083	5.124553884	5.587830025	9.776173527
SRGAP2P2	647135	1033	14.44355302	8.412850634	8.385939222	21.35987034
OLIG1	116448	2293	6.506842681	11.4671857	16.9543812	16.77343391
METTL6	131965	2499	5.970464293	6.330980639	6.848365614	6.723327581
PELO	53918	2941	5.073169081	6.894856957	6.178337122	9.085552503
WDR52	55779	10277	1.451804054	1.127498259	2.364284086	1.122744496
DDI2	84301	2680	5.567235174	3.242714442	5.360956632	3.550058417
CASP1	834	1364	10.93855591	20.91098508	8.674447681	105.8150875
TOR2A	27433	2509	5.946668102	10.30234812	8.084231603	8.632876977
LRR37B	114659	3031	4.85509868	4.190518981	5.925174766	4.675031477
TBCC	6903	1675	8.785554686	11.57399616	10.46963295	20.78672503
FER	2241	2950	4.988408169	4.985409218	4.225695227	4.25443712
MTERF	7978	2163	6.803423069	8.035575317	6.153925088	8.235663403
CENPQ	55166	1753	8.394640102	6.737097713	7.593234436	3.810697363
PI4KAP1	728233	2360	6.235510211	4.815452086	4.29731718	3.087897909
ALDH6A1	4329	2183	6.741092121	6.737039484	6.000758225	3.245538343
COMMD10	51397	1456	10.10700831	11.17224312	13.93086339	10.42731094
MMD	23531	2723	5.404261513	3.846175609	5.043521663	1.784169192
SEC11C	90701	793	18.55713001	25.57096382	25.04510412	16.33726006
CFL2	1073	3267	4.504378359	6.138641453	3.298292877	2.602391259
HK1	3098	3979	3.698367454	0.560021826	8.495994425	3.510327103
DGAT2	84649	2485	5.921852756	4.752568326	6.461827712	9.775236843
PAFAH1B3	5050	1108	13.28141164	7.642276192	11.63210329	4.202043184
ABHD5	51099	5370	2.740373203	2.448254823	2.203342018	2.186382505
PHACTR3	116154	2728	5.394356341	1.715354245	16.03223812	2.151919731
LOC399744	399744	5270	2.792372694	4.48202364	2.485703075	4.839855167
PIAS4	51588	1835	8.019511771	8.25755998	10.13245722	9.928391099
TIGD1	200765	2448	6.011357884	5.643638257	5.351166342	3.307661159
ECM1	1893	2242	6.563694959	1.192681631	4.335012945	1.534920013
GAA	2548	3782	3.891011131	6.068684963	4.189941063	11.7218194
C9orf21	195827	1242	11.84847351	4.664774399	11.7380423	4.889586062
FECH	2235	7295	2.01724525	2.413129828	2.05636985	2.247667978
C22orf25	128989	2271	6.479878511	13.34444964	7.908060201	12.30082919
C18orf8	29919	2173	6.772114174	9.229149391	10.79273286	12.85558357
CCDC94	55702	1441	10.21221659	8.195789238	11.14340171	11.23824361
FOXC1	2296	3452	4.262979171	10.7155926	3.733595146	10.2035406
NAIF1	203245	3408	4.318017635	4.511577244	4.153779053	4.3954624
PRMT6	55170	2665	5.521877711	5.43494353	6.976757598	2.202790629
C2orf42	54980	2540	5.793623661	5.263764206	5.739625407	5.419355386



CLK4	57396	2524	5.830350277	3.619706844	6.529402292	6.656733607
HDDC3	374659	1064	13.83064295	15.07890348	11.1202506	4.375811887
RPA3	6119	1613	9.123251146	13.26220566	11.39601627	6.023921526
ZNF830	91603	1657	8.880992214	9.279091881	11.47593755	6.474791633
LINS	55180	2512	5.776838348	6.564338643	7.065254759	5.560346952
KIAA1609	57707	5031	2.884400304	2.170304423	2.309811543	4.506466438
BCL9	607	6278	2.311471477	0.816366956	2.153906455	2.418312316
SGK223	157285	4627	3.136247662	2.359801503	2.237508819	3.062463887
TXNDC5	81567	3231	4.491308552	1.931078667	4.773688511	1.06508532
B3GNT1	11041	2077	6.986720236	2.789431778	8.239800515	1.267007809
MPZ	4359	1980	7.328998955	15.7558464	4.801926395	27.50169906
ERRFI1	54206	3144	4.615590945	1.275759645	4.636974725	7.79067825
CYB561D1	284613	5125	2.831496182	4.9566685	3.009519528	7.030700021
TRMT61B	55006	1856	7.818651903	5.402732119	7.058003882	1.963210955
CORO7	79585	3854	3.765287476	6.244403205	3.727909645	6.61806869
CCDC8	83987	3336	4.349945423	4.208171205	6.206806539	1.51700287
CCDC53	51019	923	15.72201293	21.48657524	18.99960476	28.51110746
RPL26L1	51121	723	20.07111747	12.94463729	22.20973978	12.31932223
CNTNAP1	8506	5471	2.652425138	0.570217069	1.892332902	0.555005108
PPP1R3E	90673	4521	3.209780564	3.351608618	3.131183148	2.193986792
RNFT1	51136	2031	7.144962054	8.88697561	10.71508145	23.22300594
C10orf54	64115	4774	3.039676986	111.9297817	8.187616433	174.3160988
ARID5B	84159	7948	1.825794908	0.112145287	2.445671621	1.27345787
AKIP1	56672	1528	9.497001264	12.10413144	8.296522043	13.6454011
NECAB3	63941	2063	7.034133752	4.860625697	7.578803849	7.261141958
MFSD3	113655	1468	9.885162078	10.17015659	7.340274407	2.619992095
SLC35E3	55508	2347	6.182964606	5.886504667	6.661726604	3.708752069
YIPF1	54432	1924	7.542317012	8.802122682	12.51895156	11.78380075
ATXN7L2	127002	2413	6.013849122	2.03162829	4.027807303	2.936183259
UPRT	139596	2570	5.646466121	8.063595207	6.90580543	10.1608262
GNPDA1	10007	2311	6.279280801	9.449417181	10.788231	14.27776056
TNFSF14	8740	2894	5.014311656	0.46198898	7.373794367	2.378224375
ZNF74	7625	3868	3.751659238	2.938073144	3.605169144	1.2560219
NMNAT1	64802	3781	3.837984113	4.891592921	4.358691189	4.229537205
THAP7	80764	1271	11.41732331	7.889434157	10.47280879	4.778021942
NXT1	29107	1176	12.3396411	10.99004738	12.93580172	4.131201285
FBXL13	222235	3116	4.657066088	7.723340806	5.831350923	12.34322335
FIG4	9896	3123	4.64662758	5.42276146	4.93877284	9.398714418
STK11IP	114790	3602	4.028711252	4.639769949	5.279186153	4.945513587
SLC39A4	55630	2342	6.10889486	2.568950678	5.232500495	0.777907671
HOXC10	3226	2017	7.093223482	9.611523834	7.123135237	7.727824714
SNHG12	85028	758	18.87471209	17.05052205	19.23304556	12.01754463
WVOX	51741	2488	5.750414696	6.80678619	5.095291673	3.254483327
FMNL3	91010	11192	1.278326641	2.727669568	2.699581922	5.426077456
ZNF764	92595	2817	5.078818517	4.034244559	3.000138606	3.880425488
LOC10027	1E+08	2049	6.982445956	8.917657466	7.836818869	8.298694235
LSM10	84967	869	16.46378799	12.05194037	19.93711212	20.03323615
SLC25A16	8034	2264	6.319360319	7.086551812	7.652539943	5.096486391
C4orf52	389203	1021	14.01276372	17.02345682	12.41634249	10.50806047
FAM76A	199870	3462	4.132591497	3.218265233	3.600751277	3.332884225
POP5	51367	801	17.86146288	19.1953249	21.62965098	9.097926425
NHEJ1	79840	2119	6.751784692	3.680577615	6.580837305	2.292728981
C6orf35	729515	5046	2.835321396	1.766410501	3.140379925	1.524434561
C9orf100	84904	3763	3.802028106	4.974208216	3.705765147	2.097987153
C14orf142	84520	1191	12.01262113	8.793565225	15.61130059	5.778825643
DFFB	1677	3034	4.715567489	5.067717616	6.128233026	2.602084923
ZFYVE9	9372	4930	2.90203484	1.807973101	2.914272571	1.519242988
EXOSC5	56915	1006	14.22170155	14.61924174	16.38191987	5.432981411
TRIM52	84851	2244	6.375682604	5.759490069	6.496723946	4.330029154
TAF6L	10629	2176	6.574922685	6.04187886	5.437475476	3.907174745
ALKBH7	84266	1331	10.74908472	13.05856455	11.58811989	5.627248632
N6AMT1	29104	4883	2.929967594	2.874966033	3.072131488	0.746205106

HEATR5A	25938	7856	1.821159848	1.304773867	2.743259376	2.087161138
DPCD	25911	858	16.67486219	13.24529944	12.80513705	3.538966136
ZNF136	7695	3035	4.71401376	4.47867999	4.037731848	5.53594584
ZGLP1	1E+08	1997	7.164262275	6.471855641	7.723479008	4.966957579
FKBP14	55033	2247	6.367170344	10.7102492	5.64178268	9.549381163
SLC30A1	7779	2034	7.03393892	7.121005166	9.660512688	17.61549102
DOM3Z	1797	1590	8.998133184	5.325561019	7.57435937	4.965236261
ICA1L	130026	7996	1.789273607	1.532741078	1.691123653	0.784804246
C7orf43	55262	2563	5.582142709	18.25784775	6.347610856	33.25109298
BBS4	585	2509	5.702284481	7.371507706	5.978962956	6.696530739
ASB13	79754	2817	5.078818517	4.508861566	6.750311865	3.808565757
CNNM4	26504	4814	2.971963391	2.314423398	3.68673036	4.289103453
SERGEF	26297	1515	9.30867696	8.2367197	7.252018212	3.34041028
S100A6	6277	683	20.64809018	9.787672829	25.36654529	5.631256803
MZF1	7593	2938	4.800083593	6.370982137	4.818270596	4.685215344
TSKU	25987	2725	5.175282787	0.817734623	4.341998766	0.445714928
C4orf33	132321	1873	7.529442389	7.019289055	5.076248938	15.88736938
C6orf47	57827	2475	5.698038624	9.723608061	5.463525142	16.76683511
KCTD21	283219	3396	4.152722496	2.559032599	5.039477524	3.576481678
FUT7	2529	2428	5.808338383	3.303944255	6.265445971	1.667453566
EPCAM	4072	1731	8.147108951	6.565261076	16.96625178	4.209959022
PODXL	5420	6007	2.347701947	1.224151589	2.637981871	1.752339083
SIGLEC10	89790	3400	4.14783694	17.10568551	7.892107263	36.91349854
TSSC4	10078	1443	9.77314317	10.19193153	7.321024302	6.733600431
FBXW4	6468	2303	6.12359774	9.288726763	5.688083024	11.95411436
SLC10A7	84068	3783	3.727899972	6.12598446	5.250004644	6.581747328
NUDT16L1	84309	1437	9.813949614	5.582447217	7.498624098	5.071286755
NOMO2	283820	4317	3.266769885	4.542338721	3.768572301	5.626931562
SEMA3G	56920	4700	3.000562893	0.142233629	2.832114886	0.129209913
TECPR1	25851	4371	3.226411712	6.627373374	2.99694697	7.178328474
RASSF8	11228	5882	2.397593607	1.288050201	2.550360091	1.892823438
TGM5	9333	2777	5.078374359	22.94927902	3.804190878	14.57896024
DUSP14	11072	1508	9.351886999	5.171846131	8.966992525	4.161336042
CLN8	2055	7185	1.962789923	1.860815739	1.970226724	1.408690765
ZXDB	158586	5651	2.495601769	1.419567625	2.280723844	1.253762202
C20orf24	55969	1251	11.273098	16.3873757	16.04480602	23.62479136
SYNJ1	8867	7099	1.98656791	3.076152008	2.678634811	10.55059576
HAGHL	84264	1379	10.22671907	6.625192222	7.814012204	0.880763726
C10orf125	282969	768	18.36281979	16.53836332	18.70750491	9.488852951
USP35	57558	4311	3.271316538	1.860815739	4.508976582	2.488687018
SCARNA9	619383	353	39.95083738	45.45029264	55.06571684	55.62492835
NLGN2	57555	4642	3.038053769	1.34410064	3.41369175	0.610513589
LANCL2	55915	4353	3.239753181	4.248819856	3.883018817	2.929707872
PPP1R3D	5509	3481	4.051320194	3.456755236	4.309456494	6.920147857
BHLHE41	79365	3796	3.715133192	3.346012389	8.571615714	17.38456515
ZBTB8A	653121	7333	1.923175453	1.580158135	1.671146347	1.628706248
KCTD12	115207	6255	2.2546196	8.478685686	2.195605034	7.378701959
PHLPP2	23035	7919	1.755052333	0.590918851	1.520802045	0.408998839
DNAJB5	25822	2817	4.933709417	1.740262359	9.375433145	2.586950325
ZNF408	79797	2507	5.543781183	5.24416769	5.056675581	6.055909342
EEPD1	80820	4687	2.965278307	1.331195898	4.688204647	2.548176427
MCM3AP	114044	2314	6.006162242	5.777856994	4.200129223	1.312200927
PIGL	9487	1163	11.95035204	8.047268065	9.991970658	7.136357164
RPL39L	116832	735	18.9091965	3.638084649	12.07341493	4.682028123
PANX1	24145	2782	4.995779808	6.167547349	6.835236708	8.440599606
AP3M2	10947	3683	3.773624607	1.875594143	3.040481225	1.044297691
UBOX5	22888	4346	3.197942804	4.870939956	3.500345793	4.611241931
C9orf102	375748	4666	2.978623966	2.626617587	2.762188265	2.993482971
ZIC5	85416	4607	3.016770008	1.06410225	3.072732583	0.527272923
ARHGEF26	1.01E+08	2598	5.349599471	7.033210219	6.018118684	6.934630024
TMEM141	85014	875	15.88372506	20.88260588	13.76369303	11.33601633
SOX18	54345	1718	8.08979012	0.259409412	2.336676639	-

BZRAP1	9256	7706	1.803563383	3.932681693	1.754765732	1.812560543
SNX8	29886	4745	2.929032545	1.643655209	2.983367547	2.687675104
ZBTB45	84878	2393	5.807881081	6.704535437	5.562448795	4.314196411
NIT1	4817	2139	6.497549989	9.792553701	9.087516618	11.6403694
APOBEC3B	9582	1536	9.048345981	10.30020873	9.216197273	13.70612093
COMMD1	150684	725	19.170013	15.06041593	22.14847154	12.28533789
ARFGAP3	26286	2851	4.874871774	4.29877154	5.706393064	5.893228911
GPR68	8111	2880	4.825784523	0.23211738	2.420971224	0.632590197
C6orf70	55780	2078	6.688286538	7.720862994	6.914034539	5.942329471
NR1D1	9572	2788	4.985028489	2.157992284	4.774368711	0.653464766
DKFZP586I	222161	2760	5.035601242	3.633141599	4.057279838	4.180596083
C1orf109	54955	2376	5.849435786	4.689239999	6.402568526	1.363157326
ZNF444	55311	2059	6.750004578	5.194739615	5.130761568	5.407279001
ARFRP1	10139	2631	5.204816898	9.824626161	6.745693635	7.770929365
C18orf21	83608	1136	12.0544659	8.434687891	11.90336684	8.196943394
ORMDL2	29095	1361	10.0616262	14.08053702	11.64317201	16.36089267
SRD5A1	6715	2285	5.992942345	2.828073461	6.102754595	5.581189657
ZNF252	286101	5454	2.51079451	2.410547928	2.130667744	2.449634205
HLA-B	3106	1578	8.677993193	31.34908493	13.6571899	166.2533627
C19orf25	148223	2276	6.016640272	6.265945441	7.983519102	4.62491251
SDF2	6388	1075	12.73848675	16.37561125	16.70623694	21.46687477
PHLPP1	23239	6401	2.139333426	1.392486704	1.650404322	1.170109034
IGSF3	3321	7253	1.888028851	0.06144566	1.07783485	0.027909674
LMBR1L	55716	2358	5.807410203	8.032560731	6.451443095	20.94683739
C7orf28B	221960	1854	7.386123656	5.648940767	7.521463997	4.039842465
C12orf10	60314	1215	11.27067758	14.67211093	15.65072306	9.829878942
ARHGAP33	115703	4242	3.22816437	2.679035107	1.992312696	0.286320881
ZNF428	126299	1411	9.705083812	5.369462283	8.984468945	4.447409463
FAM133B	257415	2468	5.548571013	4.785304818	4.879753403	2.132556903
DUSP22	56940	1511	9.062788391	3.391893944	7.690709381	7.234386896
PMS2CL	441194	1738	7.879098538	6.923455107	5.956820084	6.638921282
TCTA	6988	2172	6.304729861	7.591905465	6.809361554	6.803548341
C9orf91	203197	4413	3.103075744	3.989073667	4.02173577	14.31176189
ALG12	79087	2387	5.736855157	5.041041046	6.196034058	4.579454797
CCDC142	84865	4339	3.155997525	4.467951964	3.700770192	3.918880961
IMPA2	3613	1537	8.909481626	11.59831801	12.09698048	4.741339666
CCDC127	133957	1437	9.529487306	6.357787108	11.02738838	8.029537361
IL17RE	132014	2790	4.908198301	0.319473383	2.044691239	0.870661776
PSMG4	389362	938	14.599012	9.977582899	15.54226923	3.884562402
LOC150776	150776	3798	3.551734358	3.637605701	4.172289916	3.9441116
RELB	5971	2297	5.872654371	8.924948627	4.691128789	8.372112312
DLEU2L	79469	1657	8.14090953	9.548051066	8.160666703	4.153639916
C17orf56	146705	2308	5.844665117	6.854904947	7.598195491	4.999326338
CARD6	84674	4097	3.292527969	9.68128335	4.692924892	30.88065398
LOC202781	202781	2275	5.929444875	5.387163807	6.036707467	1.42367552
SLC9A3	6550	2777	4.857575474	8.826645777	4.108526148	13.19395902
GPR84	53831	1525	8.845565305	16.65765643	5.403347995	40.48577259
NFAM1	150372	5605	2.406688152	12.7219374	3.769576474	10.90696104
NANOS1	340719	4627	2.91538515	2.407960717	3.424758397	1.137486587
BCL9L	283149	7740	1.74282779	5.614001747	2.074630732	11.42912314
B4GALT6	9331	4814	2.802136911	1.712673314	2.326151299	0.714850575
KLC2	64837	3093	4.361295535	4.250607307	7.719100561	5.301240834
C8orf82	414919	1979	6.816314851	4.95433963	8.007254726	3.37551919
FAM122A	116224	3646	3.699804468	3.667021691	3.303135326	3.553331659
ZNF468	90333	4053	3.328272167	4.233436152	3.232088627	4.195416849
B4GALT4	8702	2366	5.701389303	4.709059272	6.251028443	10.26689077
PRKAR2B	5577	3678	3.667614761	0.424097007	2.355267867	0.44030204
S1PR4	8698	1612	8.368168171	20.04388293	12.18950546	11.42743581
ZNF816	125893	2760	4.887495323	4.198296959	4.057279838	4.840690201
ZNF114	163071	2206	6.114908019	10.00019755	5.938193656	4.129328573
ARHGAP27	201176	3654	3.691704185	18.78283166	4.741475214	33.90434158
C16orf87	388272	1410	9.567012121	6.479531968	10.78900909	10.62392614

ATP5E	514	498	27.08732348	36.24387041	31.81999418	31.29924186
C19orf52	90580	1414	9.539948438	8.982647122	7.321749156	6.012738504
ORAOV1	220064	2544	5.302471341	5.605853704	5.398392095	4.05812579
C9orf30	91283	1895	7.118462845	4.233233061	9.142665135	4.059259521
TCEA3	6920	1586	8.505351255	0.421499404	6.927369225	0.127634844
CDADC1	81602	3417	3.947757416	3.847564647	4.699339146	2.547392774
TTC39C	125488	5253	2.567958708	1.739223315	3.016629945	2.504830781
CCDC28A	25901	1504	8.969073864	6.519041309	8.569395241	10.90208637
LOC147804	147804	2939	4.589822079	8.64339097	5.894981433	6.681047876
ZNF765	91661	4577	2.94723336	2.921118874	3.27752197	3.626647752
CMC1	152100	640	21.07732358	21.9350924	19.47781394	22.14065689
DAPK3	1613	2105	6.408307407	8.045265577	6.825350961	9.520407331
ALG10	84920	3143	4.291914442	4.182987082	4.974569628	1.996593939
PLEKHM3	389072	9807	1.375495778	1.658691342	1.874352426	2.621440358
LAGE3	8270	1816	7.428131658	6.257966367	8.609621333	4.347315889
CCDC85C	317762	5671	2.378678732	1.100214278	2.421708603	0.678213436
ERO1LB	56605	5070	2.660648341	1.582243915	2.208696716	2.754949022
METTL1	4234	1311	10.28946384	5.269117641	9.508620077	2.933751637
SPCS2	9789	2731	4.864555446	4.650846954	5.647670296	5.11446047
MILR1	284021	1488	8.928159222	8.236423159	12.77932024	31.69753029
WDR45	11152	1925	6.901351129	6.250890897	8.451390454	12.93441566
FBXO8	26269	2564	5.181396616	3.910870052	5.603496011	5.921281093
C7orf64	84060	1734	7.661534558	9.124060333	9.747855195	14.70936374
CENPBD1	92806	3061	4.34011791	4.003854185	5.107831539	3.901765081
GLTPD1	80772	2193	6.057957557	6.807929721	6.166085147	4.338420683
GPR132	29933	3652	3.637760384	10.55587472	5.264762674	11.08591802
MFSD8	256471	4562	2.912122079	3.370332145	3.01041418	3.904809281
ARSA	410	4325	3.071699635	6.388728996	3.663897596	8.284371964
PITPNM2	57605	6754	1.966997472	7.819269512	2.408783924	12.22845367
KLHL36	79786	2211	6.008639042	6.853289264	7.453736493	7.599093453
CXorf40A	91966	2085	6.371751042	6.30557717	5.776130167	3.786439163
LINC00476	1E+08	8030	1.65443349	2.275501887	1.499779751	1.840262391
RAPGEFL1	51195	3727	3.564556191	3.228592695	3.968321249	2.878650318
S100B	6285	1135	11.70493473	19.24017895	15.63693388	45.83631522
ZBTB8OS	339487	717	18.52873211	17.40394748	23.86898978	14.96336086
RABGAP1L	9910	2940	4.51874181	4.09284523	4.455665036	15.56085817
KLF9	687	5208	2.550902635	0.470652752	1.98789426	0.310950634
MTG1	92170	1614	8.23116538	11.87336486	13.61438363	13.16916395
FBXO3	26273	2408	5.51706849	6.477694324	5.264570466	3.698866267
C1orf159	54991	2122	6.260650765	4.830491752	5.974121433	1.812511026
MOSPD3	64598	1213	10.95226787	14.32889481	8.534998604	15.52010244
FANCB	2187	3008	4.416589403	4.222560848	4.495420454	1.682420736
PTX4	390667	1422	9.342546359	9.402222985	9.063551648	3.985941043
C19orf12	83636	4702	2.781946992	1.990423811	2.741040077	2.410892455
WDR54	84058	1223	10.69559669	6.194857957	9.501767682	3.310365707
MANBAL	63905	1385	9.44455939	7.240051129	9.30568263	6.577111071
ZNRD1	30834	859	15.22784023	16.60220236	18.93937907	12.96110298
SOCS6	9306	5846	2.237549565	1.524684808	1.662521215	2.56239067
C18orf54	162681	5023	2.604163797	1.996311131	2.860315304	1.370213287
CYB5RL	606495	3551	3.683670728	1.631554436	3.62950449	1.140123137
LOC28646	286467	2951	4.432638006	3.322479881	3.007102669	1.303337308
CHIC2	26511	1178	11.10417212	10.59306481	11.1202506	23.02671276
KIRREL3	84623	3794	3.447737152	0.528596247	2.338945698	0.106709996
MED27	9442	1404	9.316748401	6.189796798	9.480726471	7.497365295
ZNF248	57209	4883	2.678827515	2.144815929	2.250011794	1.036395981
PRMT10	90826	2842	4.602644178	5.331675778	5.352745538	3.418925201
WDR91	29062	4619	2.831936513	2.942800123	2.790294532	1.840660802
EPB41L4A	64097	4707	2.778991875	1.846287382	2.558579009	0.731100631
RFX2	5990	4114	3.179561195	2.329072787	2.97873509	0.984097535
NEU1	4758	2088	6.264710132	16.00809517	15.98802313	66.89459552
MFSD5	84975	2054	6.368410299	8.678975063	6.9948217	9.165474321
LINC00294	283267	3322	3.937602274	3.55512712	3.943303794	2.985856197

ATP1A3	478	3587	3.646700517	0.745467582	0.942446663	0.169302088
MECR	51102	2434	5.374163827	5.218349643	3.993056295	2.162346112
CELSR2	1952	10540	1.241054531	0.253699451	1.26289753	0.192057745
LOC14841	148413	1766	7.406973247	7.066042098	6.580216237	5.38740462
MMP25	64386	3565	3.6692047	2.437720815	5.393243558	8.744472621
FBF1	85302	3862	3.387031267	2.596445058	2.188345535	0.786233284
C7orf25	79020	1844	7.093663099	7.733889275	5.843559018	4.281304585
FAM195A	84331	928	14.0955978	22.09117133	11.61155477	17.6688986
ELMOD3	84173	2789	4.69010927	4.793818962	4.242361648	6.387142323
PPARA	5465	10049	1.301693179	2.749651996	1.976392434	4.653305537
VSIG10	54621	5003	2.573721484	2.18245084	1.604801306	0.728306922
TM2D1	83941	1250	10.30106287	14.79609027	14.53639158	14.73682122
C11orf1	64776	984	13.08569978	12.00216696	18.46594459	6.583052454
ZFP161	7541	3540	3.637380957	2.706724702	3.163302924	3.145081204
ZNF397	84307	2644	4.870018376	4.46676713	4.235284551	3.215587082
GTPBP8	29083	1364	9.440123597	9.965391326	11.46266301	8.310862409
INPP4B	8821	4140	3.110224296	3.660053759	0.867594431	0.929021352
PSMC3IP	29893	1354	9.50984386	5.101782295	7.802243773	3.139590932
RBM43	375287	3914	3.289813129	4.269916034	3.778725931	12.2574452
ZSWIM1	90204	2787	4.620139428	6.796117045	5.306757551	6.173826104
MTFP1	51537	1298	9.920129882	10.81545388	20.67270007	9.669175272
ZNF48	197407	3357	3.835665352	2.323248128	3.713375311	1.025108928
RG9MTD3	158234	2293	5.615494368	8.260260882	7.187183335	6.356248641
FIBCD1	84929	3257	3.953432173	4.994407733	3.632774528	3.045444975
KIN	22944	1906	6.755681315	5.845558362	5.431769836	7.115809978
GPATCH1	55094	3390	3.798327017	3.089420703	4.612115735	2.089973511
CEP89	84902	2609	4.935350167	3.501778488	2.996372622	1.241418861
TMEM68	137695	2317	5.557327832	5.481857156	6.018469681	2.795737425
MRPS33	51650	748	17.21434303	16.68266089	18.92523932	9.742565597
TMEM218	219854	2104	6.119928036	6.1427261	5.924810323	2.597708793
PELI1	57162	3780	3.406436134	3.301224959	4.080367084	17.88657149
TMEM5	10329	1451	8.874106538	7.525018299	8.299952721	3.627257365
CBWD2	150472	1827	7.047798898	8.659617196	7.863910111	8.309887642
LOC100129	1E+08	1700	7.574310933	4.456653695	5.344261611	2.500591837
LOC440335	440335	482	26.71437466	-	17.53400509	-
CMTM4	146223	8133	1.58322004	1.369929207	1.065126671	0.622245367
THAP2	83591	4840	2.660398468	1.795552625	1.484231795	1.463845083
PIGP	51227	970	13.27456555	22.97244173	15.02953457	8.347581978
L3MBTL3	84456	4217	3.053433386	4.015955428	4.008247785	4.704298926
SLC27A3	11000	2430	5.298900653	5.777143678	4.521319996	20.49279847
C1orf198	84886	3836	3.356707139	1.684605802	3.194607966	0.263854097
ZBTB26	57684	1935	6.654433378	5.6427915	4.695216919	4.184575978
PTPLB	201562	1187	10.84779156	7.884560033	13.34992174	3.069687897
RPP38	10557	1670	7.710376399	7.739099231	7.338033628	7.27289328
SURF1	6834	1037	12.41690317	21.70308694	16.50343845	13.66443627
RAB6B	51560	5561	2.315469985	0.440776755	1.215808733	0.072803044
HYAL2	8692	2413	5.336232319	4.06325658	6.391955068	2.936183259
RAB33B	83452	3876	3.269334989	2.242124537	3.216150908	3.760288476
ETV3	2117	2002	6.329641568	6.010472016	6.226673786	7.68461218
APOL2	23780	2686	4.717774542	8.047196731	4.090397465	31.50233236
C19orf66	55337	2139	5.924236755	4.271220231	6.618082754	92.55513229
ZSWIM4	65249	4339	2.920475321	1.848807709	3.505992814	4.851947856
METRNL	284207	1348	9.400550756	8.265307298	12.53915498	39.19431249
MRPL54	116541	628	20.17825226	20.93491783	26.91525622	18.37332036
FAS	355	2755	4.599616123	2.911788258	4.984939923	6.025105903
ABHD14A	25864	1118	11.33447444	12.95538865	9.827198203	5.069774743
SRRD	402055	1310	9.673238488	6.974152729	12.0964558	3.70862039
ATPAF2	91647	1552	8.164911352	10.76833206	10.89096708	8.217151009
C8orf38	137682	1808	7.008817709	6.162408317	6.544218272	2.463183067
KIAA1456	57604	9603	1.319581633	1.809949954	1.232109407	1.075067376
PGBD5	79605	3181	3.983634838	0.280204571	5.047985496	0.254547454
CDK5	1020	1211	10.46403172	18.58472433	12.56193461	10.53098131

CAMSAP2	23271	7359	1.72196527	1.332332943	1.004887437	3.025842496
C12orf62	84987	643	19.70753098	18.7137869	19.71552983	16.68542727
CERS1	10715	2137	5.834139565	1.251283209	5.536708768	0.09472572
JDP2	122953	4007	3.111444036	2.669320905	3.321921629	3.536316548
C17orf42	79736	1357	9.18758751	7.55365033	11.83319224	6.861995354
XAF1	54739	3638	3.427035803	4.655108312	3.484630479	178.3354881
CXorf26	51260	1214	10.26981569	11.93090981	11.83473128	13.00613782
ENTPD5	957	2064	6.04048268	5.182155459	4.401765862	8.140307958
C5orf32	84418	926	13.46388364	14.19776285	9.126771549	55.7444493
C9orf156	51531	1646	7.574457017	5.821266977	7.573390596	8.485778581
C1orf122	127687	1359	9.17406641	11.80570515	7.773537946	21.89627877
DOCK6	57572	6405	1.946534934	1.252455371	1.913273405	0.979749376
SMA5	11042	1759	7.087865975	5.447302697	6.60640243	4.718353258
DND1	373863	1681	7.416749703	8.616373889	5.907426403	9.75415699
PRRG4	79056	2015	6.187372829	8.183433584	7.444773229	8.237799882
MAPT	4137	6816	1.829160248	0.686544363	1.487920855	0.564282335
LOC15221	152217	1391	8.963016715	8.650585892	8.354178199	4.074772223
TRIM36	55521	4456	2.79792555	2.30033741	1.84921582	1.453708172
PRUNE2	158471	12602	0.989331555	1.184715908	0.922128382	1.204742479
IFIT5	24138	4034	3.090618803	5.247671059	2.042663781	50.98357084
ZNF660	285349	2205	5.654220522	4.042316276	4.503575412	2.019698406
RTN4IP1	84816	2636	4.729725437	5.156598547	3.045834951	2.534200485
PARS2	25973	2403	5.188329692	4.08016568	5.715151681	2.948402082
SESN2	83667	3547	3.514958063	3.015497284	3.335761668	6.163607894
TMCC1	23023	6095	2.045538351	1.901115604	2.461233479	1.992736961
CYP4V2	285440	4713	2.645354604	4.680762951	2.107019687	4.123312294
TXNDC17	84817	2075	6.008460844	4.725126809	6.313086845	5.755808633
PIP5K1C	23396	5082	2.453277499	1.841592436	3.159709143	2.429783676
RTN4R	65078	1924	6.480018841	2.547982882	2.525753384	1.157337574
MOSC2	54996	1618	7.705535384	4.407074111	6.529195345	1.000884366
C21orf91	54149	5451	2.24971016	2.861546126	2.635729916	9.246888071
DNASE2	1777	2011	6.098045789	2.216138088	8.72035564	11.77731326
FBXO43	286151	3349	3.661740843	2.861094489	3.911512453	0.785779402
C5orf41	153222	7782	1.575837842	1.746696706	1.35752224	7.725696774
CAMK1	8536	1500	8.175446722	4.605208818	9.437386007	13.0903998
TBC1D7	51256	1322	9.276225479	7.922190759	11.50718821	8.728022079
DNAJC30	84277	2534	4.839451493	5.540039123	4.752656432	3.994255386
SLC16A6	9120	3955	3.100675116	4.225651417	4.754574908	10.08305588
DNAJC17	55192	1031	11.89444237	10.80662875	12.91070802	7.461005618
SSH3	54961	2894	4.237446469	4.696887964	3.650393251	5.805665385
SFR1	119392	1518	8.078504666	9.394790398	9.743039061	5.60079858
SIK1	150094	4706	2.605858496	5.492688362	1.840772464	7.52763515
FAM104B	90736	1405	8.728234934	5.868191698	9.022836784	2.017084755
CRNDE	643911	1048	11.70149817	7.441931265	8.669126659	1.352101184
GEMIN7	79760	1647	7.445762042	6.764805244	8.979923069	3.687228833
CSF2RA	1438	1983	6.184150319	9.32683451	7.991102926	10.0040487
PPP2R3B	28227	2443	5.019717594	4.651848924	7.61074867	2.817266206
CLCN2	1181	3255	3.767486969	0.958420149	2.466611653	0.435330888
ACPP	55	3223	3.804892983	5.323647758	3.998873858	5.21302998
NMT2	9397	5004	2.450673478	1.024210981	2.533390424	1.254055706
LOC10028	1E+08	1371	8.944690068	18.69129011	10.63358755	23.18113164
NBPF11	200030	5467	2.243126044	2.567854242	1.855070156	1.888398026
CYHR1	50626	1670	7.343215618	5.73760805	6.705444522	7.87896772
HOXB9	3219	2711	4.523485829	0.821957524	4.520293677	0.074669444
ZFAND2B	130617	1319	9.297323793	8.278090639	9.611133951	6.752744481
TFAP2A	7020	3808	3.220370295	2.984366314	3.218097731	0.744223761
TMEM106	113277	2795	4.387538491	5.182155459	4.611223772	30.56349917
OASL	8638	1826	6.715865325	5.61352875	5.091199069	375.9234799
C19orf60	55049	900	13.62574454	16.09347168	12.20756399	9.896522189
TBC1D22B	55633	3477	3.526939914	4.422046375	3.949815786	5.123307432
AP4M1	9179	1886	6.502211072	5.671245423	4.481119011	3.005306555
IQSEC3	440073	6976	1.757908555	0.862454485	1.726380648	0.696429574

ZRSR2	8233	1512	8.110562224	12.23221748	8.943270322	17.13683496
C22orf32	91689	1585	7.737015825	11.52825246	7.198345182	6.641199289
HUNK	30811	7385	1.632875276	0.452605318	1.201619496	0.356340585
TCTN1	79600	2040	5.911168586	4.478500036	4.557122304	1.389217687
ATP9B	374868	4378	2.754404732	3.308388421	2.219986072	3.514068886
FAM83G	644815	2930	4.115625909	2.205511214	2.884433602	3.868947551
BTBD11	121551	5760	2.093538874	0.34817607	0.623583497	-
TAMM41	132001	1270	9.495105445	8.071105117	8.318297691	4.462998553
ZMYM6NB	1.01E+08	925	13.03652315	13.49041118	13.70495749	18.60157119
ZFP30	22835	4611	2.615220975	2.319663602	2.016163414	1.273137503
ZBTB9	221504	2730	4.417136965	3.264947762	5.185376927	2.891840899
ZNF264	9422	12172	0.990698646	1.409638246	0.972062655	1.480132172
ZSCAN30	1E+08	4346	2.774685668	2.666198713	2.382179776	2.934426683
UGT8	7368	2906	4.149615938	3.680649989	3.199081039	3.064993107
MMP17	4326	2429	4.964505523	3.66953783	7.306677626	4.250256077
SIRT7	51547	1749	6.894673479	15.28869192	9.664254379	14.5832114
NETO2	81831	3692	3.266192826	4.707732776	5.207722991	15.51662194
DPY19L2P2	349152	4361	2.76514192	2.963608281	2.1801913	3.388513413
ACTA2	59	1798	6.706776371	6.816350201	5.523016565	7.318062343
WDSUB1	151525	1944	6.203078145	5.502041599	6.086392303	6.039544265
FAM125A	93343	1216	9.916763088	13.37729111	9.903973189	12.81827504
RIT1	6016	3425	3.520812822	6.115699961	3.207827034	19.7405081
ACTR5	79913	2479	4.86437431	3.056196564	3.323963571	1.224862019
GRAMD1B	57476	2761	4.367542164	7.344358679	3.290563107	3.372592429
KRT10	3858	2162	5.577605881	5.359528033	4.984053113	1.872607428
LINC00461	645323	3562	3.385396944	2.627448837	3.143765399	1.534413054
GNPTG	84572	1255	9.608592761	11.18602322	6.734175661	11.12955502
ING4	51147	1461	8.253787758	8.846198299	7.66467649	14.13261056
C16orf52	730094	4445	2.71288727	3.057996349	2.186523965	2.9146113
EFHC1	114327	6853	1.759635767	1.105546663	1.202408535	0.531696999
MAP1A	4130	10275	1.173604274	0.108434396	0.822519752	0.039402212
HOXA11	3207	2653	4.545338829	1.343883511	3.98199701	1.449735543
FAM57A	79850	2096	5.7532366	2.126266076	3.931348136	1.93157312
H3F3AP4	440926	1059	11.19395443	10.52090107	11.37226761	9.366396869
ZNF767	79970	3583	3.308511791	5.59724857	2.77152771	3.276827812
PILRA	29992	1323	8.960240171	22.40116937	19.00444943	108.635293
LOC64284	642846	3514	3.373476877	2.599926031	2.284809599	0.691276709
TMEM120	83862	1497	7.91876937	15.77839985	7.480355613	27.45027333
WRB	7485	1580	7.502783384	8.320967342	10.16306447	4.099825073
PDE4DIP	9659	8380	1.414605936	1.356141637	1.235435955	2.246525567
ZNF212	7988	2814	4.21265023	3.800983961	3.979421589	3.812626061
RECK	8434	4427	2.67774966	3.372439548	2.434046268	2.835010053
IFT88	8100	3171	3.73837835	4.07577916	4.930644068	1.787451329
CABLES2	81928	3785	3.13194128	5.887257193	3.293474484	2.727575168
KLHL26	55295	3122	3.797052449	3.92562385	2.842395893	2.658418764
PPCDC	60490	2268	5.226806767	8.940817598	5.962180215	13.12038927
EXOSC4	54512	948	12.50463897	21.86016844	13.37245325	19.64499514
GPATCH3	63906	2145	5.526525756	4.882580971	6.698071689	6.228580399
TMEM44	93109	2503	4.736075808	3.561049696	4.642693518	2.426234874
ANKMY1	51281	3252	3.64526376	4.042782411	2.793740695	3.485859879
ZNF548	147694	4565	2.596801259	2.294224794	2.86958493	2.616276652
CDON	50937	8051	1.472413085	0.525875172	0.971001884	0.226289873
SNRNP35	11066	967	12.25894286	17.2827832	12.45422068	17.37496962
ERMAP	114625	3485	3.401548851	6.266170188	3.637614256	4.472603285
NICN1	84276	3227	3.673504105	4.074102386	4.386761392	4.014703201
GPATCH2	55105	2336	5.07465657	5.914223653	5.33638738	4.939402906
ZNF780A	284323	4255	2.78599242	3.561133387	2.631749084	5.090455543
RSC1A1	6248	1854	6.393957792	3.245136186	7.863348724	4.585767122
C10orf57	80195	2100	5.644951308	7.53386696	5.634260303	3.181024989
AMN1	196394	2124	5.581166547	1.888412583	4.675321932	2.573248258
GTDC1	79712	2707	4.379164295	5.103666958	5.307485694	4.412006987
VASH1	22846	6030	1.965903441	2.660688773	1.471635154	2.081358127

ZNF500	26048	3252	3.64526376	3.289043317	3.638359974	1.929672433
ZNF783	1E+08	4455	2.660919808	2.951095039	2.608453844	1.772104524
IFT140	9742	5277	2.246427468	1.857994718	1.401358091	0.61376953
CRIPT	9419	1918	6.180603622	8.132579735	7.931440468	8.971039286
HBEGF	1839	2381	4.978747479	20.776504	1.686018675	126.2523568
FARS2	10667	1841	6.439107956	3.631168138	6.656445496	3.078765977
ADCY3	109	4410	2.688072051	3.132795114	2.970443357	7.941086914
UBXN11	91544	1869	6.342641919	5.722829785	4.29578434	5.632049692
BAI1	575	5535	2.141715943	0.925953342	2.595729679	0.146290055
PITPNC1	26207	2124	5.484939538	12.27468179	11.04171775	36.88322503
LOC729513	729513	1891	6.160767625	4.949218804	5.139661038	3.639651687
LOC550117	550112	2301	5.063021112	4.938925216	4.866619884	5.542380863
SCAMP5	192683	3516	3.313427639	3.168837951	2.463787035	10.42082599
WDR53	348793	1584	7.354805289	4.360993199	5.735634305	3.450491982
CTSL1	1514	1730	6.734110739	8.758741366	8.67122431	73.83388007
TOM1L2	146691	5825	2.000001988	3.022108514	2.031235474	3.023401043
NUDT13	25961	2120	5.49528848	4.729939063	5.381781657	3.341985945
SENP3	26168	2509	4.643288792	3.374907142	5.052644752	2.017027331
MT1X	4501	468	24.89318713	8.094349659	31.60242157	21.19447497
SLC22A4	6583	2214	5.261974516	5.938179042	2.576643431	5.394445761
TRDMT1	1787	7687	1.515547233	0.753694524	1.374299215	0.553012374
NBPF3	84224	3783	3.079569542	2.002725689	3.574471247	1.123712959
FLYWCH2	114984	1044	11.15901492	10.67206345	13.35708261	8.337587267
PACSIN3	29763	2046	5.694042805	0.653468284	7.022171932	0.197877676
PPP3CC	5533	2221	5.245390175	6.421112933	7.610437149	6.015445725
SLC15A2	6565	5523	2.109362951	4.478440704	1.759749959	3.335329808
S100P	6286	510	22.84315996	49.80965894	18.64277306	55.96562682
MRM1	79922	1851	6.293901447	6.621176478	6.163899035	2.515323527
PTPLAD2	401494	1416	8.227409307	17.46781639	5.520858877	21.87261019
PWWP2B	170394	2626	4.436409588	5.345947882	4.827526916	3.237628425
ZNF45	7596	3903	2.98488639	3.140096762	3.031500547	3.371221136
LOC100130	1E+08	5223	2.230521076	2.389169126	1.294488295	0.968930035
CD38	952	1494	7.797865849	128.1213361	11.03093132	141.4563139
PGBD1	84547	3155	3.692555175	2.471994918	2.678729146	1.475709619
CERKL	375298	3304	3.52603256	2.495402341	3.772942167	2.511980442
CITED4	163732	1312	8.879581996	1.019051912	6.441608578	1.697193211
PAX3	5077	3359	3.468297582	7.628984443	1.94993379	15.06615533
P2RX7	5027	3903	2.98488639	0.399648679	3.139768424	3.423086076
PPAPDC1B	84513	2151	5.416090924	6.008505679	5.598898837	6.211206395
C9orf46	55848	1020	11.42157998	12.67087815	10.77137999	11.90758017
CD37	951	1263	9.224078843	36.16840885	23.42032192	122.6113065
ZNF81	347344	7859	1.482378366	1.899706054	2.043216931	2.137879581
C9orf89	84270	922	12.6355874	12.08420199	11.22879968	38.42196423
LIN52	91750	1798	6.479428019	5.453080161	6.22808251	4.616008555
LOC155060	155060	3154	3.693725928	4.30969999	4.756251762	3.080718269
INPP1	3628	2179	5.346494529	10.02184631	4.55731243	11.51958651
C10orf11	83938	896	13.00224507	21.88535297	13.67691536	18.07400562
AKTIP	64400	2222	5.243029513	3.409681045	4.183856661	5.192819617
ZSCAN2	54993	3765	3.094292584	2.663338861	4.040505397	1.559213021
KLHL22	84861	2637	4.417903519	7.689713429	3.765788314	5.83412726
TIMM22	29928	1691	6.768554353	7.90654115	9.121104423	3.830705863
OBSCN	84033	24030	0.476305677	0.064911727	0.466004675	0.101088071
PXMP2	5827	977	11.71507207	11.17584601	11.0291943	3.729497987
ZDHHC23	254887	3778	3.029546165	3.538899175	2.964026562	2.303981235
C5orf28	64417	2761	4.145463749	3.389704005	4.285384511	2.566102935
PLEKHG4	25894	6818	1.678736493	1.601466933	1.332538096	0.890710749
DHX58	79132	2631	4.350294721	2.540851593	2.489482175	44.70207882
PIGV	55650	2750	4.162045604	4.780773964	4.686680161	4.931903207
SIRT6	51548	1657	6.907438389	6.992938809	6.375520862	5.986128114
ZNF577	84765	3096	3.696907432	2.447128967	3.070999438	1.438447993
PIGQ	9091	2921	3.918392814	5.721482833	5.352643732	3.11855489
PLCD3	113026	3477	3.291810587	2.114891745	4.07134858	2.969189534



PIN4	5303	1605	7.131230785	7.080664749	10.39968607	5.423327793
FAM72A	729533	1881	6.084861994	2.606230231	4.380704781	1.614265255
DNAJB9	4189	2538	4.509702683	2.897351693	3.24669255	4.785552316
SOBP	55084	6248	1.831886269	1.319591763	1.454104472	0.518383772
GLIS2	84662	3705	3.089237628	1.98474456	2.22405012	0.546366702
TTC26	79989	2151	5.321071785	3.833012243	5.598898837	1.223419441
LOC440104	440104	3459	3.308940564	3.543162088	3.726039446	2.399416994
ATP1B1	481	2212	5.174333368	0.60442862	4.489323591	1.189681383
SLC22A23	63027	6159	1.858357755	0.542700158	1.063456341	0.230070148
FBXO46	23403	2990	3.827968365	4.471558891	3.533189989	3.655905886
ZNF250	58500	6382	1.793422972	1.047474231	1.42357329	1.046717718
PIM1	5292	2751	4.160532683	20.08815188	4.070553381	35.76169662
ARSK	153642	3345	3.421711632	1.332332943	3.410875071	1.331370698
BANP	54971	2456	4.660270933	4.536496025	4.731539851	5.192597055
CTNS	1497	4431	2.583079533	1.91100023	2.956365426	4.705523106
TRAF3IP1	26146	4183	2.7362241	1.544859636	2.727558478	1.596976447
TTC18	118491	3714	3.081751591	3.719877882	4.551098791	4.687367317
TMEM194	1E+08	3637	3.146996264	3.492291182	2.962750297	2.393302477
ZNF219	51222	3098	3.694520791	2.445549155	3.614619868	3.463114828
ZNF611	81856	4559	2.510556133	2.590509386	2.734327905	4.129388957
RETN	56729	478	23.94482303	72.25746053	12.81853155	52.93641814
NSMCE2	286053	1225	9.343367682	7.821881995	10.17616402	6.444674004
C10orf32	119032	2450	4.671683841	6.093791787	6.467900858	8.345026595
ZNF385A	25946	2421	4.727643705	22.27406432	16.31980602	92.89486441
TMEM116	89894	1607	7.122355576	5.823878506	6.836843554	8.943652315
NTSR1	4923	4158	2.752675664	8.681792912	1.981747401	4.040787789
ZNF581	51545	1258	9.098271391	6.199637493	6.886069329	7.723835788
OXSM	54995	1537	7.446730911	8.408780556	7.973009863	6.84860174
NBEAL1	65065	9058	1.263593002	0.713418841	1.306242729	1.117403748
GCHFR	2644	713	16.05277056	29.69018941	18.37258794	36.34066544
MYO1C	4641	4973	2.301553471	0.806553052	1.784427906	0.488466993
MLYCD	23417	2211	5.176673637	5.643885276	5.638082732	4.394656455
HACL1	26061	2037	5.518526874	3.609955128	4.875004312	3.378783181
ZNF641	121274	4544	2.47386427	1.863477557	2.836349129	3.964825881
P2RY6	5031	2400	4.683849684	6.406439686	4.225695227	23.27931924
IQCK	124152	2603	4.318570589	1.198485435	2.678600509	0.23330257
UNC5C	8633	9879	1.137892423	0.383455374	0.834103218	0.163926602
S1PR2	9294	3589	3.132136874	1.73845505	4.709607386	6.824712292
HEXDC	284004	2272	4.94772854	9.513543319	5.393713098	16.57208121
LOC284454	284454	1774	6.336662482	5.903684432	10.242666	3.879696359
THTPA	79178	2200	5.109654201	6.786268126	4.225695227	11.3176137
DNM1	1759	3253	3.45565301	1.986519477	2.403177427	4.10707192
SLC4A5	57835	6364	1.766379516	1.295538865	1.659999696	0.827019239
MKS1	54903	2408	4.668288722	4.349309046	6.4052274	2.690084558
C16orf74	404550	899	12.50415934	8.675354801	10.81101115	0.675513447
REC8	9985	2354	4.775377758	5.774338899	4.757048578	13.67297757
LOC650621	650623	5923	1.897896208	3.4235648	2.175986906	2.15313496
NAPRT1	93100	1715	6.55465845	7.665964081	5.174320686	5.075475864
LPAR6	10161	3043	3.694130543	6.151148708	4.652014134	17.76158607
PRKAR1B	5575	2554	4.401424919	6.107395431	5.625436089	1.8229694
REL	5966	2592	4.336897856	7.995154198	5.869021149	19.99297412
ZNF584	201514	2293	4.902415718	4.47025883	4.883598932	0.441406156
DYNLT1	6993	774	14.52356491	22.45600699	16.6516414	137.3063993
PSMB9	5698	1048	10.72637332	40.82430865	8.669126659	151.8216472
SERPINE1	5054	3198	3.515084191	2.508435476	3.501592355	35.89029559
SYNJ2BP	55333	7074	1.589092344	1.575011908	1.403786229	1.860033375
PHACTR1	221692	2150	5.228483369	4.249367476	5.896318922	6.967319004
ZNF696	79943	4686	2.398898686	2.567854242	2.028982984	2.678316155
GNG2	54331	3875	2.900964966	99.88654797	5.61608527	77.73268337
ANKRD36B	84832	1879	5.982564791	6.048146313	5.622266135	7.325791741
SLC40A1	30061	3381	3.32482675	3.888532505	2.374688238	3.532476461
BLZF1	8548	2344	4.79575053	7.985471637	7.120945455	48.70728614

TMEM60	85025	882	12.74516921	13.39017267	15.33132055	27.31183072
ZNF226	7769	2623	4.285642105	6.626362718	3.785887832	6.173964558
LOC91948	91948	1517	7.410177483	6.022504993	4.039062676	7.872974894
LOC100129	1E+08	2502	4.492901376	4.274967573	3.631192941	4.854409184
HEATR7A	727957	5363	2.096072952	5.110650797	2.718375636	5.284363381
ZNF789	285989	1654	6.672825317	7.005622495	8.941918558	6.853697899
FUZ	80199	1762	6.263821268	4.299836141	6.23541861	2.642374488
FSD1L	83856	4310	2.560754774	1.912948802	2.156967401	0.986312325
SIRT3	23410	2919	3.78103908	4.732999813	4.198189845	2.219158484
KIF27	55582	4653	2.371986476	1.867714314	1.907148072	0.957110463
CRYBB2P1	1416	1516	7.280246091	8.231286508	7.665344245	6.676413686
FAHD2A	51011	1313	8.405828693	6.279367354	7.563125502	1.541727821
NAPB	63908	3871	2.851163285	3.223619309	2.67449065	3.137621229
CDH24	64403	3567	3.094155614	1.374353536	6.989515515	2.951023514
SOCS2	8835	2210	4.994051165	6.150585416	4.206574434	2.015128952
NOMO3	408050	4336	2.545399694	2.672347695	2.485129804	3.17462239
ZNF736	728927	2098	5.260654468	4.673326086	3.625477316	3.762976957
BRI3	25798	809	13.64258724	31.12496091	15.1477332	152.3846447
FAM86EP	348926	3428	3.21961875	2.405136912	2.280494799	0.767670717
C17orf51	339263	7912	1.394951096	0.422458325	1.388625833	0.204680347
IKZF4	64375	5506	2.004513817	1.861660643	1.458194866	0.95589365
RAPGEF3	10411	6239	1.769009949	2.78585501	2.099640199	3.666366648
TMEM140	55281	2072	5.326666542	7.743220705	7.036027285	29.79768494
CLYBL	171425	5779	1.90982057	2.082188091	1.645235207	1.366105841
BLOC1S3	388552	2617	4.217368389	5.279184736	3.390890324	8.121906997
DET1	55070	2343	4.710564692	6.752505598	3.697257881	3.023905337
ZBTB47	92999	5524	1.997982092	5.324749165	1.988922446	5.789963857
C20orf7	79133	2409	4.581508126	2.867502377	4.29761449	2.268816646
CDC14B	8555	5589	1.974745585	1.4353152	4.46083411	1.810957801
GORAB	92344	2587	4.266274864	6.546302296	3.266869136	5.790388813
ZNF513	130557	2168	5.090799389	7.29756486	5.360083891	8.496783454
CES3	23491	3912	2.821281461	3.816408455	2.916507442	2.846009065
HRH1	3269	4578	2.410846019	1.168192318	1.661479119	4.819734832
FIZ1	84922	2679	4.119765985	2.91121462	2.28714374	0.906736228
PUS10	150962	3820	2.889228553	3.033324504	2.54426676	4.663282707
SIX5	147912	3352	3.292617266	0.997162969	2.584330315	0.241561889
ZC3H12A	80149	2737	4.032463673	10.90960166	5.017723598	25.4422831
BDH2	56898	2936	3.759146142	2.428694112	3.238356356	2.964727898
EP400NL	347918	1539	7.171444493	7.673900124	7.413500399	8.286561641
GDPD5	81544	3193	3.45657785	3.838333123	3.44090435	8.305098981
SPEG	10290	10650	1.036324232	0.146462797	0.7538799	0.095037025
EPB41L4A	114915	1194	9.24359554	10.82436827	9.201681399	5.255690747
CST3	1471	818	13.49248542	20.70328122	23.24648964	28.21135743
LPHN1	22859	7874	1.401683144	0.962193457	1.073328734	0.719838476
TMEM158	25907	1876	5.883183942	4.751229952	3.37875418	18.66748043
NME7	29922	1646	6.705257032	4.332105657	6.289765071	9.469636967
PPFIA3	8541	4733	2.331893741	1.177016083	2.365960776	1.668017252
MSRA	4482	1716	6.431732561	9.99890252	4.555673759	5.898276893
SLC24A1	9187	5768	1.913462738	2.627015007	1.941416843	2.983088306
SPC24	147841	654	16.87592213	12.6067421	17.44553075	5.571436595
USP18	11274	2037	5.31785317	2.297244173	2.904257888	168.7404071
CBX8	57332	1561	6.939440683	5.852748286	7.30901801	4.149726851
ANO8	57719	4162	2.602707089	1.659734077	2.436729588	2.042770842
ZFP36	7538	1745	6.207717425	7.661868816	16.58797267	35.03353388
HMGCL	3155	1617	6.699113733	8.681792912	5.618580543	13.14473136
CCDC84	338657	1202	9.012035696	9.269246453	6.503773852	6.736401429
SLC17A5	26503	3333	3.250065078	3.677107009	2.789237774	9.717557178
MAR3	115123	4158	2.605210896	2.304426514	1.880119329	1.655262468
PBX3	5090	2911	3.721218449	3.827425021	4.354890306	3.337885751
DYNC2H1	79659	13699	0.790748734	1.447704865	0.508971248	0.354645792
KLHDC7B	113730	3008	3.601219051	2.074240416	5.127588956	33.44652423
AGFG2	3268	4821	2.246933604	1.479080255	1.840688649	1.46961423

RAB15	376267	3411	3.175745209	0.457293695	4.274010124	1.127572089
TNS1	7145	10276	1.054152093	0.845705985	2.385075157	5.338480134
DNAJC27	51277	5008	2.163032529	1.779813776	1.603199068	2.06147604
HSD17B1	3292	2248	4.818713037	6.046616445	3.477551677	5.402905595
FOSB	2354	3776	2.868767719	1.534335223	7.1621953	1.340233468
KCNJ14	3770	3120	3.471944521	2.856829292	3.792290589	1.622026145
ZNF304	57343	4417	2.406176305	1.816159532	2.4395569	1.558202703
ZBTB46	140685	5233	2.030972814	2.171692513	2.301400993	2.669136546
TMEM62	80021	2814	3.776858827	4.909604284	5.180756409	17.9840852
CCDC57	284001	2997	3.546239819	4.907226291	3.806932637	6.349120159
RHOF	54509	2451	4.336222251	4.363920387	4.482581636	2.477709461
FBXL6	26233	1799	5.907771394	2.477294994	5.637392188	1.350275906
LIMK2	3985	3848	2.761975244	5.443417974	3.514091665	8.890456819
BRMS1L	84312	2604	4.081444216	2.823916512	3.407818732	1.63249083
C12orf45	121053	622	17.08694652	8.956297618	12.22870001	9.112553316
FKBP1AP1	2282	1662	6.394753753	6.837826066	5.339326099	5.237329186
P2RX1	5023	2910	3.652261422	11.71594528	5.227664199	10.57360384
TTC5	91875	1881	5.650228994	5.923250525	5.616288181	2.798059775
PHF7	51533	2290	4.641083292	1.946136985	3.598299429	0.26519065
TRAF3IP2	643749	4943	2.150127602	1.262252716	2.222700302	0.696194754
ZNF234	10780	4600	2.310452334	2.131443071	2.434367903	2.156307453
PTRHD1	391356	602	17.65461917	15.54646638	21.05828186	10.76033823
RG9MTD2	93587	3722	2.855475749	3.412537085	2.724790044	1.142129533
AGA	175	2113	5.029853639	6.643851935	5.199624984	4.406875389
ZNF569	148266	4071	2.610680604	1.258941722	2.075998638	0.348072228
PAIP2B	400961	6300	1.686996943	0.707405348	1.140266966	0.739026008
GSDMD	79792	2326	4.569252252	9.005276168	2.63424681	8.963960827
ZNF776	284309	5292	2.008329694	2.694877518	2.954473231	2.830637917
ZNF586	54807	2285	4.651238835	5.656146921	3.698639149	4.606696225
SPINT1	6692	2484	4.278615434	6.997161598	10.63228469	13.77233407
C3	718	5101	2.083528865	6.639985901	2.029592885	90.956078
SLC16A5	9121	1940	5.478392133	6.776870309	4.02965782	6.886755131
FAM118B	79607	2100	5.060990828	3.395545672	6.539766423	5.205313619
DYNC2LI1	51626	1412	7.526969361	9.31099745	10.77372721	4.587622956
BLOC1S1	2647	853	12.45964917	24.81723922	16.10024559	17.32392379
MAR2	51257	1705	6.233478439	13.46144664	6.939558144	32.05618358
PLAG1	5324	7338	1.448362052	2.520456914	1.900353536	4.02761161
RILPL1	353116	2624	4.050335647	0.764288934	2.89872386	1.774338357
LOC10050	1.01E+08	4607	2.262577506	2.998833613	1.972052255	2.109091691
UROC1	131669	3460	3.012628489	0.966037651	2.076208638	0.058505452
ZNF134	7693	2248	4.636874809	5.550992147	4.041478976	4.592469756
LOC73010	730101	3784	2.754676155	1.648867646	1.78676331	0.267479999
SEMA4C	54910	3585	2.907585654	2.672749078	1.768073317	3.387930761
C17orf75	64149	1631	6.390983795	4.371947217	5.829438542	2.854606896
C10orf91	170393	738	14.12424739	13.88930013	19.18167888	6.583052454
PPM1H	57460	6201	1.680969936	2.659187014	4.15686839	2.219829492
TM7SF2	7108	1599	6.518883409	8.500809111	8.192404756	4.684095015
KIF17	57576	3810	2.73587784	5.380736744	5.323710522	13.4421266
PTPRG	5793	6648	1.56794443	1.005562657	1.779775366	1.339781885
MEX3D	399664	2863	3.640829399	1.712301455	2.804338432	1.272692816
SIRPB2	284759	2833	3.679383893	3.696835928	3.206934253	3.715602144
IFI35	3430	1260	8.272773468	16.97772836	6.707452742	193.1107089
RHBDD3	25807	1738	5.997522768	5.384909528	6.443091112	5.241253644
ALKBH4	54784	2138	4.875441801	3.543644191	5.237648434	2.745761004
PMS2P1	5379	1518	6.866728966	5.578156799	7.516058705	2.667046943
C3orf64	285203	4152	2.51052374	3.27379426	2.391710931	6.338090603
PPAN	56342	1745	5.973463937	5.746401612	6.175084716	1.972086344
MYOF	26509	6860	1.519489004	4.547605811	0.954785365	18.11826849
CCZ1	51622	1834	5.683584826	4.860036745	4.953786662	3.200892599
ARL15	54622	2501	4.167810704	5.078553791	3.125764162	5.989498544
TNFRSF21	27242	3662	2.846448545	0.365099975	2.65404124	0.276391129
TEF	7008	4382	2.378752754	0.762777333	1.784010993	0.184782166

PGM2L1	283209	8519	1.223581943	1.098599925	2.008928944	0.974243853
PTCD2	79810	2103	4.956583248	5.615849877	5.324818047	1.155086237
RAD54B	25788	3097	3.365739286	2.590241088	3.956898986	0.784354651
FZD5	7855	6584	1.583185688	0.846114386	0.930628505	0.860876088
CHRM5	1133	3055	3.412011316	1.458806447	2.973893531	8.150163713
LOC10050	1.01E+08	1644	6.340446819	7.183778766	8.096678811	5.417804118
KSR1	8844	4552	2.289915327	11.25912071	3.29552242	14.05261878
SKIL	6498	3526	2.956237825	7.583642135	3.655238356	19.06023327
C12orf66	144577	2620	3.90049939	2.381418005	2.338648122	0.927155098
ADRB2	154	2058	4.965650341	0.97448696	1.847971674	1.868876772
PHYH	5264	1725	5.924236755	3.358637567	6.369163821	4.576652554
CHAC2	494143	1305	7.830887664	5.634849499	9.066625775	1.551179026
HELB	92797	3368	3.034236461	2.514145493	2.509320206	3.846629225
TTLL3	26140	4160	2.45656452	5.570817119	2.895007547	5.887954908
MICA	1.01E+08	2197	4.651483114	5.0712946	3.846786734	7.371101063
UBXN8	7993	1442	7.086899031	7.262923844	7.326101295	4.632560664
ASTE1	28990	2662	3.838958829	2.929806148	3.095456684	1.520878009
PMAIP1	5366	1954	5.229942887	4.903687535	5.514597149	16.05756078
EFCAB4A	283229	1838	5.560015453	5.576878943	8.736475443	3.414197362
DNAJC25	548645	2516	4.0617283	3.454083746	5.206540224	2.494155307
BNIP1	662	1388	7.362614123	6.742775763	9.133347033	2.771000285
CREB3	10488	1868	5.470721843	7.873103422	4.411191485	11.16176279
SEC22A	26984	3429	2.980259085	3.184252421	3.265702057	3.010752992
ZNF133	7692	2718	3.759863283	3.525314733	3.264885937	2.606699854
SLFN12	55106	2405	4.249192683	4.540042226	5.271137498	16.74983107
TRIM9	114088	4946	2.066176385	0.8560091	1.196112681	1.800822881
PJA1	64219	2880	3.548370973	1.31533182	2.934510574	1.405755993
ANKRD42	338699	2562	3.988801094	3.913923034	5.525401644	3.871590275
ATPBD4	89978	2380	4.29382706	4.587731745	4.61630571	1.87119117
RASGRP3	25780	4798	2.129910046	2.647241148	1.58529625	49.44698361
ARHGAP12	94134	4172	2.449498658	10.73570701	3.08925466	17.56453701
DUXA	503835	3346	3.054186612	2.597272775	3.15727378	1.996459198
ZNF551	90233	3711	2.753788306	3.122419727	2.163519518	1.36370832
FAM173B	134145	1865	5.479521931	9.439025252	9.856179216	2.387900796
KCTD1	284252	3438	2.97245736	1.944438785	2.458228753	2.708472279
IFFO2	126917	5835	1.751381046	0.305511821	1.086296974	0.104076536
EFNA3	1944	1782	5.734740966	1.6256032	4.742643353	1.363157326
ATAT1	79969	2875	3.554542053	5.270477413	5.144324624	3.309271847
PRR24	255783	849	12.0368768	12.33584945	11.9454282	17.64397628
AMDHD2	51005	2077	4.920225519	4.07686183	4.679392885	9.356365356
LPAR2	9170	1803	5.667946978	9.022066548	5.976440837	13.58507622
HCG11	493812	5688	1.796643531	2.546435392	2.191596505	1.672671688
C15orf40	123207	1700	6.011357884	6.553902492	7.581394378	5.834714285
KCNN4	3783	2240	4.562191251	0.099478877	1.886471084	0.180740056
C20orf29	55317	1960	5.213932858	8.754141186	6.467900858	5.680401767
MUTYH	4595	1945	5.254143137	6.644882116	6.735041236	5.099750275
THAP9	79725	4038	2.530784646	1.876253413	1.883668006	1.854845946
GMDS	2762	1698	6.018438399	12.33584945	6.594871821	6.080018852
TLR6	10333	5891	1.734732372	1.966949517	3.873494182	10.06818144
HERC2P3	283755	4292	2.381013141	1.92097142	2.215240974	1.697912178
CLEC4GP1	440508	1935	5.281296332	4.836678429	4.040070372	2.615359986
COL18A1	80781	5910	1.729155398	2.073739029	2.359525254	1.575588443
PIK3R3	8503	5693	1.79506559	5.910369822	2.301010926	6.827040521
BTBD6	90135	2001	5.107100651	3.452180523	5.279479294	3.338407035
PNPLA4	8228	2847	3.589500668	4.14827267	3.265377415	1.706460383
KLF4	9314	2949	3.465347034	0.075562118	4.012189432	0.617789002
PERP	64065	4319	2.366128364	2.218524067	2.592751181	0.93738765
CCS	9973	1068	9.568640826	8.763083108	15.62874171	9.477006693
CAB39L	81617	3691	2.768709944	2.354504119	2.976647952	1.809848951
SRGAP3	9901	8901	1.148107898	0.500691349	0.498481068	0.090969043
FZD7	8324	3851	2.600603021	1.446589748	2.743245408	3.837264865
GSTZ1	2954	1485	6.744055377	6.602449918	5.122054821	3.544209048

MGC12982	84793	2527	3.963166693	4.409036105	2.675549016	1.041383149
ZNF567	163081	2702	3.706484913	3.381250953	3.518806166	2.172626582
ZGPAT	84619	2028	4.938324573	11.53719522	6.35521225	14.67309805
ANKHD1	54882	8233	1.216436564	1.678079249	1.283157788	2.212874732
CG030	116828	4890	2.048041357	1.230364517	1.641885671	1.780049306
C11orf80	79703	2323	4.311201995	2.398113267	4.274810066	1.219975928
MOSPD1	56180	2358	4.247210447	4.252532152	5.555409332	4.721623182
ST20	400410	1025	9.770655838	18.69620574	9.275916352	27.64882031
DOLK	22845	2267	4.417698383	3.341998801	3.541606057	4.196804834
SPSB3	90864	1553	6.448758683	7.89169199	5.714075967	6.126308151
MST1	4485	2348	4.265299078	1.992966942	2.60956477	1.293199721
MAN1C1	57134	3201	3.128685484	2.506084552	4.092363388	1.328024406
ABCA3	21	6623	1.512142871	0.504679189	1.180361795	0.122258108
METTL4	64863	3691	2.713335745	2.535619821	2.346972424	2.029224581
SIGIRR	59307	1761	5.687065437	9.363781187	7.318779354	4.712994538
FAM86B1	85002	2458	4.074419135	1.450497541	2.750655966	0.164710222
PMVK	10654	1307	7.662526575	8.695077982	11.31593978	6.195221514
ZNF619	285267	4201	2.38393769	1.591283157	2.715871724	2.987524281
WT1-AS	51352	2354	4.254427457	0.378645174	5.026315478	0.859935696
EXOG	9941	3146	3.183382783	4.887303003	3.223670866	3.088552264
PVRL2	5819	2869	3.490736227	3.417440965	3.093049835	8.678546582
C1orf21	81563	10308	0.971567931	0.410731569	0.676406396	0.03927607
CDK14	5218	4953	2.021991164	3.104271199	1.109106359	2.166107356
KPNA5	3841	2172	4.610921839	4.308919318	4.085616932	10.15872286
ZNF324	25799	3231	3.099635479	2.551782524	2.484933746	1.503649864
LOC100506	1.01E+08	2490	4.022057122	4.922007093	3.47898603	0.894264053
C3orf62	375341	3590	2.789671932	4.282856615	3.943197496	8.683577965
NBPF9	400818	2931	3.41689602	2.812968043	2.667190778	2.279137659
BNC2	54796	12926	0.774788971	1.017107257	0.784594503	0.673405625
OSCAR	126014	1946	5.04138544	10.19121734	6.623006394	17.1638039
TPK1	27010	2449	4.005935511	3.275613169	3.796051245	2.810363961
NEO1	4756	7088	1.384104975	0.911702576	0.864455147	0.885340682
DMC1	11144	2269	4.323726781	2.65160092	3.631602333	1.249010172
MON1A	84315	2244	4.371896643	3.475554352	5.461014331	2.706268221
PYROXD2	84795	2083	4.709810881	3.958141784	4.564481162	2.235172275
ARSG	22901	2770	3.541709771	5.71159589	5.796982622	4.969372809
LSM11	134353	2561	3.830744266	4.089471372	4.620049448	1.02755768
NPIPL3	23117	3638	2.69668391	2.572559857	2.323086986	2.7821449
MCART1	92014	3723	2.635115785	2.573678604	2.497053317	5.219761172
CHST4	10164	2197	4.46542379	0.304277676	2.500411377	-
ZC3H12D	340152	4907	1.999294083	2.225148064	1.937602254	2.805209432
CASP6	839	1661	5.906403411	7.110254239	6.741777455	5.118610623
MGAM	8972	6513	1.50630064	10.50355201	0.875892608	7.956669571
STBD1	8987	2468	3.975095651	5.68819252	4.708533985	4.675220903
RRAGB	10325	2227	4.405269899	3.702204461	3.88984069	4.45398037
TRMT61A	115708	3257	3.012138798	3.010327949	3.762516475	2.299621716
UGCG	7357	1637	5.992996986	3.130819639	5.420867426	3.338777825
FAM89A	375061	1516	6.471329859	2.057821627	7.944084035	3.471735117
SFXN3	81855	3129	3.135358283	3.062258052	6.752469203	6.792914864
OGFOD2	79676	2080	4.716603878	4.606637233	4.672643761	3.698219612
DGCR14	8220	5405	1.815085304	2.679764016	2.228164921	2.659102548
LTK	4058	3143	3.121392321	0.354490431	3.361195695	0.515250049
TNFAIP8L2	79626	1199	8.182265276	17.46978513	8.634656636	17.05197261
EML2	24139	2910	3.371318236	4.288189122	3.12207723	5.147675553
EFCAB7	84455	2376	4.129013496	2.625974399	3.645907077	2.044735989
SFT2D3	84826	2824	3.473985859	5.207846031	3.067519552	3.082309174
PRAM1	84106	2235	4.389501596	368.1973623	6.144746975	405.5823035
COMTD1	118881	1041	9.424146077	14.76988977	11.56890624	3.500210887
LDLRAD3	143458	2969	3.304323363	1.050743545	4.412143888	0.340904114
PCBP4	57060	2188	4.483791621	3.258978936	2.896957423	1.202730904
FAM50B	26240	1618	6.063372105	2.754421319	4.439852835	3.127763643
ACTR3B	57180	2199	4.461362468	4.762681302	5.572767694	2.117264142

TSPAN17	26262	2605	3.687581535	5.645664949	3.24429576	4.429345562
ZNF782	158431	3313	2.899532115	2.555883495	2.614752555	3.60498126
SLC15A3	51296	2134	4.501476053	4.698908535	4.950439582	69.24698686
LYSMD1	388695	2649	3.626330652	3.364781952	3.270168069	2.674598038
LOC146880	146880	2891	3.32277755	5.164230328	4.23885028	9.452748703
OCLN	1.01E+08	6451	1.489094698	0.898101039	1.113576482	0.910004189
MGC57346	401884	2608	3.683339685	4.699308919	2.997521538	4.88996103
WDR24	84219	3165	3.035118451	3.309047767	4.138911597	1.471047029
B4GALT7	11285	1747	5.498654779	7.27044249	5.684249447	4.866635515
ABHD3	171586	2085	4.607266138	5.343709466	9.120205526	17.37878488
TYRO3	7301	4001	2.40093724	0.22277699	1.848279592	0.101189134
TMEM208	29100	808	11.88879938	12.41023616	15.16648039	11.27388469
MSI2	124540	2151	4.465899534	4.247391945	4.714862178	3.8584767
NBPF1	55672	4568	2.102922482	3.121999086	3.746511749	2.570243882
CAMK2D	817	5872	1.63592471	1.745623893	1.187397331	2.895780737
SUZ12P	440423	728	13.19526085	14.08008722	9.867694899	4.727047624
ZNF669	79862	1998	4.807882832	7.249311566	4.547169539	4.052629889
ALDH4A1	8659	3399	2.826169432	1.83563259	2.36211266	0.595554172
TJP2	9414	4725	2.033047597	2.122216045	2.235817581	1.113894272
SHC3	53358	9768	0.983430579	0.20531267	0.757060468	0.269407782
MAP3K8	1326	3096	3.102761595	4.390437264	4.572376942	16.14984792
C17orf97	400566	1839	5.223572538	5.573846383	3.906297926	3.082114281
NFKBIZ	64332	3934	2.44182763	8.722987659	3.115026985	11.47474236
GIN1	54826	3549	2.706720174	2.511498278	3.333881836	2.167454717
MAFB	9935	3378	2.843738869	12.53351394	16.57503308	131.8364412
LOC100289	1E+08	3842	2.500299297	3.247951678	3.574573006	2.476355169
MSX1	4487	1940	4.951623659	2.297244173	5.772212553	0.730413423
ATP5S	27109	1895	5.069208389	5.173951519	3.456373405	4.272904759
C12orf5	57103	8237	1.166219485	1.406737842	1.74424715	2.162649015
APOBEC3F	200316	4706	2.041255822	2.46223961	1.346906681	4.51658109
DNAJC6	9829	5750	1.670634765	0.658809677	1.065610101	0.598485334
MAR1	55016	5502	1.745937822	1.660512554	1.497656433	1.361299151
RWDD3	25950	1336	7.19023196	6.171264473	7.274774718	6.21226301
CCDC113	29070	5304	1.811114234	0.756219518	1.195049555	0.457983853
TNFRSF10A	8797	1764	5.445663208	9.221534006	8.743643752	10.4427588
PYCRL	65263	2678	3.587061202	3.078718945	4.102616725	1.285022655
NFKBIL1	4795	1510	6.361688674	5.312567318	5.876794687	6.032648234
YPEL1	29799	4301	2.233468937	0.932571106	1.719359834	2.400342248
LOC344887	344887	11312	0.849199956	0.689457564	0.896540713	1.181073635
GUSBP11	91316	3442	2.790862841	5.179144329	1.902913307	5.293026632
NR1D2	9975	5268	1.823490869	0.676788716	1.163108975	0.461113583
TMEM22	80723	2079	4.620562722	0.857461028	3.150470227	1.752630848
GLRX2	51022	1170	8.210384528	6.8563903	11.37687177	4.671435299
PMM1	5372	1295	7.417876369	9.980151131	8.32086705	4.220524556
THAP3	90326	2104	4.565660598	3.07136305	4.217661586	3.174977413
MTHFD2L	441024	2372	3.963644068	2.536459734	4.186502438	2.304207125
ZNF805	390980	10126	0.928477556	0.748203761	1.147606348	0.799639988
TASP1	55617	2368	3.970339413	3.011252497	4.907374103	2.393584528
ZNF642	339559	2176	4.320663479	5.325045775	4.757791042	3.255978954
C19orf76	199800	2112	4.451592675	1.7936343	3.001203997	0.670928997
TMEM170	124491	1068	8.80314956	6.676634749	7.913286942	11.94102843
MSTO1	55154	2446	3.843730061	2.641924717	3.109669423	0.910350569
RASSF7	8045	1746	5.384744404	9.444226043	7.502666211	11.36198658
ST7L	54879	4552	2.065413825	2.839256528	1.995879776	3.201862507
LOC493754	493754	3292	2.85594281	3.79059245	4.043420403	4.734818483
IGF2BP2	10644	3676	2.557607108	0.96989199	3.965900036	0.660812393
C6orf57	135154	526	17.87407553	10.59090707	10.44373345	8.081760688
DNAJC4	3338	1300	7.232125946	23.48313678	12.67708568	28.49575532
FAM122C	159091	2523	3.726422406	4.769308354	3.182251657	8.986140567
EAF2	55840	1024	9.181409893	23.71949476	7.221647117	18.9777059
ERP27	121506	1536	6.120939928	10.01006201	5.364652144	5.271584973
PTPDC1	138639	4515	2.082339697	1.431261984	1.684662549	0.672521139

ZNF251	90987	3024	3.109048853	3.168586456	2.724902676	2.677630462
SLC7A6OS	84138	1642	5.725800079	4.206950808	4.374958518	2.465637795
LINC00338	654434	2183	4.306808855	4.695512367	4.54896188	3.430997677
ELOVL3	83401	1347	6.979780052	2.15057528	8.156501552	5.410125513
OSBPL6	114880	7315	1.28527187	0.4873989	0.77986173	0.304404305
FHL1	2273	2906	3.235293782	0.613441665	3.126374652	0.766248277
SORBS3	10174	3140	2.994192271	2.341872164	1.884067936	0.515742326
SLC37A2	219855	4196	2.240649125	2.442875	2.165215619	3.955950134
ALG11	440138	2595	3.623030339	3.606540562	3.663897596	4.056377986
C4orf48	401115	483	19.46534934	20.76080914	18.37258794	20.11715408
LOC40065	400657	3474	2.706322317	1.860146188	1.702928416	1.340202604
HCST	10870	524	17.94229719	26.36569934	18.95111409	63.74191295
FDXACB1	91893	3053	3.079516453	1.532750206	2.629813604	0.663049011
TMED8	283578	978	9.613255348	10.02519236	11.66602977	4.139649549
ARMC7	79637	2146	4.38106418	5.191814649	6.202674728	5.659707259
ZNF749	388567	2929	3.209888607	1.673717673	2.380470169	0.760231305
C6orf170	221322	5132	1.831988256	2.21443237	1.89382288	1.419999818
C14orf149	112849	1381	6.807938979	5.4861052	4.130838926	4.250859541
ZNF169	169841	3556	2.64391556	4.073150874	2.079574423	1.992410068
RN7SL2	378706	299	31.44402585	33.53669168	64.30405781	46.71435299
RNF25	64320	1566	6.003680543	7.683885681	7.1507614	10.85825319
PPOX	5498	1777	5.290806826	4.639735135	2.972492422	2.392237548
GABPB2	126626	1953	4.709358711	5.476686568	3.570095814	3.731407612
DPM3	54344	532	17.28830369	16.7543372	14.69461686	9.893139919
SNX16	64089	3471	2.64977746	1.669158687	1.460914512	1.632961153
MAP3K15	389840	4633	1.985188336	1.394808517	1.504942181	0.305849782
SLCO3A1	28232	5106	1.801288202	3.404024561	2.151744534	3.607721608
RASSF3	283349	1337	6.879115604	13.33329452	8.691594521	20.28830788
RBM4B	83759	1814	5.070219163	5.282141921	5.357827466	4.352108961
GREB1	9687	8482	1.08434067	0.57796735	1.14584992	0.668239585
MSRB2	22921	1811	5.078618201	6.644376022	3.850026021	7.041975906
HAGH	3029	1648	5.580932987	4.19163424	5.76930477	4.667655821
DCUN1D3	123879	2886	3.186894512	2.625194484	4.905086282	7.505158814
ZBTB3	79842	2990	3.076046007	3.130091224	2.473232993	1.489443139
DOHH	83475	2050	4.48652564	2.934869506	4.844089651	1.974915736
ZNF227	7770	3075	2.991017093	4.782750307	3.985208507	4.34481462
TMEM159	57146	1922	4.785316109	4.637516852	5.276622552	3.37030365
NME6	10201	1189	7.735389034	9.183180448	7.463380973	7.491059689
SGK1	6446	3208	2.867012956	2.847923963	7.178939834	9.717595042
NUDT2	318	1060	8.676771285	7.567902501	6.577733137	7.065913141
RAB32	10981	1234	7.453304345	10.47349734	7.019996123	1.804471226
RABL5	64792	2459	3.74029181	1.812384585	3.86653691	1.399467536
ZHX2	22882	4373	2.1032192	2.394954535	3.333786539	6.85101114
CNPY4	245812	1547	5.945299006	4.897421643	6.692277509	3.009608176
CRIPAK	285464	4467	2.058960726	2.344557014	1.51356892	1.540761437
NR2C2AP	126382	1316	6.988888725	4.571795204	7.545884334	1.999677218
C21orf2	755	2254	4.080469193	4.152161827	3.936983131	3.592348943
RCAN1	1827	2457	3.660151157	4.262570689	5.073586048	6.014369962
SCRN2	90507	1849	4.863705459	6.025762162	2.399664677	6.240370572
ATP2A1	487	3570	2.519045208	6.803574968	2.781620108	17.91807302
S100A13	6284	951	9.456352675	5.85785186	12.44158427	13.6229729
DHRX	207063	2596	3.46417234	4.377683714	5.534423641	5.146496516
FLT1	2321	7123	1.262528625	3.660174662	1.453454065	25.463465
ACSL6	23305	6554	1.372137839	0.135997977	0.290137756	0.216204156
CD163L1	283316	4598	1.955848498	2.132370189	2.159718091	1.981143722
NRP1	8829	5895	1.52552865	1.549811717	0.68098566	3.845976701
NR1H3	10062	1720	5.228483369	2.979739389	5.404959012	1.765367991
C1RL	51279	3398	2.646554265	18.689616	2.735882725	33.0629838
LOC72885	728855	1287	6.987561301	4.501670399	8.865094882	5.505058433
ITPR3	3710	9047	0.994030219	0.615764023	1.471309823	1.342514842
GOLGA2P5	55592	2453	3.666119606	1.271772355	3.445328355	1.650459543
SPATA20	64847	2640	3.406436134	4.389128639	2.641059517	2.530360787

CCL20	6364	851	10.56755745	26.18480432	6.703511818	104.6635719
RRP7B	91695	2332	3.856342793	2.197749464	3.080481083	1.649291765
APLF	200558	3869	2.324370999	1.670237234	2.56665386	1.360338702
TMEM55A	55529	2420	3.716112146	4.880219955	6.111542684	9.954146567
TTC14	151613	4813	1.868479409	3.37976023	1.843748177	3.911465667
C14orf80	283643	1719	5.231524953	4.407394579	5.653926133	1.530875636
ZNF670	93474	4198	2.142208526	1.061613553	2.617152832	1.25372807
SRD5A3	79644	4089	2.199313131	2.016338796	4.133719958	0.742585704
METTL18	92342	1445	6.223523456	4.317865171	4.532752666	3.922496998
TRAF5	7188	4013	2.240964713	0.555277061	2.421903569	0.706205851
NRN1	51299	2072	4.340246812	4.086699817	6.526170235	12.99374458
OTOF	9381	7171	1.254077729	0.435038012	1.738362979	81.44014358
ANKRD16	54522	2646	3.398711789	1.852728293	2.874622604	0.535526092
ITGB7	3695	2798	3.214078411	28.75003545	4.002177395	80.37829405
FAM89B	23625	1477	6.08868747	11.01339606	9.155196159	9.456730903
HSD17B7	51478	1533	5.866269663	6.831791378	4.961677371	8.979232016
CCDC168	643677	21470	0.41886313	0.45666689	0.619978573	0.094284519
C17orf61	254863	490	18.35304366	13.64281743	21.12847614	6.609922056
EFNB1	1947	3344	2.689291685	2.132370189	2.337779955	1.392303782
C14orf93	60686	2380	3.778567813	3.932341495	4.79385593	3.912490629
KIAA1107	23285	4569	1.968262507	1.072952301	1.063591489	1.81649888
LRRC28	123355	1464	6.142753684	3.80520295	5.484167303	3.456777031
AGER	177	1691	5.318149849	3.953270575	3.37355917	5.267220562
CXorf21	80231	1927	4.666835181	11.21679835	5.701508869	16.49264737
NAT14	57106	1368	6.573824118	1.628893894	6.177916999	1.627717465
MAML3	55534	7086	1.269120998	0.817619221	0.775247501	0.771320816
ZFAND2A	90637	907	9.915095252	11.05564588	10.24975689	22.09532242
ACPL2	92370	3198	2.812067353	1.045181448	3.435524575	0.063298581
LOC64521	645212	1865	4.8219793	6.690954609	4.984734316	3.69039214
MAP7	9053	4608	1.951604035	2.176100437	3.393027852	6.369831842
LOC37444	374443	2613	3.44163467	2.473076103	2.830067603	1.549398109
GSDMB	55876	1646	5.463542767	1.759917923	4.621051889	10.45349535
RHOH	399	1999	4.498745069	2.229441568	4.122113903	16.10114518
PRKCQ	5588	3286	2.736759402	3.322824575	1.607461666	2.032913109
FAM18B2	201158	4244	2.070830638	1.995203115	2.041158156	2.00330166
FAM174A	345757	1260	6.975083513	3.183324068	7.042825379	4.016445694
C6orf162	57150	2441	3.600411809	2.464761363	2.769812521	1.409787247
ANKS3	124401	2662	3.301504593	3.097223642	4.047904895	1.74900971
FZD6	8323	3806	2.309144831	2.868839084	1.609894398	2.659338715
ATP6V1E2	90423	2025	4.340051963	2.420898303	2.086763075	1.59943793
FAM184B	27146	3855	2.279793833	2.080927795	1.863471306	2.835579403
APOL4	80832	3417	2.572023771	3.521499847	2.535169803	3.317534775
CHD5	26038	9663	0.909511045	0.599570506	1.005805549	0.398028397
MOB2	81532	1707	5.148567795	4.177296961	6.807651948	6.285137514
FAM22D	728130	5543	1.585532244	2.291442004	1.6009309	1.752947036
BRF2	55290	2007	4.378976196	4.885220792	4.84260041	5.950823575
C15orf41	84529	2595	3.386745752	2.747840428	4.070997329	1.560145379
RPP40	10799	1174	7.486035116	3.226708382	10.07831911	1.206986406
FAM86DP	692099	2527	3.477880976	2.11633733	2.759159923	1.762340714
CEP19	84984	2160	4.068798716	2.785408559	5.086484996	1.780624257
CDK11A	728642	2650	3.316454802	4.372565889	5.8202972	5.805507013
SUOX	6821	2564	3.427693146	4.779952286	3.131365418	3.710669485
FAM165B	54065	917	9.584084216	9.477071652	9.446755961	3.752770633
TRAF4	9618	2902	3.02846493	1.228574416	5.314882005	2.371668277
EML6	400954	7853	1.119139848	0.681011643	1.130008911	0.670208893
FAM134B	54463	3259	2.696718388	4.444346274	1.037298614	3.913169183
BCL2A1	597	955	9.202727985	168.9328416	5.973495871	721.7489826
ELL3	80237	2127	4.131925353	2.514332127	3.278042842	1.142052823
CTXN1	404217	1290	6.812872268	0.690954061	4.586025828	0.313843198
ZNF2	7549	3951	2.224400209	1.409976492	2.459908636	1.946924017
ZNF527	84503	5126	1.714515261	1.608429445	1.195329317	1.184718277
LENG1	79165	906	9.700447269	8.362374483	6.063359598	9.607550891



DTNB	1838	2496	3.521075812	1.785518307	3.047376366	1.135418302
APBB3	10307	2167	4.055655388	3.907541311	4.582549047	5.978517411
SUMF1	285362	2179	4.033320434	5.113186892	4.945168807	4.552094669
DAAM1	23002	4256	2.064991829	2.408435972	3.62401024	1.807400562
GABARAPL	23710	1885	4.66239004	7.447458429	7.061506613	33.50546697
THBS3	7059	3176	2.767193081	4.770976877	2.594491717	5.67259723
HHLA3	11147	915	9.605033034	4.870659776	10.16014153	4.86714206
TRIM23	373	3914	2.245428009	1.707966413	1.565472172	1.60329452
ZNF441	126068	4470	1.966130923	1.844476361	1.181682111	2.853024243
PAFAH2	5051	3581	2.454232121	3.546903946	2.006054702	5.935501427
ACBD4	79777	2057	4.272535355	6.499738009	3.389595102	7.380731513
LILRA2	11027	1774	4.95411794	14.82201623	2.382015348	13.80715469
KLHL17	339451	2581	3.405116322	1.640380089	2.128401316	1.725468805
FADS3	3995	1807	4.863644287	0.986530978	8.184799831	1.120248273
GALE	2582	1647	5.336129463	5.005955881	8.595069224	4.670489856
TBCEL	219899	4041	2.174859002	2.702004838	2.248266453	4.508437928
C17orf90	339229	635	13.84032319	13.33486932	8.983761507	9.244782718
UBE2L6	9246	1642	5.352378335	19.67767313	6.047736775	179.8682771
CPS1	1373	5773	1.522363628	1.659761899	0.439185369	0.490906648
TFPI	7035	3927	2.23799471	1.986031058	0.645637162	1.494891017
SLC25A42	284439	3132	2.80606808	1.849824331	2.630940515	0.969486892
SNX12	29934	642	13.68941624	22.21385019	10.20222368	19.86451459
ZMAT3	64393	9113	0.941975097	1.613843651	1.437469023	1.421644599
POLD4	57804	981	8.750478143	31.34649388	9.261207685	48.07943432
ZNF101	94039	1458	5.887667392	6.571883021	7.10079102	17.07733206
FAM21A	387680	4735	1.812929051	1.317701198	1.784876548	1.453554665
PLCD4	84812	3237	2.651905795	1.789820761	1.892881705	0.750431373
APBA3	9546	2158	3.977858692	5.059685613	5.77655279	7.31670589
LOC33980	339803	2557	3.357144723	2.875822681	4.214127035	2.533329532
RAD51D	5892	2478	3.46417234	6.294708609	4.177947259	3.594378519
ZBTB22	9278	2681	3.201872084	3.490851458	1.891396596	4.37928909
CA5B	11238	6032	1.423113239	1.182136259	1.15590138	1.812194728
GSTM2	2946	1478	5.807996656	2.8645609	4.145641461	1.506574758
LRTOMT	220074	3630	2.364798639	2.823775068	2.386411905	2.509448714
STXBP4	252983	6046	1.419817906	0.847692979	1.118278591	0.636147601
NEIL2	252969	2746	3.12608123	0.811481008	2.769938605	0.663459493
WIPI1	55062	1939	4.427137214	4.941622199	6.211052809	13.36301932
KIAA1328	57536	4875	1.760865448	1.234150254	1.516916235	1.121144472
C17orf89	284184	560	15.3289626	9.947887712	17.35553397	3.614801124
ZNF181	339318	2951	2.908918691	1.359196315	2.291125843	1.783514211
LPPR2	64748	2748	3.123806062	1.459602738	3.229243078	2.283586154
FNBP1L	54874	5371	1.598253409	0.497857423	1.691536909	0.829163095
IL15RA	3601	1853	4.632606075	9.01913187	3.876784612	22.50423409
KIAA1539	80256	3045	2.819119559	13.02601573	4.648958624	22.80233169
CCT6P1	643253	1783	4.814480683	6.498765904	3.673487158	3.40598199
KLHL13	90293	3991	2.150894277	0.390836581	2.964657138	0.456492049
MPPE1	65258	2806	3.059237013	4.92360173	3.388387121	6.204163298
ZNF737	1E+08	8419	1.019624547	1.005777648	1.179520582	1.274347278
ARHGAP11	89839	1045	8.214563692	7.036821623	3.639354741	5.811354917
GFOD1	54438	3032	2.831206813	13.52282783	3.066137698	16.29044939
EFR3B	22979	7500	1.144562541	0.326821271	0.619768633	0.21592412
C1orf201	90529	2881	2.979597035	1.314875266	2.420130901	0.843160831
GCA	25801	3241	2.648632847	8.388024541	1.629780634	24.42137779
C19orf44	84167	3364	2.551789256	1.788490633	1.947035554	0.842450678
ZNF35	7584	2664	3.222304451	4.349586939	3.489688251	3.191446038
VENTX	27287	2428	3.53551032	9.452951618	3.828883649	19.50920673
CASP9	842	2165	3.964997255	10.70420287	3.025324528	13.46409065
PCBD2	84105	2395	3.584225076	5.024202495	4.587393566	3.211814945
SLC25A20	788	1909	4.496709826	11.32256177	5.976624994	31.81176474
DNAJC18	202052	5113	1.638926832	1.394610974	1.652922053	0.791820313
DAPP1	27071	2953	2.837735486	22.5624696	3.362811982	80.82073465
TCP11L1	55346	2817	2.97473656	3.796936055	3.300152467	3.161828175

ZNF850	342892	7721	1.085329995	1.096702761	0.903043275	1.337115919
ADAM22	53616	9334	0.897775111	0.692323533	1.199709916	0.325308865
PDCD2L	84306	1174	7.137847436	4.175740259	7.738709317	2.586399442
KLRD1	3824	3258	2.572078849	3.693359416	2.39948931	3.727971693
ODF2	4957	3899	2.149226184	1.31447852	1.788252661	0.467263341
HAPLN4	404037	3461	2.421217246	0.450687314	2.56398728	0.058488548
DNASE1L1	1774	3147	2.66280041	6.939181158	2.484123346	6.303790457
CCDC23	374969	816	10.26940305	12.28856717	6.991039898	8.93068513
ZNF564	163050	2963	2.828158248	2.857793459	2.353154615	4.782322108
ZNF549	256051	4136	2.026071782	1.831796731	2.298794551	1.12569242
CRADD	8738	1201	6.977379592	4.824021485	5.629568995	2.359703648
CHRN1	1140	2437	3.438585511	2.46880693	2.600961363	2.491943327
FKBP11	51303	986	8.498816318	8.587872231	6.214257687	8.006821151
BTBD9	114781	8967	0.934519113	1.043712809	1.248811459	1.557666058
CD79B	974	1303	6.431184106	1.368120858	6.648254195	1.087491973
C19orf47	126526	2140	3.915809762	3.74858722	5.232753436	3.121566578
SERPINA1	5265	3532	2.372546118	9.715807885	6.400755794	43.09923696
PADI2	11240	4363	1.920658467	39.6328589	1.355941627	146.6136161
ZNF585B	92285	6210	1.349409483	1.14825216	0.816559464	1.108306174
UBE2CBP	90025	1849	4.532089178	2.651335351	3.542362143	0.656881113
KBTBD4	55709	2468	3.395394202	3.430973266	2.9107301	2.132556903
TCTN2	79867	2934	2.856112096	2.430349663	3.528613942	1.034912387
FTX	1E+08	2356	3.556805131	2.837428074	2.421344888	2.74945824
PLEKHG5	57449	5221	1.605024495	0.298760543	2.751841366	0.426492529
KLHL11	55175	2326	3.60267966	2.299219447	2.089230228	1.392459934
USP6NL	9712	4739	1.768270287	2.115946574	1.694201505	2.861940033
TSEN34	79042	2315	3.619798225	6.641665334	3.741976335	10.05586144
TST	7263	1167	7.180662288	12.60236263	7.966177806	4.163061449
FAM115C	285966	4903	1.709123575	1.317998747	1.637532313	2.518490851
MPV17L2	84769	1360	6.161641831	4.26003662	9.166030088	3.4234293
HOOK2	29911	2628	3.188673094	3.137294268	2.894311799	2.46488722
LDOC1L	84247	5355	1.564861417	1.040301983	1.183668131	0.869442362
RFFL	117584	4197	1.94792631	2.176826322	2.215041577	2.845676177
PEX10	5192	2094	3.904224795	3.511689874	3.027002312	1.546734387
APBB2	323	9004	0.907979423	0.569208324	0.351984831	0.359713661
LOC100130	1E+08	3024	2.703520741	2.726458114	1.746732485	2.744571224
ATP2B2	491	8962	0.912234626	0.049728338	0.42436127	-
SHROOM1	134549	4039	2.024126448	1.213745745	2.144757419	0.551304158
ANKDD1A	348094	3126	2.615306053	6.629379297	2.635990305	11.00860739
ZNF391	346157	1596	5.122460352	3.909345346	4.368669878	4.819734832
ZNF193	7746	1851	4.416772945	5.898866317	5.8214602	4.374475699
ARG2	384	1981	4.126929188	3.037093634	6.18602532	2.759000151
SNAI3	333929	1713	4.77259003	11.57741328	4.070284369	6.144950889
SEMA7A	8482	3393	2.409503897	1.641855915	5.293016421	38.12320761
CKLF	51192	888	9.206584146	12.29594769	10.70699804	32.59834167
SUSD3	203328	1205	6.784603089	25.14958102	9.643702801	50.90119956
ZNF331	55422	5163	1.583468278	1.294786082	2.005220474	0.901774908
TRIM39	56658	3578	2.284920828	2.30430669	2.066787772	1.923583382
RP9P	441212	1405	5.818823289	3.806394615	4.812179618	3.169704616
JPX	554203	1696	4.820428492	3.678841493	4.733974606	4.296839072
KIAA1841	84542	4592	1.780367317	1.60136729	1.932482573	1.013907632
LOC44094	440944	1907	4.287072219	4.206594993	2.880652226	4.246017052
LOC64898	648987	2783	2.93763806	3.763254108	3.26455075	5.018897429
IFI44L	10964	5889	1.388257212	0.908131166	0.215267205	169.0516468
ZNF607	84775	4364	1.873383758	1.225477643	1.646123255	0.603019069
JMJD4	65094	2612	3.129956632	2.474022916	3.801831464	1.084993906
C1QTNF3	114899	3843	2.127360583	1.739521348	2.474060437	0.579421674
MYH3	4621	6037	1.354223409	1.291890669	1.084947425	0.938878278
RPL23AP7	118433	1482	5.516495764	3.007188728	5.560125299	1.639100105
CNNM2	54805	4071	2.008215849	1.696834494	1.816498808	1.093941288
C9orf37	85026	1468	5.569105396	5.768148515	5.469224068	3.44735802
C7orf36	57002	907	9.013722957	9.335878743	8.852062769	4.463701498

ZNF747	65988	2392	3.417828897	6.521023383	5.564774233	4.485254907
LHPP	64077	1703	4.800614634	4.18710858	4.466383681	3.20938303
DGKH	160851	4299	1.901708937	0.622003307	1.277832937	0.376699443
FCGR2B	2213	2174	3.76055507	4.612452076	7.872155322	60.52380907
NKIRAS1	28512	2013	4.06132475	2.988813953	3.673604892	3.519627523
FAM156A	29057	2339	3.495274357	0.857415204	2.980930793	0.519270277
OTX1	5013	2872	2.846604012	2.250051482	1.986312172	1.057253811
SLC25A4	291	4420	1.84964858	1.714097575	2.246693164	0.686975779
TPST2	8459	2018	3.949980453	1.766760632	4.606803518	2.106544164
HS1BP3	64342	2403	3.31712882	4.451089833	4.220419703	9.603366782
KBTBD7	84078	3008	2.649953642	4.370720878	2.388192116	2.759170007
TSKS	60385	1812	4.399040041	2.582498002	4.664122767	1.67573562
WDR5B	54554	4183	1.905584641	2.237382921	2.07092403	1.935729027
DNM1P46	196968	3831	2.080673598	1.861301465	1.489086024	0.845435084
SDC1	6382	3309	2.408903159	5.926042991	2.490210243	2.691710477
CCT6P3	643180	2244	3.552166022	3.376252799	2.824662585	4.149611273
NT5M	56953	1633	4.881237326	3.411400562	4.657839197	0.991690694
EPHA1	2041	3369	2.366001945	0.727562936	2.006860304	0.240342966
ECRP	643332	605	13.1753067	1.473273949	5.936927179	-
C7orf41	222166	5814	1.371011447	1.916345758	0.835835829	0.417809831
MED7	9443	1400	5.693614681	4.934152305	5.885789781	7.807970428
TRNAU1AF	54952	2032	3.922766021	5.812072978	5.302914778	3.48671762
ADCK1	57143	2249	3.54426881	3.17058511	2.348652305	1.710159358
OPN3	23596	2632	3.028518447	2.709211973	3.130739245	0.615285298
LZTS2	84445	2858	2.789034483	4.054338561	2.217824647	3.399784962
ZC3H10	84872	2121	3.758161506	3.046745807	2.390775235	1.81336558
BBS2	583	2814	2.83264412	4.672042786	3.453837606	4.60392581
UBE2V1	7335	2539	3.13944882	2.720682642	2.995766605	2.072922582
CD48	962	1099	7.253012333	3.244151916	16.14915373	81.22941635
GCAT	23464	1656	4.813442363	3.902263199	5.358671484	1.466875819
TAF13	6884	577	13.814663	11.97194667	17.21037051	13.68236682
SPRYD4	283377	2122	3.756390459	3.255331398	3.186198098	2.957254831
GPR155	151556	7473	1.066648007	0.77527764	0.904738708	1.760722078
CCDC15	80071	3897	2.045435092	1.429514272	1.843387705	0.207779177
MPND	84954	1583	5.035414121	4.082215955	3.603719872	1.918150944
PMS2P5	5383	1323	6.024989081	7.916202708	6.707452742	6.273305655
ZSCAN22	342945	4643	1.716790987	2.015716726	1.547206954	0.784776983
LOC10013	1E+08	1714	4.650560416	5.980340431	4.807529576	11.1016996
UACA	55075	7096	1.12331744	0.439636075	0.47640307	0.399380508
LACE1	246269	2262	3.523899449	5.516635873	3.456028369	3.311170614
ITGA11	22801	5035	1.583130199	0.132770219	0.419632098	0.160817369
NR4A1	3164	2692	2.961018036	2.566052462	3.139446677	8.121217385
DPH1	1801	2200	3.623209343	2.532189599	4.129656699	1.380196793
RDH10	157506	3531	2.257451304	1.451473166	2.752506095	0.458632371
HSPBAP1	79663	1958	4.071021733	2.845156853	3.992612957	6.099746126
KCNC4	3749	4445	1.793264467	1.353539367	1.711192668	0.455408016
TMEM180	79847	2834	2.812653689	2.437478203	3.876784612	12.14287463
INPP5K	51763	3391	2.350651888	2.037102102	2.679222866	2.984795974
TMEM67	91147	4744	1.68024042	1.972802015	2.583161079	0.682728037
MEX3A	92312	6124	1.301610149	0.363867872	0.966030914	0.231385049
ZNF684	127396	2108	3.781338024	2.325578304	3.307588769	5.569674597
TESK1	7016	2559	3.114912291	1.915716711	3.30261448	4.508966467
BCDIN3D	144233	3266	2.440618663	1.296332214	1.035075377	0.557826015
SHANK1	50944	6643	1.199918795	0.234807887	0.127222497	-
TMEM65	157378	4318	1.846007539	1.393349349	1.663659538	2.812814214
FAM22A	728118	3308	2.347845945	2.896555455	1.596771171	4.099979993
SLC39A13	91252	2429	3.197478133	4.862137625	4.697149903	5.416993039
ACP6	51205	1832	4.239451084	2.675938354	4.267214067	1.657441563
KLC4	89953	2674	2.904515477	3.333323631	3.002550835	3.633726785
ZFAT	57623	4710	1.648975453	2.128974695	2.42237306	1.375312869
METTL21D	79609	1784	4.353517032	4.121905043	3.434561704	2.042443685
ZNF624	57547	4250	1.827452797	0.681605859	1.242851537	0.904976093

C2orf63	130162	5360	1.449006415	2.577542249	1.300820359	2.152694998
CROCCP3	114819	5368	1.446846942	1.868008721	1.495681992	1.169019142
CYB5R1	51706	1675	4.636820529	3.857998721	4.288765305	5.680093468
DECR2	26063	1599	4.857207246	4.738155898	2.642711212	1.265971626
ZNF14	7561	2967	2.617686008	2.328214771	2.634828504	2.865524855
LRP2BP	55805	5158	1.50575308	1.123235712	1.105988476	0.824157837
NUDT3	11165	2410	3.222686467	5.177854915	3.85748112	2.015889092
ANKRD35	148741	3363	2.309448226	1.590242175	1.130872942	0.782508242
NRARP	441478	2639	2.943036902	0.928821346	4.083184096	0.306826621
NHSL2	340527	3678	2.111656984	0.121170574	3.331842349	0.33022653
MTSS1	9788	5010	1.550234408	0.266865491	4.259433313	0.363644664
SLC45A3	85414	3398	2.285660502	0.1311552	7.523677494	0.47658355
ADAM1	8759	2840	2.734744502	2.589253027	2.529465453	1.140444298
SURF2	6835	844	9.202220836	8.976672134	12.01619496	4.796892487
ZNF180	7733	3140	2.47346318	2.058008872	3.162542606	1.224888024
CTTNBP2N	55917	5901	1.316162411	1.095093689	0.751903065	2.126858075
IFT46	56912	1875	4.142226339	4.753763941	4.28203783	3.670710048
BARX1	56033	1498	5.184695852	6.991412672	2.82089134	2.026991285
LOC64685	646851	10322	0.752438906	0.496527005	0.69595833	0.353005186
RDH13	112724	2425	3.202752324	3.124252075	2.439576626	2.587750413
COQ6	51004	1609	4.827019506	7.894010584	8.010174296	4.780793532
CACNA1A	773	8646	0.898296829	0.670095975	0.855304956	3.535364134
NINJ1	4814	1297	5.988183798	35.56389032	8.633841443	162.1615949
FUT10	84750	3549	2.188412056	2.951010477	2.976680211	1.368918769
NHSL1	57224	7491	1.036800746	0.684174576	1.015385317	0.378321196
NAT1	9	2349	3.306374792	3.794511447	3.597867371	7.497365295
ASAP2	8853	5724	1.356861353	1.167886188	1.107362481	1.556056948
LOC388789	388789	561	13.84433937	17.87427952	17.70121887	16.95928085
ADCK4	79934	2458	3.159753615	3.626243853	3.266403959	4.364820886
PIK3R5	23533	4507	1.677898429	10.728798	3.422184952	23.3105347
PIGF	5281	1162	6.507993303	5.944761813	7.454970065	3.658352945
HOXA1	3198	2561	2.952865372	20.53436689	5.197555629	73.74702426
SPDYE5	442590	2667	2.835503644	2.08879532	2.218212718	3.036053438
IGIP	492311	2900	2.607685592	2.535682275	2.185704428	2.861925304
VIT	5212	2832	2.670299512	7.474966473	1.044486815	4.14578886
PAX6	5080	6947	1.08856891	0.994359181	0.669103894	0.495363563
RFX8	731220	1729	4.37379307	0.902156618	2.44401112	0.819550052
MFSD11	79157	2538	2.979624987	5.180113633	3.24669255	7.656883705
SULT1A1	6817	1598	4.732345568	2.928339411	3.437674465	1.013411079
C9orf72	203228	3233	2.33909317	1.447413047	1.960576196	3.25589263
SIX1	6495	2687	2.814398295	1.243948743	2.201702016	1.205382139
MED11	400569	860	8.793358393	5.959478778	8.844478383	4.472265577
LMTK3	114783	4972	1.520975104	10.48729852	1.572312182	21.29330155
ERCC5	2073	4091	1.848518264	2.069822053	1.187863484	1.979260454
ZNF697	90874	5080	1.488639413	1.579129262	1.330927631	1.833017263
LRRC34	151827	1892	3.996981088	2.82663025	3.685199326	1.176911994
LNP1	348801	2233	3.386604665	2.195395909	3.027815658	0.543919918
FAM86C2P	645332	1859	4.067933415	2.996674082	1.704825939	0.435565063
SMUG1	23583	1570	4.816744088	8.232035487	5.383051245	10.31484652
LOC646278	646278	2100	3.601089627	6.048315729	3.219577316	4.241366652
FAM86C1	55199	2127	3.555377629	1.466693741	2.880704316	0.475855343
CECR6	27439	5043	1.499561415	0.176746131	1.80155557	0.240843382
ZDHHC24	254359	1319	5.733349672	8.784912514	7.368536029	7.827044739
ZBTB49	166793	2960	2.554827101	2.333720685	2.641059517	2.735525175
FAM106A	80039	2281	3.315338982	2.735342031	2.500959472	2.129895971
CABLES1	91768	5024	1.505232527	1.286255545	1.850423865	3.666605599
ZNF845	91664	4311	1.75418423	1.654058435	1.372297221	1.408690765
ZNF793	390927	7136	1.059737699	1.061702814	0.680990683	1.021221842
TLL1	25809	1877	4.028922865	2.967936664	4.052344917	1.402011304
MST1P2	11209	2642	2.862334677	0.927766666	3.198860884	0.536336881
ZNF449	203523	4059	1.812737632	1.09796839	1.405441872	1.496148285
EPHB6	2051	4044	1.819461437	2.534694238	1.933119726	0.951075271

SDF2L1	23753	876	8.399431563	9.920633225	9.165320698	6.239245776
ZKSCAN4	387032	2307	3.189381036	4.249951508	3.754952413	5.878948339
LOC10013	1E+08	3182	2.312351367	2.100873835	1.128799794	1.335954155
TSPAN32	10077	1376	5.347312536	3.886616594	3.378099382	0.588455997
CXCR2	3579	2880	2.554827101	12.30222114	1.320529759	7.872233559
CBLB	868	3976	1.850578986	1.232977632	2.125601221	0.967341146
C20orf94	128710	1407	5.229496837	4.276106957	5.105672982	2.877453631
HLX	3142	2308	3.187999155	4.151562151	1.556256908	4.911618859
ZNF18	7566	2767	2.659162288	3.140757031	1.908969655	2.19474734
SEC61A2	55176	2528	2.91056252	2.732521055	2.423757152	2.802614796
C6orf1	221491	1244	5.914712258	5.911156428	5.774663896	10.41434665
ZBTB25	7597	1609	4.572965848	3.739268172	4.202058647	3.648500327
LEPREL4	10609	2619	2.809431863	1.446412998	2.984931718	1.700433366
DCBLD1	285761	2010	3.660647786	4.101895192	3.468854291	4.129145961
LHFP	10186	2180	3.375184426	0.408867311	0.872276538	-
ARMC4	55130	3572	2.059882993	0.374299023	0.650652961	0.113342029
HSD3B7	80270	2233	3.295074809	2.594558801	4.352485008	9.97186517
IL18BP	10068	2796	2.631581563	5.578786814	2.267003877	8.398336231
ACOT8	10005	1188	6.193520244	7.690353598	7.113965029	7.326970629
LOC15762	157627	2942	2.500986421	0.605935241	0.574533681	1.99538988
LY6G5B	58496	774	9.506333397	13.5311837	9.008265019	9.153759953
RN7SK	125050	332	22.16235557	11.41010735	48.36639115	18.29176472
TRMT12	55039	2232	3.296551097	1.996708645	2.271879154	1.541796895
PXN	5829	3834	1.919118949	28.30451682	3.967788946	61.77406616
PRR7	80758	1543	4.768569054	2.743889183	5.203383624	1.180725707
FANCF	2188	3309	2.223602916	2.087583326	1.340882438	2.079958096
TWIST1	7291	1669	4.408569233	2.403228475	2.405278889	0.363862546
ZFP14	57677	7502	0.980792062	1.069311737	0.675930988	0.836482905
FAM185A	222234	2296	3.204661171	2.620419202	4.509126005	2.644976432
GBP5	115362	4065	1.810062005	4.878747587	1.091507992	63.54224579
C10orf25	220979	3212	2.227122005	2.636252186	2.039174222	1.827657854
WDPCP	51057	3326	2.150786495	1.741927181	1.842230331	1.460701356
RSPH3	83861	2201	3.2501208	3.138488517	2.303877452	7.541647779
SDC4	6385	2615	2.735570127	3.578957078	3.393483739	5.883209784
BBC3	27113	1843	3.881451916	1.692706232	4.814953867	1.867222284
GBP3	2635	3051	2.344646307	11.39360827	0.969513818	59.11639361
FAM110B	90362	4368	1.63770968	2.958858909	2.418552671	2.317180208
C21orf62	56245	4132	1.731247793	1.995355599	1.687414599	1.420725321
SPDYE8P	389517	2884	2.480414661	3.167871038	2.051308363	3.439325341
COL4A1	1282	6549	1.092306594	0.88466175	1.096912794	0.896386781
RIMKLB	57494	5845	1.22386927	1.029338321	0.686811029	0.658023678
YY2	404281	2741	2.609819731	2.032403181	3.314573053	1.181635099
TXLNB	167838	4685	1.526897734	1.236638165	1.217649639	2.894927176
SLMO1	10650	1734	4.125441685	1.92761838	3.168052939	0.350222946
C2orf48	348738	1902	3.761049359	1.757355558	4.554508526	1.383583185
ZNF514	84874	3204	2.232682859	1.182320737	3.033426661	1.958581383
BBS9	27241	4019	1.77992433	1.441565017	1.89257313	1.208831229
DUSP19	142679	5379	1.329896985	1.657056589	1.29622553	0.978462621
CROCC	9696	6656	1.074746977	1.004354048	0.793587595	0.152064951
FRAT1	10023	2651	2.698421683	2.437626502	2.869200833	9.926726588
C4orf34	201895	1683	4.250455069	4.104464187	3.515135661	18.64318108
ANXA8L2	244	2053	3.48442079	-	4.425350579	-
ZNF211	10520	2512	2.847737214	3.636998437	1.513983163	3.223389538
RNF122	79845	1868	3.82950529	3.578683374	4.411191485	25.68289107
STAP1	26228	1524	4.693908059	1.754588069	6.931914743	75.04744591
LARGE	9215	4201	1.702812635	0.530427719	0.301763525	0.144557626
MREG	55686	3213	2.226428846	1.525776242	3.551004393	1.260061394
MEF2C	4208	6449	1.109244206	2.556926449	2.424418102	8.31813439
TRIB2	28951	4408	1.62284843	0.202207518	2.923858993	1.377691899
ZNF10	7556	4417	1.619541744	0.706284262	1.195861226	0.412465421
ANP32A-IT	80035	3281	2.180285243	2.784559608	2.575858109	3.08486533
PPP1R3F	89801	3448	2.07468558	1.874172813	1.593214558	1.409017608

GMPPB	29925	1664	4.29898791	7.231349144	5.205934625	2.068083335
ABCA11P	79963	1895	3.774942418	4.938771905	4.459836651	4.059259521
SH3TC1	54436	4273	1.674120262	1.303725045	4.25239632	1.326470434
KIAA1024	23251	6742	1.061037657	1.090696914	0.783464704	0.360300557
FMN1	342184	12355	0.578997643	0.378752439	0.307820777	1.376286887
NLRP1	22861	5623	1.27218849	0.198143949	0.864227194	0.612002609
STX1A	6804	2138	3.345891432	3.75209385	3.458824438	7.763875941
TRIM62	55223	3865	1.850844989	2.594429706	2.569310164	4.766112944
KCND1	3750	4720	1.515575399	1.321888808	1.880076266	2.873460555
ZNF492	57615	4245	1.637015245	1.522296315	1.19454282	0.762982758
FAM102A	399665	4161	1.670062416	2.677633799	2.1834282	2.140559954
CYTIP	9595	2282	3.045192688	3.124735281	5.740427346	39.6519289
HIST2H2BF	440689	1875	3.706202514	1.426129182	3.943982212	2.914975627
NUMBL	9253	3561	1.951454567	0.500606986	1.898655536	0.568460722
TTLL11	158135	3280	2.118637108	1.019051912	1.288321716	0.432012817
LRRC27	80313	8205	0.846938417	1.385066048	0.721020514	0.740142095
C18orf45	85019	2994	2.321018608	1.488528288	1.834804207	0.676115107
C9orf93	203238	4359	1.594202733	1.738084717	1.357185895	1.068103659
DNM1P41	440299	4466	1.556007549	1.347174762	1.703146307	0.543919918
ZNF695	57116	3392	2.048682109	0.985403971	1.43265021	0.537104884
ERVW-1	30816	3044	2.282894124	1.390874182	1.179974029	1.729024454
ARHGAP31	57514	8096	0.858341121	0.7706664	1.539748137	0.650092692
ZNF579	163033	2173	3.197942804	3.281475339	4.667127725	2.794692079
CCDC150	284992	3685	1.885788253	1.693165583	2.580139555	0.933864497
C3orf78	440957	467	14.88036341	8.588840097	9.048597917	0.866933032
LINC00426	1E+08	1589	4.373272318	4.908208915	4.653849369	3.694422294
ZNF503-AS	253264	1867	3.722083403	8.832147119	4.526722257	5.312808937
NOG	9241	1892	3.67290154	0.11777626	2.791817671	-
ANO10	55129	2746	2.530637186	3.327072132	3.92407969	0.51602405
RPL32P3	132241	2075	3.348978175	3.866012844	3.767487311	4.097355298
ABCA13	154664	17207	0.40385481	0.789957213	0.061395002	0.070585993
KATNAL2	83473	2850	2.438291128	1.876485766	2.59472514	1.704664109
PLA2G6	8398	3239	2.145455299	1.307138317	1.108935148	0.999957335
ITGAE	3682	3878	1.791936491	1.723821697	2.179316775	0.99178659
TREML2	79865	3758	1.84915639	4.802939719	1.855347825	14.3822529
TAPBPL	55080	1834	3.78905655	21.74866443	4.608173639	32.45042841
USP49	25862	3194	2.17568244	1.046490379	2.249117685	1.20417921
CBY1	25776	1287	5.399479187	7.098787937	3.94004217	2.359310757
PAX8	7849	4065	1.709503005	1.260799938	0.98755485	1.394343951
SLC25A14	9016	1601	4.340493263	4.175503149	5.806701749	4.551804539
OPHN1	4983	7531	0.92273665	1.331492606	0.953881541	1.15581478
LLGL2	3993	3590	1.935690728	1.924181957	2.942684699	3.326825324
C2orf74	339804	887	7.834419068	8.541500881	12.14827827	6.39008812
PLA2G3	50487	2593	2.679957468	1.374979929	0.977792957	-
C9orf3	84909	3851	1.804500055	1.735907697	1.042433255	0.946174898
SNHG10	283596	1972	3.523899449	3.050954609	2.678559348	1.026515532
FLT3	2322	3848	1.80590689	0.289543509	1.592322786	0.263031267
CRYL1	51084	1516	4.58385865	5.291541326	3.90235707	1.869395832
FAM173A	65990	876	7.932796477	3.815628163	6.512201549	2.772998123
CDK5R1	8851	3870	1.795640753	1.209169607	1.637866367	2.196902389
AUTS2	26053	6426	1.081408297	0.277413862	0.427435714	-
COQ10A	93058	1674	4.151212493	9.184859765	6.941852972	4.353308881
FAM86A	196483	2374	2.927181851	1.407957149	2.402985913	0.682152866
RABAC1	10567	821	8.464226204	7.05682071	10.03666954	8.629732282
C15orf61	145853	1313	5.292558807	3.903390517	4.98844448	0.925036693
ZNF350	59348	2358	2.860366219	3.213024292	3.4049283	6.266881678
MEF2BNB	729991	1515	4.451975938	4.853781252	3.765470995	5.745505681
CCDC111	201973	2295	2.938886076	2.718655849	3.774586151	1.675881654
TIFA	92610	3090	2.182764901	2.812451361	2.39319309	6.944161642
SDHAP1	255812	2590	2.604148087	1.634679927	2.447313838	2.266578002
DALRD3	55152	2242	3.00836019	3.279874485	3.863815886	2.708682377
GRK5	2869	2575	2.619317882	2.942256808	4.348773729	4.559562738

GUSBP3	653188	1469	4.591384306	3.48887117	3.883382271	1.653605416
LOC100329	1E+08	1000	6.744743545	3.565322956	4.225695227	1.214573178
DPY19L1P3	1E+08	1913	3.525741529	2.679117485	2.871617248	2.64543731
CEBPB	1051	1837	3.671607809	52.76658566	4.830680445	118.1294181
ZNF691	51058	1591	4.239310839	4.20174767	3.187199417	3.435310685
HIST1H2BK	85236	863	7.815461814	14.45959484	9.058558714	37.76482843
C19orf59	199675	1326	5.086533594	114.1051229	2.549439051	259.8295058
ZNF555	148254	8547	0.789135784	0.443214653	0.914652647	0.497368214
FAHD2B	151313	1286	5.244746147	4.158619311	5.421770704	0.629638765
WHAMMP	339005	3589	1.879282125	2.297244173	2.001583139	3.496960018
ZSCAN20	7579	4243	1.589616673	1.260425273	1.593474514	1.431267002
TSNARE1	203062	1915	3.522059293	1.97814916	1.323977617	0.951362802
GNA11	2767	1615	4.176311793	1.793699629	4.186447284	0.877400644
DGCR6L	85359	1217	5.542106447	6.774699536	4.166667439	2.994017694
HABP4	22927	2708	2.490673392	1.069728546	2.73078532	0.44851299
PEX12	5193	2693	2.504546434	1.489412672	1.412226403	2.104718961
RNF165	494470	5276	1.278382021	0.971408595	0.680788655	1.726553987
RPS17	6218	511	13.19910674	7.413220432	11.5772472	4.753711067
C6orf223	221416	3638	1.853970188	5.145119714	0.87115762	5.286075311
PEPD	5184	2019	3.340635733	3.090299739	5.964948686	2.306024689
NARFL	64428	2109	3.198076598	3.909345346	3.907115075	3.071466863
SYDE2	84144	4711	1.431701029	1.040611137	1.03153248	0.429694042
MICAL2	9645	3934	1.714474719	0.056642777	1.020439874	0.051456244
ALOX5AP	241	1242	5.430550359	522.8135615	14.45990718	1219.951722
GAS2L1	10634	2963	2.276322493	0.075205091	2.210539184	0.136637775
SMPD2	6610	1697	3.974510044	6.828108195	5.104699597	3.936448131
LRR37A2	474170	5175	1.303332086	0.732010752	0.898215411	1.056150589
LOC283070	283070	2427	2.779045548	0.367256176	3.917517207	0.750663274
LOC100170	1E+08	1010	6.677963906	2.426890626	5.439013659	1.402972318
ZNF628	89887	3867	1.744179867	1.3829802	1.529861215	1.465737823
GPR3	2827	2145	3.144402585	0.623308209	2.364025302	0.566234582
PCTP	58488	2172	3.105314708	4.514105952	7.490297709	12.67510376
ZNF566	84924	5262	1.281783266	0.338780212	1.405352841	0.538579263
COQ3	51805	1265	5.331813079	3.170741759	7.683082231	1.280182533
KLRAP1	10748	2208	3.054684577	2.926697399	1.626739558	1.37519608
LOC257390	257396	2352	2.867663072	2.179061118	1.527143258	1.118867015
EXOC6B	23233	2594	2.600132438	1.460352984	1.30322135	1.248597458
GAN	8139	4544	1.439339212	0.686544363	1.580915908	0.133645816
LOC541470	541471	809	8.08449614	10.19135888	13.58072632	9.007959291
CYB5A	1528	874	7.483246427	3.824359578	6.527103612	2.084507742
IRX5	10265	2078	3.147428959	0.750639458	3.45701727	0.194830474
ZNF778	197320	3608	1.812737632	1.358735883	1.288321716	1.290427896
UBTD1	80019	1575	4.152607859	4.24443209	6.170856522	5.26957675
GADD45A	1647	1398	4.678367223	10.20121017	7.103278815	11.14951534
CRY1	1407	3273	1.998276009	1.361641825	1.613846329	0.865873535
ZNF70	7621	4042	1.618099302	1.323103521	1.097718948	0.901464506
RAB11FIP5	26056	4362	1.499394172	0.561934785	1.743753189	1.345813165
MFSD9	84804	2706	2.41698351	3.787990945	4.216325615	4.787674512
COMMD3	23412	942	6.943054541	10.40832073	8.971752075	10.74463179
PPIEL	728448	2640	2.477408097	3.798284399	2.240898984	1.99361759
DHRS13	147015	1939	3.373056925	1.95366459	4.467599389	2.087971768
ZNF846	162993	2133	3.066271626	3.969827483	3.863153161	3.321617536
HINT2	84681	652	10.03122297	12.30364517	10.69386062	6.51994804
SH3YL1	26751	1805	3.623466691	2.59251323	2.22405012	2.018681182
MAMDC4	158056	3669	1.782599449	2.975961175	1.785180595	0.496554856
MGC72080	389538	728	8.984007387	3.673066232	7.836110655	6.673478999
FAM45B	55855	2508	2.607797997	0.621941305	1.600642132	1.533551992
SLC43A2	124935	3024	2.162816593	12.30590554	4.192157964	54.62366143
ZNF417	147687	4703	1.390677733	1.610952856	1.392691389	1.205189913
ARRDC4	91947	4074	1.605389636	1.804977564	1.607714188	1.93783153
RRN3P3	1E+08	2492	2.624541484	1.1624498	1.441348693	1.949555662
C9orf139	401563	3815	1.714379391	2.044336557	1.938392306	1.326532523

ANK2	287	14243	0.459198018	0.172095733	0.103840015	0.071062579
TRAF1	7185	4450	1.469743231	1.452168058	1.519351093	3.00231572
TMEM53	79639	1614	4.052266033	4.141871464	3.272688373	6.647292278
PLEKHO1	51177	1627	4.019887755	13.14808711	7.531970596	42.42670084
C14orf86	283592	2468	2.650063767	2.347508024	1.969023303	1.476385548
NRIP2	83714	2787	2.346737487	1.758995	2.046892198	1.089498724
IQCC	55721	2293	2.8523146	3.012565734	2.672157906	1.147656005
DHFRL1	200895	4047	1.616100167	2.092325678	1.044154986	1.70066255
ACADS	35	1934	3.381777341	5.18483496	4.806892192	4.396076652
ZNF808	388558	3311	1.975342005	2.557427369	1.595324384	3.973988551
CXorf40B	541578	1359	4.812625002	4.591107559	5.907888839	4.766536876
CHCHD5	84269	698	9.370139509	7.023379748	9.686407398	3.480152372
MGST2	4258	1278	5.11765053	12.20523312	7.108955194	13.46357852
SLC29A3	55315	2283	2.864808312	8.198837284	3.886973271	6.472758211
OCEL1	79629	1124	5.818823289	8.524737939	5.075345691	9.725230071
LOC439949	439949	2253	2.902954895	3.263860895	1.875585986	2.246214636
SLC37A1	54020	3098	2.111154738	5.826161221	1.977810871	9.801268381
LOC100133	1E+08	2740	2.386991744	1.626515947	2.467559257	1.034308059
NSUN3	63899	1465	4.464407766	3.65050132	4.182428723	5.527067931
ZNF8	7554	2210	2.959437727	2.218243921	2.868118933	2.015128952
AQP3	360	1835	3.564227454	0.121434706	6.563068882	1.213470023
RTKN	6242	2638	2.479286345	0.506821876	3.684268015	1.304507456
RBM45	129831	1860	3.516321171	3.953483116	5.906885801	3.917977993
FCGR1A	2209	2268	2.793638099	2.063265599	4.751112359	7.318856597
PQLC2	54896	2279	2.780154107	4.791049387	2.966701344	5.507059896
RFESD	317671	2814	2.251588916	1.029433156	2.552836491	1.510663156
MAP3K14	9020	4468	1.41807771	0.648349351	1.560518605	0.634289186
TEC	7006	3620	1.75026829	1.046451834	3.151761634	1.286150234
WDR83	84292	1476	4.292663421	4.680090262	6.727902293	1.920056966
ESRG	790952	3153	2.009505617	3.53366135	2.412385477	2.439675481
ZBTB42	1E+08	3651	1.735407069	0.671366621	1.215278003	1.607898391
CCDC134	79879	1279	4.953847701	2.787586361	4.955858359	2.532339177
LOC100133	1E+08	4614	1.373205724	3.86359228	1.602723591	4.606638624
IQCG	84223	2273	2.787492833	3.529246217	2.695670075	3.295146471
FLJ10661	286042	1643	3.856342793	3.255011828	3.343520265	1.971309682
TLCD2	727910	5901	1.07371144	1.359426648	0.895122697	1.3721665
PLD2	5338	3489	1.815984869	0.638672069	2.240623723	1.856613246
LOC389834	389834	8205	0.772208557	1.059168154	0.798272712	0.912841917
CCDC126	90693	2473	2.562058718	2.252655527	2.733971841	2.37381198
CCDC106	29903	1993	3.179112498	3.689653084	3.498443113	1.320409041
SPATA7	55812	2031	3.119631319	2.304030714	1.872538505	1.395373748
PPP1R16B	26051	6251	1.013593219	0.998130727	1.014004614	3.270727109
SPDYE6	729597	3145	2.014617237	2.479854997	1.948253761	2.960803719
CD9	928	1321	4.796344595	1.349478787	10.39629787	1.838869308
ZNF546	339327	4636	1.366689217	1.29777448	0.820346356	0.698632832
THBD	7056	4048	1.565210279	2.201903999	0.99170219	1.650235296
FGF5	2250	5399	1.173545325	1.650918205	1.487094079	1.6122321
CAMKK1	84254	3583	1.768342509	7.711764697	1.002467469	4.576259531
FKBP7	51661	2904	2.181808268	1.611393381	2.83750196	0.627362179
PTX3	5806	1955	3.240905989	0.341942739	2.053406888	0.724809228
STARD10	10809	1988	3.187108254	3.250577393	3.188401831	3.258412281
ZNF595	152687	2894	2.189347343	15.09164002	3.212346061	11.40148744
SWI5	375757	1004	6.310728296	4.438898102	4.208859788	2.621090855
APOBEC3D	140564	2519	2.515272413	2.919205477	1.677528871	8.839688339
DISP1	84976	4945	1.281288414	1.216679977	0.640904231	1.064337803
BTN2A2	10385	3621	1.749784924	2.030786688	1.983894473	5.814029756
TMEM86B	255043	1751	3.61848727	3.563286792	2.413303956	2.080936341
SLC16A7	9194	3575	1.772299639	2.243909553	2.068522139	0.396364207
TMEM229	161145	4068	1.557515047	1.807639773	1.038764805	9.305358253
MAP3K12	7786	3640	1.740651431	1.346790952	0.928724226	1.44592045
IDUA	3425	2203	2.876065007	7.181625337	2.205878126	7.075361983
ZNF124	7678	1674	3.784929038	5.457670295	4.796189326	6.529963321



ZNF653	115950	2255	2.80974333	2.865697498	2.061314745	1.705609045
MKRN3	7681	2744	2.309027409	2.192595659	2.001969313	1.327886127
HMX3	340784	1074	5.709110839	14.93850401	4.918174147	17.15179379
ZFH2	85446	9188	0.667347088	1.382396934	0.827846257	3.635259293
SYTL3	94120	2896	2.117260028	0.69250489	2.845340364	8.45783578
ZNF597	146434	1838	3.336009272	3.394621966	1.954211612	4.51555135
LRP12	29967	4149	1.477846479	0.537075644	0.356469831	0.487897958
ANKRD58	347454	1607	3.81554763	8.458490211	2.10364417	7.558016041
PTK7	5754	4249	1.443065437	0.104887119	1.79012742	0.142924591
FAM110A	83541	1811	3.385745467	7.874816026	3.500023656	5.588869767
GOLGA8IP	283796	1899	3.228849416	5.515079612	4.450442577	1.918756995
LYSMD4	145748	2929	2.093405613	1.369405369	1.659115572	1.174902926
KCTD6	200845	1840	3.332383175	2.785408559	4.248660962	1.760250982
POLR2J4	84820	6486	0.945356929	0.96196657	1.498473485	0.967513838
CSRNP1	64651	3188	1.923332823	7.618808857	4.37415127	33.84397238
TP73-AS1	57212	6409	0.956714783	0.660605556	0.824172107	0.473776399
CGNL1	84952	7235	0.847489294	0.431189715	0.43804719	0.475644875
DPH3P1	1E+08	1068	5.741184496	1.669158687	3.165314777	0.379080268
BATF	10538	953	6.433982205	13.32787306	7.09455652	11.04543638
ZNF813	126017	4188	1.464084298	1.010941024	1.059450809	0.435019046
ANKRD39	51239	914	6.708517551	4.144590416	5.77912367	3.322136701
LOC10050	1.01E+08	1498	4.093180935	11.30526304	3.667158742	10.54035468
NUDT7	283927	1103	5.55900729	1.616193543	2.490210243	-
SUV420H2	84787	2318	2.645204936	2.114891745	2.187590282	1.309936559
MYLK3	91807	7998	0.76663979	0.696526271	0.924601981	0.632748384
EPOR	2057	2709	2.263412714	1.645128717	2.495796369	2.241737131
C10orf95	79946	1469	4.173985733	3.337181119	2.445092541	5.374217601
AGAP5	729092	2426	2.527446431	1.653334017	2.351479207	1.418503986
PCOLCE2	26577	2047	2.995400606	1.850588979	1.754685365	3.263386652
SMPDL3B	27293	1890	3.24422489	3.772828525	4.695216919	3.427366992
BMP8A	353500	5642	1.086775087	0.868897388	1.160905282	0.681699468
MAFF	23764	2476	2.476407529	4.589849322	2.730659274	18.55870432
MCOLN1	57192	2118	2.894988216	8.62713888	3.890512603	30.29742661
SLC27A5	10998	2378	2.578463011	1.405588844	2.665493205	0.085125678
PPARG	5468	1919	3.195198041	1.393430024	3.413146223	11.07609724
PSTK	118672	1730	3.54426881	3.348930522	2.564728317	1.287119938
LOC10028	1E+08	1238	4.952815058	7.379757734	6.143983368	5.886461281
C17orf57	124989	3964	1.546817619	1.573994746	2.078735039	0.970269525
BIN1	274	2637	2.325212378	0.253507036	2.163325202	0.537353827
CDCP1	64866	6017	1.01904355	0.370338515	0.316031719	0.706499272
LOC10013	1E+08	1312	4.673464208	5.944469486	2.89872386	4.011547589
C11orf61	79684	2252	2.722728704	1.286334326	3.28373297	1.977546619
ICAM4	3386	1420	4.318017635	10.04316326	7.588396359	12.11722067
GKAP1	80318	1891	3.242509276	2.592447945	3.240221089	1.605728686
THBS2	7058	5826	1.052451947	1.376926991	1.41436761	2.188983585
MAR9	92979	2462	2.490489456	1.991193771	3.432733735	0.9044344
RHBDF2	79651	3615	1.696150772	8.568117062	1.578060458	44.23756618
APBA2	321	3653	1.678506718	1.341998101	2.197870499	0.997459494
NSUN5P2	260294	1784	3.436987131	3.247561549	1.894930595	1.58856731
CD3EAP	10849	3286	1.865972319	1.559693168	2.571938665	1.416878834
CHCHD6	84303	984	6.231285611	4.529119609	5.368007148	1.645763113
FAM161B	145483	3602	1.70227236	1.360999185	1.290467726	0.84298527
TIGD5	84948	2412	2.542116518	2.679165778	2.803114579	1.174960233
MAP6D1	79929	2154	2.751717211	1.137957072	2.550326739	1.315693631
TRIM16	10626	2920	2.029862628	0.763125633	2.387807235	0.623924578
MAGI1	9223	7235	0.819239651	0.277193388	0.204422022	-
RAB37	326624	3091	1.917566766	8.795078466	4.579773216	4.191344946
BCAS3	54828	3626	1.63463841	1.536353315	1.922889444	2.735525175
LOC10050	1.01E+08	4800	1.234833099	1.485551232	1.716688686	1.560389152
HOTTIP	1E+08	3772	1.571367676	3.780830282	1.960489567	2.414978482
ATP10D	57205	6550	0.904915859	2.993782635	0.99997368	6.737327042
ARVCF	421	4056	1.461340945	0.494451224	1.093929977	0.249542484

CDKL1	8814	1177	5.035852908	3.786451737	3.410714075	10.14724122
C5orf65	389333	3251	1.823192517	1.987741574	1.884730261	2.615199091
CREM	1390	2687	2.205879744	1.990317988	2.437598661	8.060993054
SAP25	1E+08	841	7.047798898	9.538616707	5.778299062	4.573303682
LOC38964	389641	1970	3.008730393	6.560556201	3.646539029	4.11023072
LOC96610	96610	2011	2.947388798	3.767434749	3.572193877	3.221145507
LOC401588	401588	1927	3.075868642	3.237838699	2.083243625	1.68077935
C1orf74	148304	1642	3.609743528	2.30703754	3.860257516	1.479382677
LOC285074	285074	2225	2.663909606	2.40358851	2.373986083	1.910564549
FBN1	2200	11695	0.506814782	2.248333202	0.234861214	2.786750486
TK2	7084	5114	1.15901425	4.488026306	1.941803634	3.602077929
LOC61920	619207	4918	1.205205139	1.540526897	1.116999552	1.975718874
TRIM45	80263	3581	1.655179803	1.49343324	1.888051484	0.33917151
ZNF701	55762	5538	1.070277875	1.40829613	0.724884519	1.717976988
COL7A1	1294	9169	0.646438965	0.850599189	0.82956172	0.971411274
MATL2963	283314	5402	1.097223042	3.588752975	1.016920362	4.609172555
LOC64647	646471	3653	1.622556494	2.378996634	2.140031801	2.936964067
POU6F1	5463	5173	1.145795259	0.559989349	1.429531538	0.547845367
MAR8	220972	2604	2.276190043	2.396050374	2.434156237	4.042358246
CHRD	8646	3547	1.671045637	1.696217222	1.906149525	0.798986208
ST6GALNA	27090	1717	3.452066903	3.114725937	2.09192833	1.886349334
CYB561D2	11068	1243	4.768462489	8.425692826	6.119269034	4.885652364
SNN	8303	3307	1.792318982	11.65710749	2.044485142	14.6297243
FBXL19-AS	283932	3951	1.500176885	1.861168969	1.657764516	1.434575592
CDK18	5129	3212	1.845329662	5.896879889	1.578715527	25.58720995
IL1RN	3557	1973	3.004155536	0.564705232	1.177968766	38.57742142
C6orf64	55776	1920	3.087082746	3.945995459	2.53101537	2.846655885
ZNF488	118738	3513	1.68721858	0.126861762	0.541293155	0.05762279
TIAM1	7074	7218	0.821169143	0.185230827	0.058543852	-
ZFP41	286128	4786	1.195740223	0.83806693	1.500978246	0.507552519
SMN2	6607	1634	3.502333357	3.000195266	5.30151482	1.61051115
ATG10	83734	2432	2.353130224	2.015756194	1.390031325	1.747946596
TMEM182	130827	3588	1.594986819	1.676834584	1.236616496	1.297620916
PGBD2	267002	2712	2.110181676	2.464963327	1.94768401	0.746419111
C12orf76	400073	1946	2.940808173	2.8627015	4.017233387	4.264945211
PPP2R5B	5526	2766	2.068985071	6.928275809	2.673523734	11.12407345
TPM1	7168	1797	3.184648139	2.356049533	3.762444276	2.140316303
ARHGEF10	9639	5595	1.022844094	0.358443997	0.490920804	0.07236063
PGBD4	161779	2318	2.46885794	2.307154631	1.822991901	0.523974624
C17orf69	147081	2477	2.310380583	1.709253537	1.279479782	1.71619141
HSCB	150274	1106	5.174333368	5.03690517	4.011735975	6.222948771
SLC38A7	55238	2773	2.063762245	0.883937805	1.295290639	3.065997924
AMZ2P1	201283	3442	1.662641692	2.848529381	1.350454605	2.822947537
ZNF354B	117608	2200	2.601278502	1.01287584	1.82473203	0.828118076
NBR2	10230	1371	4.174188698	4.388389853	3.698639149	5.906020801
CLEC4D	338339	1973	2.900563966	0.564705232	0.428352278	2.462388602
CAMKMT	79823	1611	3.552335633	4.011264964	5.114901113	1.63350417
COMMD5	28991	1475	3.87987302	5.136482225	4.154073274	5.489596284
ROPN1L	83853	1093	5.235876217	6.320048698	2.899607887	1.111228891
C7orf74	168455	4426	1.292998804	2.769046015	2.38685903	9.238732561
CAMK1D	57118	2242	2.55254804	1.292071767	3.863815886	2.889261202
CPEB3	22849	5877	0.973764285	1.175397861	0.503315749	3.375536595
CTH	1491	2140	2.674211544	0.728891959	1.974623938	0.662150486
SP140	11262	3270	1.750095629	2.385059317	2.649136152	91.99060867
WDR31	114987	2508	2.281823248	1.6881264	0.842443227	0.807132627
TIRAP	114609	2348	2.437313759	4.840062573	2.789534754	9.742104563
ZNF283	284349	2565	2.231116064	2.432481549	1.565072306	1.736231963
MDK	4192	997	5.740032804	38.44254942	3.60264889	78.1696211
NCF2	4688	2429	2.356036519	27.98022596	5.045086932	128.7577576
LRRC37A3	374819	5665	1.010205244	1.612734347	0.969709408	1.607996264
C11orf63	79864	2929	1.953845239	1.825873825	0.937760976	2.764477473
H19	283120	2322	2.464604955	15.45050054	3.912680766	18.48187724

PAN3-AS1	1E+08	2211	2.588336818	2.418807975	1.624532313	1.922662199
STK19	8859	1805	3.170533355	3.333231295	2.926381736	3.140170727
SIPA1L2	57568	6501	0.880297294	0.171383391	0.390004174	0.435933561
LOC38764	387647	2095	2.731652843	1.80818885	1.91618638	0.676373289
EBF4	57593	2931	1.952512011	0.22807849	1.585897219	0.207194333
PLCL2	23228	4170	1.372377148	2.618417638	1.064023978	2.91264551
PIR	8544	1576	3.631226336	2.827825948	2.815342632	3.33956246
NANP	140838	3806	1.503629192	1.580788883	1.776435198	1.010548712
SYNJ2	8871	7416	0.771684561	0.961521833	1.45301009	0.95536815
RGP1	9827	1717	3.333030114	3.763627174	3.076365192	3.419008169
PKIG	11142	1458	3.925111595	3.209524266	5.36182179	1.527241079
F8	2157	9048	0.632494773	0.640323807	0.607140119	0.671183233
MYBL1	4603	5188	1.063690543	1.288546751	1.099593014	0.351168035
EEF1A1P9	441032	1645	3.354666588	2.844672571	5.266063961	1.107513536
HLA-DOB	3112	1388	3.975811626	3.692472442	3.653338813	11.95905386
SH2D3C	10044	3165	1.743578685	15.77078085	1.668915967	29.29302345
NPHP3	27031	5418	1.018535721	0.616923269	1.169904548	0.784607996
KIF9	64147	3603	1.53161991	1.298775015	1.641957624	0.449467362
LPAR4	2846	2627	2.100657228	0.593768098	1.68899124	0.308228189
TEKT2	27285	1536	3.59272561	5.222641049	2.888658847	2.899371735
TMEM64	169200	4819	1.145139352	0.277442645	1.139946834	0.168025618
FUK	197258	3923	1.406685327	2.442468887	3.016045536	1.909219457
CD86	942	2790	1.977930658	2.236313682	3.635006647	48.61194917
C1orf228	339541	1698	3.249956736	2.624648819	4.106240945	3.457265622
SDR39U1	56948	1247	4.425362099	5.360850475	5.591336909	3.408986465
OPRL1	4987	3391	1.627374384	1.445685363	1.495380204	1.432702068
LRP5L	91355	3627	1.521485122	2.764673508	1.39807948	1.283668003
KIF21A	55605	6653	0.829464383	0.36842921	0.476367266	0.060853408
ZNF720	124411	2789	1.978639848	3.036085342	2.348450198	4.282288603
FBXO16	157574	1292	4.27122797	1.379768946	2.616529552	2.193501611
LIPT2	387787	960	5.748360976	3.481760699	5.72229562	4.006404579
LINC00467	84791	797	6.923998165	9.506036739	9.808702849	8.635610214
BPHL	670	1844	2.99263912	2.175156359	3.781126423	0.987993366
KBTBD8	84541	4684	1.178144009	2.949535964	2.480926959	3.975972543
FZD2	2535	3834	1.439339212	0.755562051	1.487920855	0.633580166
WASH3P	374666	2590	2.130666617	2.236930426	2.202582454	1.797630829
NBPF7	343505	1887	2.924444376	2.59794333	1.231654677	2.145509941
KIFC2	90990	3309	1.667702187	1.077462362	2.490210243	0.550577143
ZNF613	79898	2355	2.343280908	2.838632927	3.050395705	5.75912264
ATF3	467	3187	1.731542685	0.978869654	1.524803737	10.35328041
NBPF16	728936	3837	1.438213849	1.800316192	1.651952786	1.371683721
ST5	6764	4571	1.207268986	0.38999376	0.878234624	1.417134897
SDSL	113675	1414	3.902706179	6.303612015	3.4367394	19.32665948
LIN37	55957	929	5.940179265	3.358081363	2.501757131	3.704295662
ASGR2	433	1544	3.574110452	0.144321687	4.515801247	0.262213553
DOC2A	8448	2089	2.641659424	2.56006914	1.415982125	1.4535342
RYR2	6262	16365	0.337209077	0.340410456	0.051643083	0.024739244
CPEB2	132864	6878	0.802330116	1.004334578	1.413070518	5.621388896
CACNA2D1	781	3822	1.44385833	0.349815832	0.386968427	-
LOC33881	338817	3684	1.497944228	1.81459841	1.548503951	2.527613381
ITPKC	80271	3398	1.624021936	1.4427072	1.989732891	2.621209526
PTPLA	9200	1323	4.171146287	0.33685969	4.471635161	-
C20orf108	116151	3066	1.799878192	1.235536739	1.860629014	0.792285178
ABI3	51225	2129	2.592027495	2.40730472	2.778756843	3.89834823
GDPD1	284161	3296	1.674279896	1.21692607	1.730791431	1.105497431
LENG9	94059	1930	2.859288361	2.193689643	2.189479392	1.887937582
LOC100129	1E+08	1542	3.578746133	6.50289936	4.247618419	9.189377696
KLF7	8609	1639	3.366947247	2.991042748	2.836037065	2.47015086
OXTR	5021	4361	1.26540393	0.56206364	1.501909563	0.185671968
DPY19L2	283417	4064	1.357880546	1.041786666	0.987797851	0.099620503
IMMP2L	83943	1539	3.585722246	2.461439663	4.118611333	0.394598173
SERAC1	84947	3969	1.390382096	0.786005943	1.171142542	1.0200497

MOCS3	27304	2458	2.245088095	3.172963371	4.211941947	3.541269775
ZNF416	55659	2523	2.187247934	1.678089976	1.591125829	1.123267571
RAD51B	5890	2650	2.082425108	2.354458556	2.551363156	2.062482755
ZBTB16	7704	2417	2.283171923	0.092193912	4.895302704	0.167504231
STOX1	219736	3396	1.564793984	1.246708189	1.990904701	1.192160559
ADAM28	10863	3220	1.650323096	3.875351039	1.443560481	7.292468355
C11orf9	745	5926	0.896733103	1.240884002	0.784384872	2.015407174
ZNF471	57573	4967	1.069869211	1.884230473	1.573894941	2.200756714
PPM1M	132160	2211	2.403455617	1.61253865	1.051167967	3.753769055
ZNF585A	199704	4144	1.282345649	1.236764418	1.529571149	1.709703234
SPAG1	6674	3958	1.342607471	1.294884222	1.121015662	1.176317294
RFX3	5991	3275	1.622607746	2.381418005	2.06446179	5.192068546
RPL21P28	1E+08	566	9.388763903	12.20461701	10.45224968	3.21883351
ZNF775	285971	2275	2.33584192	6.072802837	1.393086339	1.95755384
SENP8	123228	1834	2.897513833	1.336510105	2.995312866	1.434882889
IKZF2	22807	9512	0.558666986	0.163985365	1.97690746	0.744849685
WDR25	79446	2121	2.505441004	1.470842804	1.793081426	2.195126755
DMWD	1762	3308	1.60642091	0.13472351	1.596771171	0.183581194
PPM1L	151742	3056	1.738887555	1.385412634	1.451891358	0.927357356
LOC39981	399815	2112	2.516117599	1.1605869	1.100441465	0.766775996
FAM69A	388650	2599	2.044648084	1.200329968	1.951071286	1.090420962
ARAP2	116984	7375	0.720547847	0.997081844	1.260546373	4.583812897
ZNF296	162979	1604	3.312992749	0.972461841	5.400670334	3.659873457
LOC28392	283922	2371	2.241265445	2.255581794	2.138690119	1.963670961
SH2B2	10603	2157	2.463625577	1.446294662	2.938591952	5.443149769
NFKBID	84807	1834	2.897513833	4.009530314	3.340925888	4.635775488
C8orf58	541565	2062	2.57712918	2.701657186	2.766580289	1.472566898
NLGN3	54413	3995	1.330172808	1.227113658	1.057745989	1.520116618
PQLC3	130814	1812	2.93269336	3.443330669	4.31431356	2.122598453
TLR1	7096	2867	1.853519487	3.186655066	3.832161699	33.11445299
PCNXL2	80003	6817	0.779527706	0.817194824	0.526894667	0.564199559
FBXW9	84261	1750	3.036594497	4.329320732	3.501290331	1.272409996
C19orf38	255809	1089	4.879743222	13.91425396	11.058982	81.04589922
LPO	4025	2993	1.775489599	1.712379468	2.047196151	0.473438704
ASMTL-AS	80161	2319	2.291522367	4.32404951	2.824418975	3.928115064
EMX2OS	196047	7282	0.729750119	0.703811006	0.725366525	0.722761664
JUB	84962	4236	1.254494894	0.789067581	0.847932234	0.669028348
WHAMMP	440253	5246	1.012969952	1.486683943	1.288812879	1.427729304
CDR2L	30850	3546	1.498601345	0.251362307	2.204606929	0.057086538
EPM2A	7957	3474	1.52966044	0.96214458	1.702928416	0.640966463
RIMS3	9783	7233	0.734693816	0.092423345	0.671858083	0.419802702
CLMN	79789	12750	0.41678748	0.36701854	0.34799843	0.523933528
SMPD1	6609	2482	2.141031575	4.48897431	2.979438617	8.074318063
LOC72875	728752	1414	3.758161506	5.200479913	3.586162852	7.014861588
CC2D2A	57545	5257	1.010850365	1.1020829	1.16554272	1.001169952
LOC151174	151174	1977	2.687931396	1.577975512	2.137428036	0.204783878
ZNF420	147923	2990	1.777271026	1.117889723	1.907922594	0.947827452
LAMB3	3914	4339	1.224715457	70.30604872	1.217358616	362.0766088
NMB	4828	1046	5.080344521	3.834596869	4.847833913	3.28995284
FOXO3B	2310	7259	0.732062318	0.675343582	0.756771428	0.334639255
ABCC9	10060	8325	0.638323167	0.910067421	1.015182037	0.899683835
NTN1	9423	5954	0.892516018	0.224554267	1.029099442	0.27199041
ETHE1	23474	978	5.43357911	2.961988652	5.400939708	1.448877342
SPNS3	201305	1915	2.774955806	0.930893722	4.302927255	0.634241868
ZNF699	374879	2094	2.537746117	1.383392981	2.118901618	2.126759783
FBXO36	130888	2832	1.876426684	1.416309437	1.41751782	0.571832946
PRDM1	639	5165	1.028855831	1.337427537	5.154284595	11.64014953
DERL3	91319	3216	1.652375737	0.970042782	0.919771971	0.125888596
PRSS53	339105	2028	2.620335488	0.659268298	0.937654266	1.197803923
ACYP2	98	1238	4.127345881	6.479787278	3.583990298	4.741871588
FDPSL2A	619190	4981	1.02582899	1.431569145	1.018035389	1.13792575
TMEM186	25880	1465	3.487818567	3.65050132	2.884433602	1.934473776

GBAP1	2630	2036	2.50965334	2.517265103	1.245293289	0.994247853
CCDC62	84660	3228	1.582916419	0.552249528	0.589083907	0.68981335
CCBL1	883	1936	2.639284195	1.2660948	4.583657013	0.418241452
TMEM14A	28978	1015	5.03414207	6.586187726	5.412220488	3.988746068
LIME1	54923	1206	4.236860863	6.097411772	4.730255851	3.189177775
RANGRF	29098	1166	4.38220772	4.204390278	6.342166936	3.819412509
FRRS1	391059	2678	1.908011277	4.576474108	3.629237873	6.425113275
FAM86FP	653113	2143	2.384346337	1.351761503	1.281708772	0.472302527
ZNF382	84911	2830	1.80553152	1.732268221	1.717155304	1.072944503
SLC38A6	145389	1947	2.624372985	2.975680433	1.627771659	3.119088797
KLHL6	89857	6320	0.808489589	0.846200069	2.340179319	3.619376822
ADCK2	90956	2376	2.150527862	1.7819112	2.934510574	1.022367995
TMEM102	284114	1996	2.559946995	5.916899946	3.916601288	4.462359704
SDHAF1	644096	1147	4.45479878	4.662584511	5.34198612	2.470796932
GSG1	83445	2761	1.850653459	1.856266479	1.530494468	2.052882348
MMP24	10893	4344	1.176255571	2.103163001	1.167319124	2.003784785
GATS	352954	4074	1.254210653	1.258014666	1.2965437	1.490639639
THOC3	84321	1842	2.773970793	2.540437774	2.638191917	0.769273638
RBM44	375316	4293	1.190229257	1.038121056	0.639809433	0.707298613
LINC00152	112597	828	6.171079953	5.920675198	3.827622488	8.801254911
LNX1	84708	3170	1.611878297	1.054413335	0.866467476	0.447003798
MED31	51003	1656	3.085539977	2.825776799	5.358671484	2.567032682
TEAD3	7005	3023	1.690259412	1.76909839	2.236557183	1.205332297
FDXR	2232	1936	2.639284195	1.496293854	3.055771342	1.777526173
C1orf50	79078	1020	5.009464903	6.335439076	6.214257687	6.946088435
MORN2	729967	750	6.812872268	3.565322956	6.479399348	2.429146355
ZNF57	126295	2016	2.534550695	1.5474492	1.886471084	0.803289139
COL9A2	1298	2831	1.804893748	9.524109804	3.209199837	25.16953718
LOC44030	440300	7771	0.657528529	0.802897333	0.516588659	0.599133168
BTG2	7832	2718	1.879931641	18.36443024	10.18333471	46.54821168
MT1F	4494	456	11.20538202	5.86401802	15.75368835	27.07929965
UPK3BL	1E+08	1360	3.757098677	3.113103684	3.262485286	3.4234293
RASL11A	387496	1543	3.311506287	0.722076101	6.435763956	0.262383491
TNFRSF12A	51330	1048	4.875624238	3.402025721	5.645012708	8.885236351
NSUN5P1	155400	1751	2.918134895	3.181506064	3.378625539	2.31215149
LOC44043	440434	1652	3.093011018	4.181485004	3.708993995	2.940855152
PGAP3	93210	2708	1.886873782	2.468604336	1.872538505	3.139590932
XYLB	9942	3683	1.387361988	0.907545553	0.917881125	0.274815182
ZNF718	255403	2149	2.377689251	1.34798739	2.162989646	0.94196772
DLX1	1745	2403	2.126364628	1.669158687	1.318881157	0.673920476
INO80C	125476	1095	4.666350869	5.901504893	5.209761239	5.915729328
RCOR2	283248	2621	1.949505609	1.105236513	0.967347248	0.231700339
JMJD5	79831	2531	2.018828211	1.936909942	2.504363035	0.639838366
ACYP1	97	700	7.299506002	7.321645356	8.753225828	3.759393169
ENDOG	2021	1145	4.462580088	5.643797255	6.827542507	2.121525201
RBP4	5950	941	5.21282469	2.368041283	1.79625727	6.453630062
FOXD2	2306	4675	1.049255194	1.23928338	0.903892027	0.389702624
C17orf103	256302	4787	1.024706086	2.513675575	0.971018331	3.340689403
O3FAR1	338557	3657	1.341336624	1.523329811	1.271059543	2.60162881
MYO10	4651	11436	0.428932147	0.409189085	0.646639266	0.672638754
TXNRD3	114112	2919	1.680461813	1.37409672	0.940973586	0.346743513
PGAM4	441531	1678	2.923282499	4.780677384	2.644207383	4.825479451
FUT2	2524	3099	1.582855125	1.869522363	1.499924088	1.567696906
AGMAT	79814	2196	2.233728612	1.725025337	1.731842306	0.553084325
ZNF232	7775	2125	2.308361427	0.943761959	3.181699936	1.238388338
SLC24A4	123041	9773	0.501920396	1.938072056	0.454003887	4.701867583
GCH1	2643	2941	1.667891205	4.394524215	0.862093552	29.73453546
C16orf7	9605	2767	1.772774858	2.818628105	0.99266422	5.413710104
RGL4	266747	2897	1.693223346	4.307431945	1.677442013	3.284141028
SPTB	6710	10074	0.486923569	0.221195836	0.671144765	0.140659325
TGFBR3	7049	6572	0.746388928	0.339063732	0.546536966	0.308017138
METAP1D	254042	1550	3.164689054	2.875260448	3.953069729	0.914194865

IFI27L2	83982	469	10.45899367	13.77856686	9.91101226	17.69633983
C11orf45	219833	3648	1.344645842	0.916252816	0.231671887	0.055490368
FBP1	2203	1647	2.978304817	58.44791731	6.542515379	42.64894684
CATSPER2	117155	1948	2.51810474	3.202933867	1.735398451	1.870492574
C8orf37	157657	3378	1.452121975	1.121419669	1.188398599	0.659182206
NEXN	91624	3405	1.440607352	2.617711421	0.744615899	84.00351934
LIPT1	51601	1690	2.902525463	3.29634149	4.625761048	3.952752945
DLX4	1748	2012	2.438005981	0.996766482	1.785209216	0.804886135
LOC64383	643837	1543	3.179046036	1.732982642	3.4232787	0.918342217
C14orf79	122616	1908	2.570895196	1.167886188	2.768406202	0.848758335
ZNF484	83744	2969	1.652161682	1.576115318	1.138617778	1.772701393
LOC100289	1E+08	1133	4.329451044	4.523523168	4.102616725	4.823988791
MITF	4286	4815	1.018747255	0.231394273	1.316415959	0.882867315
L3MBTL1	26013	3376	1.452982237	1.188088959	0.751012185	0.539650405
ACCS	84680	2196	2.233728612	3.145634439	3.656111535	4.055951717
LINC00116	205251	1652	2.969290577	4.046598391	3.58109765	1.960570101
ZSCAN5A	79149	1938	2.531098056	1.494749691	3.379684005	1.77569178
MYO7A	4647	7465	0.657102215	0.119401305	1.500079351	0.81351184
LOH12CR1	118426	2085	2.352646539	2.030609597	1.621369871	1.262146388
C14orf109	26175	1277	3.841243565	2.093964148	3.970896063	2.694824331
PGCP	10404	1928	2.544226158	2.427119491	4.931438932	3.359815153
SMN1	6606	1641	2.989194414	1.629489468	2.575073265	0.986856127
LOC38772	387723	2686	1.826235306	1.244411866	1.101260856	0.52755102
LPAR5	57121	2855	1.718132411	0.54634984	3.404237836	1.488968869
EGR2	1959	2992	1.639461241	2.755618093	4.73130983	17.45543003
ZNF576	79177	1899	2.583079533	3.050895104	2.559004482	2.025354606
FPGT	8790	4499	1.090301852	1.584940189	1.314952949	1.394819905
POU2F2	5452	3717	1.319684701	0.71939527	3.410569191	1.85164954
NUAK1	9891	6821	0.719142066	-	0.495610055	-
STAG3L3	442578	1272	3.856342793	8.408780556	4.484818048	4.296839072
LOC72960	729603	3131	1.566677749	1.636905701	1.214668063	3.749879927
ABCB11	8647	4775	0.984477877	2.099993888	0.973458586	1.865313083
LOC64551	645513	1048	4.485574299	6.16617162	4.435367128	3.090516992
MSL3P1	151507	1997	2.35397189	1.227420897	0.846408658	0.608198887
IL1B	3553	1498	3.138105384	28.70941799	11.28356536	105.5386796
ACRBP	84519	1886	2.492514244	2.953773658	1.792447604	1.609985654
TLCD1	116238	1037	4.533155125	2.148820489	3.87117692	0.976031162
TMEM107	84314	1776	2.646892942	3.638596767	2.617266188	1.025821941
LOC64701	647012	1851	2.539644444	0.842695188	1.598047898	1.531066495
PPP1R28	392617	3751	1.253234302	0.712874491	1.182879229	0.269833195
PET117	1E+08	1174	4.004158318	0.949031877	2.699549762	1.724266294
UNC5CL	222643	3128	1.502839471	1.353523341	1.68865698	0.647151096
ACSM3	6296	2158	2.178351189	1.652142241	4.405845348	0.750431373
RNF32	140545	1910	2.461194694	1.749994906	2.323026172	1.695739166
ZBTB38	253461	8398	0.55976207	0.636816437	1.182470086	1.494473625
RASGRP4	115727	3235	1.453131952	6.337127356	3.918728186	7.008356306
STAG3L2	442582	1140	4.123580583	4.495747148	4.633437749	2.66353767
NLRC4	58484	3385	1.388739103	6.253797652	1.310776954	13.33578624
DNLZ	728489	724	6.492930753	3.385579464	4.961106275	3.634772401
CGRRF1	10668	1323	3.553198689	1.179008914	3.353726371	4.89623856
TRAPPC6A	79090	822	5.718834386	7.04823577	4.626673606	5.910331765
GNB1L	54584	1537	3.058478767	1.594768726	2.474382371	1.317038796
TBC1D16	125058	3303	1.423215823	0.674637253	0.959512994	0.551577283
ELAC1	55520	2233	2.105186684	3.392884586	2.460100222	1.450453116
ANKRD23	200539	2591	1.814311797	1.97805934	1.630912863	0.78127697
RGAG4	340526	4354	1.079669698	0.665324966	1.746957145	3.951872612
ATP2B3	492	6574	0.715071777	0.135584232	0.771346862	0.092377029
NCF1	653361	1409	3.336324957	332.272158	16.34495315	665.0413106
FAM81A	145773	3468	1.355502268	0.257015784	0.670165045	0.058370491
IL11RA	3590	1776	2.646892942	3.011252497	2.260366253	1.481742803
FCRLB	127943	1794	2.620335488	0.993679754	2.591005992	4.964810463
GNRHR2	114814	6257	0.751299643	1.032786936	0.506516129	0.776457202

LOC28402	284023	2525	1.861735392	2.206264205	2.259282597	1.683566781
C22orf40	150383	1502	3.129748246	2.967146268	2.81337898	1.347728781
SGK196	84197	1615	2.910762765	3.035491681	2.878182508	1.754801289
SYNE2	23224	21882	0.214828711	0.325868107	0.299324906	1.165617253
XKR8	55113	2179	2.157357441	2.249802232	1.939281885	1.857997824
LOC72874	728743	3369	1.395334481	4.299235532	1.379716459	4.085830419
C3orf39	84892	2556	1.839155659	1.133343076	1.487920855	0.475185124
LOC100130	1E+08	1731	2.715702984	2.059689749	2.197068576	2.221922817
ZNF432	9668	2593	1.812912405	0.77342621	1.385206688	2.26395566
UST	10090	4396	1.069354382	0.608278484	0.817070278	1.381452659
EBLN2	55096	1679	2.799810521	2.787067528	4.404387521	3.255258666
PRAME	23532	2776	1.693401248	0.72244026	1.978891857	1.677184383
RNF182	221687	3505	1.341193114	0.127151318	1.386462057	0.231017247
AIG1	51390	1385	3.394138531	10.13607158	5.644430448	7.746375261
LOC65036	650368	1477	3.182722996	2.112158149	1.71659928	1.918756995
SNAPC5	10302	785	5.988384541	10.78680512	6.190508932	7.478263727
ZKSCAN3	80317	2312	2.033253402	0.867428271	2.650198131	1.050668839
DRP2	1821	7118	0.660421729	0.469582786	0.682712772	0.312829094
PROCA1	147011	1263	3.721996726	4.940075355	4.684064385	2.564419483
LOC728730	728730	2517	1.867652708	2.832994005	1.594918739	1.93019178
MS4A2	2206	3658	1.229222443	0.487332279	0.231038558	0.166016017
ZNF419	79744	2384	1.886113967	1.869401718	3.013289382	2.292608767
KLHL25	64410	3683	1.220878549	0.302515184	1.089983835	0.109926073
MVP	9961	2943	1.527861263	13.62891038	3.876784612	56.4709808
ZNF461	92283	3192	1.408676597	0.907526598	0.860495582	0.761010763
LRRC56	115399	2789	1.612225062	1.278351723	1.666642076	1.379042093
FZD1	8321	4350	1.033677172	0.768388568	0.582854514	0.60495982
ZNF550	162972	1146	3.923643715	2.916658177	3.134241661	2.826231944
LOC100190	1E+08	1581	2.8440833	1.691329675	4.276478408	2.56076993
PAQR6	79957	2117	2.123994188	2.841985115	1.497057827	3.059859997
HSD17B7P	158160	1418	3.17101248	3.300060916	1.341017526	2.141349044
LOC28596	285965	5034	0.893225208	1.018107221	1.049288644	0.723821918
LOC28299	282997	2015	2.231511512	2.322325747	1.572839415	0.904148768
LOC33879	338799	1521	2.956275935	6.006666716	2.917146607	3.460322444
CA5BP1	340591	994	4.523637522	2.241777512	6.801923907	3.258412281
CLEC4E	26253	2158	2.083640267	0.51629445	0.587446046	9.192784323
ZNF44	51710	2818	1.595633675	5.377083947	1.799444383	3.950882705
CPM	1368	6683	0.672825931	0.700207449	0.663920393	0.696672729
LOC15476	154761	2579	1.743503566	0.172805494	0.983100867	1.098877116
TSG1	643432	4798	0.93716042	1.021742198	1.100900174	1.898561658
RAB3B	5865	12844	0.350085308	0.364332481	0.263201198	0.441296182
ERN1	2081	4005	1.122720524	0.834579344	0.791328694	1.566865107
PAR6G	84552	3847	1.168831738	1.100551341	1.043517147	0.894538776
C20orf196	149840	1203	3.737735409	1.667077442	3.688262667	2.355780616
CTTN	2017	3319	1.354774238	0.134277002	2.03709321	0.304954599
LHX6	26468	3603	1.247986594	0.061846429	0.820978812	0.05618342
NRGN	4900	1238	3.632064376	1.61994682	1.023997228	1.308102507
FCGRT	2217	1893	2.375327891	15.8913959	3.571638861	26.94774087
POPDC3	64208	1848	2.433168667	1.205804571	1.37197897	-
GOLGA8D	1E+08	5339	0.842198108	0.208683915	2.532726115	-
LOC100133	1E+08	4273	1.052304165	1.303725045	0.939482908	0.615861273
PI4KAP2	375133	2272	1.979091416	2.451944154	1.208935694	1.871041427
TBC1D2	55357	3330	1.350299008	2.141335109	1.586221932	4.194471935
MEI1	150365	4006	1.122440264	0.611872075	0.316452463	0.606377023
ABCA7	10347	6834	0.657959569	1.891175844	1.051167967	4.650472854
LOC10052	1.01E+08	2673	1.682190683	2.084106666	1.422793006	0.681578663
PDIA3P	171423	2099	2.142208526	2.123227106	1.610555589	1.832371794
MFSD6	54842	4797	0.937355784	1.114860211	1.233265232	1.434767842
CHST6	4166	6885	0.653085795	0.55020416	0.429627692	0.411620055
LOC54147	541473	1019	4.412655247	4.810911741	3.110178038	2.383853146
GRASP	160622	1950	2.305895229	0.228546343	1.191862756	0.207619347
FBXO6	26270	1565	2.87316019	16.94382715	4.185193356	52.64443912

TMEM134	80194	930	4.83494161	4.792100747	5.452509971	5.223970657
WDYHV1	55093	1348	3.3356793	4.297959795	4.702183116	2.703056034
JPH2	57158	4802	0.936379779	0.97448696	1.143982465	0.969567648
EIF5AL1	143244	3849	1.168224395	0.694723881	0.384253918	0.420740687
GLYCTK	132158	3800	1.183288341	1.583284865	0.945221301	1.438310342
CLEC2B	9976	2052	2.191274706	0.651557558	2.059305666	15.68527739
LRFN1	57622	3212	1.399905261	1.11000092	0.789357763	2.016725907
DPY19L2P4	442523	2018	2.228194102	1.104225395	2.617501999	0.501558134
CAPN3	825	3316	1.355999909	10.6846794	1.274335111	20.69462743
MASP2	10747	2471	1.819706879	2.795553714	1.111575029	1.064983901
CABP4	57010	4036	1.114097051	0.883380316	0.68055052	1.805609283
SDHAP2	727956	2319	1.938980464	1.345259848	1.82220579	2.182286147
C19orf40	91442	1152	3.90320807	7.930677148	3.851545129	3.86582898
ZBTB37	84614	2300	1.954998129	1.647024192	2.020984674	2.02428863
ADAM8	101	3316	1.355999909	2.553571176	1.7203524	4.883687888
CTU1	90353	2107	2.134074844	1.269099296	1.50416299	1.152893382
C3orf33	285315	1931	2.328583996	0.807782907	0.984755491	0.838648837
ATCAY	85300	5049	0.890571538	1.191618635	0.878783915	1.282971601
CREB3L4	148327	1747	2.573838407	3.061238943	2.056005119	1.506339564
LOC100009	1E+08	2788	1.612803335	1.039033322	1.364105346	1.089107943
PEX7	5191	1499	2.999663574	4.310972553	3.664712338	2.025639056
SPATA2L	124044	2388	1.882954647	1.866270391	2.034987233	3.899383457
NME3	4832	1038	4.134980278	4.293500669	3.663897596	1.170109034
LOC100128	1E+08	1438	2.984777141	4.493844129	1.910084769	3.660048982
FAM109A	144717	3256	1.318215457	1.163438465	2.011617814	3.046380309
FKBP9	11328	3491	1.229478524	0.829798024	0.786795158	0.695831096
CCDC167	154467	637	6.73800554	4.897421643	5.970370023	0.953354143
LEPREL2	10536	2656	1.616005094	0.671182785	0.477299913	-
GNPDA2	132789	1939	2.213568607	2.413350376	2.942077647	1.461580238
GLIPR1L2	144321	1745	2.459661621	3.064747527	2.300521757	4.176182846
MBOAT1	154141	3275	1.310567795	1.088648231	1.870918498	2.225172234
LOC100272	1E+08	3216	1.334611172	0.623598931	1.313959959	0.440610087
ZNF383	163087	1694	2.533712827	2.236219386	2.619232579	1.911960925
LGALS8	3964	6281	0.683348118	0.283818099	0.437303279	0.19337258
GPR183	1880	1801	2.383181304	0.123727199	2.580935452	-
HOXC6	3223	2072	2.071481433	3.656520889	3.976884987	7.718088887
LDHD	197257	2096	2.04776218	1.913639468	3.528132943	4.249460864
SLC27A1	376497	3562	1.204971794	1.376282724	1.364275551	1.363922715
HES2	54626	4273	1.004472157	0.417192014	0.791143501	0.757983105
ZNF773	374928	2206	1.945652552	1.818217736	2.107100975	1.192917143
REPS2	9185	7964	0.538938916	0.363739942	0.822429382	0.203343911
FLJ45445	399844	4874	0.880613363	1.554433993	0.693589697	2.201216606
MAP3K10	4294	3453	1.243008841	1.290661365	1.590907557	1.934593825
APITD1	378708	1431	2.999377728	4.515826595	4.134153262	2.970654173
C15orf2	23742	8053	0.532982681	0.664098402	0.341078095	0.52787857
ASRGL1	80150	2424	1.770672248	8.825056821	1.917600969	9.687189811
C10orf47	254427	3360	1.27741355	1.127427274	0.440176586	0.240986742
RGS1	5996	1403	3.059237013	8.258944837	6.776774242	80.79840574
GLI4	2738	1363	3.149016529	2.779277799	2.635246473	2.079239972
RABL2B	11158	2438	1.760504319	2.74199366	1.906589315	1.162429894
SPRN	503542	3188	1.346332976	2.096919869	1.921975558	1.841416884
ARL6	84100	1408	3.048373245	0.9495711	3.151264196	1.293934493
AK1	203	2266	1.894134832	2.851786345	1.864825784	6.163985677
SFT2D2	375035	880	4.877397192	6.077255038	4.081637435	9.66137755
NUDT8	254552	834	5.146414303	3.473411153	4.053424678	1.456322755
GOLGA6L5	374650	7309	0.58723622	0.487799009	0.260167308	0.166175014
DSE	29940	4077	1.052761719	1.093120847	0.932824553	2.48257129
ZFPM1	161882	3241	1.324316424	1.512594589	1.629780634	1.061799034
PIK3R6	146850	3061	1.40219194	0.946365535	5.176856289	9.126162394
EID2	163126	1409	3.046209744	2.372242918	2.849120274	2.011358468
MCEE	84693	875	4.905268033	5.347984434	4.829365974	2.082125448
MAK	4117	3899	1.100823167	0.68581488	1.083789491	1.817135215



PABPC1P2	728773	3934	1.091029367	0.962927209	1.074147236	0.926212388
NIPAL2	79815	2255	1.903374514	4.347954824	4.028933365	4.129369266
KLF12	11278	10923	0.392942372	0.326405104	0.251460395	0.055597051
DHRS11	79154	1608	2.669222344	2.355818184	3.153503901	0.377665789
CCDC73	493860	4015	1.069018563	1.11000092	1.578715527	0.756272215
NFIA	4774	9495	0.452038918	0.093873696	0.356035406	0.021319522
MMAA	166785	5943	0.722212608	0.637414713	0.817693002	0.885604987
LOC64496	644961	2652	1.618442507	1.092317082	1.115379585	0.686975779
MOB3C	148932	2822	1.520945971	3.079544545	2.320987811	16.1397924
EMR1	2015	3150	1.362574454	7.781458832	2.213459405	14.20215197
MSH5-C6o	1.01E+08	4070	1.054572366	0.985500817	0.622952613	0.099473643
CFD	1675	1173	3.659087407	13.48774136	4.503085281	12.94302193
EIF4E3	317649	6222	0.689827954	0.07162735	0.44145	0.520549953
SLC2A6	11182	2563	1.674642813	4.086280212	3.956952222	7.187290881
C2CD2	25966	6349	0.676029222	0.842334924	0.732125492	0.765205971
CCNJL	79616	3274	1.310968091	0.544490372	2.710433713	2.225851883
ZNF460	10794	3849	1.115123286	0.463149254	1.262548587	0.736296202
NBPF24	728912	3409	1.25905237	1.241953948	0.867699225	0.475045733
WDR35	57539	6957	0.61694833	0.096089989	0.121480386	-
TMEM80	283232	1637	2.497082078	4.492045569	4.517389522	3.338777825
ALKBH6	84964	980	4.171146287	4.774986102	3.66514382	3.511521092
GIMAP6	474344	3660	1.116864306	2.800629371	0.461824615	3.926898708
IPCEF1	26034	6858	0.596051817	4.646409145	2.341446758	17.85789765
PARD6B	84612	4625	0.883832078	0.626340519	0.913663833	1.969578126
WNT10B	7480	2370	1.724777789	0.470111149	1.06979626	-
FAM127A	8933	1254	3.259747497	2.843160252	1.010931873	0.322853051
AKAP5	9495	6487	0.630140799	0.515259792	0.5862688	0.249642501
FLJ39051	399972	753	5.428583481	6.510383884	5.611813051	1.075319325
ZNF192P1	651302	1640	2.492514244	1.222862294	1.417153887	0.617161168
RNF39	80352	2170	1.883743484	1.232254478	1.94732499	1.399277855
ZNF341	84905	3330	1.227544553	1.672918054	1.649670809	1.580525657
C8orf44	56260	1901	2.15030161	2.696029326	1.33372811	2.981592931
BTD	686	2082	1.963363766	2.568676481	2.334077575	2.527930085
RNASE6	6039	1065	3.838237898	0.627697703	3.571010051	3.611406945
C1orf183	55924	5980	0.683565779	2.049464492	1.165952696	3.99441569
CD248	57124	2576	1.586849131	0.259510114	4.183044577	0.471495799
C16orf55	124045	2190	1.866540347	1.831501518	2.31544944	0.462166354
HECW2	57520	6926	0.590199734	0.064346718	0.88467486	0.029227384
GPR126	57211	6980	0.585633719	0.031924453	-	-
C7orf55	154791	683	5.984953676	4.893836415	6.805658492	3.852965181
IFT27	11020	1099	3.719493504	3.446911411	3.845036603	3.131292694
KIAA1407	57577	3996	1.022953794	2.007501664	1.32185161	0.607894483
PDE4C	5143	5346	0.764632129	1.250464	0.711396503	1.438888289
FAM201A	158228	1741	2.347916922	1.919868048	1.213582776	-
TRPV1	7442	4443	0.920036768	1.103380388	0.951090531	1.549084254
TPM2	7169	1327	3.080424537	1.679221437	3.502837038	1.372916177
EXPH5	23086	10208	0.400443119	0.938656489	0.372563255	0.634573238
FAM114A1	92689	4138	0.987850015	0.646204016	1.582848623	0.684872905
MTMR7	9108	5302	0.770977624	0.588392604	0.956400278	0.801774071
IDAS	345643	2104	1.942834297	0.529545353	1.807569251	0.096211437
CACNB1	782	3687	1.108685479	0.24174959	0.744969324	0.274517037
IL15	3600	2493	1.63968045	-	-	-
SLC31A2	1318	1791	2.282369269	3.234868679	5.072721797	25.09168486
STRA6	64220	3097	1.319897759	5.324384459	3.001785437	4.248587695
U2AF1L4	199746	792	5.16126687	2.250835199	2.934510574	4.856247975
CYP27B1	1594	2503	1.633129589	2.136629818	2.363553064	0.485246975
TMEM2	23670	6540	0.625034153	1.192529658	0.581517692	2.476194042
CD300A	11314	1911	2.139049378	49.90705864	3.427434643	126.796101
SERPINB1C	5273	1194	3.423553904	0.373254078	5.83952858	0.169538411
FNTB	2342	2836	1.441369309	1.021447427	2.086027263	0.214134904
LOC80054	80054	2281	1.792075125	0.488453934	1.667306315	0.266236996
ZNF829	374899	5056	0.808489589	0.352583362	0.334311331	0.600560313

CNKSR3	154043	3277	1.247398035	0.475992918	1.160551024	0.247090464
CACNG8	59283	8751	0.467115	0.534737331	0.579457693	0.508905838
SERTAD3	29946	1527	2.676963563	4.085995529	3.597513946	5.170088838
FLJ31662	440594	2755	1.483747136	2.507373222	1.150370752	2.204307038
LOC100130	1E+08	2638	1.549553965	1.098114064	1.041206178	0.920828793
CDH12	1010	4345	0.940787885	0.76927279	0.778033644	0.559067055
NRIP3	56675	3809	1.073174944	1.228534098	1.996915571	2.072650474
CYP51A1	1595	3208	1.27422798	1.944923682	1.185513	1.703734196
ZMAT5	55954	1051	3.88936571	2.968275534	3.015481846	2.503877468
SLC9A3R2	9351	2192	1.8648373	0.30497174	3.084449071	0.369395735
LOC349190	349196	2874	1.422311538	1.240543826	1.102738838	1.126952612
ZNF221	7638	2426	1.684964287	1.561482127	0.870918225	0.834414109
ZNF17	7565	2678	1.526409022	2.163424124	2.130204838	1.511791359
ZNF821	55565	2020	2.023625426	0.661879262	1.778139081	2.605520018
FLJ43663	378805	2964	1.379123941	0.225539155	0.784120234	1.229325079
ZSCAN21	7589	2005	2.038764769	2.333908419	3.4775048	1.514430396
DSTNP2	171220	1057	3.867287948	2.951426288	3.398146588	4.596303416
C5AR1	728	2342	1.745398532	6.279657213	28.86896825	113.6609542
OSR2	116039	1907	2.14353611	2.220147357	1.440326113	0.530752132
ACOX2	8309	2356	1.735026893	0.567485615	1.165832724	1.80433197
STC2	8614	5361	0.762492699	0.665048117	0.867051809	2.794205532
FNIP2	57600	5801	0.704658397	1.382860998	1.129085951	8.060863186
C8orf80	389643	3912	1.04491906	0.911381124	0.810140956	1.500622962
PPP2R3B-A	283981	2188	1.868246509	2.036861835	1.062217722	1.850355237
ZDHHC11	79844	2618	1.561391658	1.361849869	1.452683615	1.469117034
ADAMTSL4	54507	4209	0.971186353	3.335343107	1.405553176	7.310331948
TPST1	8460	2062	1.982407062	0.43226515	3.278909973	1.472566898
PCYT1B	9468	5564	0.734673501	1.28156828	0.645550134	0.982311161
LOC148189	148189	2085	1.862511843	0.641245136	1.520034254	0.679617286
CCDC163P	126661	2169	1.790381371	2.568380414	2.532689624	1.39992298
TRIM59	286827	3886	0.999314769	0.516081874	0.652449083	0.573010163
KREMEN1	83999	6152	0.631231663	0.651981197	0.583849308	0.987136848
MMP14	4323	3558	1.091438222	0.313143177	1.900256426	3.413640185
ZNF543	125919	3671	1.057841785	1.092614635	1.784208009	1.929994607
LTB4R2	56413	1560	2.489318713	2.713987827	0.812633698	2.205955558
HPSE	10855	4668	0.831905997	0.572834665	0.226311869	2.254991618
RAB3C	115827	1030	3.770230284	4.110505835	7.794971778	1.76879589
BTN2A3P	54718	2483	1.563969872	2.243583213	0.68074027	2.690355408
PSEN2	5664	2302	1.68694057	2.80718847	3.579542004	7.034886636
GALNT12	79695	2752	1.411096364	3.076904804	1.305174761	8.238383957
UBE2Q2P1	388165	2150	1.806203346	1.451003529	1.670623694	0.659070717
LOC284270	284276	2273	1.708463349	1.470519257	1.673174529	1.335870191
ZNF16	7564	2632	1.475432064	1.608594609	1.766058036	1.307481258
LOC728600	728606	2598	1.494741029	2.744667403	0.731933353	2.960853269
FGFR4	2264	3084	1.259188454	0.361272187	1.438709465	0.196915236
C16orf46	123775	1931	2.011049815	0.923180465	1.750676428	0.209662209
SYCP2	10388	5497	0.706446642	1.175577198	1.345273176	1.583489377
TCEA2	6919	1749	2.220318578	0.764434596	1.691244516	0.925918184
LOC100289	1E+08	1872	2.074432261	1.309380092	1.805852661	2.054566451
NAP1L5	266812	1965	1.976253024	0.793806002	1.397812671	1.33922403
SLC22A18	5002	1563	2.48454075	3.564182417	1.48696889	7.900294715
C3orf54	389119	1058	3.670451033	0.210616904	2.7958286	0.956658143
TTC30B	150737	2652	1.464305125	1.176341473	1.035709615	1.450282201
TTC28-AS1	284900	5125	0.75772433	1.47830464	0.618394423	0.315986518
ZSCAN16	80345	1290	3.010338909	1.381908122	2.948159461	4.393804777
FLT3LG	2323	1125	3.451855283	3.763396453	1.878086768	3.958608876
ERBB2	2064	4816	0.806340779	0.971654149	0.658071308	0.630488568
ACOT2	10965	1767	2.197700732	2.648266202	1.554443632	2.978579761
HIST1H4C	8364	390	9.957274853	7.427756158	9.209848572	1.5571451
ISPD	729920	5524	0.702993699	0.403390088	0.611976137	0.43974409
C15orf52	388115	5344	0.726672379	0.959047857	0.672125925	1.81822332
PGBD3	267004	2298	1.689876933	1.842393825	2.942172482	2.642674451

KIAA0513	9764	7361	0.527555657	5.206795514	0.545362106	30.5802059
ZNF713	349075	2065	1.880550699	2.266095099	2.353292742	2.254655616
C5orf55	116349	1646	2.359257104	3.249079243	3.080701259	1.106840684
LTC4S	4056	680	5.710789989	12.12471961	4.039267497	4.167653061
CLECL1	160365	649	5.983570405	6.523607103	5.534423641	11.54062855
USP43	124739	4089	0.949703398	1.144408506	1.291787487	0.693079991
ZCWPW1	55063	2356	1.648275549	2.837428074	2.331665448	2.74945824
TFAP2E	339488	2189	1.774023386	1.628745069	1.447817003	2.496838419
FCAR	2204	1671	2.32396002	8.267879386	4.678357971	25.68217771
LOC10050	1.01E+08	2555	1.51989714	1.569858444	2.232754817	3.486054783
IQSEC2	23096	6004	0.646791671	1.076307105	0.879766661	3.438998005
RELL2	285613	2599	1.494165907	2.229184226	1.788482012	2.803939618
NEIL1	79661	1907	2.036359304	1.986447635	1.772709062	1.592256395
FGD1	2245	4291	0.90499585	0.934744424	0.886302891	0.896329153
INADL	10207	8505	0.456594614	0.497803764	0.149054505	0.357017395
ENO3	2027	1536	2.528214318	5.367714411	1.237996649	3.821899105
FGGY	55277	2102	1.847448712	1.166108246	1.407224862	0.770423836
TLR9	54106	3922	0.990142069	1.079505612	1.454535583	1.393569429
TFEC	22797	6631	0.585633719	2.453142209	0.191179093	5.922364562
HOXA4	3201	1728	2.247301616	3.739668899	1.711797835	8.785974955
CDC42EP4	23580	3121	1.244260555	5.497634324	1.89553775	4.929379553
KIAA1522	57648	5422	0.71621859	0.205489381	1.441817811	0.261343054
TNFRSF9	3604	6001	0.647115013	1.373905905	0.985831248	1.045708174
PROCR	10544	1483	2.618568572	0.601032191	1.282240629	2.320492697
SIGLEC5	8778	2498	1.55457854	0.892044374	3.721589071	11.99338339
XKR9	389668	3191	1.216965588	1.885453616	1.655317779	2.283747749
EMR4P	326342	2732	1.421426498	3.26255761	3.557503303	17.33834331
GPR135	64582	1834	2.117413955	1.579511942	1.612860774	0.883004855
TRADD	8717	1496	2.595813632	4.468569881	4.095760748	5.818476676
IRF5	3663	2900	1.339081791	1.459938279	2.404274871	4.118380315
APOBEC3G	60489	1848	2.10137294	4.220315999	2.400963197	20.15525475
ITPRIPL2	162073	7722	0.502892669	3.635964553	0.656673695	8.100300266
ZNF439	90594	2566	1.513381603	1.910490672	0.741061127	0.867777667
FN1	2335	8815	0.440537401	0.151672843	0.55128185	2.526055011
LOC72832	728323	1128	3.442674816	0.987733532	4.308111269	2.153498542
ARGFX	503582	5065	0.766700334	1.011875962	0.333717293	0.999155296
ASB2	51676	2781	1.396381587	90.8638132	1.063641373	203.3751324
HLA-L	3139	4622	0.840185459	1.012437555	0.502841275	1.970856519
FRS3	10817	2200	1.672250466	0.709013088	0.960385279	0.920131195
C7orf23	79161	1083	3.397000023	2.263305201	0.975460579	4.85978803
DUSP5P	574029	2472	1.488248796	1.98313878	1.025654181	0.245666096
GTF2H2D	730394	1842	1.997258971	2.177518092	1.60585595	0.989066106
MRPS24	64951	715	5.145386049	2.181578732	4.728050604	0.566234582
NUDT6	11162	1195	3.078620104	2.051179525	1.944880649	0.338793076
DNAJB2	3300	3129	1.175759356	3.275903962	1.958216069	7.892720128
MTCP1	4515	2329	1.579626889	0.861096678	1.451505445	1.390666298
LOC37519	375190	1386	2.654365819	2.572383085	1.219536862	0.438157712
ZNF707	286075	2302	1.598154224	1.645593241	2.753493849	3.077762903
CHST7	56548	2330	1.578948938	4.877453615	1.088161861	21.63295574
CDKL3	51265	2138	1.720744165	0.729573804	0.988235554	0.946814139
KMO	8564	5015	0.733589437	0.933097982	0.379175045	4.884126105
PMFBP1	83449	3690	0.997005698	1.449318275	1.087916115	1.152034179
SIGLECP3	284367	2251	1.634362961	3.860717328	4.317680596	5.485633336
CEMP1	752014	1374	2.677548053	1.459602738	1.845281759	1.47328139
ZNF674	641339	4095	0.898400739	1.088315921	1.289894758	2.175059822
LOC10029	1E+08	3356	1.096230937	2.191143801	1.510975647	2.412739725
RRAS	6237	1013	3.631738425	2.639676423	4.380039475	4.79594542
HES1	3280	1475	2.494204085	0.302146013	3.867585462	0.96067935
SUMO1P1	391257	1212	3.035438139	1.838553504	2.789237774	1.169143598
ZNF77	58492	2057	1.788503172	2.166579336	1.746155053	1.082507289
NECAB1	64168	5140	0.715749227	0.086705325	0.411059847	0.039383047
KCNJ5	3762	2912	1.263376039	0.841744345	0.943235542	0.695154062

INPP5J	27124	2238	1.643856579	1.2943811	3.115458948	2.170818906
BIRC3	330	5243	0.70168816	2.380055378	0.685073611	6.33193468
IDI2	91734	1359	2.707101563	3.935235051	4.042239732	1.936405606
C12orf34	84915	3183	1.155812449	0.980099776	1.261203414	0.826759415
KLF5	688	3350	1.098194336	1.330344387	0.882981092	1.389810104
IFI27L1	122509	732	5.025889378	1.52208118	2.309123075	4.148132438
IPP	3652	3269	1.125405636	0.954315566	0.840226949	0.990780608
HERC2P4	440362	1176	3.128359715	3.410704358	1.796639127	2.237734029
TXNDC3	51314	2327	1.58098454	1.244875334	1.906738285	1.217878849
SMOX	54498	2203	1.66997323	17.70118921	3.54858655	24.62593521
LOC10050	1.01E+08	2481	1.48285007	1.526866441	0.93677242	0.407958208
B3GALTL	145173	4221	0.871582806	1.794909093	3.053392666	1.246896574
RPS6KA2	6196	5817	0.632448173	0.497992935	0.87172671	0.869988237
ZNRD1-AS1	80862	2445	1.504683446	1.458209798	1.555470636	0.662343928
ZNF225	7768	2731	1.347107662	2.121438961	1.392576237	1.778942772
PLEKHA8P	51054	1886	1.950663322	2.126717034	1.90447558	0.965991393
SH3RF1	57630	5265	0.69875613	0.634850954	0.561820828	1.268784896
BAMBI	25805	1732	2.124105673	0.385968853	2.073811168	0.233751574
COL6A1	1291	4246	0.866451019	0.104961227	0.547369848	0.190700766
CCL2	6347	760	4.840725033	528.9344254	16.95838216	2984.227606
ZNF578	147660	6741	0.545757458	0.49584487	0.564178268	0.57056051
AVPI1	60370	1422	2.587166684	0.626814866	1.634410953	1.992970521
DPY19L2P1	554236	3941	0.933506984	1.130843363	0.643343602	-
NMNAT2	23057	5579	0.659428397	0.119823993	0.340842956	0.253988536
FBLIM1	54751	3363	1.09394916	1.06016145	1.068046668	1.444630601
FBXO48	554251	2732	1.346614577	0.815639402	2.242773821	1.037336779
GJD3	125111	4042	0.910180857	0.826939701	0.888629625	0.801301783
FLJ38109	386627	3487	1.055047612	1.533692123	0.54532918	0.986891503
ARMC9	80210	2235	1.646063098	0.997014249	1.039880257	0.543433189
RCAN3	11123	1700	2.164088838	0.524312199	3.107128844	0.238151603
AIFM2	84883	3256	1.129898963	1.847814032	1.103145253	0.621710267
LOC100129	1E+08	1013	3.631738425	2.199730353	2.711453009	1.398817414
ITIH5	80760	6765	0.54382129	0.592902931	0.312320416	0.508690417
CSAD	51380	2709	1.358047628	2.632205947	0.935923638	2.914258271
KBTBD3	143879	4231	0.869522814	0.737333393	0.998746213	0.669818975
COL9A3	1299	2485	1.480463189	1.434737608	1.870529074	1.955047369
PLB1	151056	5148	0.714636951	9.522764305	0.697715801	4.993874436
NLRP12	91662	3871	0.950387762	2.360149851	0.873303069	7.059647765
VMAC	400673	1708	2.153952591	3.39206663	1.97924835	2.844433671
RFTN1	23180	3033	1.212974291	0.293877593	1.114591554	0.400452746
FOXO1	2308	5738	0.641155633	0.271841895	0.920550546	1.270031207
GLT25D2	23127	5182	0.709948094	0.04300129	0.285409751	0.039063849
KCNN2	3781	2515	1.462803588	-	0.672078764	-
ULK4	54986	4425	0.831401362	0.654649695	0.668471561	0.274479814
KCNIP2	30819	2608	1.41064073	1.879723568	1.620281912	2.018079155
ABCA9	10350	6310	0.583035028	0.494398984	0.435293486	0.481209658
CY5D2	124936	2059	1.786765918	3.354936001	2.770611247	1.474712455
PSIMCT-1	1E+08	839	4.384923748	3.187118256	5.54024404	1.688917808
HMOX1	3162	1606	2.290754063	0.83250069	5.393944717	16.63798874
C5orf35	133383	1722	2.136440781	1.423437591	2.822038044	0.940436065
USP51	158880	4410	0.834229257	0.303173721	0.574924521	0.091804473
FAM36A	116228	2632	1.397777745	2.116571854	1.364681209	0.69219596
YBEY	54059	1202	3.060691368	2.595389007	3.691331105	1.515690322
DDX39A	10212	1558	2.361329284	2.145372446	2.441030619	1.559144002
PEAR1	375033	4866	0.75605241	0.320556678	0.69473	0.665610729
RNF144A	9781	5740	0.640932234	2.212798437	0.552137878	1.234322335
LOC728554	728554	1827	2.013656828	0.853765076	1.040811632	0.332395506
C14orf28	122525	2906	1.265984523	1.380243746	0.945183034	1.114542948
C17orf76	388341	2785	1.320987801	0.560082152	0.910383173	0.436112452
RNF175	285533	1589	2.315261815	0.981641783	-	0.127393872
ZNF610	162963	2272	1.529297912	1.471166493	1.022945588	1.514652584
PELI3	246330	2763	1.257533426	1.854922819	1.68232528	1.904868055

IDO1	3620	1944	1.787327601	1.260884533	0.869484615	3.748682647
SEPT14	346288	3785	0.917982789	0.706470863	1.339718434	0.748746125
C17orf48	56985	1518	2.288909655	3.669839999	3.201284263	5.467446233
IRAK2	3656	3469	1.001604167	1.605885592	1.400850248	7.119147097
PLCD1	5333	3053	1.138082167	1.678726416	1.245701181	0.729353912
ZNF324B	388569	2995	1.160121822	1.190425027	1.128733283	0.743478295
GOLGA6L9	440295	4375	0.794186253	0.509331851	0.627817577	0.185077818
PROK2	60675	1613	2.154100965	0.138147976	0.130988693	0.25099673
ITPKA	3706	1864	1.86403694	1.793181476	2.493704265	0.542995877
ZNF79	7633	2099	1.655342952	1.80474304	2.113854211	1.060846828
C19orf39	126074	1662	2.090592573	2.279275355	2.923916673	2.67956377
CD1D	912	3795	0.915563862	2.289980159	0.668094107	4.267275108
DEPDC7	91614	2013	1.726063019	-	2.833923774	-
LOC92659	92659	1914	1.81534214	1.513492634	1.214280238	0.317286619
KAZALD1	81621	2514	1.38208626	2.65910125	1.84895177	5.072799668
SLIT1	6585	7949	0.437107165	0.252295152	0.292380472	0.3819893
WASH1	1E+08	1837	1.891434326	3.032562394	1.380194413	1.322344233
SPIRE2	84501	3249	1.069425933	1.028775091	0.845399168	0.623049747
AGAP9	642517	2387	1.455619965	1.680347015	1.062177267	0.508828311
LOXL3	84695	3121	1.11328576	3.92688166	1.353955536	10.83166296
NRG4	145957	2195	1.582945265	1.624292918	0.577543767	1.383340749
C2orf88	84281	4051	0.857705469	0.935116179	0.521561988	0.649611261
LOC64236	642361	1712	2.029535547	3.774619076	1.60438195	2.71954664
LOC28310	283104	2708	1.283074172	3.373759259	1.794516068	1.046530311
JAM3	83700	3668	0.947264138	0.85050643	0.921634728	0.220751214
TEX19	400629	1951	1.780914842	0.571073	2.599094963	1.763859903
ZDHHC14	79683	2821	1.231678432	0.552934702	2.097119219	0.430547032
CEACAM22	388550	3016	1.152044051	1.108252742	0.630491662	0.671183233
ARMC2	84071	3413	1.018038341	0.457025723	1.052399925	0.474488984
HHLA2	11148	2689	1.292140148	0.911550588	1.728622071	1.355046312
TIGD6	81789	3508	0.990468887	1.016340637	1.023899927	2.019672236
HTR7P1	93164	4389	0.791652963	0.913872938	0.914652647	2.259971357
PLXNB3	5365	6377	0.544858845	1.048295522	0.662646264	1.587179418
ZMYND17	118490	2433	1.428098996	2.198102932	1.389460001	1.414422799
OPTN	10133	3597	0.965961873	0.619495926	1.174783216	5.909099419
TMEM117	84216	2706	1.28402249	0.823476292	1.093121456	0.5236519
SLC16A4	9122	2629	1.321629843	1.186632783	1.366238472	1.077977969
WNK4	65266	4194	0.828460862	0.371919121	0.604534367	0.868793403
EFNA4	1945	1276	2.723013211	2.619506482	5.133093732	5.869802452
ATP8B5P	158381	2528	1.374432301	1.234041767	1.838712322	2.242091837
LOC10021	1E+08	3615	0.961152104	1.294463729	1.168933673	1.287929142
FAM131B	9715	4392	0.791112217	0.152208118	0.529174038	0.04609036
LINC00339	29092	1103	3.150104131	3.838459665	3.256428779	2.93641143
GPR82	27197	3349	1.037493239	2.861094489	1.324867121	24.60093975
RTN4RL2	349667	1263	2.751041058	0.176431263	2.67660822	1.282209742
PPT2	9374	2063	1.684229208	0.648083426	4.199066997	1.17748248
SLC7A5P2	387254	2552	1.361506605	0.96048571	1.32466935	1.189824821
ECHDC2	55268	1591	2.183887402	2.24093209	3.187199417	4.707647976
VSTM4	196740	6354	0.546831107	0.455905713	0.465531423	0.637169855
NPAS1	4861	2066	1.681783571	1.294284713	1.840815927	0.783848453
LOC10050	1.01E+08	1991	1.745135538	0.895359858	1.697918725	0.101671955
NEB	4703	26202	0.132606857	0.119061812	0.249974338	0.270399596
TRIM71	131405	3138	1.107254575	0.639099478	3.231889275	1.677230859
SLC37A3	84255	3335	1.041848533	0.066816397	0.950306273	0.06069831
ZNF71	58491	3144	1.105141494	1.488386253	1.008037984	0.708243477
CLIP3	25999	3473	1.000450578	0.898260175	1.338400446	0.990869758
REEP2	51308	2117	1.641268237	-	2.095880958	0.095620625
MGC23270	196872	2518	1.379890729	1.061950841	1.17473656	0.080392718
SPSB2	84727	1272	2.731576145	2.97810978	0.664417489	1.909706254
C16orf91	283951	1071	3.24422489	3.328966345	2.761892305	1.890092091
SLC35G1	159371	2428	1.431039892	1.009538522	0.609140581	0.166745357
ZNF772	400720	5434	0.639412009	0.615106785	0.505465936	0.596036402

SEPT1	1731	1602	2.168891921	5.007476062	4.220419703	12.00420848
DNAJC27-A	729723	4695	0.740056413	0.806848912	0.540024949	0.646737581
EMP2	2013	5186	0.669989367	1.031234947	0.89631021	0.702606929
IFT20	90410	1016	3.4198473	2.193235086	3.119361634	3.586338123
THAP8	199745	1825	1.791878734	1.587301316	2.31544944	2.551158273
TOX2	84969	2558	1.27841231	0.784008664	1.651952786	1.503576386
ZNF554	115196	3698	0.884310083	1.325667676	1.142697465	1.040061762
AP4S1	11154	1797	1.819798936	2.728057354	2.469104056	4.843873738
GNG7	2788	4264	0.76692746	0.627108869	1.635177562	0.427265424
CCDC122	160857	2024	1.615700933	2.091808799	1.148286747	1.600228166
PCBP1-AS1	400960	2396	1.364849202	1.302027373	1.322734316	1.520751057
RUNDC2C	440352	5832	0.560730228	0.878798311	0.760799038	0.867750613
KIAA1257	57501	1730	1.890276699	1.674465261	2.320468477	1.287119938
ZNF354A	6940	2555	1.279913381	0.43607179	0.496167737	0.396142589
IL23R	149233	2826	1.157175757	0.709658232	1.046704409	1.146094058
ZNF771	51333	1473	2.220080576	1.664059424	1.290945589	0.549704991
PHLDB1	23187	5695	0.574219261	0.039127776	0.519400643	0.355450154
PALM	5064	2890	1.131549719	0.385523676	0.950415882	0.140089179
MYLK2	85366	2793	1.17084808	0.478695349	0.680831669	0.289908862
ABCC2	1244	5051	0.647431932	0.705864771	1.254908501	0.480923848
RAB11FIP4	84440	8665	0.377400887	0.617193818	0.243837001	2.149273559
SMAD6	4091	3018	1.083558214	2.731878507	2.520295364	1.073181513
TMEM71	137835	2105	1.553529068	2.22303391	1.104100891	2.404143265
UNC80	285175	13562	0.241128056	0.246459982	0.124633394	0.238818892
C5orf56	441108	2233	1.464477693	9.080955805	0.662334675	23.11659653
HSF4	3299	2622	1.247207738	1.359772294	1.289304417	0.617631924
MPP2	4355	4412	0.741200972	0.353542338	1.053550487	0.183525714
DKFZP434I	54553	3074	1.063818702	1.087342313	1.580855404	1.580446555
NPTXR	23467	5831	0.560826391	0.343936574	0.615990558	0.347159772
FLJ23867	200058	2717	1.203599076	0.41007119	0.699875912	1.415586454
EFCAB5	374786	5147	0.635356264	0.649405532	0.533651039	1.573179428
CCDC78	124093	1611	2.029906076	1.521514297	2.22957228	0.376962501
METTL12	751071	1382	2.366265332	1.934871358	1.987483283	1.025327092
SLC45A4	57210	3376	0.968654825	1.650123554	0.938765231	1.139261966
ADCK5	203054	1969	1.660832244	2.716091637	2.360723591	1.542119322
C9orf9	11092	726	4.504378359	1.227728291	3.201284263	1.67296581
FAM22G	441457	4194	0.77972787	0.690706939	0.705290095	0.675728203
IGDCC4	57722	6485	0.504268109	0.137444987	0.423546939	0.124859746
HAVCR2	84868	2338	1.398707737	2.668654907	3.614794891	59.65504131
FAM172BF	131909	5009	0.652860589	0.889729226	1.096706687	0.727434524
PCDHB9	56127	4220	0.77492386	1.214490936	0.350472353	0.719533873
LOC22144I	221442	4585	0.713234174	0.680405144	0.322572155	0.397352185
HOXC4	3221	2300	1.421816821	0.775070208	0.275588819	0.176025098
SMCR7	125170	2610	1.252942026	1.878283166	1.538088301	1.861414832
CELSR3	1951	11974	0.273106622	0.279145672	0.141162359	0.253585514
DCHS1	8642	10759	0.3039482	1.201254365	0.373121151	0.677334238
CRISPLD2	83716	4607	0.709828237	0.483682841	0.963095287	1.098485256
PTS	5805	948	3.449555579	2.115500172	5.126107079	2.56239067
RNASEK	440400	1047	3.123379836	5.959231302	3.228802466	10.44045712
ZNF446	55663	1995	1.639187313	2.792389533	1.48270008	1.014681017
SV2B	9899	11361	0.287842504	0.23536592	0.185973736	0.195996611
GLB1L	79411	2505	1.305460554	1.334327454	1.265178212	1.131338955
ZNF726	730087	622	5.257522008	5.015526666	5.095291673	3.57993166
BBS12	166379	3451	0.947603213	0.645704679	1.346932701	0.938528487
C1orf130	400746	3991	0.819388296	1.00500835	0.741164284	1.065148114
MCF2L2	23101	4772	0.685284721	0.373566948	0.221379675	0.424201305
TNN	63923	5008	0.652990952	0.667430166	0.928167881	2.344423732
C16orf95	1.01E+08	1156	2.828874298	2.313142056	2.010495134	0.875557366
LAPTM4B	55353	2242	1.45859888	0.795121087	2.355985296	2.798971789
BMS1P1	728053	4234	0.772361523	0.578922894	0.598823131	0.334672187
FAM169A	26049	5942	0.55034983	0.300010346	0.391136381	0.170337313
SYTL2	54843	4807	0.68029513	0.370846989	0.615349835	0.67378028

CYB561	1534	3173	1.030626753	0.772505368	2.330591443	1.594932737
RPPH1	85495	341	9.589966829	5.22774627	13.63127493	6.529963321
C9orf85	138241	1328	2.462483952	6.376236461	1.909199651	6.859411772
BANK1	55024	3455	0.946506133	1.99936707	0.794993313	3.573997291
BCL2L15	440603	4986	0.65587218	0.893833473	0.678009663	0.811989021
CD300LB	124599	2326	1.40592377	29.21924714	1.544213647	49.34529892
BCO2	83875	2912	1.123000923	1.300877624	1.015792122	0.834184875
MEX3B	84206	3398	0.962383369	0.1311552	1.367941363	0.178718831
DNM1P35	1E+08	7300	0.447969683	0.45787538	0.57886236	0.499139662
C9orf95	54981	1476	2.215568217	2.113589151	2.576643431	3.840113931
WASH2P	375260	1975	1.655786678	2.256533516	1.390735138	1.947416909
HNRNPH2	3188	2392	1.367131559	1.024732246	1.413275996	0.846274511
ZNF688	146542	1839	1.77823746	3.271605486	1.723366732	3.632491831
JOSD2	126119	788	4.149972955	5.655651897	4.826301655	9.76179796
TBC1D10A	83874	2038	1.604601908	1.530744645	2.384469829	1.887217074
RPL23AP6	649946	641	5.101682822	4.866860509	1.31846965	3.158016583
TFAP2C	7022	2895	1.129595402	0.615772531	0.437895878	0.769159756
LOC43999	439994	1179	2.773688455	2.835021434	2.329687784	2.403735438
PNMA2	10687	4846	0.6748202	0.781707726	0.697597231	0.292406529
C11orf67	28971	557	5.871056892	3.60052812	5.68989483	2.180562258
LOC72923	729234	852	3.838237898	2.353866388	3.471815328	1.425555373
ZNF600	162966	2548	1.283429627	1.136901453	1.824279729	2.145046821
DAB2	1601	4597	0.666911577	0.290841007	0.505575892	1.277014798
IGSF10	285313	8571	0.357693679	0.285982911	0.813487006	0.401503987
C2orf55	343990	3884	0.78933896	0.803207412	0.489588788	0.833898509
PLEKHA4	57664	3104	0.987690889	1.220410967	1.089096708	13.95611362
LOC10013	1E+08	2620	1.170149817	0.510303858	0.64514431	0.618103398
ABAT	18	5586	0.548835038	1.874890115	0.869951577	2.319270897
CCDC159	126075	1080	2.838696778	5.983470238	5.477753072	8.059667692
SMAD9	4093	5592	0.548246159	0.478181727	0.340050582	0.07239945
OVGP1	5016	2258	1.357746909	0.296057597	1.590717867	0.896496293
FUT1	2523	4246	0.722042515	0.472325521	1.094739696	1.382580552
GPR141	353345	918	3.339643269	4.854742587	3.682523074	9.040940502
LOC25412	254128	1841	1.66528654	2.90493451	1.491961922	2.41903041
SNX22	79856	3614	0.84831005	0.80155642	1.169257119	1.008223446
LOC10012	1E+08	1053	2.911483875	0.423233969	2.608453844	0.768960543
CCDC147	159686	3313	0.92538259	3.632044967	0.573970073	4.399299165
CCDC30	728621	3098	0.989603783	1.294702494	1.432207872	1.110810416
C2orf76	130355	950	3.227150022	3.04928937	0.889620048	1.704664109
ZNF790	388536	3047	1.006167549	0.585054637	0.970786564	0.398612792
GPR161	23432	2733	1.121768211	0.407670481	1.700792078	0.592546983
BEND6	221336	2727	1.124236348	0.490280935	1.084703579	-
P2RX5-TAX	1.01E+08	6285	0.48779515	0.602729617	0.336173049	0.547540282
CCT6B	10693	1898	1.615275301	2.582886757	0.890557477	0.959883966
WNT3	7473	1506	2.035718805	0.88777962	3.086497178	0.537659663
FLVCR1-AS	642946	942	3.254556816	5.913818597	2.018644217	2.793604266
SLC4A8	9498	5218	0.587541687	1.067615393	0.526389785	1.435390558
FAM158A	51016	896	3.421643438	3.979155085	5.895222136	1.807400562
ABTB1	80325	2020	1.51771907	2.316577416	2.928699662	13.52866163
RPL23AP8	284942	1520	2.016968764	1.319404054	0.973021927	0.399530651
ZNF620	253639	2288	1.339944284	2.240013876	1.846894767	1.857957221
MYO6	4646	8662	0.353935872	0.18007721	0.682980064	0.584244005
C6orf52	347744	701	4.373455807	2.225148064	6.630905492	0.288771559
TBC1D19	55296	2204	1.39101294	1.516556384	0.862778064	0.183692253
ZNHIT2	741	1321	2.320811901	3.036327271	3.83863306	1.072673763
PDE6A	5145	5659	0.541755172	1.023793922	0.522704835	0.608109325
C5orf27	202299	1931	1.587670907	1.961758488	1.750676428	6.918852903
FGF11	2256	2763	1.109588317	1.612976364	1.299978626	2.564245459
C6orf225	619208	2682	1.143099374	0.747760687	0.630230459	0.075476832
EDA	1896	5296	0.578888316	0.21037829	0.119685477	0.229337836
LOC38976	389765	1764	1.737977619	0.884256685	1.077983476	0.91804473
C2orf81	388963	2244	1.366217701	0.496507765	1.129865034	0.811880466

LOC72840	728407	1420	2.159008817	1.098470981	2.827049624	1.710666448
LOXL4	84171	3657	0.83833539	0.304665962	1.444385845	0.166061413
C1orf54	79630	543	5.646026742	4.103732684	3.891063745	4.473566032
ZC3H12B	340554	7273	0.421530664	0.551490214	0.639112436	0.528825574
KIAA1462	57608	9300	0.32965511	0.694854608	0.29534429	0.108832722
PLEKHH1	57475	6540	0.468775615	0.306650484	0.839969999	0.650000936
TRIM7	81786	3026	1.013150205	0.883672246	0.41893872	0.468275625
LINGO3	645191	2130	1.439339212	1.255395407	1.983894473	1.900740497
ADA	100	1566	1.957721916	16.07924226	1.753960343	11.89237254
PORCN	64840	1867	1.642095619	2.14836011	2.263361129	1.734794755
PLEKHM1	440456	2922	1.049210308	2.821632216	1.952323257	5.195812704
LOC72875	728758	2366	1.295770296	1.412717782	1.428806501	1.625591038
KRT8	3856	1802	1.701327703	2.844146365	1.524251886	3.482405523
CASS4	57091	3179	0.964388965	1.542094704	1.860954174	3.565906362
RSG1	79363	1582	1.937921947	1.971970661	2.136887599	0.895702933
ABCB9	23457	3814	0.803826041	1.3437734	0.830957373	1.00842905
SHOX	6473	3757	0.816021432	-	-	0.808206799
C2orf132	140699	3481	0.880721781	0.512111887	0.971145125	0.407067521
PPAP2A	8611	1641	1.868246509	1.629489468	1.931304948	0.616785079
HEG1	57493	9156	0.334839725	0.09734936	0.161532692	0.132653252
NBEA	26960	11140	0.275205792	0.380055746	0.379326322	0.181713522
CCDC169	728591	1199	2.556957899	2.044336557	1.938392306	0.675325648
METRN	79006	1109	2.764465754	2.210243041	1.905182699	0.547598367
TMEM56	148534	6921	0.442969588	0.450752433	0.488449094	0.789709478
SPHAR	10638	1135	2.701138785	0.981641783	2.047693722	0.713405684
FGL2	10875	4268	0.718320647	3.498076354	1.980175833	41.73790989
NINJ2	4815	1073	2.857215769	22.84398446	3.34747525	17.73374941
PTGIS	5740	5603	0.547169823	0.556783435	0.490219864	0.469672536
HDHD3	81932	1787	1.715608573	2.992716527	2.128218078	6.230323146
PTPRU	10076	5632	0.544352365	0.15826185	0.487695649	1.689303366
SWT1	54823	3871	0.791989801	2.24502059	1.364536046	2.876152793
RRN3P1	730092	1628	1.883164939	0.958125794	1.687163328	1.243420534
C14orf33	1E+08	1512	2.027640556	0.589504457	1.11790879	0.133881523
POMZP3	22932	1564	1.960225397	2.137142117	3.782591636	1.035441754
LOC38815	388152	3356	0.913525781	0.265593188	0.692530505	0.060318493
LOC40105	401052	1897	1.61612679	1.174658328	1.002405299	0.85367997
MMRN2	79812	4195	0.730820625	0.053118638	1.762804922	0.820331507
TGFA	7039	4264	0.718994494	3.605875996	1.486525056	5.696872316
LOC15368	153684	2261	1.355945387	4.533526536	1.86894968	5.550902036
PFKM	5213	3536	0.867022772	0.693201225	0.478019822	0.801471742
TCTEX1D2	255758	695	4.41121226	2.885603112	3.34407536	1.165058204
RPS15AP1	728963	914	3.354258775	2.925593235	2.080484521	4.208039821
FLJ39534	285352	2540	1.207004929	0.789564631	0.748646792	1.036053236
CDK20	23552	2406	1.27422798	0.833538721	0.878157778	1.177890308
MERTK	10461	3632	0.84410587	19.44877783	1.803366631	88.729832
IL3RA	3563	1726	1.776241321	0.516414101	3.794801624	9.265283994
MFGE8	4240	2005	1.529073576	1.44480045	2.5290944	2.019240528
LOC64417	644172	2305	1.330061831	1.256757007	1.00830038	1.40514612
LOC10013	1E+08	1796	1.707011426	1.61293146	1.411702192	1.577953275
FLJ37453	729614	2732	1.122178814	1.468150924	1.237392453	0.740954842
F5	2153	9179	0.33400071	3.10737375	0.41432898	3.881411905
PRPF40B	25766	3698	0.829040703	1.265410054	0.685618479	1.040061762
ABHD6	57406	2413	1.270531505	0.646427183	1.05073234	1.174473304
CD300LF	146722	1759	1.742917863	11.14796831	3.002910196	37.17141713
RGS5	8490	5927	0.517258735	0.225577207	0.142591369	0.239075762
ALDH8A1	64577	2567	1.194309513	0.434033278	0.823080488	0.473148881
LOC44242	442421	3705	0.827474365	0.781869069	0.74135004	0.710276712
C5orf54	63920	2808	1.091806453	0.872920061	1.053414052	0.720900509
DOCK4	9732	8343	0.367468839	0.694432435	0.709094249	3.688024352
FLJ13197	79667	2368	1.294675896	1.129219686	1.249149772	1.367762588
AKD1	221264	6326	0.484633658	0.598823212	0.868385045	0.607990578
PLK3	1263	2369	1.294129388	6.960581963	2.229683003	25.20747766



MRGPRX3	117195	1660	1.846862964	1.342365571	1.272799767	1.951121571
VWCE	220001	3536	0.867022772	0.693201225	0.5377723	1.030463669
SNX24	28966	2140	1.432613327	0.624764537	2.073355135	0.378371706
ZNF524	147807	1135	2.701138785	3.533910419	2.047693722	1.783514211
SHISA2	387914	2889	1.061195057	0.462788546	0.43880532	0.350344173
GGT5	2687	2500	1.226317008	1.960927626	0.676111236	0.971658542
SNX21	90203	3184	0.962874535	0.769836536	0.597224514	1.271538084
DEM1	64789	2217	1.382856347	2.110729084	2.191948359	1.460920978
CARD16	114769	758	3.774942418	7.643337471	3.90235707	32.04678569
LOC59510	595101	4301	0.66528862	0.466285553	0.7368685	0.470655343
C16orf93	90835	1575	1.816765938	2.688140324	0.536596219	2.570525244
POU5F1	5460	1743	1.641655968	2.429042461	2.424380509	1.625934642
NPR3	4883	7450	0.38408139	0.089731282	0.311964077	0.163029957
BATF3	55509	992	2.88448221	0.89851889	2.555864049	2.856858953
MID1	4281	6463	0.442736555	0.310303909	0.392297251	0.093963576
KLRG1	10219	1815	1.576532426	2.946547897	3.143079095	2.899807403
TMEM81	388730	1350	2.119560261	1.65061248	2.34760846	0.749736529
IL17D	53342	1873	1.527712949	1.189710009	1.692082979	0.108077343
LOC149134	149134	1123	2.548002095	0.595278766	2.822147302	1.442057795
TMEM234	56063	1108	2.582496708	4.826700753	3.623114139	2.740462946
ZNF443	10224	2736	1.045835655	0.570112863	1.081135475	0.59189726
SLC2A4	6517	3159	0.905794983	0.352694974	0.869484615	0.128160091
HSD17B13	345275	2395	1.194741692	0.837367083	0.793971963	1.183300243
TAS2R20	259295	1914	1.494987645	0.582112552	0.662334675	0.740335444
ACY1	95	1678	1.705248124	0.796779564	0.629573186	0.241273973
LOC348840	348840	2925	0.978258582	0.914185373	0.650106958	0.484445142
ZNF506	440515	3341	0.856452066	0.400178422	0.632399765	0.727071642
CCDC165	23255	6092	0.469699007	0.073155839	0.416187974	0.066457276
UCKL1-AS1	1E+08	3571	0.801289934	0.873608957	0.650835165	1.020363913
DEPTOR	64798	2631	1.08757368	0.254085159	1.445505779	-
PPP1R32	220004	1558	1.836589443	0.858148978	1.356128122	2.07885867
COL11A2	1302	6425	0.445355074	0.277457039	0.29596309	0.598622318
PLA2G15	23659	2764	1.035241083	1.289914239	1.070183306	1.17180239
FAM90A1	55138	2516	1.137283924	0.354265	0.671811642	0.56319636
IL10RA	3587	3802	0.752605564	1.523842663	2.222880183	20.4984514
C17orf104	284071	4688	0.610368249	0.237662846	0.405623475	0.215901091
RNU2-1	6066	188	15.22024656	14.22336286	10.11469602	17.22798834
LMF1	64788	2927	0.977590144	2.055511612	0.721847494	1.314024051
SMPD3	55512	5269	0.543064406	0.253747601	0.481195129	0.883633298
LOC100303	1E+08	2456	1.165067733	0.544379523	1.204391962	0.90664393
ADRB1	153	2862	0.999792576	0.545013555	0.516769158	2.687734728
ASMT	438	1378	2.076492273	2.263902457	1.68659824	2.64420866
DZANK1	55184	3515	0.814055861	0.760737473	0.360656776	0.748670048
ZNF826P	664701	636	4.499066592	3.153292709	3.654296187	1.909706254
TBX19	9095	2882	0.99285439	1.159781496	0.65980668	2.528604811
P2RY1	5028	3122	0.916529902	1.57024954	0.541408741	1.231950159
MTMR11	10903	2879	0.993888973	1.315788691	0.440329478	5.27341602
TIGD2	166815	2101	1.361925917	1.060602974	1.206766843	1.252534611
TMEM8B	51754	3747	0.763652616	0.11893925	0.676652558	0.270121248
LOC100507	1.01E+08	4093	0.69909757	0.707751014	0.619452025	0.741859991
ZNF823	55552	2414	1.185338174	1.476935773	1.750495123	0.670849587
PTPN14	5784	13443	0.212854746	0.331522257	0.251473345	0.316224513
LOC90834	90834	2421	1.181910926	1.288582233	2.094520559	1.505047308
SHB	6461	6021	0.475237727	0.259064739	0.666734839	1.311198415
KCNIP4	80333	2424	1.180448165	0.919276752	0.697309443	0.334041028
TLR10	81793	3990	0.717144449	0.446782325	0.529535743	1.16688317
IMMP1L	196294	795	3.599253274	3.924097593	3.189203945	1.527765003
EFCAB11	90141	695	4.117131443	7.374319063	5.472123316	4.368968265
KHK	3795	2433	1.176081526	0.274762867	1.823666251	0.332805364
BSN	8927	15964	0.17924119	0.237293638	0.145585842	0.177524686
PDGFA	5154	2809	1.018656587	0.158656237	1.053039038	0.288257548
ART3	419	1598	1.790617242	0.697223669	0.264436497	0.633381924

ZNF552	79818	2352	1.216584334	2.179061118	1.527143258	2.409867416
FRMD4A	55691	6804	0.420547671	0.556754209	0.434742307	0.297514496
IFI44	10561	1742	1.642598365	2.174601401	0.121288612	255.0696637
CDKL5	6792	3434	0.833257528	0.908461732	1.230546077	1.355813584
TGM2	7052	3937	0.726798667	1172.970424	0.965995861	2786.957495
RYR3	6263	15563	0.183859561	0.100226742	0.135760947	0.039021178
ZNF34	80778	1943	1.472674397	1.376218331	1.41363968	1.250203991
LOC10027	1E+08	3285	0.871052162	0.746167285	0.90045256	0.246488722
ZNF503-AS	1E+08	2478	1.154724113	0.539546452	1.449491906	0.980285051
EPHB3	2049	4234	0.675816333	0.210517416	0.998038552	0.095620625
TMC8	147138	4419	0.647523501	12.95949309	1.19531999	17.95702971
HARBI1	283254	1530	1.87020023	1.602065054	1.519040768	2.249209588
TREX1	11277	1835	1.559349511	2.064389995	1.957406509	21.95277587
LOC28387	283875	3221	0.888359625	0.830174547	0.787152169	1.256931779
FSTL3	10272	2525	1.133230239	1.588510228	1.255156998	0.72152862
AVIL	10677	3163	0.904649495	0.774947686	0.868385045	1.023984131
LOC28569	285696	3316	0.862909033	0.604793173	0.892034578	0.915691479
OLFML2A	169611	6556	0.436456125	0.305902099	0.322276939	0.308768857
AMIGO3	386724	3008	0.95126541	1.555680312	1.966746449	1.480530248
NUDT18	79873	1519	1.883743484	4.694302773	1.94732499	4.93078863
LOC10050	1.01E+08	2785	1.027434956	1.280187776	1.21384423	1.235651946
OPLAH	26873	4052	0.70617136	2.584683165	1.460013158	2.797634829
IL12RB1	3594	2100	1.362574454	2.864991661	1.408565076	6.362049979
C8orf55	51337	2264	1.263872064	2.263759606	2.333091446	1.251768587
SLC6A20	54716	5455	0.524547452	1.021231369	0.774646238	0.667959584
GUSBP2	387036	1200	2.384505294	0.742775616	2.464988883	0.674762877
IL28RA	163702	4563	0.627088835	0.879024397	0.41673523	0.576720407
PRR22	163154	1407	2.033693214	1.266994654	2.703003344	0.863236089
ANKAR	150709	4443	0.644025738	0.351075578	0.332881686	0.227806508
CFP	5199	1785	1.603028769	40.69661357	2.840803514	37.65063445
LOC44029	440297	6807	0.420362326	0.229150697	0.217275353	0.327121712
LOC64567	645676	1987	1.44006359	2.018615161	1.595003231	2.34316248
LGALSL	29094	3842	0.744770003	0.579991371	0.65992117	0.526884078
DUSP5	1847	2545	1.124324697	3.677395976	2.24152792	67.92701335
H3F3A	3020	1077	2.656830411	6.620841144	7.062443277	6.014599456
TACC2	10579	9706	0.29480799	0.045916482	0.326527037	0.062568163
NFE4	58160	967	2.959055173	1.382622656	2.621941196	3.558728718
HIST1H1C	3006	732	3.909025072	1.217664944	2.020482691	10.50860218
LOC72872	728724	1164	2.45825288	1.531496115	1.81516118	1.217355705
IL17RD	54756	8736	0.327541936	0.357103661	0.266040794	1.529338937
RGS2	5997	1375	2.081022802	6.158285106	8.758713744	21.34704373
ATP6AP1L	92270	758	3.774942418	3.527694218	1.672438744	2.670565474
TGFB1I1	7041	1813	1.465537884	0.122908265	1.981158821	0.223308178
ZBED3	84327	1437	1.849005	0.310135956	0.441095535	1.267821689
PAG1	55824	10759	0.246957913	1.014852826	1.315743007	6.58519398
LOC10018	1E+08	1038	2.559749696	5.366875837	3.663897596	4.485417965
LOC10013	1E+08	1568	1.694528179	2.558028269	1.48222728	0.645500201
CNR2	1269	1789	1.485198538	0.373671355	2.243941009	4.9786864
CTNND1	1500	6363	0.417573501	0.315180601	0.298846904	0.445388037
LOC10012	1E+08	5904	0.450037294	0.377426634	0.178933572	0.514300973
SPDYE3	441272	3206	0.828764874	0.486534246	0.724932119	0.63140631
LPAL2	80350	1968	1.350111882	1.924875834	-	-
RTN2	6253	2317	1.146750188	2.019631584	1.641400822	5.067274083
SRR	63826	2477	1.072676699	2.338978524	1.279479782	0.735510604
ASB3	51130	2456	1.081848609	0.635109443	0.688223978	0.659377404
CAPS	828	1613	1.647253679	1.105183805	0.785932156	2.133472207
RHBG	57127	1928	1.378122502	0.577885593	0.767112723	1.154936459
NOS3	4846	4345	0.611512125	0.564133379	0.583525233	0.186355685
SPAG4	6676	1452	1.829903708	6.445573526	3.201284263	6.970690873
ZNF497	162968	3578	0.742599269	1.058735506	0.944817267	0.792063745
DGKB	1607	6686	0.397400566	0.83320627	0.379212853	0.575254023
IGFLR1	79713	1217	2.183254055	2.563399824	2.604167149	8.150381499

GPR75	10936	2159	1.230671693	1.341743817	1.076485584	0.937604738
MPP7	143098	5207	0.510278507	0.556332802	0.527501805	1.088536233
RAPGEF4	11069	4361	0.609268559	0.56206364	0.678281738	0.557015904
AFF3	3899	8153	0.325894785	0.218650985	0.259149713	0.4717464
MTCP1NB	1E+08	1042	2.549923402	2.352360396	4.86644364	2.525504048
C7orf54	27099	2569	1.034262431	0.520434452	0.657951768	0.551577283
LOC143666	143666	2078	1.278643015	0.857873666	1.321800721	1.266398084
LRRC23	10233	1822	1.458298674	0.856108009	0.695778577	1.55543583
RALGPS1	9649	6342	0.418956194	0.491904381	0.233206138	0.383025285
KLLN	1E+08	4277	0.621234553	0.989904375	0.642202922	1.514548425
ZNF323	64288	3554	0.747614008	0.877787728	0.891747727	0.284790184
PNCK	139728	1888	1.407320013	2.124464155	2.12627673	10.40021171
ZSWIM3	140831	2986	0.889825916	2.388026092	1.344410739	2.304950214
CPT1B	1375	2951	0.900379595	0.453065438	0.429586096	0.548773603
FAM86HP	729375	2116	1.255680617	0.421233809	0.499255107	0.095665814
DEFB1	1672	484	5.489711125	-	2.182693816	-
PSTPIP2	9050	3054	0.870013158	1.021498882	0.622646644	8.8156643
DDX11L2	84771	2164	1.227828181	1.44161626	1.073998325	0.935438369
IL31RA	133396	2393	1.110330207	3.538504814	0.794635542	3.637459719
ARHGAP24	83478	4644	0.572140436	0.335880446	0.272977728	0.348714665
KCNRG	283518	1625	1.635089344	1.782661478	1.950320874	1.494859296
C2orf15	150590	1430	1.858056073	1.40244347	2.068522139	0.990910518
CHP2	63928	2391	1.111258965	1.211553702	1.060400308	1.523931214
EPS8	2059	4088	0.649956014	0.43607179	1.188735203	0.693249531
IFITM3	10410	678	3.918908827	4.2726031	4.05118274	114.0528402
CIDECP	152302	803	3.30886698	4.440003681	3.157431054	6.050177722
F2R	2149	3847	0.6906733	0.753008812	0.768907372	0.473579352
STARD5	80765	1344	1.976949542	1.326385028	2.200882931	1.807400562
TMEM99	147184	2083	1.27557378	1.06976805	1.014329147	0.29154421
TCN2	6948	2104	1.262842293	2.118181414	1.606728223	11.93021816
TREM1	54210	948	2.802763908	2.115500172	3.120239092	17.08260447
MAPK11	5600	2420	1.097942225	0.276238865	0.873077526	0.08364829
JAK3	3718	5449	0.48761611	0.695201989	0.387749608	0.780144269
LRRK2	120892	9239	0.287587421	6.415574645	0.823276481	28.35187235
ACVR2A	92	5244	0.506678144	0.169971537	0.443198393	0.270213967
ASB16	92591	2139	1.242178674	2.083522064	1.679215027	1.324920094
CBR3	874	1128	2.355514348	0.395093413	2.435019413	0.358916424
C17orf59	54785	1932	1.375269247	2.076080914	2.405934136	3.352859014
STOML1	9399	2116	1.255680617	1.158392974	0.898659193	1.052323957
FKBPL	63943	1357	1.958010453	1.149468529	2.958298059	1.790085745
C19orf20	91978	1134	2.343051309	2.947522285	2.794771976	2.14210437
PGM5P2	595135	1976	1.344645842	1.917082814	1.176180352	1.024437566
CTSW	1521	1327	2.002275949	1.175455006	4.458156231	1.067823693
BLVRA	644	1094	2.428720461	1.629489468	1.545043959	3.700710474
ANKRD9	122416	1626	1.634083754	1.918608602	1.819179987	1.369444952
ZNF530	348327	2964	0.896430562	1.278055209	1.211822181	0.614662539
ZMYND12	84217	1782	1.491032651	1.875696	1.54135909	1.249560882
C9orf103	414328	977	2.719570301	4.33349131	1.29755227	3.315109322
FOXN4	121643	3356	0.791722343	0.464788079	0.755487824	0.060318493
AKR7L	246181	2332	1.139374007	0.573325947	0.634216694	0.260414489
FLVCR2	55640	3669	0.724181026	0.182201705	1.266902358	1.213800759
PAQR7	164091	3023	0.878934894	0.51598703	0.629031708	1.071406486
CLEC12A	160364	1619	1.641148971	1.101088004	1.435535747	0.625166346
SLC16A13	201232	1770	1.501141347	3.525036821	1.43243906	5.260863105
C12orf26	84190	2105	1.262242368	2.117175152	2.509320206	1.730983151
PAPLN	89932	5849	0.454269137	0.952439241	0.541848422	0.62296453
ZNF784	147808	2006	1.324536483	2.443828048	2.949139241	1.816410535
OTUD1	220213	3125	0.850246459	0.213919377	0.405666742	0.518217889
POM121L1	646074	9547	0.278309436	0.350108963	0.287703142	0.233237404
RHPN2	85415	3546	0.749300672	0.18852173	2.2641909	0.171259613
IL18R1	8809	3522	0.75440664	2.151138921	2.219629804	7.299393979
TMED10P1	286102	4033	0.658819783	0.221009358	0.314333887	0.501931225

FMO4	2329	2148	1.236974015	2.800969501	0.983634829	5.560196887
CMPK2	129607	3009	0.883024322	1.258941722	0.280870404	52.1377098
TSSK4	283629	1330	1.997759537	1.842977092	1.588607228	1.826425831
EFCAB3	146779	1694	1.568488893	0.789253901	1.746155053	0.358492673
SOX7	83595	3219	0.825417889	0.553793563	0.328183848	0.188656909
NCF1C	654817	1456	1.8248765	227.4240175	8.706789617	449.3475859
LOC100131	1E+08	1574	1.688068732	1.274138604	1.476577112	0.771647508
LOC641298	641298	5010	0.53034335	0.4892534	0.210863035	0.404049627
LOC729799	729799	2586	1.027463335	1.034026379	0.653626485	0.547951292
MMP19	4327	3262	0.81453715	0.478181727	3.821520822	3.909570315
LOC401093	401093	6669	0.398413583	0.768503786	0.696995764	0.273183351
HIVEP3	59269	8875	0.299382556	3.866617854	0.499941407	11.7009585
ZNF286B	729288	5328	0.460329207	0.418229513	0.356899935	0.189967026
C22orf23	84645	1988	1.233719324	1.457155383	1.169080672	1.018253838
TMEM42	131616	981	2.500136612	3.634376102	3.446030766	1.444446525
FBXO27	126433	2338	1.049030803	1.429636557	0.722958978	1.385313006
SLC41A2	84102	3548	0.691272271	0.942077303	1.13145729	2.053956896
SLA2	84174	2497	0.982232285	1.963283566	1.946155191	1.216032417
CYP2E1	1571	1667	1.471286153	2.406111773	1.267455077	1.700062436
UBAC2-AS1	1E+08	1821	1.346861074	-	0.464107109	0.222327142
KLHDC8B	200942	1999	1.226930473	0.780304549	2.219599794	6.278433969
GOLGA8G	283768	5282	0.464338133	0.08437436	0.600013521	0.114972849
CCDC144A	9720	5828	0.42083631	0.497053003	0.47129408	0.27787078
LOC441666	441666	6661	0.368208079	0.301080042	0.222037732	0.303901611
KLK1	3816	874	2.80621741	3.314444968	1.450467469	2.547731685
TNFSF13	8741	2293	1.069617975	1.554872637	1.474294017	2.030468316
C1orf56	54964	2055	1.193495872	1.084343965	1.130964659	0.689538706
PRKCE	5581	5537	0.442953588	0.52317589	0.26711095	2.997862879
DCAF4L1	285429	4772	0.513963541	0.513654554	0.575587154	0.381781175
RPS6KL1	83694	5195	0.472114344	0.686298933	0.447378705	0.233796569
KIF13A	63971	5950	0.412207398	0.074901743	0.213060264	0.442281549
MGC21881	389741	2581	0.95026502	1.03602953	1.146062247	0.470582401
PCP2	126006	720	3.406436134	4.332857759	1.467255287	7.591082361
BACE1-AS1	1E+08	798	3.073476211	1.116955813	1.323839357	2.029362035
FAT1	2195	14773	0.166021391	0.060335121	0.085812534	-
LOC100091	1E+08	3470	0.706810956	0.770602944	0.487111842	0.700042177
FAM113B	91523	2091	1.17294788	1.705080323	0.707313883	3.581955012
RNF215	200312	1922	1.276084296	1.855006741	1.868803821	1.263863869
DMPK	1760	3261	0.752111014	0.136665247	0.71270542	0.062075702
STS	412	6377	0.384606244	0.244602288	0.397587759	0.412666649
FLJ43681	388574	2256	1.087160468	0.790186825	1.030200521	1.256207483
C4orf19	55286	3648	0.672322921	0.733002252	0.984605522	0.776865154
GMCL1P1	64396	2923	0.839081087	0.457405443	0.722835311	0.207761406
MFNG	4242	2129	1.15201222	0.837323381	2.381791579	5.799981513
EXD3	54932	2887	0.849544169	0.617478863	0.731848844	0.560939004
SLC9A4	389015	4174	0.587597992	0.587244737	0.607431034	0.727463571
CACNA1E	777	15101	0.162415338	0.059024617	0.069957209	0.040214992
MAGEB2	4113	1628	1.506531951	0.821250681	1.16803615	1.492104641
TMPPE	643853	3985	0.615466504	1.342028716	1.113420323	1.930312871
ISYNA1	51477	2427	1.010562018	1.009954484	0.522335628	1.334512488
KIAA1324	57535	7032	0.348781857	0.475325693	0.420646567	0.604523055
LOC100281	1E+08	1734	1.414437149	1.799110488	2.071419229	1.517632767
SPIN2B	474343	1277	1.920621783	1.046982074	1.158178018	1.426671704
DUSP18	150290	2453	0.999850802	1.271772355	1.291998133	2.145597406
TESK2	10420	3093	0.792962825	0.936574491	1.161280615	3.272370885
TSGA10	80705	3685	0.665572325	0.665172193	0.860046518	0.76906488
FHAD1	114827	5090	0.481853441	0.262671141	0.290568434	0.67608854
KIAA1908	114796	5822	0.421270013	0.842033505	0.181453763	0.452005362
ZNF583	147949	2590	0.946962941	0.946393642	0.978925535	0.547105035
BLVRB	645	874	2.80621741	1.784701136	3.142679517	4.863851398
FGD6	55785	9288	0.264064817	0.359871907	0.432214736	1.373063993
LYPD6	130574	4111	0.596602777	0.05420401	0.565344776	0.049240784

BOLA2	552900	1030	2.381198074	1.298054474	0.615392509	0.393065753
ITGA2B	3674	3334	0.735643076	1.670910953	0.633727539	4.371589122
LOC14983	149837	3591	0.682994714	0.682584108	0.411861133	0.789196347
DEPDC4	120863	1155	2.123492655	0.385857463	2.378096881	0.701052339
CD69	969	1676	1.463385451	2.260236062	3.025557442	14.49371334
VN1R2	317701	1311	1.870811607	2.379601515	1.611630521	2.316119713
BCAS1	8537	3475	0.705793962	0.512996109	0.547212332	1.048552384
DUSP1	1843	2040	1.202271577	0.546158541	4.24640942	7.442237609
PDE11A	50940	9285	0.264150136	0.143995273	0.204799446	0.130810251
WNT7B	7477	3928	0.624397662	0.737480881	0.376525797	0.566883272
CXorf36	79742	4735	0.517979729	0.188243028	0.401597223	0.299261255
DIO2	1734	6703	0.365900942	1.063799181	0.252167401	0.724793781
LOC10012	1E+08	2497	0.982232285	2.052523728	2.20000152	0.972825933
ANGPTL2	23452	3572	0.686627664	-	0.236601077	-
POLN	353497	2899	0.846027601	1.844768691	0.72881946	2.16464117
BCL3	602	1864	1.315790781	9.324543675	2.493704265	30.08197159
EYA1	2138	4341	0.564992863	0.410656871	0.34070337	0.093263701
CXorf65	158830	882	2.780764191	2.526447673	3.353726371	4.819734832
ZNF280B	140883	5733	0.427809876	0.466421109	0.737082719	0.317784714
C10orf140	387640	6613	0.370880692	0.303265411	0.383398932	0.122442984
PIPOX	51268	2412	1.016846607	1.108620322	0.525583983	1.426737425
TTC4	7268	2395	1.024064308	0.558244722	0.529314642	0.42260723
BMI1	648	3435	0.714012814	0.518969863	0.676603311	0.707175067
DNAH6	1768	12795	0.19168691	0.156740458	0.099078434	0.03164187
AIF1L	83543	3533	0.694207194	0.504574435	1.614686826	0.515669337
ZNF662	389114	5612	0.437033859	0.436771121	0.225892475	0.57713147
SLC9A7P1	121456	3306	0.741873568	0.202207518	0.319547431	0.367384506
MUC20	200958	6462	0.379547202	0.482769667	0.425054456	1.190389476
CKM	1158	1719	1.426779533	1.944438785	4.056077443	2.237433622
DAND5	199699	1732	1.416070448	1.543875414	0.365966677	1.285633656
NKX3-2	579	2241	1.094437312	0.994344867	1.791347821	0.993626726
ZSWIM5	57643	5860	0.418538228	0.532364776	0.43266504	0.37998592
ABP1	26	2438	1.006002468	9.596977809	3.293199726	9.216408445
GRK4	2868	2321	1.056714354	1.152086263	1.27444492	0.523297362
HOXA11-A	221883	1628	1.506531951	1.916251589	2.465854095	1.865130801
TMEM236	653567	5464	0.448871526	0.489383641	0.425353656	0.259334195
LOC33875	338758	2998	0.818090066	0.594616904	0.845702847	1.282904735
ANXA9	8416	1843	1.330783514	0.362722764	1.375701105	1.208202655
SEMA4G	57715	4415	0.555522994	0.302830376	0.478561181	0.275101513
EPS8L1	54869	2607	0.940787885	0.598323281	1.053587226	2.717687075
HCN3	57657	3717	0.65984235	1.019143299	0.341056919	0.490142525
HIATL2	84278	802	3.058147153	3.334154884	2.897920667	1.766835462
SLC5A5	6528	3594	0.682424601	0.806016945	0.587881918	0.619565246
ST8SIA1	6489	9737	0.251888058	0.160196035	0.130194985	0.270265505
RNF208	727800	1079	2.27306211	0.20651778	1.370707442	0.375215687
AKIRIN2-A	55389	914	2.68340702	0.975197745	3.236309255	5.758370281
LOC10050	1.01E+08	1011	2.425948582	6.391837643	6.269577488	7.00792305
PALM2	114299	9500	0.258172002	0.187648577	0.222405012	0.191774712
RPL21P44	402176	1797	1.364849202	1.860039105	0.823034685	2.590909209
PRH1-PRR4	1.01E+08	1603	1.530027459	1.390097846	1.318058399	0.63140631
NUDT4P1	440672	3785	0.647987851	0.176617716	0.558216014	0.641782392
TPPP	11076	6039	0.406132475	2.656723514	0.489813986	4.055951717
ZNF878	729747	1762	1.391960282	1.770520764	1.558854652	1.033972626
TMED6	146456	940	2.609185124	1.659392333	2.47248125	0.646049563
XKR5	389610	4908	0.499721682	0.771832853	0.602686768	0.371202071
ZEB1-AS1	220930	2232	1.098850366	2.096544077	1.230601209	0.72555148
RAP1GAP2	23108	6680	0.367160781	0.667163727	0.474441829	2.12126054
FAM171B	165215	3557	0.689523198	0.313231213	0.29699854	0.113819996
C1orf93	127281	2845	0.86208577	0.234972954	1.782367055	0.569220001
KIAA1161	57462	4205	0.583266116	0.264961575	0.552706867	0.144420116
CMAHP	8418	2484	0.987372792	0.5382432	0.510349665	2.36329993
DHRS12	79758	1970	1.244991887	0.113113038	1.394264923	0.616534608

PSD	5662	4183	0.586333736	0.532710219	0.707144791	0.435539031
C5	727	5480	0.410264206	1.585853048	0.501222974	0.701851897
KIAA1614	57710	4155	0.541094548	0.804450125	0.813611596	0.584632095
KIF7	374654	4575	0.491420295	0.292239587	0.508007076	0.176986984
TFR2	7036	2891	0.777671342	1.926951615	1.315505259	3.150916234
NEK5	341676	2949	0.762376347	0.906745411	0.286584959	0.617789002
TRPM6	140803	8431	0.266664435	0.422882571	0.325786016	0.384161049
RNF207	388591	3987	0.56389462	0.335338878	0.317960514	0.304633353
CHKB	1120	1648	1.364228063	1.352140077	0.384620318	0.61416524
PRORS1P	344405	2154	1.043754804	1.758660929	2.157968779	0.751824932
SCNN1D	6339	3426	0.656231129	0.455291533	0.431696827	0.177258199
DZIP1L	199221	3498	0.642723799	0.955543245	0.241606359	0.810178411
CLEC7A	64581	2622	0.85745532	1.529743831	2.25628273	27.40741661
LOC100289	1E+08	1876	1.198426358	1.069026739	0.337875418	0.863236089
ZNF673	55634	2502	0.898580275	2.40466926	1.01335617	2.669925051
SLC22A5	6584	3295	0.682321047	1.352550438	0.705351252	0.982962612
GSTM3	2947	4144	0.542530851	0.53772366	0.560842755	0.732729958
TMEM187	8269	1682	1.336651515	2.119692602	1.25615197	1.323851066
ZNF230	7773	4132	0.544106449	0.485356767	0.35793643	0.538895811
STX1B	112755	4544	0.494772854	0.343272182	0.27898516	0.712777686
PARD6A	50855	1273	1.766102002	1.575407826	1.991686674	1.590171744
TRIM16L	147166	1982	1.134332921	0.562140981	0.639610781	0.612801805
LOC344595	344595	3278	0.685859624	0.407869466	0.257821551	0.370522629
RHEBL1	121268	1192	1.886113967	0.560820515	1.063513899	1.188760101
TGM1	7051	2777	0.809595912	0.962906812	0.684754358	1.82237003
GDAP1	54332	3899	0.576621659	1.428781	1.083789491	2.388234854
MSRB3	253827	4598	0.488962125	0.339240712	0.505465936	0.748432073
CGN	57530	5132	0.438084148	0.086840485	0.741061127	0.157777758
FLJ39639	283876	2443	0.920281559	0.638489068	1.037829364	0.497164625
STAG3	10734	4285	0.524678611	0.520029603	0.641003943	0.708619124
AGPAT9	84803	2534	0.887232774	2.638113868	2.834917871	4.154025601
RAB42	115273	1149	1.956699607	1.939361921	3.309944042	1.585604671
SERINC4	619189	1490	1.508891173	0.299104275	0.85081112	0.135858297
SPATA24	202051	719	3.126909386	1.859521709	1.469295976	0.844626688
PDF	64146	1180	1.905294787	1.888412583	2.86487812	0.514649652
PIWIL2	55124	3997	0.562483825	0.222999935	0.26430418	0.202580799
C9orf47	286223	4911	0.457798381	0.045374198	0.688364118	0.041219479
AKAP7	9465	2943	0.763930631	2.044336557	0.646130769	3.783074231
AIPL1	23746	2981	0.754192502	1.49501969	0.283508569	1.426033587
TMEM91	641649	1091	2.060722134	1.633970191	0.774646238	0.556632987
ELMO3	79767	2548	0.882357868	1.399263326	0.829218059	1.271138857
ALDH1L2	160428	7555	0.297584096	0.08848419	0.167797296	0.107176102
BCL11B	64919	7816	0.287646859	0.142549056	0.297355729	0.025899292
PBLD	64081	2587	0.869055991	1.464304461	1.061732469	1.017230467
ZNF469	84627	13203	0.170283106	0.573832559	0.176030628	1.65585982
LHX4	89884	1909	1.177709716	0.116727441	1.881530091	0.530196079
PDE8B	8622	4405	0.510385437	0.607035691	0.383718068	0.183817356
LOC100130	1E+08	1928	1.166103656	1.040194068	1.20546285	1.364924906
LOC100129	1E+08	1422	1.581046307	1.253629731	1.485828139	0.142355037
CD99P1	401577	2915	0.771268559	0.535104217	0.942264802	1.180545684
THPO	7066	1805	1.245566675	2.345607208	1.404663233	1.682234318
MTX3	345778	7882	0.285238245	0.197897589	0.160835901	0.205459389
GPR97	222487	2676	0.84015241	78.94072688	0.710598973	223.5341144
DDX39B	7919	2174	1.034152644	1.43498509	1.263432336	-
ADC	113451	2210	1.017306719	0.100829269	1.338455502	0.549580623
ZSCAN23	222696	3178	0.70744111	0.981641783	1.130220561	0.509575489
ANTXRL	195977	2129	1.056011202	0.313996268	1.587861053	0.855734977
KREMEN2	79412	2071	1.085585634	1.18356327	1.734351011	0.390978007
CALHM2	51063	1966	1.143564521	0.680059058	1.612040397	0.102964834
PDZK1	5174	2301	0.97707425	0.774733367	0.642761117	0.439871497
KLF15	28999	2539	0.885485565	0.087763956	0.582510173	-
DRAM1	55332	3553	0.632774514	8.592197526	1.962397164	16.80735001

SPSB1	80176	3130	0.718290047	1.708621225	0.675031186	4.85053186
FLRT1	23769	3252	0.691343127	0.205565207	0.324853569	0.062247498
RGNEF	64283	6369	0.352998563	0.139948303	0.06634786	-
IDI2-AS1	55853	1324	1.698072393	0.84151316	1.117064448	-
ZNF483	158399	2425	0.927112515	-	-	-
RPS6KA6	27330	8223	0.273409686	0.189690964	0.179860553	0.073852194
IL9R	3581	2175	1.033677172	0.922066282	3.885696761	1.209919641
LOXL2	4017	3810	0.590091299	0.350917614	0.388187226	0.637571222
HOXC8	3224	2290	0.981767619	0.973068492	1.476225407	0.79557195
RRN3P2	653390	2412	0.93210939	0.831465242	1.401557289	1.258885964
IL32	9235	1157	1.943170137	0.192595233	13.87868787	3.149282224
ZNF167	55888	3483	0.645491774	1.599430697	1.152572629	0.69742933
SCARF2	91179	3523	0.638162886	1.897524991	0.779648566	1.436480719
CTSK	1513	1825	1.231916629	2.319901923	2.083904496	1.996558648
MLANA	2315	1524	1.475228247	3.801607482	3.743233961	3.055028772
ADAMTS13	11093	4941	0.455018791	0.856875331	0.5559	0.614538139
ABHD16B	140701	1776	1.26590532	2.132970518	0.951733159	4.217267978
C7orf53	286006	1686	1.333480337	1.057331837	0.877220243	0.240129138
ADPRHL1	113622	1917	1.172794913	1.976085363	3.967788946	0.527983471
CD300C	10871	1548	1.452356491	8.205079477	1.228399775	17.26137591
IL18RAP	8807	2668	0.842671607	6.514598729	2.217381304	12.13966195
KIAA0895	23366	4471	0.50285123	-	0.567080549	0.09055194
LOC100130	1E+08	1788	1.257409311	0.623133906	1.299850322	0.905721982
TCP11L2	255394	2243	1.002339656	0.993458247	2.260737527	3.42946803
TNFRSF25	8718	1665	1.350299008	0.401500333	2.284159582	0.36473669
CATSPER1	117144	2634	0.853548917	1.776570379	1.604288241	4.841692622
SFTP8B	6439	3681	0.610770945	0.42375137	0.631386138	0.879886392
NCALD	83988	3826	0.587623588	0.174725053	0.331340452	-
AP3B2	8120	3746	0.600172944	0.118971001	0.394819362	0.432309371
MYO15B	80022	9424	0.238566198	0.354678509	0.201778741	0.579963848
GNRH1	2796	2166	1.037972229	0.617265055	1.170552695	0.747659697
AP1S3	130340	4005	0.561360262	1.224049704	0.685818202	1.870129321
LOC143188	143188	3235	0.694976151	0.344409095	0.783745637	0.876044538
LOC145663	145663	1424	1.578825736	1.251869015	1.483741302	1.848016305
CDC42EP2	10435	2001	1.123562143	0.779524634	0.422358344	2.933751637
KCNE4	23704	2976	0.755459627	0.449259445	0.496973565	0.54416361
GCSH	2653	1538	1.461799641	0.724423552	1.23638677	-
LCAT	3931	1354	1.660448928	2.304030714	1.248359004	2.691077942
FZD4	8322	7394	0.304063815	0.421917445	0.200026147	3.257916512
TICAM1	148022	2720	0.826561709	1.146932936	0.776782211	6.549169096
FAM41C	284593	1779	1.263770573	2.505145416	2.494086559	2.048184111
MORC2-AS1	150291	2134	1.053536949	0.939781707	1.485131875	0.284576658
ICAM2	3384	1352	1.662905213	0.824085373	0.625102844	2.994509807
CACNB2	783	4468	0.503188865	0.448857243	0.898480409	0.226531852
FLJ27352	145788	782	2.874997249	0.569904565	2.161480935	1.81202307
SLC7A14	57709	10133	0.221873862	0.197917119	0.104255779	0.199771897
COL5A1	1289	8439	0.266411642	0.105620422	0.350513883	0.095949218
CX3CR1	1524	3264	0.688801424	9.899123556	0.453122956	4.775435799
SNHG11	128439	1101	2.042005312	4.452605871	7.292298757	2.941745511
SLC46A3	283537	3372	0.666740169	0.396499439	0.438610121	0.900484266
PPP1R13L	10848	3122	0.720130637	0.428249875	0.541408741	0.259357928
CACNB4	785	8067	0.278696895	0.359095686	0.288103679	0.150560701
SPIRE1	56907	5444	0.412977195	0.368386143	0.11643172	0.037183847
MAP3K9	4293	5602	0.401329498	0.676214859	0.67888713	0.831107434
NAALAD2	10003	3196	0.703456774	0.766946036	1.189964238	0.190014577
KLB	152831	6079	0.369838435	0.366561416	0.278051997	0.332996978
NKD1	85407	2604	0.86338243	1.112451959	1.135939577	5.597111418
INMT	11185	2639	0.851931735	1.097697954	1.200936499	0.920479862
KLHL3	26249	6806	0.330333213	0.818515592	0.434614555	0.832795792
RAB40B	10966	1776	1.26590532	0.501875416	1.903466319	0.341940647
PIK3IP1	113791	2478	0.907283232	0.539546452	0.937906527	2.042260522
TOB2P1	222699	3592	0.625904189	0.310179127	0.352925548	0.112710948

ZNF425	155054	3244	0.693048042	1.373814333	1.432880626	1.560025146
APOBEC2	10930	1643	1.368379701	0.678127464	0.900178533	0.616034276
BMP7	655	4049	0.555260027	0.660408056	0.834911381	0.649932136
HESX1	8820	1182	1.902070938	2.073739029	1.430015305	64.56487423
POTEM	641455	6666	0.306609913	0.233997719	0.158479419	0.060734732
FLJ35390	255031	2159	0.946670533	1.651377006	0.880760932	1.312646633
A2LD1	87769	2678	0.763204511	2.579467224	1.341240083	2.267687038
TNFAIP6	7130	1439	1.420334733	2.322786846	0.293654985	30.66677701
LOC100130	1E+08	3803	0.537434047	1.171878437	0.555573919	0.904888422
GIMAP2	26157	1523	1.341997164	4.681973678	2.080939869	24.05753394
ALG1L2	644974	969	2.10924838	0.919845964	1.090220647	2.297954069
FCGBP	8857	16407	0.124572541	0.027163124	0.283309852	0.049351829
LOC100500	1.01E+08	1181	1.730619543	0.754725435	1.252322887	1.371237006
C14orf105	55195	2512	0.813639204	0.532243674	0.756991581	1.128186338
CATSPER2	440278	1649	1.239455234	0.945924071	0.768774147	0.736551351
TSSK3	81629	1330	1.536738106	3.35086744	1.270885783	3.044043052
ALG14	199857	1057	1.933643974	2.529793961	2.398691709	1.915126423
C8orf76	84933	1351	1.512850985	1.81432978	2.815044933	1.648199476
MDGA1	266727	8907	0.2294669	0.375265552	0.142327222	0.295450232
S100A1	6271	607	3.367152686	5.506573758	6.961606635	4.668869986
LOC727890	727896	3412	0.599021595	0.391851146	0.247696086	0.296642531
SRGAP1	57522	8475	0.24116362	0.867667091	0.149582132	1.958603748
C3orf18	51161	2712	0.753636313	0.410827221	0.311629442	0.746419111
TRIM58	25893	5158	0.39625081	0.518416483	0.573475506	0.902649059
FICD	11153	1651	1.237953774	1.889556382	1.91960716	3.31046596
SYNE1	23345	27748	0.073657982	0.080305854	-	-
GNRHR	2798	5843	0.349796625	0.038136691	0.216961932	0.242512757
NOL3	8996	1885	1.084276754	0.591068129	1.232961472	0.536946586
PNPLA7	375775	4806	0.425272926	0.370924153	0.571515168	0.336960238
KIAA1217	56243	7773	0.262943739	0.229340213	0.217455048	6.354386024
GTF2H2	2966	1951	1.047596966	2.055862801	1.407843105	1.141321114
ZNF80	7634	2957	0.691194346	0.678219196	1.143238479	1.506065264
CMTM1	113540	1081	1.890713858	4.534985258	2.345436759	8.801254911
RTEL1	51750	5042	0.405367251	0.530343557	0.460954458	0.120445575
OR7D2	162998	3224	0.633952134	0.345584188	0.393209854	0.56509298
LRRC39	127495	1423	1.436304765	1.722529538	1.633262386	2.418334976
RAB36	9609	3822	0.534762344	0.349815832	0.386968427	0.582605309
DHRS3	9249	1825	1.119924208	69.2307574	0.694634832	135.1004685
OTUB2	78990	3873	0.527720547	0.460279235	0.381872794	0.627200195
ITGA10	8515	5189	0.393883538	0.171773124	0.244306912	0.078022302
SIRPD	128646	868	2.354679355	5.391113341	1.703909366	4.431046539
LOC100500	1.01E+08	5619	0.363741178	0.356913003	0.526425816	0.828592961
MAPK10	5602	4213	0.485132134	0.105783378	0.351054671	0.192194506
ERMN	57471	3790	0.539277488	0.587949036	0.334487749	2.670565474
ZNF837	116412	2050	0.997005698	0.652193224	0.824525898	0.394983147
ACRC	93953	3178	0.643128282	0.841407243	0.997253436	1.210241786
SNPH	9751	5026	0.406657716	0.08867198	0.252230117	0.040276336
FLJ12825	440101	3942	0.51848343	0.565278246	0.267991833	0.410814537
DTX2P1-U	441263	1782	1.146948193	2.751020799	2.252755593	2.612718209
LILRA6	79168	3930	0.520066585	0.737105573	0.376334181	3.090516992
CD19	930	1968	1.038547602	3.623295687	1.180961573	2.777225254
LOC100120	1E+08	2068	0.988327698	0.646516493	0.817349174	0.097886297
LOC100130	1E+08	1287	1.588082114	1.731411692	1.477515814	1.887448606
FABP6	2172	752	2.717901171	7.408001487	4.214456676	3.499435131
CLCF1	23529	1860	1.098850366	0.958420149	1.590315408	0.652996332
C1orf213	148898	2879	0.709920695	0.077399335	0.733882464	0.140624427
PCSK6	5046	4559	0.448313595	0.244387678	0.185378163	0.222010159
MSMP	692094	693	2.949295354	1.286191543	2.134189509	2.044735989
SEC1	653677	2649	0.771559713	0.504717293	0.319040787	0.22925126
TNFRSF14	8764	1730	1.181422937	11.97886687	2.076208638	25.39136605
LTA	4049	1459	1.400864757	0.305459472	1.158518225	0.832469621
LOC653160	653160	1917	1.066177194	1.627364416	0.991947236	1.795143803



ZNRF2P1	441208	2034	1.004848417	1.095539256	1.350394247	0.696657837
STRC	161497	5515	0.370600486	0.121214516	0.229865561	0.293641143
AURKAPS1	6791	1537	1.329773377	0.869873851	0.824794124	0.526815518
HEXIM2	124790	1330	1.536738106	1.172803604	1.588607228	1.369819373
NAV1	89796	13029	0.156870188	0.136822586	0.145948488	0.450566968
SLC14A2	8170	4167	0.490487564	0.748657928	0.55774715	1.505950264
GBP4	115361	6160	0.331795727	0.687308606	0.308695268	6.900983964
WDR78	79819	3871	0.527993201	0.518081675	0.436651535	0.209174749
ADAMTS15	170689	5676	0.360088386	0.078517507	0.93060589	0.249647999
AKAP2	11217	7016	0.291314379	0.06352129	0.210802926	0.028852461
C8orf73	642475	3251	0.628687075	1.096685006	1.429795371	0.809466385
RNU105A	26768	158	12.93583342	2.820666895	1.337245325	-
CRABP2	1382	1088	1.878549339	1.638475623	0.970977764	0.558167821
CEP112	201134	3525	0.579818916	-	0.239755758	0.057426628
COLQ	8292	3136	0.651741607	1.279014134	0.808487607	0.580950181
C15orf62	643338	2503	0.816564794	1.246367394	0.675300875	0.646995966
NPL	80896	3027	0.675210334	0.515305184	2.303401759	4.346837163
SCNM1	79005	2085	0.980269391	1.282490272	1.621369871	1.456322755
DHRS4	10901	1289	1.585618061	1.03723515	1.803050718	1.256346706
MTAP	4507	4937	0.413988592	0.225676205	0.256777105	0.410024029
GEMIN8P4	492303	1715	1.191756082	0.259863189	1.478377339	0.944274579
KIAA0226L	80183	3993	0.511861177	0.558058314	0.740793053	3.396627553
EFHA2	286097	3987	0.512631472	0.223559252	0.317960514	0.609266706
SLC26A9	115019	4815	0.424478023	-	0.789849575	0.042041301
PCSK4	54760	2674	0.764346178	0.249999272	0.711130461	0.151405283
HRH2	3274	3095	0.660375341	1.367955092	0.7509313	1.046482006
AOC2	314	2681	0.762350496	0.748039598	0.709273723	0.151009969
AGPAT4-IT	79992	1869	1.093558952	0.238451241	0.452187825	0.866469183
BHMT2	23743	2651	0.770977624	0.588392604	1.27520037	1.145391529
ID2	3398	1402	1.457818602	19.0726977	3.466155144	89.08602599
FAM92A1	137392	1135	1.80075919	0.981641783	0.744615899	0.356702842
KCTD11	147040	3081	0.663376073	0.723247922	0.960073567	1.773962772
PAPL	390928	2962	0.690027576	0.75230481	0.998645057	0.478393667
ZFYVE28	57732	4161	0.491194828	0.053552676	0.1523322	-
ZNF185	7739	4440	0.460329207	0.451687874	0.428279922	0.136776259
ADORA3	140	2261	0.903963592	1.576878795	4.111689297	11.37039611
FAM13A-A	285512	3210	0.636717034	1.180110791	0.592387181	1.072053168
WWC3	55841	6463	0.316240396	0.137912848	0.392297251	0.187927151
LOC100288	1E+08	2183	0.936262795	1.020763558	0.483932115	1.298215337
ZNF876P	642280	2621	0.779802244	1.105236513	1.047959518	0.84956791
LAMC2	3918	5623	0.363482426	0.317030318	0.225450572	-
UBAP1L	390595	1399	1.460944732	0.637119899	0.453076686	0.434086196
LOC257358	257358	2204	0.92734196	0.808830072	0.671049605	0.27553838
PALLD	23022	5870	0.34818768	17.15849634	0.287951975	27.62274604
SLC25A34	284723	3172	0.644344792	1.12399841	1.132358431	2.871783995
C19orf57	79173	2420	0.844570942	0.828716596	1.135000784	0.250944871
HYAL1	3373	2518	0.811700429	1.150446744	0.755187789	0.643141741
CNTD1	124817	3318	0.615992068	0.738746092	0.382070093	0.73211162
SGIP1	84251	4694	0.435420043	0.094943624	0.090023332	0.560625313
LOC284411	284412	2450	0.834229257	1.000473278	0.776148103	0.247872077
LOC100288	1E+08	2597	0.787008733	0.943842716	0.813572435	1.091260717
LOC729178	729178	3082	0.663160831	1.229122531	0.342772163	1.707706177
GPC2	221914	2666	0.76663979	0.585082068	0.634012787	0.455578836
DSG3	1830	5561	0.367534918	0.360635526	0.493922298	0.436818262
NPR2	4882	3447	0.592939275	0.517163179	0.36777156	0.52853489
NR6A1	2649	1918	1.065621314	2.672133342	2.643813489	2.005291135
IL17RB	55540	2072	0.98641973	1.290536784	1.325628329	0.976973277
C8orf84	157869	3804	0.537292766	0.41004963	0.666513443	0.372503165
LOC147670	147670	2542	0.804036853	0.613622657	0.8311753	0.477802194
KAZN	23254	6047	0.337995978	0.515901701	0.314463842	0.066951832
MYO1E	4643	4729	0.432197437	0.329843264	0.357428228	0.128417549
ANUBL1	93550	3708	0.551203258	0.300475573	0.512827091	0.491332192

PDE5A	8654	7005	0.291771832	0.318105189	0.241295944	0.375670981
LOC15062	150622	11868	0.172216185	0.093879628	0.035605791	0.187623651
GPR89A	653519	2030	1.006828414	0.658618773	1.248973959	0.498593259
PRAF2	11230	1263	1.618259446	2.117175152	1.840168151	3.045248136
PLA2G4E	123745	4798	0.425982009	0.464428272	0.484396076	0.295331813
GSTTP2	653399	2070	0.987372792	0.75354048	0.816559464	1.271292376
LRRC18	474354	1642	1.244739148	0.542832362	0.128675251	0.12328189
IZUMO4	113177	1020	2.003785961	0.436926833	1.242851537	0.992298348
CHST9-AS1	147429	2392	0.854457224	0.372629908	0.176659499	0.338509804
GP6	51206	2268	0.90117358	1.768513371	0.465795329	2.320613067
LY75	4065	6936	0.294674406	0.481904595	0.36554457	0.554519665
CMYA5	202333	12911	0.158303902	0.345182689	0.163647093	0.611472826
FITM2	128486	958	2.133467307	2.326019674	1.543834373	0.42260723
TMCC2	9911	4021	0.508296862	0.055417231	1.050906547	0.302057493
PRELID2	153768	2339	0.873818589	0.190536712	0.451656181	0.432725231
TRIM3	10612	3059	0.668147002	-	0.690698795	0.132349698
GOLGA8E	390535	5269	0.387903147	0.676660269	0.441095535	0.461026069
CCDC121	79635	2762	0.739993367	2.178306476	0.458982103	0.659616136
MOG	4340	2170	0.941871742	1.026878732	0.584197497	0.466425952
LAMB2P1	22973	1543	1.324602515	0.577660881	0.547724592	0.918342217
PART1	25859	5914	0.345597173	0.452146131	0.535893037	0.889947656
ABCB6	10058	3021	0.676551367	0.295044932	0.69938683	0.603065133
MTHFS	10588	2375	0.860573339	1.032067171	0.533772029	1.448964493
F2RL3	9002	2731	0.748393146	0.815938062	1.77940297	0.889471386
LOC10013	1E+08	2386	0.770945311	1.30748432	0.531311219	0.848402611
NOSTRIN	115677	2819	0.652527674	0.395233566	0.149900505	0.215426246
KANK3	256949	2801	0.656720997	1.591093786	0.829750937	0.578161694
IL12RB2	3595	4040	0.455315721	0.220626421	0.366087458	0.450955388
LOC10050	1.01E+08	1743	1.055350265	2.684731141	1.33340928	1.85821102
CCNA1	8900	1965	0.936119854	-	0.215048103	1.33922403
GPR19	2842	1743	1.055350265	0.6392217	0.484876102	0.348414566
LOC10013	1E+08	3377	0.544706992	0.527883174	0.50052653	0.179830201
TCEANC	170082	1955	0.94090819	1.253790042	0.432296187	0.621265053
LOC10013	1E+08	2228	0.825617375	1.40020538	1.137978966	0.726854086
ZNF665	79788	3291	0.558941207	1.15106522	0.963011674	0.615098338
LOC10013	1E+08	1678	1.096230937	0.398389782	0.881402461	0.723821918
ZNF570	148268	2247	0.818636187	0.198337948	0.094029711	-
ADAMTS14	140766	5269	0.349112832	2.918097409	0.360896347	15.98223704
ITGB4	3691	5925	0.310460002	0.601742271	0.249619127	2.25490379
PELI2	57161	5755	0.319630845	0.425918251	0.110139754	0.738663097
MYO1A	4640	3624	0.507581543	0.061488048	0.291507673	0.055857854
SLC16A2	6567	4396	0.418443019	-	0.480629575	0.046048422
HCP5	10866	2547	0.722212608	0.262464882	0.912497988	1.033205818
CNNM1	26507	5988	0.307193639	0.26049245	0.141138785	0.169028777
IQCH	64799	4254	0.432410793	0.419055354	0.397338526	0.237927672
GUCA1B	2979	2287	0.804318108	0.584606956	0.739080932	0.354051356
CKB	1152	1431	1.285447598	0.934308951	1.624131639	3.960872231
PATL2	197135	1967	0.935168029	2.492282188	0.966732513	4.322324476
RPLP0P2	113157	3525	0.521837025	0.568934514	0.839145152	0.689119533
SYCE2	256126	946	1.944477286	0.942210083	1.340072482	1.497887992
TLR3	7098	3057	0.601725716	2.624133677	0.345575338	18.80595259
CDX2	1045	2090	0.880131824	0.426474038	0.404372749	0.290567746
PDK2	5164	2712	0.678272682	0.903819886	0.623258883	0.970344845
GPR55	9290	3828	0.480531743	0.349267531	0.44155645	0.740335444
GHRLOS2	84657	1345	1.367639786	2.650797737	1.413801377	1.505047308
PCDHB2	56133	2733	0.673060927	1.141477346	0.92770477	0.740683728
FILIP1L	11259	4211	0.436826291	1.481670666	2.10732842	7.354931378
ADAMTS7	11173	5537	0.332215191	0.040244299	0.953967678	0.036559303
PYHIN1	149628	2083	0.88308954	0.21395361	0.507164574	0.971814032
FAM180B	399888	1437	1.280080384	0.310135956	0.88219107	0.140869077
ACOT11	26027	3181	0.578269573	3.502557132	0.398525171	1.909105907
FAM124A	220108	4916	0.374181349	0.226640241	-	0.370598

FBXO17	115290	2215	0.830462985	0.804813308	0.572328925	0.639730041
TENC1	23371	4952	0.371461129	0.539982273	0.213332756	0.449660237
SCN11A	11280	6500	0.282996233	0.342819515	0.227537435	0.373714824
HAS3	3038	4288	0.428982162	0.519665776	0.246367492	0.377665789
CCDC24	149473	1505	1.222242865	1.036431092	0.561554183	0.672521139
TMTC1	83857	8841	0.208061929	0.378066991	0.167288014	0.36634564
SLC36A2	153201	3439	0.534886744	1.101528247	0.798692032	0.824077953
LOC10013	1E+08	1262	1.457587569	1.412568525	1.506785144	1.443628975
SLC16A10	117247	2918	0.630389141	0.610918944	0.868888669	0.208117405
C15orf33	196951	2009	0.915617478	0.22183443	0.420676479	0.201522014
RPSAP58	388524	1397	1.31673265	1.914096075	1.512417762	1.304122954
INE1	8552	1014	1.814078415	3.51609759	1.875308533	2.79487582
RNF157	114804	4915	0.37425748	0.272023623	0.300914207	0.247115601
SLC26A1	10861	3673	0.500810104	3.033388031	0.69028509	1.488042281
ZNF165	7718	2411	0.76295127	1.47877352	0.876336629	1.343368647
PLCB1	23236	6823	0.269599225	0.685840009	0.433531681	1.127406829
MS4A10	341116	2296	0.801165293	0.194105126	0.460114898	0.440829405
NTN3	4917	1986	0.926221305	0.112201755	0.319161271	0.101927927
PRICKLE4	29964	1646	1.117542839	0.270756604	0.770175315	0.73789379
BVES	11149	5599	0.328536437	0.278590604	0.264153122	0.180772337
FLJ34208	401106	1141	1.612160835	0.78118382	1.29622553	0.354827104
STAC2	342667	3293	0.558601735	0.473680168	0.64161786	0.799142186
CYP3A5	1577	3330	0.552395049	0.334583611	0.824835405	0.36473669
ZNF774	342132	1855	0.991631004	1.081128929	0.683400845	1.527765003
TTC28	23331	11795	0.155953837	0.113352786	0.12539155	0.085811303
CDS1	1040	4546	0.404636056	0.049017309	0.185908281	0.267174038
PYGM	5837	3633	0.506324116	0.429350067	0.581571047	0.055719478
CCL22	6367	2933	0.627165193	8.888995607	0.72037082	37.2005309
C2orf16	84226	6218	0.295830735	0.537550703	0.169897685	0.26044241
RAPH1	65059	9615	0.191313106	0.139053157	0.175795953	0.147374107
THSD1	55901	3366	0.54648708	1.456422776	0.816013636	1.804178814
KIF5C	3800	6927	0.265551539	0.096506143	0.366019509	0.029223165
SSTR2	6752	2996	0.61397714	0.743767306	0.423133701	0.608097385
KLHL23	151230	4089	0.449859504	0.217982573	0.206685998	-
CHMP3	51652	3194	0.57591594	0.906958329	1.124558843	1.20417921
DHRS1	115817	1495	1.230418403	2.831987298	1.695931195	3.791309808
COX6B2	125965	1679	1.09557803	0.132717501	0.880877504	0.361695407
PRDM7	11105	3284	0.560132616	1.15351877	0.386025752	0.616409449
FGD2	221472	3045	0.604097048	1.170877818	0.346937211	31.44461484
MANEAL	149175	2858	0.643623342	1.247488788	0.369637441	0.849946241
PROX2	283571	1779	1.033994105	0.375771812	0.593830133	0.113788006
CFH	3075	4200	0.43797036	-	0.050305896	0.192789393
CDH23	64072	2684	0.685348552	-	-	-
IRGM	345611	1659	1.108785722	0.671587356	0.764140186	0.976148827
VSIG1	340547	3236	0.568441135	0.826326396	0.457043674	0.625552729
KIAA0748	9840	2010	0.915161946	2.99327487	0.105116797	3.222748067
GNGT2	2793	1057	1.740279577	1.264896981	4.597492442	3.830252847
ANKRD37	353322	934	1.969459863	0.477157783	2.488364427	1.950599322
EIF4EBP3	8637	728	2.526752077	2.142621969	3.482715847	1.390308125
LTBP2	4053	8568	0.214691353	0.546158541	0.123298764	1.228559859
GFI1B	8328	1801	1.021363416	20.16753338	1.759728718	23.3787915
TMSL3	7117	634	2.901380934	4.569124451	2.33279705	5.108614838
TCP10L	140290	2730	0.673800554	0.571365858	0.309574742	0.148299533
TMEM150	129303	1556	1.182182206	0.716043331	3.666252286	2.471817735
KIAA0825	285600	7241	0.254036116	0.553927403	0.350147374	0.419338896
SCRN1	9805	5286	0.34799007	0.758794613	0.359735689	0.689315084
LOC44060	440600	2671	0.688684205	0.50056013	0.791032427	0.227363006
TGFB3	7043	3183	0.577906224	0.070007127	0.464653889	0.445178147
LOC10012	1E+08	2129	0.864009165	1.046654226	0.496206579	0.760653313
KBTBD12	166348	5268	0.349179103	0.549890832	0.320857648	0.384261319
GNB3	2784	1923	0.956565529	0.811143418	0.659234825	0.526336097
LMX1B	4010	5816	0.316278458	0.498078559	0.50859468	0.278444103

NDRG2	57447	2142	0.858765412	0.208060397	1.380946153	1.512073673
SLC2A12	154091	5599	0.328536437	0.35818792	0.490570084	0.686934881
SRSF12	135295	3628	0.507021916	0.368521529	0.815321571	0.8927403
BSCL2	26580	2102	0.875107285	0.742068884	1.105676677	0.963029795
FNDC8	54752	1369	1.343663632	1.464933647	0.617340428	0.147866226
RORA	6095	10998	0.167255457	0.101306003	0.096055993	0.036811941
CDKN1A	1026	2327	0.79049227	2.298231385	5.629417793	8.612143289
MGC16142	84849	1291	1.424845478	1.035628279	1.145618381	1.568000488
PTRH1	138428	832	2.210908068	1.33913873	0.761844091	0.729911765
ENDOV	284131	2840	0.647702645	0.235386639	0.520772299	0.356388843
EID2B	126272	1865	0.986313948	0.955850658	1.699341244	0.325622836
C3orf27	23434	2700	0.681287227	0.495183744	0.547775307	0.449841918
OSTCP1	202459	1195	1.539310052	0.372941732	0.530421995	0.677586152
DNAL4	10126	1504	1.223055527	1.777920357	3.231083452	1.21134293
GPRC5C	55890	2389	0.769977192	-	1.503491395	1.101538392
CNIH3	149111	2372	0.775495579	0.469714765	0.26722356	0.170682009
C2orf84	653140	1889	0.973782696	0.235926612	0.559250295	0.107161918
REEP6	92840	1393	1.320513649	0.799830168	2.275141005	0.290637276
C5orf4	10826	2997	0.613772276	0.371759567	0.422992515	1.958771113
FLJ34690	284034	2767	0.664790572	2.093838021	1.450816937	2.414222074
GBP1	2633	3050	0.603106725	1.242018243	0.346368461	223.667301
DICER1-AS	400242	830	2.216235557	1.610838685	1.018239814	1.219450982
DNAJC22	79962	1854	0.992165864	1.442282749	0.569807879	0.655109589
STK32C	282974	2141	0.859166517	0.520393939	1.085535906	0.472743725
B9D1	27077	932	1.973686172	1.912726908	0.906801551	0.868793403
MRPL45P2	653479	1396	1.317675868	1.436600403	1.210800925	1.015044442
MOB4	25843	3788	0.485605996	0.352955678	0.613551313	0.801592646
SPINLW1	57119	1998	0.920658415	1.338334443	1.057481288	0.810525978
LINC00115	79854	1317	1.39671641	0.676788716	0.962572945	0.461113583
IQCD	115811	1363	1.349578512	0.326973859	2.170202978	0.742585704
CXCL14	9547	1989	0.92482429	0.224065042	0.318679881	0.508870948
PCDH12	51294	5210	0.353066317	0.42770189	0.202768485	0.427392993
FMO5	2330	2632	0.698888872	1.01595449	0.481652192	1.153659933
LOC40095	400958	3067	0.59976378	0.435929608	0.482228017	0.198006713
BMS1P5	399761	4235	0.43435077	0.210467707	0.199560577	0.191196093
IFI27	3429	665	2.76612859	0.670173488	1.588607228	1019.145614
MRPL42P5	359821	667	2.757834351	4.677147806	3.801225092	5.766339425
C10orf58	84293	1773	1.037493239	0.502724613	0.595839711	0.456692302
ARHGEF19	128272	3044	0.604295503	0.951650756	0.971743318	0.332504703
KDELR3	11015	1705	1.078871268	0.261387313	1.11528613	0.474906423
LOC33873	338739	2062	0.892083178	0.540331437	0.92219343	0.29451338
EPHB2	2048	4869	0.377793287	0.274593573	1.171634536	35.7545332
NPPA-AS1	1E+08	1662	1.106784303	2.681500418	1.017014495	0.608991766
CTRL	1506	1197	1.536738106	2.606230231	1.765119143	1.522021526
VSIG10L	147645	3674	0.500673792	0.181953744	0.575081005	1.267246556
LOC28369	283693	1670	1.101482343	0.667163727	1.265178212	1.090933992
DPF1	8193	2329	0.789813445	1.530838538	1.360786355	0.434583218
CBWD3	445571	1743	1.055350265	0.12784434	0.848533178	0.464552755
C21orf119	84996	828	2.221588783	1.8838512	2.296573493	0.733437909
LONRF2	164832	13920	0.132146229	0.03201619	0.166963533	0.101796124
ATAD3C	219293	3859	0.47667155	0.346461806	0.328507014	0.734388205
NRSN1	140767	2408	0.763901791	0.185076981	0.614199888	0.504390855
DTL	1E+08	1641	1.120947905	1.629489468	0.772521979	1.233570158
ISG20	3669	974	1.678736493	0.915123962	1.084624032	331.700683
SH3BGR	6450	1246	1.312270742	1.788384308	0.508711303	1.299703775
ABHD8	79575	2114	0.77345759	0.843264654	0.599672927	0.095756321
ZNF329	79673	3426	0.477259003	0.975624714	0.493367802	1.122635259
RGS9BP	388531	2894	0.564992863	-	0.657070785	0.069947776
LOC10050	1.01E+08	2690	0.607839905	1.325398868	0.78544521	0.677271289
SLC16A9	220963	4001	0.408670169	2.172075657	0.105615977	0.252972835
CCR6	1235	3479	0.469988314	0.256203144	0.485851708	0.465487469
PMP22	5376	1828	0.894469007	-	0.809077314	0.33221367

LOC67865	678655	2364	0.691662159	1.036869514	1.698143175	2.31200478
ANKHD1-E	404734	8349	0.195842537	0.240207709	0.15183957	0.339442338
JMJD7	1E+08	1439	1.136267786	1.393672107	1.761929907	0.984713023
PCDHGA6	56109	4605	0.355068262	0.193557164	0.045881599	0.087916987
RBKS	64080	1196	1.367131559	2.794724307	1.589935495	2.36956863
ZNF542	147947	3752	0.435791403	0.475122995	0.281562848	0.4855703
CD52	1043	523	3.126365859	209.1985625	9.695667825	566.645995
LOC10026	1E+08	1594	1.025777506	1.118357263	0.530200154	0.380982804
ZNF582	147948	2297	0.711836893	-	0.73586334	0.44063749
MBOAT2	129642	3804	0.429834212	0.585785186	0.444342295	0.425717903
CD209	30835	4428	0.36926137	0.352264858	0.190862476	0.548587704
ACE	1636	4969	0.329058029	-	0.212602899	0.122215051
CCDC103	388389	1272	1.285447598	0.525548785	1.162730605	1.113995315
BEND2	139105	4720	0.346417234	0.424892831	0.358109765	0.600424594
LAT	27040	1767	0.925347676	1.008863315	2.989314677	3.322262041
C2orf83	56918	2103	0.777503255	0.529797158	0.60280959	0.673800305
C3orf25	90288	2169	0.753844788	1.130087382	1.168933673	1.39992298
ZNF709	163051	4916	0.332605644	0.362624385	0.257873997	0.411775555
PIPSL	266971	3776	0.433021542	0.354077359	0.447637206	0.42887471
HSD11B1L	374875	1677	0.975008554	0.797254686	1.007917764	0.241417845
PITPNM3	83394	7161	0.228332544	0.280057836	0.118019696	0.254414155
MTERFD3	80298	1775	0.921177095	0.376618622	0.952269347	0.570222149
CLDN20	49861	1209	1.352431219	1.29018097	0.873799675	0.502304871
MEIS1	4211	3198	0.511284973	0.487751342	0.198203341	0.126597163
ZNF763	284390	2639	0.619586716	0.506629825	0.720561899	0.536946586
ACER2	340485	2852	0.573313234	0.078132077	1.407577302	0.212933587
EBF1	1879	5288	0.309207516	0.084278625	0.199777573	0.038280799
HNF1A-AS1	283460	2455	0.666024173	0.635368144	0.688504314	0.329822995
GSDMA	284110	2164	0.755586573	0.20594518	0.976362113	0.748350695
C7orf61	402573	1020	1.603028769	0.436926833	1.242851537	1.190758017
FAM186B	84070	3106	0.52642928	0.143485309	0.272098856	0.260693964
DUSP8	1850	4491	0.36408135	0.446558486	0.658647664	0.450743404
STON1	11037	5651	0.289345133	0.039432434	0.261722408	0.25075244
MN1	4330	7569	0.216024487	0.147200875	0.083743465	0.106977864
CCDC19	25790	1836	0.890571538	0.849579953	0.690473076	0.220510744
CHRNA3	1136	3318	0.492793654	0.134317471	0.254713395	-
OSM	5008	1869	0.874847161	1.430707446	0.678281738	7.364988058
RCN3	57333	1882	0.868804115	0.710412385	0.561330397	1.183165511
DNAH10	196385	13716	0.119210363	0.162461858	0.169446805	0.162344524
SIGLEC1	6614	6736	0.242738917	0.363889479	1.223293601	120.9885098
TMEM220	388335	3092	0.528812854	0.576539935	0.614994454	0.982028766
SLC26A4	5172	4930	0.331661125	0.54239193	0.428569496	0.574848698
MGC16121	84848	786	2.080266341	2.835021434	2.956911419	2.832973909
RWDD2A	112611	1432	1.141822168	0.9336565	1.32790702	1.696331254
LOC40054	400548	2015	0.811458732	0.442347761	0.524279805	0.200921948
ADAMTS6	11174	7289	0.224322862	0.275139822	0.115947187	0.249946463
UTS2D	257313	2408	0.679023814	0.555230942	0.438714205	0.756586282
LOX	4015	5177	0.315837231	0.086085642	0.204061002	0.11730473
TYW1B	441250	3171	0.515638393	0.772992599	0.732933578	1.978963971
A2ML1	144568	5190	0.315046116	0.38641506	0.203549866	0.312029076
LOC10027	1E+08	5052	0.323651889	0.661617235	0.460042038	0.560966762
ADAT3	113179	1597	1.02385056	1.116256404	1.058408322	1.901335594
EYS	346007	10589	0.154413953	0.084175157	0.139672616	0.019116901
SH3GL1P1	6458	2497	0.654821524	0.356960648	0.592308102	0.567481794
CILP2	148113	4199	0.389399701	0.212272146	0.855403892	0.337461786
SUGT1P1	441394	820	1.994011396	1.358735883	1.288321716	1.728051269
GP1BA	2811	2501	0.653774228	0.712779479	1.3516818	0.647513356
ADAMTS4	9507	4410	0.370768559	0.656876395	0.431193391	0.413120128
TNNT1	7138	1059	1.543993715	1.47292615	0.5985404	2.484962435
MMP15	4324	4456	0.366941056	0.10001467	0.426742112	0.04542838
SLC23A1	9963	2378	0.687590136	0.187411846	0.621948414	0.51075407
LOC28618	286186	2520	0.648844978	0.442128343	0.586902115	0.481973483

GAL3ST4	79690	2561	0.638457378	1.04412035	0.247502649	0.632343188
SERPINI1	5274	1929	0.847635741	1.270689234	1.314368655	4.512411149
CHAD	1101	1712	0.955075552	0.130159278	0.493655984	0.236482317
LOC28545	285456	3773	0.433365848	0.295299079	0.279995708	0.053651965
GBP6	163351	4867	0.335954252	0.274706412	0.173646814	0.249552738
SIGLEC7	27036	1754	0.932206012	1.397468376	3.131929188	8.42491847
B9D2	80776	1049	1.558712435	4.673326086	2.81981569	4.052436723
AK5	26289	3937	0.415313524	0.339597691	0.16099931	-
ITGA2	3673	7878	0.207551326	0.028285439	0.241376346	0.025695464
LINC00346	283487	6322	0.258634822	0.211483092	0.200523342	0.256158004
GOLGA6C	653641	5379	0.303976454	0.372837732	0.392795615	0.48923131
ADM2	79924	4246	0.385089342	0.314883681	0.497608953	0.476751915
RGS20	8601	2120	0.771268559	0.210219514	0.59797574	1.145823753
FAM24B	196792	788	2.074986478	2.545043354	3.217534437	3.33956246
LIN28A	79727	4014	0.407346623	0.444110981	0.105273922	0.504307083
SLCO4C1	353189	5334	0.306540934	4.17759064	1.267550124	8.956357641
PBX4	80714	1747	0.935941239	0.510206491	1.088473298	0.347616822
TAS2R14	50840	954	1.71393013	2.569349614	1.771779969	1.69751667
LOC10027	1E+08	2159	0.757336426	0.206422126	0.391449303	0.187520948
LOC28597	285972	2043	0.800337418	1.745140948	1.551283123	2.278934825
HEATR8-T	1.01E+08	6472	0.252640504	0.172151332	0.130583907	0.156388182
NUAK2	81788	3443	0.474902511	0.906087013	0.368198829	1.117092186
LOC10012	1E+08	1084	1.508385004	0.411130415	0.974560707	0.560227481
CCBP2	1238	2978	0.549056194	3.292356658	0.638536888	2.515066464
RHD	6007	2833	0.577158258	0.629248669	0.671218797	0.928900536
GRIN3A	116443	7771	0.210409129	0.630847904	0.217511014	3.41245413
FHOD3	80206	4942	0.330855796	0.135268728	0.171011543	0.122882758
TMEM213	155006	3398	0.481191685	0.2623104	0.808328987	0.47658355
TECTA	7007	6468	0.252796745	0.137806237	0.228663162	0.500751671
LOC10030	1E+08	3115	0.524908297	1.001495212	0.474797217	0.584866699
PRICKLE1	144165	4321	0.37840531	0.515697026	0.195588763	2.482927502
SLC25A35	399512	2785	0.587105689	1.440211248	0.606922115	1.162966538
LOC64699	646999	2602	0.628397135	0.685112021	0.162401815	0.077797411
ZNF716	441234	5210	0.313836726	0.342161512	0.324429576	0.50510081
PIGZ	80235	2721	0.600914864	0.900830405	1.320044448	0.44637015
ALPK3	57538	10936	0.149514388	0.448273506	0.231841362	0.407227047
AOC3	8639	4040	0.404725085	0.275783026	0.261491041	0.250530771
ITGA7	3679	4150	0.393997432	0.214778491	0.458207916	0.63411451
LRRC8E	80131	3625	0.451059129	0.430297598	0.291427257	-
ZNF347	84671	4565	0.358179484	0.488132935	0.416552651	0.399093049
DISP2	85455	5032	0.324938264	0.619963749	0.16795291	1.045936096
SP8	221833	3738	0.437423581	0.357676862	0.678281738	0.162462972
TMEM17	200728	1925	0.849397062	0.578786194	0.43903327	0.946420658
TSPAN4	7106	1479	1.105537082	2.410630802	2.428560475	0.410606213
SGSM1	129049	6201	0.263681559	0.287479677	0.170363459	0.261156411
ANK1	286	8486	0.192680809	0.210070879	0.323674511	1.669811502
FAM106C	1E+08	1759	0.929556193	1.013451665	0.600582039	0.690490721
LOC44120	441204	1649	0.991564187	1.486452112	0.512516098	0.491034234
SCG5	6447	1244	1.314380502	0.537377857	1.358744446	0.162724166
GPR83	10888	4300	0.380253336	0.414572437	0.393087928	0.329535358
FAM82A1	151393	2000	0.817544672	0.111416342	0.316927142	0.506072157
ANKRD31	256006	6036	0.270889553	0.073834554	0.140016409	0.033536922
UPK3B	80761	1625	1.006208827	1.782661478	1.170192524	2.242288944
LOC28636	286367	3413	0.479076866	1.30578778	0.371435268	1.067600215
RIBC2	26150	1414	1.156357386	0.472770901	1.494234522	0.429481322
AMT	275	2215	0.73818932	0.804813308	0.858493387	0.731120047
ATP8B2	57198	5872	0.27845527	0.265638418	0.143926949	0.310262222
FLJ33630	644873	2977	0.549240626	1.272474182	0.851668504	1.019964039
FHDC1	85462	6480	0.252328603	0.30948984	0.42387375	0.937170662
FLJ37201	283011	3662	0.446501732	0.425949971	0.46157239	0.331669355
MEFV	4210	3507	0.466235912	0.698933428	0.843452141	0.808099253
LOC64516	645166	1104	1.481059189	2.018411999	2.296573493	1.466875819

PDZD7	79955	4164	0.392672753	4.923296589	0.659630619	3.840509167
AQP11	282679	2153	0.759446978	0.931488232	1.079485543	0.282065299
NR2F1	7025	3210	0.509373628	0.347091409	0.724028777	0.063061951
CD302	9936	3995	0.409283941	0.446223148	0.105774599	0.202682216
TTL	646982	3972	0.411653913	0.673210528	0.531935452	0.356747744
TSPYL4	23270	4144	0.394567892	0.107544732	0.356899935	0.195394655
MB21D2	151963	3388	0.482611967	-	0.436538763	1.135226799
LOC64465	644656	1161	1.408345688	0.959658418	0.90992576	0.174357332
TMEM119	338773	2701	0.605364437	0.412500342	1.642717508	0.14989179
FHIT	2272	1122	1.457298881	0.993015529	1.506486712	0.180417881
ZNF345	25850	3162	0.517106055	0.704720698	0.334099876	0.640192482
NEK8	284086	2858	0.572109638	1.637329034	1.2567673	1.558234774
MCC	4163	8679	0.188396053	0.231074336	0.292132404	0.233239847
KCNMB3	27094	2141	0.76370357	0.416315151	0.888165741	0.472743725
MYL5	4636	661	2.473660128	4.045374004	1.598220585	2.756217499
NXN	64359	3024	0.540704148	-	0.419215796	0.535526092
LOC28308	283089	2500	0.654035738	0.802197665	0.169027809	1.052630087
KIAA1486	57624	4590	0.356228615	0.291284555	0.184126154	0.441021488
C6orf123	26238	1672	0.977924249	0.533092547	0.505465936	1.452838729
ATP8B1	5205	5949	0.274851125	0.449486	0.568256208	0.476383271
LAMB1	3912	5866	0.278740086	0.113961482	0.144074164	0.103526524
LRRC1	55227	3180	0.514179039	0.700731713	0.398650493	0.572911876
HLA-J	3137	1580	1.034866674	0.846200069	0.53489813	0.384358601
C6orf192	116843	2440	0.670118584	0.091324871	0.346368461	0.66370119
C7orf13	129790	2299	0.711217636	0.872333259	0.643320283	0.528304992
INO80B	83444	1266	1.291539766	1.93614497	0.834457983	0.959378497
LOC10028	1E+08	1195	1.368275602	0.932354329	1.237651322	1.524568842
GATSL3	652968	1644	0.994579893	0.948800969	0.771112268	1.108187206
VAMP5	10791	694	2.356036519	2.568676481	1.522224505	3.208526646
PLAC2	257000	3693	0.442753681	0.181017616	0.629334518	0.493327854
C5orf45	51149	1229	1.330422575	1.269185348	2.062991974	0.82355111
CBX7	23492	3964	0.412484698	0.899425569	0.426407187	1.021336342
DHRS4L2	317749	1585	1.03160211	0.843530668	0.533210754	0.127715371
MYO5C	55930	6975	0.234421411	0.351420721	0.121166888	0.116088237
PDZK1P1	728939	3498	0.46743549	0.573325947	0.785220668	0.578698865
C16orf79	283870	1061	1.541083265	1.680171044	1.593099049	1.144743806
SH3D19	152503	5291	0.309032195	0.631731293	0.279530019	0.11477728
TAS2R5	54429	1150	1.421816821	1.356372864	2.204710553	0.176025098
TM6SF1	53346	1909	0.856516157	0.233454882	2.434921294	3.28721569
PLEKHF1	79156	1774	0.921696361	1.256103071	1.429209209	0.912869731
TLL2	7093	6788	0.240879397	0.131309773	0.186757302	0.059643153
SCO2	9997	1020	1.603028769	1.529243915	1.035709615	-
ZNF565	147929	1950	0.838507356	0.68563903	0.433404639	0.31142902
GPR146	115330	1776	0.920658415	0.125468854	1.546566384	1.367762588
TTC21A	199223	4269	0.383014604	0.208791459	0.098985599	1.422549986
DUSP9	1852	2394	0.682994714	0.093079651	0.264767871	-
SLC9A9	285195	3647	0.448338181	0.12220054	0.463470823	0.499550251
PRPH	5630	1833	0.892029102	0.121567204	1.498473485	0.110435823
CCDC7	221016	2173	0.75245713	0.615276626	0.583390966	-
UCP3	7352	2438	0.670668312	0.731198309	0.953294657	0.49818424
ZNF235	9310	3190	0.512567193	0.698535062	0.927268545	0.951859857
ADAM11	4185	4402	0.371442377	2.126072867	2.687857028	4.230680462
LOC25551	255512	1024	1.596766938	0.652830131	0.618998324	0.197684436
F12	2161	2060	0.793732691	1.514396887	1.435915854	1.17919726
HCAR1	27198	2977	0.549240626	0.673662802	0.638751378	0.475983218
LOC64223	642236	1071	1.526694066	1.872543569	0.197278022	0.945046046
LOC10013	1E+08	5001	0.326952478	0.267345753	0.253491015	0.202388385
ITGA3	3675	5044	0.283644563	0.17671109	0.544548354	2.086895494
HSPA1A	3303	2445	0.585154673	0.182276225	0.518490212	0.910722901
ZNF433	163059	2321	0.616416707	1.536115018	1.18341314	1.046594724
ARHGEF25	115557	2614	0.547323327	0.255737588	0.161656283	0.077440269
CDC14C	168448	2893	0.494539639	0.154049557	0.219099303	0.209915862

LOC145820	145820	2684	0.533048873	0.332090439	0.15744021	0.527944128
HSD17B6	8630	1512	0.946232259	0.294752228	1.257647389	1.204933708
KCNN3	3782	13080	0.109380977	0.102216828	0.064613077	0.123809702
HSPA1L	3305	2550	0.561060069	1.398165865	0.579997384	2.619667638
LIN7B	64130	755	1.894971094	0.590285258	2.79847366	1.340588496
ATP1A1OS	84852	1828	0.782660381	0.853298027	0.231164947	1.66106835
NR4A2	4929	3546	0.403469593	1.068289803	0.476671768	1.370076907
C2orf27A	29798	1222	1.170788197	1.276455641	2.074809441	1.822191074
LRTM2	654429	3986	0.358932056	0.167711504	0.424053711	0.253924816
LOC100129	1E+08	1831	0.781378032	0.486799967	0.692358584	0.442225807
CAND2	23066	4599	0.311090058	0.145357263	0.229707286	0.044015843
CEACAM19	56971	2265	0.631657031	1.475713144	1.026107009	0.714980531
CATSPER3	347732	1367	1.046600714	1.141059834	0.77280454	0.296165125
C15orf27	123591	2414	0.592669087	0.461542429	0.525148537	0.922418182
FAM135B	51059	6962	0.205501749	0.032006993	0.424875992	-
PDZD2	23037	11659	0.12271234	0.267575057	0.054366093	0.24307437
LOC151009	151009	2204	0.649139372	0.606622554	0.766913834	0.459230633
PCOLCE	5118	1651	0.866567642	1.619619756	1.151764296	1.471318204
NWD1	284434	7645	0.187142338	0.145737531	0.138184932	0.291264551
ATP6V1G2	534	1603	0.892516018	0.139009785	1.977087599	0.252562524
BTBD18	643376	3061	0.467397313	0.800770837	0.414148503	0.330658058
FAAH	2166	2105	0.679668967	1.482022606	1.104100891	0.673160114
ANGPTL6	83854	1857	0.770437898	1.079964546	1.592884577	2.834222098
LHFPL5	222662	2147	0.666373161	0.311363789	0.492046487	0.754276154
TNC	3371	7616	0.187854934	0.08777548	0.110968887	0.37211188
B3GALT4	8705	1704	0.83961454	2.353866388	1.487920855	3.445092151
ATP1A2	477	5496	0.260317172	0.283811644	0.26910359	0.184160174
B3GNT9	84752	2722	0.525607339	0.573045111	0.543348027	0.446206164
AMH	268	2065	0.692834468	1.510730066	0.920853681	1.372399071
ENPP6	133121	3936	0.363491661	0.22645598	0.161040214	0.257150486
HTRA4	203100	2130	0.671691632	0.627697703	0.297584171	0.760296199
CTSL2	1515	4542	0.314994094	0.196241906	0.372144009	0.26740933
C1orf192	257177	774	1.848453716	0.575795051	1.091910911	1.307679993
FSIP2	401024	21054	0.067953984	0.190509562	0.010035374	0.057688476
IL1RL1	9173	2542	0.562825797	0.701283036	11.38710162	6.928131816
SLC6A10P	386757	3839	0.372676003	0.290222304	0.825546085	0.580025395
MPV17L	255027	2309	0.619620258	1.158073719	0.823543894	0.613686462
ITGB8	3696	8787	0.162820437	0.025359359	0.216406379	0.115186561
DOK4	55715	2750	0.5202557	0.081030067	0.845139045	0.220831487
KIAA1751	85452	4710	0.303758636	0.662347683	0.224293802	0.214892636
IAPP	3375	1992	0.718224486	1.006774178	0.636399884	1.219450982
ATP6V1C2	245973	3250	0.440216362	0.205691709	0.130021392	0.062285804
DYRK1B	9149	2540	0.563268967	0.175458807	0.665463815	0.159392805
ARHGAP4	393	3405	0.420177144	10.79805961	0.806667224	16.70558311
C12orf77	196415	1516	0.943735604	0.734936295	0.696849477	0.534113095
TMEM79	84283	2240	0.638706775	1.691140911	2.169441746	1.44592045
ATL1	51062	2821	0.507161707	3.791552239	1.273250955	7.821604418
SNED1	25992	6834	0.209350772	0.1630324	0.247333639	0.148104231
ALX3	257	1478	0.967999443	0.301532726	0.285906308	0.82176805
HoxA5	3202	1657	0.863429799	0.134479592	0.382531252	0.48866352
TFEB	7942	2364	0.605204389	1.790956434	1.251263392	5.994086467
GGT6	124975	2635	0.542961357	0.67653187	0.24055191	0.460938587
TRAPPC2P	10597	755	1.894971094	1.770855773	1.958931562	2.413059294
LOC400891	400891	5153	0.277644707	0.259459753	0.16400913	0.117851075
CMKLR1	1240	5496	0.260317172	-	1.037970989	0.77347273
GRTP1	79774	1423	1.005413335	0.939561566	0.445435196	0.426764996
PRKAG2	51422	3423	0.417967624	0.455690562	0.864150353	0.591378507
TREX2	11219	1255	1.140002531	0.88777962	0.336708783	0.322595798
CXCL10	3627	1227	1.166017259	11.98611018	1.033177317	260.6663435
SPDYE1	285955	2691	0.531662273	0.662453169	1.02069933	0.977917212
GNG10	2790	1269	1.127425671	1.755970723	1.165479377	3.0308498
OVCA2	124641	1076	1.329649792	1.449655012	0.981806512	0.188130914



LOC100123	1E+08	525	2.725148907	2.971102463	2.817130151	5.012524226
ABCB5	340273	5401	0.264895978	0.371319045	0.195597816	0.337318972
SEPHS1P1	168474	4125	0.346837134	0.702260582	0.153661645	0.245368319
APOL1	8542	3039	0.470780907	5.792623262	0.556195489	27.2436344
CACNB3	784	2958	0.483672473	0.903986551	0.499997745	0.889646795
CD160	11126	1559	0.917705694	1.000531618	0.5421033	1.298453258
C14orf45	80127	3123	0.458118212	0.499464871	0.067654422	0.388912321
SPTBN5	51332	11739	0.121876069	0.075929018	0.107991189	1.034647907
ASPRV1	151516	2216	0.645624177	0.201112531	0.381380436	0.365395059
LOC728024	728024	1503	0.951898321	0.296517212	0.562301427	0.673416044
LILRB3	11025	2843	0.503237136	1.018932431	0.668857845	2.420886859
CBWD6	644019	1719	0.832288061	0.777775514	0.860380064	0.588798322
TRPC1	7220	4077	0.350920573	0.054656042	0.051823586	0.099302852
LOC100133	1E+08	1965	0.728093219	0.907206859	0.752668361	0.824137864
RP11-165H	149620	2844	0.503060189	0.313407433	0.148582814	0.213532556
TAGLN	6876	1574	0.908960087	1.274138604	1.208108547	1.157471262
TSSK6	83983	1442	0.992165864	1.236242356	1.172176207	0.561522505
HP	3240	1461	0.979262954	0.457561981	0.723082688	1.108440044
KRT81	3887	1926	0.74283654	0.347091409	0.21940266	-
PCDHA9	9752	6388	0.22396731	0.279064101	0.429978381	0.475333899
ARHGEF16	27237	2919	0.490134696	1.984806373	0.868591003	1.248276647
BCAR1	9564	3533	0.404954197	0.189215413	0.717638589	0.859448895
PHEX	5251	2861	0.500071016	0.077886293	0.295399876	0.495282083
LOC100284	1E+08	3109	0.460181144	0.430040562	0.611631667	0.195331807
FAM92B	339145	1897	0.754192502	0.234931666	-	0.426839985
LRP4	4038	8244	0.173544781	-	0.179402393	-
CHRM3	1131	2757	0.518934776	0.64659466	0.919628994	1.027930389
C18orf56	494514	860	1.663608345	2.331969957	1.228399775	0.470764798
CYP1A2	1544	3127	0.457532196	0.783869374	0.540543042	0.776829663
ADIPOQ	9370	4629	0.30907392	0.192553627	0.22821858	0.174922327
KIAA1377	57562	7043	0.203138318	0.348027763	0.149996281	0.172451111
PCDHGB2	56103	4602	0.310887261	0.871575038	0.183646033	0.703794395
DLK1	8788	1599	0.894748703	0.139357526	0.660677803	-
DUSP28	285193	1555	0.920066351	2.29281219	1.76636778	1.822510663
FLJ14107	80094	1839	0.777978889	1.69638803	1.148911155	1.651132651
STX11	8676	5509	0.259702882	1.011221114	0.421879175	15.98412695
DSC1	1823	4271	0.334980842	0.313040531	0.098939247	0.284376768
TUFT1	7286	3127	0.457532196	0.356304261	0.13513576	0.517886442
CCL16	6360	1497	0.955713545	0.297705658	0.28227757	0.540892085
CCDC17	149483	2267	0.631099769	0.688058577	0.559200956	0.803643479
TEN1-CDK3	1.01E+08	3330	0.429640593	0.267666889	0.317244386	0.303947242
ZNF671	79891	2477	0.577595146	0.35984285	0.341194609	0.0817234
TMEM105	284186	3335	0.428996455	0.400898383	0.380122509	0.364189858
MRO	83876	5265	0.271738495	0.338587175	0.401300591	0.346032244
LOC154093	154092	1687	0.848075386	-	0.250485787	-
C15orf37	283687	2084	0.686517839	1.924658505	1.115226667	2.914043133
RABL2A	11159	2187	0.654185266	1.018896592	1.352531623	0.647920458
CXADR	1525	5744	0.249077851	0.271557938	0.367835587	0.140967175
YPEL4	219539	1731	0.826518299	-	2.07500921	3.508299185
ProSAPIP1	9762	5247	0.272670703	0.339748709	0.563748172	0.192899622
HS3ST3A1	9955	2546	0.561941546	0.175045314	0.746882503	-
MAPK13	5603	1888	0.757787699	0.826180505	0.447637206	4.610403129
ADAMTSL2	9719	4083	0.350404893	0.272878624	0.155242293	0.495784626
EGFL7	51162	1571	0.910695847	1.134730412	0.672453092	1.159681583
BCAR3	8412	3184	0.44934145	0.489895978	-	-
ZNF643	65243	2041	0.700981468	0.545890947	0.621121297	0.892630949
CRIM1	51232	5628	0.254211652	0.158374332	0.187708566	0.251777193
PCDHGC3	5098	4726	0.302730253	0.047150378	0.13412067	0.171332089
MGC12916	84815	2006	0.713211952	-	0.210652803	-
SDS	10993	1620	0.883150109	0.96285728	0.391268077	44.48436741
IL411	259307	2315	0.618014331	0.770048155	0.638874008	64.09518641
DNAH17	8632	13723	0.104255861	0.38970957	0.107774782	0.678548983

FAT3	120114	19048	0.075110415	0.046793928	0.022184456	0.095645725
LOC10028	1E+08	2810	0.509147038	1.744597532	0.22557092	2.521355944
OMG	4974	1945	0.735580039	0.572834665	0.977667276	2.497836869
ZNF517	340385	2335	0.612720846	0.381726227	0.452429896	0.606853122
TCAM1P	146771	3291	0.43473205	0.677097189	0.513606226	0.061509834
HSPA7	3311	2493	0.573888157	1.072600167	1.101765703	14.69700128
HDAC11	79885	2918	0.490302665	-	0.434444335	0.277489874
LOC10013	1E+08	850	1.683180207	0.786468299	0.99428123	0.238151603
MS4A14	84689	3353	0.426693461	-	0.252054592	-
RDH14	57665	1602	0.893073144	0.278193115	0.659440579	0.758160535
DYDC1	143241	790	1.811016679	1.692400137	1.60469439	1.024956268
C10orf68	79741	2730	0.524067098	0.652989552	0.386968427	0.148299533
GAS6	2621	2523	0.567064279	1.236487351	0.251230394	0.882567377
RFPL1-AS1	10740	5125	0.279161595	0.608713675	0.247357769	0.552976406
DFNB31	25861	4079	0.350748511	0.218516974	0.310789058	1.290304103
SLC12A5	57468	6084	0.235158313	0.219756099	0.208367615	0.099816994
FGR	2268	2501	0.57205245	216.952254	0.760321012	220.8020544
SLC7A7	9056	2531	0.565271899	0.352165444	2.003490428	13.1166865
DKFZP434	26082	4303	0.332489699	0.362497977	0.392813872	0.235218293
COPG2IT1	53844	3480	0.411121602	0.576291426	0.364284071	0.17450764
KCNAB1	7881	4518	0.31666737	0.24660545	0.280590653	0.044804972
AMPH	273	3426	0.417601628	0.845541419	0.431696827	0.354516397
CRTAM	56253	2422	0.590711468	0.552021515	0.087235657	0.25073765
FLJ20021	90024	810	1.766300218	0.55020416	4.956062304	1.249560882
SPRY3	10251	9038	0.158298648	0.172585616	0.140264281	0.3135654
SLC25A45	283130	2286	0.625854408	3.216744793	1.386382949	2.302340524
CHST2	9435	3046	0.469699007	0.219467516	0.554917298	0.797487313
HRH4	59340	3686	0.388145192	0.725445528	0.573208794	0.65901963
CA13	377677	3855	0.371129229	0.231214199	0.274039898	0.630128756
LILRA1	11024	1910	0.749059255	3.499989813	0.774342057	1.907706562
RBPMS	11030	3154	0.453615465	0.423904917	0.200968384	1.219450982
HCG27	253018	1742	0.821299183	1.151259565	0.606443058	1.27825344
CCDC135	84229	2926	0.488962125	0.456936469	0.722094195	0.691827966
LOC10013	1E+08	1391	1.028542902	0.480588105	0.455682447	0.291055159
ZNF844	284391	2834	0.432715952	0.550398304	0.447321301	0.571429394
SLC14A1	6563	4226	0.290183864	0.158186951	0.099992788	0.191603278
PTPRVP	148713	4095	0.299466913	0.707405348	0.257978952	0.4448986
EGLN2	112398	2174	0.56408326	0.61499361	-	0.186227105
PTK6	5753	2519	0.486826919	0.619225404	0.503258661	0.883968834
SULT1C2P	151234	1875	0.654035738	0.356532296	-	0.21592412
INTS4L1	285905	2552	0.480531743	0.349267531	0.496751006	0.317286619
MAGEB10	139422	1953	0.627914495	0.228195274	0.64910833	-
SH3D21	79729	2527	0.485285718	1.058168665	1.254163601	0.881170357
NXNL2	158046	1476	0.830838081	0.905823922	0.429440572	1.234322335
PHOSPHO	493911	1268	0.967126978	1.230148891	0.999770164	0.159644214
ESPNL	339768	4683	0.261865686	0.095166639	0.541408741	0.172905285
IRF8	3394	2678	0.457922707	0.416043101	0.631171804	2.19209747
IL11	3589	2354	0.520950301	0.28398388	0.179511267	0.343974279
TNFSF15	9966	6705	0.1828959	3.323380831	0.630230459	3.139836204
BEGAIN	57596	2763	0.443835327	1.854922819	0.994101302	1.025698184
PRRT3	285368	3761	0.326061422	0.592482544	0.505600333	1.184109275
ZNF204P	7754	4029	0.304372551	0.331843164	0.052440993	0.100485909
LOC10027	1E+08	2034	0.60290905	0.328661777	0.207752961	0.796180385
PRSS16	10279	2881	0.425656719	1.314875266	0.733373	1.053951039
KCNJ11	3767	3418	0.358782039	0.847520451	0.803599151	0.533019241
TP73	7161	5154	0.237935004	-	0.491931924	-
RPL13P5	283345	634	1.934253956	3.514711116	1.333026886	4.150749556
LINC00471	151477	1298	0.944774274	0.686695485	0.325554332	0.623817759
ZNF93	81931	2794	0.438910883	1.036802041	0.453725329	0.289805101
LOC10012	1E+08	3538	0.346613061	1.133688051	0.1194374	1.258743636
LHFPL2	10184	5061	0.242307253	0.264176271	0.584466836	4.799735933
LOC44002	440028	2311	0.530643448	0.385690497	0.457128432	0.350374492

SYNPO2L	79933	4933	0.248594569	0.090343679	0.342647089	0.164142601
C8orf45	157777	5114	0.239796052	0.348584567	0.165259884	0.277082918
ZNF625	90589	1711	0.716725312	0.260470701	0.123486126	0.118310265
C17orf67	339210	829	1.479272628	1.34398483	1.784069155	2.686028338
PMS2P4	5382	597	2.054132342	1.119762235	2.123464938	1.017230467
C3orf14	57415	832	1.473938712	2.410449715	0.761844091	0.973215687
ZNF224	7767	2483	0.493885223	0.897433285	1.106202939	1.548992508
CCDC65	85478	1832	0.669387013	1.094702054	1.153301099	0.552480521
LOC100134	1E+08	2398	0.51139158	0.464621945	0.440543706	0.84415706
LRIG1	26018	4812	0.254845596	0.27784624	0.175631556	0.126202533
DPEP2	64174	1724	0.71132077	1.163279677	0.980439728	3.052871483
SEMA6C	10500	4024	0.304750748	-	0.210024614	0.201221534
NUDT17	200035	1093	1.121973475	1.630980309	0.966535962	0.926024076
ANKRD19P	138649	2307	0.531563506	0.869308263	1.373763078	-
DGCR5	26220	5427	0.225965913	0.20530006	0.077864294	0.223801949
GPM6B	2824	3219	0.380962103	0.830690344	0.853278005	1.006170179
DBIL5P2	1E+08	1692	0.724773646	0.658489021	0.374618371	0.478555232
BEST1	7439	2852	0.429984926	0.546924542	0.296332064	4.187693869
FLG2	388698	9170	0.133731408	0.072900551	0.069122605	0.022075121
COX16	51241	1724	0.71132077	0.129253297	1.593214558	0.117418134
PGAM2	5224	888	1.380987622	2.50937708	2.855199478	4.559208625
ZNF300	91975	3337	0.367490863	0.534210811	0.696473592	0.121323862
PTCH2	8643	4298	0.28532271	0.207382675	0.147476567	0.423885474
AASS	10157	5887	0.208309327	0.075703307	0.28712045	0.34385742
CUBN	8029	11933	0.102766866	0.11204191	0.106235529	0.084818932
GLIS3	169792	7656	0.160177248	0.174633765	0.055194556	0.766775996
SLC11A1	6556	3865	0.317287712	0.115307987	0.491995563	4.294739136
ATP1B2	482	3350	0.366064779	0.465620535	1.009121248	0.604265263
RAB43	339122	4592	0.267055098	0.339683971	0.322080429	1.542902919
CLEC3B	7123	886	1.384104975	0.251504159	1.669292697	0.685425044
C5orf63	401207	5680	0.215900882	0.117693319	0.111594064	0.035638884
LOC728392	728392	1503	0.815912846	-	0.421726071	0.404049627
CSPG5	10675	2334	0.525414314	0.190944888	0.995772226	0.086730447
LOC730668	730668	4162	0.294646086	0.053539809	0.1015304	0.097274802
NPHP3-AC	1.01E+08	7788	0.157462379	0.143061559	0.135647638	0.103969627
OR7E37P	1.01E+08	1203	1.019382384	0.740923308	1.053789333	1.346160352
ITPK1-AS1	319085	4701	0.26086301	0.142203373	0.044944642	0.215304045
LOC100129	1E+08	2065	0.593858115	0.215818581	0.409268303	0.19605701
ACVR1	90	3062	0.400495431	0.436641446	0.414013249	2.776620589
LOC387640	387646	6454	0.190008833	0.103578874	0.130948101	0.125459475
ECT2L	345930	4483	0.273548295	0.198824613	0.235651083	0.225773882
AKR7A2P1	246182	1324	0.926221305	0.336605264	0.159580635	0.15289189
FABP3	2170	1097	1.117882414	1.015645783	0.77040934	0.369059003
HDAC9	9734	4659	0.26321464	-	0.136049428	0.130346982
C1orf229	388759	2258	0.543098764	0.592115194	0.561429835	1.075795552
GPR137B	7107	2046	0.599372927	1.633670709	1.549008514	3.85861469
DGCR11	25786	2214	0.553892054	0.40258841	0.763449906	0.731450273
FLJ30403	729975	1701	0.720938864	1.048007924	0.869484615	1.071052185
HOXC11	3227	2100	0.58396048	0.318332407	-	1.15673636
HIST1H1E	3008	785	1.562187272	0.567726585	1.345762811	0.773613489
DSC3	1825	6978	0.175740471	0.351269638	0.272508291	0.377124566
PADI4	23569	2265	0.541420313	50.46938952	2.238778928	201.7138824
ZNF423	23090	4846	0.253057575	0.045982807	0.087199654	-
C20orf118	140711	2041	0.600841258	2.947811116	0.414080865	11.20747747
ACSM4	341392	1743	0.703566844	0.25568868	0.969752204	0.92910551
GPR65	8477	4522	0.271189077	0.295664774	0.186894968	0.761010763
STC1	6781	3897	0.314682322	3.25929254	0.162651856	4.986700242
TAT	6898	2757	0.444801236	0.565770328	0.536450246	0.440541595
LOC642820	642826	810	1.513971615	-	0.521690769	-
SPOCK1	6695	4841	0.253318944	0.230151503	0.043644859	0.167262023
LOC285033	285033	537	2.283644336	2.904709112	2.754177522	0.753925002
FLT4	2324	5857	0.209376303	0.57068299	-	0.449304289

POLR2J3	548644	1680	0.7299506	0.397915508	0.880353172	0.843453596
MST1P9	11223	4396	0.278962013	0.152069621	0.38450366	0.276290532
CEL	1056	2384	0.514394718	0.560820515	0.354504633	0.084911436
SLC44A4	80736	2646	0.463460699	0.33685969	0.239551884	0.229511182
ST3GAL5	8869	2397	0.511604926	1.301484183	2.379928476	11.40087463
CITED1	4435	1251	0.980269391	0.178123649	0.67557078	-
ADORA2B	136	1885	0.650566052	0.354640878	0.784611846	0.966503855
DKFZP6861	401232	2826	0.433940909	0.473105488	0.149529201	0.429785272
SYT2	127833	7614	0.16106081	0.058532357	0.166497054	0.026586402
SULT1C2	6819	2832	0.433021542	0.786838576	0.447637206	0.500353828
RPH3AL	9501	2754	0.445285769	0.647299012	0.306876923	0.514525069
CTSE	1510	2322	0.528129633	-	0.45496288	-
LOC158696	158696	2908	0.421704611	0.383137353	0.435938297	0.417666155
PMS2L2	5380	761	1.611454676	4.685049876	2.498768531	3.990056431
CSGALNAC	55790	4299	0.285256341	0.46650248	0.245737103	0.141262291
MSH5	4439	2945	0.416406454	0.52965324	0.286974209	0.274945824
TMPRSS5	80975	2233	0.549179135	0.399162893	0.473096197	0.453266599
KLHDC1	122773	2702	0.453855295	0.742225819	0.469174156	0.599345264
TIE1	7075	3960	0.309676012	0.39389616	1.920770558	0.255591999
BDNF-AS1	497258	2322	0.528129633	0.863692577	0.545955456	0.348714665
SEPT10	151011	3269	0.375135212	0.477157783	0.710961265	0.990780608
TTC3P1	286495	2542	0.482422112	0.525962277	0.24935259	0.557435893
GPR113	165082	4411	0.278013378	0.505174982	0.383196121	0.826052943
SEMA4F	10505	4292	0.285721577	0.051918146	0.098455154	0.33014959
GLS2	27165	2636	0.465218895	0.507206414	0.320614205	0.614351633
SPAG17	200162	7125	0.172114668	-	0.029654002	-
LOC100123	1E+08	1194	1.027066171	0.373254078	1.592598704	0.169538411
PAQR5	54852	5480	0.223780476	0.243977392	0.308444907	0.369395735
NAP1L6	645996	2044	0.599959397	0.654107685	0.103368279	0.594213883
LOC100123	1E+08	2743	0.447071458	0.649894815	0.924322689	0.442790076
RASIP1	54922	3311	0.370376626	0.06730072	0.446690827	0.122276571
TRIM78P	117852	1277	0.960310891	1.395976099	0.992724016	6.340763131
AGSK1	80154	2561	0.478843033	-	0.165001766	0.079042898
FAM20C	56975	2768	0.443033601	19.7232687	0.686980799	49.36397489
C12orf23	90488	3386	0.362172773	0.065810007	0.31199758	0.298920353
HSP90AA6	441051	306	4.007571922	2.184634164	2.761892305	0.661532232
CXCL12	6387	3545	0.345928634	0.062858303	-	-
C1orf127	148345	2779	0.44127996	0.481106912	0.152058123	0.3642117
ACAD11	84129	3556	0.344858551	0.250655438	0.118832824	0.341556012
SLC12A8	84561	3510	0.349378065	0.634850954	0.300975444	0.461376326
COL5A2	1290	6930	0.176957721	0.064309577	0.121953686	0.029210514
LOC219347	219347	4059	0.302122939	0.274492097	0.260267013	0.099743219
LOC100495	1E+08	2469	0.496685706	0.361008805	0.085575035	0.163976398
C18orf26	284254	2027	0.604991124	0.769525798	0.312705616	0.798929898
ALOX12	239	2358	0.520066585	1.417510717	0.268810129	0.686781554
ASB14	142686	3175	0.386241577	1.193119887	1.73020592	1.402656688
PCDHGA5	56110	4602	0.266474795	0.048420835	0.091823017	0.04398715
LOC401127	401127	1651	0.742772264	-	0.383921432	-
PLEKHG6	55200	3149	0.389430616	0.070762999	0.134191655	0.707118924
C9orf7	11094	2891	0.424184368	0.231234194	0.365418128	0.840244329
PIH1D2	120379	1263	0.970955668	1.058587576	0.836440069	1.121933524
MAP2K6	5608	1879	0.652643432	0.592955521	0.899562582	0.430928926
APLNR	187	3905	0.314037646	-	0.054106213	-
TMPRSS11	9407	2800	0.43797036	0.159166203	0.301835373	0.072296022
B3GNT7	93010	3641	0.336807747	0.122401914	0.29014661	0.055597051
LYPD6B	130576	1600	0.76644813	-	-	-
MYEF2	50804	5403	0.226969648	0.329939196	0.351945744	0.449592144
SEPT11	55752	5582	0.219691331	0.439118512	0.378510859	0.616497791
EXOC3L2	90332	1719	0.713389766	0.907404766	0.983291501	0.588798322
DLX2	1746	2308	0.531333192	0.675835699	0.91544524	0.964782276
MGC14436	84983	1178	1.041016136	-	0.179358881	0.17184114
C6orf226	441150	572	2.143910854	1.168702892	1.10813686	1.769483068

NR112	8856	4446	0.275824788	-		0.047522438	0.136591675
GNMT	27232	1091	1.124030255		1.838216464	0.580984678	0.927721645
LOC10013	1E+08	2347	0.522504051		0.569661742	0.630163327	0.345000193
CLDND2	125875	990	1.238704049		1.35050112	-	0.408947198
LOC10050	1.01E+08	1476	0.830838081		1.056794575	0.715734286	1.508616187
AGBL3	340351	3542	0.346221629		0.062911543	0.298256298	0.228604024
CCBE1	147372	6276	0.195397866		0.390560792	0.336655133	0.193526638
LRGUK	136332	2700	0.454191485		0.165061248	0.313014461	0.299894612
KL	9365	5012	0.244676179	-		0.126467335	0.040388839
ZNF487P	642819	1491	0.822479549		0.896711005	0.70853374	1.221904605
C3orf71	646450	1598	0.767407389		0.557778936	0.396654746	0.633381924
C1orf53	388722	697	1.75942182		2.237917924	2.425076171	0.871286354
MYCBP	26292	2583	0.474764618		0.603882614	0.163596408	0.39184836
KLHL30	377007	3685	0.332786162		0.181410598	0.344018607	0.274666028
IKZF3	22806	2437	0.503207636		0.365749175	0.693589697	0.33225911
RHOV	171177	1726	0.710496529	-		0.244825911	-
DISC1	27185	2832	0.433021542	-		-	-
EPAS1	2034	5184	0.236558065		2.106250299	0.733627644	21.35968133
CELF6	60677	3418	0.358782039		0.717132689	0.494522554	2.901993647
SLC35E4	339665	2542	0.482422112		0.08766038	0.41558765	0.79633699
LY86-AS1	285780	2037	0.602021114		0.765748058	0.207446992	0.795007807
FUCA1	2517	2133	0.57492593		0.208938289	0.990552093	0.949033582
LOC10028	1E+08	1698	0.722212608		1.837254173	0.497726175	1.072944503
HS3ST3B1	9953	2032	0.603502465		0.438647017	0.623872327	0.398482014
TSPAN33	340348	2900	0.422867934		0.23051657	0.5099977	0.349015281
MDP1	145553	808	1.51771907		0.275783026	0.784473124	1.503184626
SH2D2A	9047	1691	0.725202252		0.922429801	0.999573087	8.379669076
MAB21L3	126868	3229	0.379782288		0.138019625	0.196300491	0.250763534
PHKG1	5260	1431	0.856965065		1.090027109	0.738241654	0.707298613
SAMD5	389432	6324	0.19391477		0.246652244	0.13363995	0.256076993
SH2D3A	10045	2376	0.516126687		0.5627088	-	1.363157326
PDE7B	27115	5387	0.227643774		0.330919153	0.235327375	0.03757729
SLC2A11	66035	2403	0.510327511		0.463655191	0.08792541	0.336960238
PCA3	50652	3735	0.328331194		0.238642768	0.169706636	0.162593464
FCGR1B	2210	1139	1.076661113		0.978194402	2.226002754	3.19905139
UCN2	90226	1546	0.793219281		0.432404951	1.776650645	0.392811506
ATP9A	10079	7580	0.161783246		1.734449657	0.139369895	4.780312199
KIAA1875	340390	7119	0.172259729		0.438215703	0.207752961	0.142175069
MLK7-AS1	339751	2551	0.480720113		0.262053334	0.248472867	0.079352749
ABHD12B	145447	1708	0.717984197		0.130464101	0.865921153	1.540734905
LOC28329	283299	2503	0.489938877		0.801236182	0.337650438	0.485246975
CPAMD8	27151	5996	0.204522516		0.148654226	0.211425712	0.405127811
C18orf1	753	8946	0.137079925		0.224177751	0.212560122	0.316790083
EPN2	22905	4835	0.253633301		0.875661016	0.742883339	1.800298057
CMBL	134147	4047	0.303018781		0.605673223	0.417661994	0.400155894
SDHAP3	728609	1153	1.063588038		0.193263387	1.465982733	0.526701291
AP3S2	10239	6053	0.202596565		0.220881564	0.453775301	0.401312796
METTL20	254013	2183	0.561757677		1.020763558	0.580718538	1.761863672
MTMR9LP	339483	2341	0.523843233		0.380747859	0.631778441	0.432355538
TMEM130	222865	3065	0.400103428		0.218107032	0.344673346	0.528362448
LOC28554	285540	1133	1.082362761		1.573399363	1.491860627	1.786662515
LOC10030	1E+08	570	2.151433348		1.172803604	3.706750199	1.065415068
FLJ44635	392490	2269	0.540465848		0.196414883	0.838062077	0.178430025
DIRC2	84925	3348	0.366283455		0.599012593	1.388370594	2.478967557
MSTO2P	1E+08	2559	0.479217276		0.435390162	0.743088258	0.15820935
FBXO40	51725	5722	0.21431615		0.038943147	0.221549907	0.247641042
SLC15A1	6564	3142	0.325248517		0.212761952	0.537962473	0.450987282
GRAMD1C	54762	3770	0.271069188		0.059106813	0.448349626	0.322167952
AICDA	57379	2794	0.36575907		0.319016013	0.226862664	0.14490255
TMC7	79905	4524	0.22589099		0.344789742	0.23351543	0.313218842
CN5H6.4	150384	1532	0.667056684	-		0.137914335	-
PCDHB3	56132	3173	0.32207086		0.280911043	0.199764981	0.127594619

KCNA7	3743	4372	0.233744474	0.203872539	0.144980394	0.324108427
AGAP1	116987	4530	0.225591797	0.147571314	0.699618415	0.178745133
DHRS2	10202	1709	0.597970064	-	0.494522554	0.710692322
SUSD5	26032	5005	0.204181986	0.133566045	0.084429475	0.121335982
FAM74A2	653114	1790	0.570911084	0.871412734	0.354108539	0.339266251
NODAL	4838	2086	0.489899732	0.213645911	0.709009266	0.291124923
NEURL1B	54492	6417	0.159253676	0.069450735	0.164628924	-
C1orf210	149466	1495	0.683565779	0.745259815	0.282655199	0.677019609
ESRRB	2103	3029	0.337382252	0.220699259	0.558031724	0.467811833
RHPN1	114822	3795	0.269283489	1.70280576	0.055674509	0.906795961
LOC100133	1E+08	2305	0.443353944	0.386694464	0.274991013	0.70257306
TF	7018	2808	0.363935484	0.238069108	0.225731583	0.576720407
AGAP7	653268	2420	0.422285471	0.368318487	0.523846516	0.501889743
DISC2	27184	3892	0.262572158	0.28627015	0.217147751	0.208046108
SEMG1	6406	1663	0.614510427	-	-	0.121725113
S100A9	6280	586	1.743909284	234.2405014	28.48378182	938.565223
ATP1B4	23439	4773	0.214106608	0.280116511	0.221333293	0.212056215
GPR35	2859	2293	0.445674156	19.92180566	1.935010898	35.13592999
GARNL3	84253	3752	0.272369627	0.059390374	0.281562848	-
CCDC148	130940	2846	0.359076191	0.391483986	-	0.426764996
TMC5	79838	4917	0.20783625	0.407869466	0.429702586	0.205845905
CCDC68	80323	4136	0.247081925	0.053876374	0.051084323	0.097886297
AOX1	316	4949	0.20649239	0.0450258	0.213462075	0.122708949
WNT8B	7479	1996	0.511989399	0.781477351	0.529270444	0.709920862
L1TD1	54596	4005	0.255163755	0.723302098	0.158265739	0.050544036
PLA2G10	8399	1020	1.001892981	0.218463416	1.242851537	-
C1orf226	400793	4146	0.246485972	0.376224986	0.152883329	0.390600797
SHOX2	6474	3233	0.316093672	1.998808493	0.718877938	2.880212711
ARHGEF4	50649	4258	0.240002546	0.052332711	0.099241316	-
TPI1P2	286016	2017	0.50665882	0.773340998	0.314255966	0.60216816
GPLD1	2822	3489	0.292900785	-	0.242229592	0.058019164
CA11	770	1686	0.606127426	0.396499439	0.250634355	0.360193706
UFSP1	402682	1016	1.005837441	0.657970526	1.663659538	0.398482014
PDGFRB	5159	5718	0.178721728	0.389703891	0.369508152	0.354020397
HEYL	26508	4131	0.247380983	-	0.153438461	0.098004775
SLC28A2	9153	2463	0.414913049	0.09047206	0.343134001	0.410939632
ABCA10	10349	6348	0.160984694	0.14041127	0.332836738	0.223220233
ITIH4	3700	3283	0.311279574	0.407248282	0.25742889	0.986555531
TPTE2P1	646405	6477	0.157778422	0.13761475	0.260966202	0.375041895
ENPP3	5169	3180	0.321361899	0.140146343	0.199325247	-
RILP	83547	1807	0.565540033	4.439389403	1.520034254	13.77905376
AGMO	392636	2475	0.41290135	0.270100224	0.256102741	0.327157758
PANX2	56666	3069	0.332984959	0.145215174	0.344224114	0.395755353
RPL23P8	222901	523	1.953978662	0.852132638	0.807972319	0.387053275
DLG2	1740	8061	0.126774698	0.110573222	0.131053691	-
C3orf35	339883	1807	0.565540033	-	-	0.112024827
ACCN3	9311	2088	0.489430479	-	0.404760079	0.096948689
DNMBP-AS1	1E+08	2651	0.385488812	0.336224345	0.239100069	0.229078306
ZNF154	7710	2760	0.370264797	0.64589184	0.1531049	0.146687582
PPP4R4	57718	3868	0.264201355	0.230437109	0.10924755	0.157002738
LGSN	51557	5634	0.181386376	0.158205669	0.15000693	0.107789597
PPIL6	285755	4223	0.241991674	0.633197304	0.750478669	0.47934848
EML5	161436	7171	0.142508833	0.124296575	0.117855117	-
FLJ39653	202020	2547	0.401229227	1.924742467	0.6636349	0.476864224
LDB3	11155	5436	0.187993164	0.286944222	0.116603069	0.186192847
KLC3	147700	1793	0.569955851	0.372837732	0.707032107	-
C1orf140	400804	4492	0.227500187	0.198426255	0.235178942	0.22532153
IL1A	3552	2943	0.347241196	4.694402465	0.933299999	19.32807016
POU2AF1	5450	3032	0.33704843	0.587949036	0.627164529	0.867933779
CD24	1E+08	2194	0.465784339	0.507822891	0.096301167	0.461323753
TMIGD2	126259	1282	0.797137941	0.347632894	0.988852237	0.631603317
ELOVL7	79993	3902	0.261899241	0.2855365	0.216591247	0.259391162

DCX	1641	9433	0.108335719	0.11811337	0.089593877	0.064378945
MCF2	4168	3867	0.264269677	0.2304967	0.109275801	0.471130015
FAM108C1	58489	2408	0.424389884	0.277615471	0.087742841	0.420325712
HNF1A	6927	3241	0.315313434	0.343771498	0.260764901	0.062458767
IFT43	112752	865	1.181422937	0.77283012	0.732779519	0.936087228
STX16-NPE	1.01E+08	4048	0.252453271	0.550476	0.260974261	0.900128343
LOC284440	284440	2385	0.428482533	0.747447161	0.177177997	0.509255001
LOC144480	144486	2568	0.397948147	0.173545705	0.411379987	0.078827439
MAP2	4133	9445	0.108198077	0.023592661	0.044740024	-
PATE2	399967	1640	0.623128561	1.222862294	0.515328686	0.987457868
TTC32	130502	838	1.219487876	1.329550625	1.512778721	1.449371334
LOC644240	644246	538	1.899499703	2.485122878	1.963613024	2.257570962
GPR77	27202	1287	0.794041057	2.597117538	7.715915916	11.95384117
NOTCH3	4854	8089	0.126335868	0.137738092	0.13060005	0.425428442
CADM4	199731	2176	0.469637335	0.102404726	0.388391105	0.18605594
PCDH11X	27328	4767	0.214376094	0.373958774	0.310256625	0.127393872
PRDM11	56981	2229	0.458470543	0.499849001	0.663523252	0.454079998
FOXP3	50943	2397	0.426337439	0.278889468	0.088145499	0.25335277
MYLK4	340156	5760	0.177418549	0.23211738	0.220088293	0.562302397
SCN2B	6327	4922	0.20762512	0.316909548	0.128779822	0.082254719
DKFZp6860	401014	4760	0.214691353	0.046813589	0.08877511	0.042527072
PKP2	5318	4439	0.230216454	0.150596543	0.190389512	0.228011785
LOC283143	283143	2256	0.452983528	0.296320059	-	-
RAB17	64284	2018	0.50640775	-	-	-
PLEKHG4B	153478	11529	0.088640024	0.07731206	0.054979121	0.105349395
TMOD4	29765	1322	0.77301879	1.517015252	0.479466176	0.459369583
CYP27C1	339761	4685	0.218128248	0.190252025	0.225490674	0.475286551
SNCG	6623	855	1.195240749	0.521246046	2.22405012	0.710276712
MAGIX	79917	2622	0.389752418	-	0.161163052	0.463223943
LOC284551	284551	2741	0.37283139	0.731665145	0.462498566	0.738521937
C19orf23	148046	1373	0.744305055	0.811481008	1.231083824	0.884612657
ADRA1A	148	2304	0.443546372	0.290146725	0.733627644	0.351438998
FOXD4	2298	2208	0.462830996	0.1009206	0.095690562	0.091679739
C21orf56	84221	2332	0.438220772	0.191108649	0.724819078	0.08680483
CGREF1	10669	1934	0.52840271	-	-	-
UPB1	51733	2167	0.471587836	6.272632104	0.780008348	19.24335292
SORBS1	10580	7226	0.141424141	-	0.175437112	0.084041875
LOC100123	1E+08	716	1.42727771	1.244875334	0.590180898	1.130887503
ZNF253	56242	2351	0.434679217	0.189564172	0.089870166	0.086103302
SPON2	10417	2179	0.468990748	0.204527476	0.193928188	0.185799782
DOCK3	1795	8777	0.116432818	0.076164755	0.024072549	0.161444917
CRX	1406	4482	0.228007773	0.44745519	0.329985125	0.270989107
FAM157B	1E+08	1278	0.799632895	2.266686152	0.661298158	4.276666119
DACT3	147906	2834	0.360596627	0.157256658	0.670981952	1.142858789
CLK2P	1197	1812	0.563979492	0.122976095	0.233206138	-
LRRC19	64922	3624	0.281989746	0.430416334	0.349809208	0.335147124
FGFR3	2261	4310	0.237106923	-	0.588263837	0.093934507
CRYM-AS1	400508	2304	0.443546372	0.58029345	0.550220733	0.08785975
SERPIN2	5055	2180	0.468775615	47.12195764	1.841472691	52.37150399
PDE6G	5148	1064	0.960461316	0.628287645	2.581486746	0.951263454
CXCL2	2920	1234	0.828144927	-	1.369755341	0.328085677
OCLM	10896	901	1.134218469	0.741951226	0.70350087	1.12335662
C6orf208	80069	2566	0.398258317	1.302607276	0.247020376	0.552222151
SCARNA22	677770	125	8.175446722	3.565322956	6.761112364	1.619430904
HSF2BP	11077	1916	0.533366827	0.697805902	1.543834373	0.211303615
TUBG2	27175	1841	0.555095513	0.121038938	0.459065207	0.219911855
LOC340511	340515	2041	0.500701049	0.436712758	0.517601081	0.099181217
LOC100500	1.01E+08	977	1.045988577	0.22807849	0.432517423	1.243165996
C2CD4A	145741	3461	0.295270396	0.450687314	0.183141949	0.23395419
ZNF365	22891	3414	0.299335337	0.195810795	0.309438725	0.711525002
HHAT	55733	3641	0.280673123	0.550808614	0.58029322	0.722761664
CRB2	286204	5641	0.181161291	0.079004675	0.112365588	0.071770559

DDR2	4921	3252	0.314246876	0.137043472	0.324853569	-	
FAM82B	51115	3064	0.333528342	0.145452144	0.413743005		0.396401168
CD180	4064	2725	0.375020492	0.081773462	1.39564246		1.931431353
LRRN4CL	221091	2600	0.393050323	0.599934151	0.568843588		0.31142902
ZNF69	7620	1671	0.611568426	0.133352893	0.379326322		0.242284695
BMP8B	656	3773	0.270853655	0.354358894	0.503992275		0.053651965
ANO7	50636	4128	0.247560766	0.431846288	0.307099944		0.245189999
C6orf147	387097	1444	0.707708338	0.925897582	0.146319087		1.261675739
IGF1	3479	7370	0.138660901	0.120940399	0.028668217		0.19226622
KLRC2	3822	1223	0.835593492	-	0.345518825	-	
MRVI1	10335	6376	0.160277735	1.048459934	0.198825058		1.650925482
MAPK8IP2	23542	3381	0.302256977	0.131814661	0.062491796		0.538852341
FAM176B	55194	1054	0.969573852	0.422832419	4.410118359		2.304692937
LOC100310	1E+08	851	1.200858802	1.047392173	0.993112862	-	
HNRNPKP3	399881	1882	0.543002572	0.236804128	0.336798238		0.322681503
FBXO44	93611	3320	0.307810494	0.201354836	0.063639988		0.243890196
HYI	81888	1133	0.901968968	0.590024761	1.118895471		0.893331258
FLJ41941	1E+08	2379	0.429563195	0.561999205	0.088812426		0.425449481
RAB3A	5864	1528	0.668802906	0.291665818	0.55310147		0.264959245
SMAGP	57228	1087	0.940138767	0.81999148	0.777496822	-	
TMEM184	202915	6293	0.16239168	0.177048057	0.033574569		0.160836535
LOC40092	400927	494	2.068685911	4.059704783	3.421615569		3.27820021
OTX2OS1	1E+08	2440	0.418824115	0.365299483	0.086592115		0.414813244
SNTN	132203	1586	0.644344792	0.280999602	0.799311834		0.765809065
HIST1H2BL	3017	829	1.23272719	2.687969659	3.313271288		13.67432609
MYH7B	57644	6530	0.156497832	0.17062227	0.064712025		0.216998781
C9orf66	157983	2786	0.366809347	2.159541453	0.606704268		2.325098211
TBC1D3F	84218	2122	0.48158852	1.050106903	0.696980834		0.381581269
TTLL7	79739	3648	0.28013455	0.061083521	0.057917972	-	
CD109	135228	9464	0.107980858	0.070635889	0.156275711		0.085557423
TMEM198	130612	2239	0.456422885	0.597139843	0.660559772		0.452051949
ACTA1	58	1509	0.677223884	0.295338217	0.420049227		0.134147689
ZNF528	84436	3995	0.255802463	0.223111574	-		0.050670554
PAM16	51025	600	1.703218067	0.742775616	1.056423807		0.674762877
IL18	3606	1145	0.892516018	1.751523286	0.922640879		4.066256636
GGT8P	645367	2484	0.41140533	0.5382432	0.34023311		1.222396515
OTUD6A	139562	1689	0.605050823	0.527726903	0.625472947		0.838959172
KLF11	8462	4054	0.252079635	0.164898385	0.469058424		0.149799356
DEFA4	1669	542	1.885481255	369.6062428	3.118594264		136.6955052
LOC728613	728613	2583	0.395637182	0.17253789	0.163596408		0.156739344
MXRA8	54587	2290	0.446258009	2.043443834	0.738112703		1.414350134
RNF138P1	379013	5701	0.179254664	0.273606173	0.185305		0.248553243
CHRNA7	1139	3428	0.298112847	0.130007401	0.308174973		0.177154781
SERTAD1	29950	1213	0.842482144	2.755556695	1.74183645		8.84478956
FBLN1	2192	2947	0.346769881	-	-	-	
C3orf70	285382	5901	0.173179265	0.113285554	0.322244171		0.102912488
LOC100128	1E+08	1897	0.53870893	0.469863331	0.891026932		0.533549981
SLAMF7	57823	2672	0.382459147	0.750559193	0.553515468		20.22773443
ACSBG2	81616	2712	0.376818156	0.246496333	0.155814721		0.223925733
LILRB2	10288	2940	0.347595524	4.320225521	0.431193391		11.63621695
CCNB3	85417	4524	0.22589099	0.098511355	-		0.089491098
MYO3B	140469	6212	0.16450915	0.179356636	0.034012357		0.097760236
C17orf77	146723	2525	0.404725085	0.706004546	0.167354266		0.962038161
CCRL1	51554	2402	0.425449975	0.556617864	0.351848062		0.337100521
MDFIC	29969	5312	0.192381559	0.041948924	0.159099971		0.076215686
CCDC114	93233	3234	0.315995931	0.41341871	0.195996996		1.439661054
FRG1B	284802	978	1.04491906	0.455690562	0.864150353		0.206982477
FAM98C	147965	1291	0.791580821	3.106884838	1.636597687		2.352000731
CEACAM5	1048	3600	0.283869678	0.30948984	0.058690211		0.168690719
ADORA2A	135	2590	0.394567892	4.559896638	0.571039896		14.30288877
CYP1B1-AS1	285154	1776	0.575411509	-	0.23793329		0.113980216
LAMA2	3908	9708	0.105266877	-	0.065291953		0.020851758



BMP3	651	5734	0.178223028	0.116584941	0.184238543	0.035303255
MGC50722	399693	3630	0.281523647	0.736636974	0.698462021	0.278827635
APC2	10297	10151	0.100672923	0.285373353	0.145699274	0.199417656
TFAMP1	260341	2223	0.45970798	0.300718873	0.095044877	0.091061117
AGBL2	79841	3613	0.282848281	0.246701007	0.701748446	0.392195417
LOC285103	285103	1835	0.55691054	0.242869411	0.575707797	0.110315457
CSF1	1435	2973	0.343737249	3.97246293	0.142135729	48.07089716
ALOX15	246	2707	0.377514163	0.082317209	0.234153781	0.523458456
RGS3	5998	4643	0.220101409	0.191973022	0.273036521	1.787547573
MOV10L1	54456	3966	0.25767293	-	0.372918137	0.051041065
ROS1	6098	7368	0.13869854	0.060486614	-	-
LYG1	129530	1015	1.006828414	0.878158364	1.873460938	1.994373034
UPP1	7378	1857	0.550312784	7.799743946	0.568887349	32.70256267
GHRL	51738	1374	0.743763348	6.973657528	1.076414359	7.513735088
CECR2	27443	5760	0.177418549	-	0.513539351	0.210863399
PRELP	5549	5833	0.175198155	0.343818646	0.326000832	0.312336665
ANXA8L1	728113	1954	0.522994289	-	0.324388068	-
RGL1	23179	5113	0.199869126	0.217907965	0.206615257	0.435501172
LOC100133	1E+08	3021	0.338275684	0.221283699	0.419632098	0.201021711
SIRT4	23409	1213	0.842482144	0.367407559	0.34836729	0.333765644
FTH1P3	2498	954	1.071206331	1.167886188	0.442944992	0.212189584
SLC7A5P1	81893	615	1.661676163	0.724659137	0.687104915	0.329152623
ESRP1	54845	3806	0.268505213	0.351286418	0.0555136	1.170109034
ASPHD1	253982	1562	0.654245096	-	0.811593193	0.259191886
KLF2	10365	1655	0.61748087	0.134642106	1.404309592	1.100821611
CCNI2	645121	2355	0.433940909	0.094621098	-	0.085957054
ZNF835	90485	2774	0.368396121	0.321316056	0.1523322	0.291894539
C8orf39	55472	709	1.441369309	0.628583032	1.788023368	0.571026412
PAOX	196743	1878	0.544159127	1.186542517	0.900041582	1.509054356
LOC643803	643802	1344	0.760365208	1.492183157	0.786029618	2.56048413
ITGB5	3693	3392	0.301276781	0.197080794	0.186867419	0.358069923
MCART6	401612	6239	0.163797218	0.392876989	0.304786481	0.097337168
SPP1	6696	1641	0.622748836	47.39098536	5.536407519	517.1126103
VGF	7425	2586	0.395178206	0.258506595	0.326813243	0.547951292
LINC00176	284739	5264	0.194135798	0.084662874	0.160550731	0.038455331
CAMK2N2	94032	1360	0.751419735	0.327695125	0.776782211	-
FUT6	2528	3137	0.325766924	0.781370587	0.20205747	0.774353317
CNTNAP2	26047	9894	0.103287936	0.112610008	0.08541935	-
PPM1N	147699	1718	0.594837509	0.259409412	0.368948943	0.471312836
CRLF2	64109	1579	0.647201292	-	-	0.512802693
LFNG	3955	2384	0.428662265	18.88095735	1.152140058	27.34148233
GGT7	2686	2640	0.387095015	0.50643792	0.720288959	1.150163994
C15orf58	390637	1351	0.756425492	0.989634425	1.094739696	1.947872108
LMOD3	56203	4099	0.249312232	0.543626945	0.360818085	0.296309631
MESTIT1	317751	3242	0.315216175	0.137466184	0.195513351	0.187318504
LOC100503	1.01E+08	4365	0.234119322	0.255249353	0.242021491	0.278252733
VSIG4	11326	2209	0.462621476	1.31137388	0.76517795	14.47884126
ESRP2	80004	4021	0.254148431	0.720423999	0.420362619	0.55377207
CHN1	1123	2523	0.405045914	0.52992315	0.921178111	0.802333979
GSDMC	56169	2731	0.374196573	0.326375225	0.154730693	0.444735693
ST6GAL2	84620	6871	0.14873102	0.129723583	0.18450132	0.206229376
TYMP	1890	1671	0.611568426	1.866940507	1.643747395	34.40442674
CLDN18	51208	3359	0.30423663	0.199016985	0.06290109	0.180793864
SERINC2	347735	2871	0.355949439	0.077615007	0.220778225	0.352540688
LETM2	137994	1854	0.551203258	0.721141375	0.911692606	1.310219178
KIAA1244	57221	14895	0.068608986	0.044880702	0.014184945	0.054361561
AFAP1	60312	7786	0.131252356	0.171717969	-	0.129995417
ABHD4	63874	2543	0.401860338	0.175251817	0.997018142	2.86568583
C19orf81	342918	765	1.335857307	0.873853666	0.828567692	0.264612893
ZNF853	54753	3578	0.285615103	0.124557118	1.062919426	0.113151964
LGMN	5641	2191	0.466422109	0.406814577	0.28929908	0.739128664
WTIP	126374	2204	0.46367098	-	0.287592688	0.183692253

SRRM5	1E+08	2415	0.423159768	0.369081051	0.262465542	0.167642951
OSGIN1	29948	2409	0.424213715	0.185000153	0.438532091	1.008362954
LOC100124	1E+08	1837	0.556304214	-	0.690097206	-
MAFIP	727764	2293	0.445674156	0.09717954	0.645003633	0.264843693
LOC100129	1E+08	2799	0.365105695	0.159223069	-	-
ZNF815	401303	2821	0.362258362	0.710916045	0.973662495	0.932851903
LSR	51599	2285	0.447234503	-	0.092465979	-
LRIT3	345193	3641	0.280673123	0.122401914	0.174087966	0.111194102
LOC440890	440896	3182	0.321159912	0.140058256	0.398399927	0.445318052
C10orf111	221060	1785	0.572510275	0.124836238	0.118366813	0.113405525
FLJ22184	80164	4518	0.226190978	-	0.093530218	-
CCDC13	152206	2847	0.358950067	-	0.222639369	0.213307548
SAA2	6289	2053	0.497774399	0.434160126	0.205830259	0.295804476
NME1-NM	654364	1312	0.778910701	0.169841985	0.322080429	0.154290292
CD74	972	1519	0.67276553	7.774938967	0.834567853	37.18081156
FLJ27354	400761	789	1.295222865	-	0.535576074	0.769691494
TMEM38A	79041	1639	0.623508749	0.679782443	0.773464654	1.23507543
TBC1D30	23329	7840	0.130348321	0.426338045	0.215596695	0.154920048
LOC100294	1E+08	3699	0.276272193	0.843378639	0.571194272	3.611869412
MCTP2	55784	7637	0.133813126	0.029178039	0.442654993	0.053012665
HIST1H2AC	8334	546	1.871668206	0.81623694	3.482715847	19.64968816
ZNF703	80139	2174	0.470069384	0.307496805	0.194374205	0.651794867
IRAK1BP1	134728	1157	0.883259153	0.770380933	0.730457256	0.349920247
ROR2	4920	4099	0.249312232	4.457740949	5.618453034	14.66732674
TUBB4A	10382	2318	0.440867489	-	1.002645546	-
SCARNA9L	1E+08	348	2.936582874	3.201619034	7.285681426	1.16338427
TMEM45B	120224	2207	0.463040707	0.201932655	0.57440352	0.183442558
ZNF677	342926	3509	0.291231359	0.381019125	0.060212243	0.230753905
USP6	9098	7971	0.128206102	0.27955424	0.159040091	0.152374003
CYP2B6	1555	3052	0.334839725	0.29204808	0.62305467	0.132653252
MTRNR2L4	1E+08	1231	0.830163152	0.905088078	0.686546747	0.657770473
C1orf150	148823	2644	0.386509395	0.16855725	0.799110293	0.765615972
SERPING1	710	1984	0.515086109	0.336944584	1.59741503	122.2327509
SLC22A20	440044	2377	0.429924628	1.218689483	1.511081592	0.596130434
KLF8	11279	5434	0.188062356	0.082014238	0.07776399	0.111756825
VWA5A	4013	3552	0.287705755	0.125468854	0.23793329	0.797861509
PLEKHH2	130271	6972	0.146576426	0.12784434	0.090914269	0.20324183
CHST5	23563	3265	0.312995663	0.34124454	0.647120249	0.433997562
CEACAM8	1088	2333	0.438032936	0.382053467	0.362254199	0.347070489
KIAA1683	80726	4421	0.231153775	0.201612924	0.095582339	0.824184468
TAS2R10	50839	924	1.105985758	0.964643657	0.457326323	0.657236568
AQP6	363	2654	0.385053067	0.503766431	0.557269529	0.152546242
PLA2G2F	64600	2737	0.373376266	0.081414938	-	0.221880376
PECR	55825	1874	0.545320619	1.189075159	0.789217358	1.620295061
DMBX1	127343	2896	0.352876671	-	0.14591489	0.419396816
TRIM69	140691	1911	0.534762344	0.233210554	0.110562408	3.28377538
AQP5	362	1835	0.55691054	-	-	-
SLC35F1	222553	4852	0.210620536	0.413333504	0.304821379	0.333765644
FCGR1C	1E+08	1338	0.763774918	0.333083236	0.789554415	1.966797622
PARVA	55742	8719	0.117207345	0.051114276	0.024232683	-
INHBE	83729	2453	0.416604501	0.090840882	0.344532835	0.165045954
FLJ46906	441172	1022	0.999932329	-	0.413473114	-
ECSCR	641700	1027	0.995064109	1.301846259	0.20573005	1.379748822
RAB26	25837	1641	0.622748836	0.407372367	0.38626099	0.123357016
CCDC107	203260	1272	0.803404749	0.700731713	0.996626233	0.318284376
C20orf203	284805	4803	0.212769278	0.371155836	0.131970494	0.25287803
MANSC1	54682	2297	0.444898058	1.261134045	1.103795009	1.76254996
NAV3	89795	9758	0.083781991	-	0.281482056	0.082979653
FAM196B	1E+08	3548	0.23042409	0.125610307	0.059550384	0.228217433
SSPN	8082	4547	0.179798696	0.735097926	0.836403278	6.544324358
PTPRH	5794	3935	0.207762306	0.283141912	0.429549705	1.954840354
NCF1B	654816	1552	0.526768474	94.18701108	6.262306071	153.3868188

LOC40065	400655	2674	0.305738471	0.249999272	0.237043487	-	
BEST3	144453	3552	0.230164604	0.125468854	0.23793329	-	
PCGF2	7703	2622	0.311801934	0.254957305	0.080581526		0.308815962
GDF9	2661	2020	0.404725085	0.220626421	0.627578499	-	
SGK2	10110	2146	0.380962103	0.103836293	0.098455154	-	
PLCH1	23007	6473	0.126300737	0.275399579	-		0.125091218
C9orf68	55064	3763	0.217258749	0.059216764	0.112295914	-	
RIBC1	158787	1949	0.41946879	0.228663607	0.216813506	-	
TSHZ2	128553	12204	0.066989894	0.109553926	0.017312747		0.132696731
DNAJC28	54943	1912	0.427586126	0.466177165	0.884036658		1.058728363
SEMA6B	10501	3961	0.206398554	11.92641484	0.320047606		78.1403008
CSPG4	1464	8305	0.098440057	0.053662296	0.02544067		0.097497345
IL21R	50615	5006	0.163312959	0.267078727	0.126618914		0.363935231
CAV2	858	3121	0.261949591	0.571182787	0.338488884		0.194580772
TP53I3	9540	2042	0.400364678	0.218249446	0.206939041		0.49566323
FLJ42289	388182	3176	0.25741331	0.420968548	0.199576286		0.063737048
LINC00092	1E+08	1805	0.452933336	0.617265055	0.351165808		0.897191636
HOTAIR	1E+08	2337	0.349826561	0.476749432	0.271225624		0.346476445
ADAM32	203102	2742	0.298156336	0.081266479	-		0.07382526
KDM4D	55693	2988	0.273609328	1.044062111	0.353555491		0.20324183
QPCT	25797	1719	0.475593178	1.296292523	1.106202939		4.474867244
SLAMF6	114836	2754	0.296857179	0.242737129	0.537034615		1.69058237
LOC38924	389247	810	1.00931441	-	0.260845384	-	
GHRLOS	1E+08	1725	0.47393894	1.937675519	1.224839196		0.821450458
FAM116B	414918	2029	0.402929853	0.658943375	0.62479476		0.897910186
SHROOM2	357	7445	0.109811239	-	0.056758834	-	
LOC10050	1.01E+08	1749	0.46743549	1.019246128	0.845622258		1.273137503
SYCP3	50511	1141	0.716515927	0.195295955	1.481400606		0.177413552
SLC16A14	151473	4411	0.185342252	0.101034996	0.143698545	-	
GALNTL2	117248	4641	0.176157008	0.240069688	0.273154184		0.392557588
C13orf16	121793	736	1.110794392	-	-		0.275039216
TMEM136	219902	4462	0.183223817	0.249700454	0.189408123		0.13610188
MYOM2	9172	5018	0.162922414	0.044406673	0.126316119		0.161362186
B4GALNT3	283358	3438	0.237796589	0.324073131	0.184367157		1.059836979
HSP90AB3	3327	1794	0.45571052	0.372629908	0.471091999		0.225673203
PARK2	5071	4073	0.200722974	0.437677751	0.829991697		0.248500937
NLRP11	204801	4059	0.201415292	0.109796839	0.156160208		0.049871609
SLC17A7	57030	2993	0.273152246	-	-		0.067634101
LILRB1	10859	2971	0.275174915	0.600020693	0.426694234		0.613214327
CDRT15P1	94158	1101	0.742547386	0.404782352	1.151415593		0.551577283
ZNF137P	7696	2484	0.329124264	0.5382432	0.425291388		1.140903414
UPK3A	7380	1056	0.77419003	1.6881264	0.600240799		1.150163994
SLC26A7	115111	5280	0.154838006	0.08440632	0.12004816		0.0383388
PATE4	399968	1986	0.411653913	0.112201755	0.212774181		0.203855854
MYOM1	8736	5848	0.139799021	0.381040843	0.325164646		0.415380704
CELA1	1990	952	0.858765412	-	1.109688873	-	
CD72	971	1548	0.528129633	0.431846288	0.545955456		0.915375995
DPPA4	55211	2823	0.289601372	0.394673547	0.224532159		0.358535003
MZB1	51237	845	0.967508488	-	1.250205689	-	
STAB2	55576	8266	0.098904509	0.026957741	-	-	
NKPD1	284353	4687	0.174428136	0.380341685	0.180315563		0.561462603
LOC72901	729013	1113	0.734541484	0.400418122	0.569500704		0.545630358
DIP2C	22982	7896	0.103539092	0.028220958	0.133792275		0.051273775
SUGT1P3	283507	1078	0.758390234	0.82683742	0.195996996		0.938909383
DSEL	92126	9281	0.088087994	0.240095555	0.091061205		0.065433314
DMGDH	29958	3104	0.263384237	0.143577761	-	-	
KBTBD10	10324	2472	0.330721955	0.540856031	0.341884727		0.081888699
PLAC4	191585	10009	0.081680954	0.111316158	0.126656866		0.10112342
NDST3	9348	5961	0.137148913	0.299054098	0.106333549		0.135835506
KCNV2	169522	2174	0.376055507	0.102498935	0.097187103	-	
RPA4	29935	1560	0.524067098	0.285682929	0.270877899	-	
FAM59B	150946	5169	0.158163024	0.21554719	0.08175073		0.117486281

RANBP3L	202151	2635	0.310263633	-	0.08018397	-
SCARNA12	677777	270	3.02794323	3.301224959	9.390433838	6.747628765
C17orf109	643008	4368	0.187166821	0.153044426	0.241855267	0.185374417
SULT2A1	6822	1987	0.41144674	0.112145287	0.531667744	0.407506518
CCL3	6348	813	1.005590003	3.289043317	3.638359974	72.45608748
LOC285954	285954	1858	0.440013279	0.239862955	0.454864933	-
SPDYA	245711	1830	0.446745722	0.487065978	0.230912307	0.22123373
SYNC	81493	3493	0.234052297	0.318970347	0.181464152	0.17385817
FAT2	2196	14565	0.05613077	0.12239351	0.058025338	0.055593234
OSTalpha	200931	1455	0.561886373	1.378346504	0.726064472	1.11301093
KRT42P	284116	2864	0.285455542	0.155609417	0.295090449	0.282721876
EFHC2	80258	3269	0.250090141	-	0.452429896	-
CDHR3	222256	6500	0.125776103	0.102845854	0.065010696	0.093428706
HIF3A	64344	5899	0.138590383	0.151098617	0.25071933	0.240210551
INCA1	388324	1574	0.519405764	1.274138604	1.073874264	1.414687098
KIF26B	55083	7287	0.112192215	0.030579482	0.086984257	-
ZP3	7784	1494	0.547218656	-	0.141422196	0.135494554
SIGLEC6	946	2122	0.385270816	1.260128283	1.095255596	11.1612521
HOXC9	3225	1640	0.498502849	0.81524153	0.644160858	1.110890102
CCDC28B	79140	895	0.913457734	0.497950134	1.180361795	0.678532502
GLB1L3	112937	2959	0.276290866	0.301227016	0.14280822	0.136822483
RNY3	6085	102	8.015143845	8.738536657	2.071419229	3.969193391
CREB5	9586	8532	0.095820988	0.078351858	0.049527605	0.237258395
LOC100501	1.01E+08	2874	0.284462308	0.310135956	0.367579613	0.493041768
DAGLA	747	5761	0.141910202	-	0.330075135	0.878444988
FAM83H	286077	5604	0.145885916	0.079526297	0.188512457	0.180611048
FKBP6	8468	1570	0.520729091	2.270906341	0.942033968	0.644677908
LOC574538	574538	2907	0.281233117	0.07665383	0.072681376	0.139269944
FCHSD1	89848	4333	0.188678669	0.617122598	0.341332409	0.934358934
ALS2CR12	130540	2013	0.406132475	0.332090439	0.419840559	0.301682359
AKR1B10	57016	1610	0.507791722	0.276810788	0.262465542	0.251464426
NHLH1	4807	2594	0.315167568	0.859031167	0.814513344	0.70233607
STL	7955	5360	0.152526991	0.20786631	0.039418799	0.075533158
LOC100501	1.01E+08	3123	0.261781835	0.142704249	0.202963267	0.324093601
LINC00324	284029	2115	0.386545944	1.158940677	0.699287626	1.148532556
WDR66	144406	3768	0.216970454	0.118276372	0.448587604	0.214892636
C6orf163	206412	1304	0.626951436	1.708839607	2.268394677	1.862842297
CSMD1	64478	14340	0.057011483	0.093235433	0.014733944	0.028232756
ANXA8	653145	2070	0.394949117	-	0.816559464	-
DPRXP4	503645	670	1.220215929	0.332586097	0.94605117	0.604265263
LOC440173	440173	2018	0.4051262	1.104225395	0.62820048	1.103427895
EIF4A1	1973	1894	0.431649774	0.352955678	0.223109568	-
TUBA8	51807	2124	0.384908038	0.629470861	0.895274413	0.476527455
PRH2	5555	4323	0.189115122	0.773187664	0.146623707	0.37460812
SEC14L5	9717	6456	0.126633314	0.172577978	0.065453767	0.094065457
CYP2W1	54905	2354	0.347300201	0.094661293	0.718045068	0.343974279
ENG	2022	3196	0.255802463	0.766946036	0.330545622	2.09016035
LOC494141	494141	2093	0.390609017	0.745259815	0.605689712	1.160605043
DFNB59	494513	1534	0.532949591	0.290525013	0.27546905	0.263922898
SCLY	51540	2544	0.321361899	0.087591464	0.083052186	0.079571094
C11orf35	256329	2098	0.389678109	1.699391304	0.30212311	1.254325652
OLFML1	283298	2921	0.279885201	0.228859313	-	0.207903659
ZFP42	132625	2646	0.308973799	0.589504457	0.319402512	0.30601491
AGAP8	728404	2420	0.337828377	0.092079622	0.436538763	0.167296581
MUSTN1	389125	742	1.101812227	-	0.284750352	0.545630358
GNN	253724	4516	0.181032921	0.148028799	0.140357459	0.044824815
SVOP	55530	3486	0.234522281	0.12784434	0.181828538	0.116138189
LOC645434	645434	1690	0.483754244	0.13185366	0.250041138	-
LOC339822	339822	1531	0.533993907	-	-	-
DDT	1652	688	1.188291675	2.914962446	1.228399775	1.471139992
TTYH2	94015	3468	0.235739525	0.514031568	0.48739276	0.291852455
ADAP2	55803	2757	0.296534157	1.61648665	0.229907248	6.167582332

LOC100134	1E+08	1648	0.496082932	0.946498054	1.153860954	1.105497431
COL15A1	1306	5273	0.155043556	0.042259185	0.560968454	0.038389695
LOC100190	1E+08	3272	0.249860841	0.612926089	0.581162241	0.618670119
NEK11	79858	2963	0.275917878	0.676845819	0.285230862	0.204956662
OR51E2	81285	2785	0.293552845	0.560082152	0.303461058	0.218056226
ZMYND10	51364	1780	0.45929476	0.375560705	0.474797217	0.11372408
TLR8-AS1	349408	1660	0.49249679	0.671182785	1.527359721	1.097505883
ANGPT2	285	5270	0.155131816	0.126849726	0.280643896	0.422527038
FOXD1	2297	2272	0.359834803	1.27501096	1.487920855	0.801874897
SIDT1	54847	5021	0.162825069	0.088760281	-	0.161265774
LOC646938	646938	481	1.699677073	3.706156919	1.757045833	1.262550081
TUBB2A	7280	1621	0.50434588	-	1.564106808	0.249758005
ARGFXP2	503640	1215	0.672876273	0.55020416	0.347793846	0.666432471
BDKRB2	624	4197	0.194792631	-	0.050341854	-
MRGPRE	116534	1296	0.630821506	-	0.163028365	0.15619511
BTBD8	284697	1465	0.558050971	0.304208443	0.28844336	0.414530095
LOC100128	1E+08	2702	0.302570197	0.412347677	0.234587078	0.449508948
CDC42BPG	55561	4945	0.165327537	0.360497771	0.384542538	0.736849248
FRMPD2	143162	5024	0.162727841	-	0.042055088	-
GPBAR1	151306	2023	0.4041249	0.220299243	0.104441306	-
C11orf70	85016	2198	0.37194935	0.506898737	0.38450366	0.184193688
MAMSTR	284358	1823	0.448461148	0.244468113	0.579497426	0.444166457
C10orf131	1E+08	1176	0.695191048	0.189483575	0.179663913	0.344266774
MORN1	79906	1641	0.498199069	0.271581578	0.38626099	-
RPSAP9	653162	1440	0.567739356	0.92846952	0.293451057	0.281151199
ANKRD34A	284615	3612	0.226341271	0.308461634	0.409466592	0.224173713
UG0898HC	643763	7056	0.115865175	0.15790298	0.239551884	0.25820008
LOC727849	727849	3296	0.248041466	0.067607004	0.384620318	0.122833048
CCDC96	257236	2168	0.377096251	1.336173848	0.194912141	0.653598727
C19orf35	374872	2570	0.318110767	0.606937274	0.575483786	0.787660945
ERBB3	2065	1050	0.778613973	-	-	1.349525753
S100A8	6279	532	1.536738106	68.69278251	15.48892048	297.9357137
SEC14L4	284904	2526	0.323651889	0.617509419	0.418220034	0.961657306
GRIK3	2899	9225	0.088622729	-	-	-
HOGA1	112817	2501	0.326887114	0.623682044	0.33792045	0.647513356
CAPN5	726	4393	0.186101678	-	0.33667046	0.506878555
ZNF799	90576	2588	0.31589825	1.980352299	0.816401705	0.938619148
FAM171A2	284069	2634	0.310381425	0.169197179	0.320857648	0.768522638
DLL4	54567	3420	0.23904815	0.260623023	0.43245419	0.118379452
HSPC072	29075	1574	0.519405764	1.41570956	1.073874264	1.414687098
GATM	2628	2602	0.314198567	0.171278005	0.162401815	0.311189643
GAPDHS	26330	1492	0.547952193	0.149351665	0.708058852	0.135676182
C1orf101	257044	3208	0.254845596	0.06946156	0.263447333	0.1893038
AIM2	9447	1485	0.550535133	0.90033408	0.142279301	32.30682863
PROS1	5627	3595	0.227411592	1.735553595	0.058771839	0.788318242
TNFRSF1B	7133	3682	0.222038205	3.147012386	0.459065207	27.10413619
C10orf128	170371	384	2.129022584	13.34674935	2.200882931	18.9777059
NME9	347736	2133	0.383283953	0.417876577	0.396220837	1.518453731
GAS1	2619	2844	0.287462965	0.391759291	0.074291407	0.0711177519
TSPO2	222642	1021	0.800729356	0.654748339	0.620817124	0.396530584
CAPN11	11131	2754	0.296857179	0.161824753	0.230157692	0.294014325
SLC7A8	23428	4237	0.192953663	0.15777627	0.299199568	8.551986422
CCDC102A	92922	2450	0.333691703	0.909521162	0.689909425	0.165248051
TMEM139	135932	2400	0.340643613	0.278540856	0.088035317	-
SLC1A1	6505	3757	0.217605715	0.059311335	0.224950505	0.053880453
ULK2	9706	9165	0.08920291	0.072940322	0.184427506	0.176697316
TDGF1P3	6998	2710	0.301677001	0.164452166	0.23389457	0.149393995
ALDH1A3	220	3510	0.23291871	0.444395668	0.421365621	-
TNXB	7148	13143	0.06220381	0.169544765	0.096455038	0.477462889
RPP21	79897	585	1.39751226	1.142731717	0.722341064	0.692064489
ADAMTS17	170691	6331	0.129133576	0.316773679	0.133492189	0.127896928
ARHGAP10	79658	3073	0.266041221	0.072513077	0.481286472	0.329366845

C1orf200	644997	1840	0.444317757	1.69546608	0.688972048	1.320188237
C2orf134	170487	2028	0.403128537	-	0.104183807	0.299450981
EGF	1950	5600	0.14599012	-	0.075458843	0.180740056
CDA	978	985	0.829994591	7.013008352	3.861041324	16.64643442
LOC100128	1E+08	1371	0.596312671	0.487598873	0.462329894	0.7382526
LINC00478	388815	3475	0.235264654	0.064124514	0.12160274	-
PRKY	5616	7240	0.112920535	0.030777995	0.029182978	0.111839151
LOC440354	440354	3874	0.211033731	0.115040106	0.327235046	0.209012765
MPL	4352	3645	0.224292091	0.672471751	0.173896923	0.333216235
RHBDL2	54933	1838	0.444801236	0.242472998	1.034582618	0.660812393
RXFP2	122042	2803	0.291667739	0.158995851	0.150756162	0.144437291
C3orf72	401089	4075	0.200624459	0.546828674	0.41479217	0.794812713
LTB	4050	894	0.914479499	1.744774936	3.545046332	1.585013468
LOC38838	388387	1844	0.443353944	0.6042101	0.80205712	0.439108163
AQPEP	206338	4630	0.176575523	0.192512039	0.228169289	0.786980461
UPK1B	7348	2060	0.396866346	0.649027237	0.102565418	0.393065753
AKAP12	9590	8450	0.096750849	0.079112196	0.050008228	0.215604706
C5orf39	389289	1280	0.638706775	1.218616245	0.825331099	3.79554118
LOC606724	606724	571	1.431777009	3.121999086	4.810336073	4.25419677
ZBTB20	26137	3779	0.216338892	0.294830226	0.111820461	0.267833902
HFM1	164045	4936	0.165628985	0.225721925	0.428048544	0.04101071
KRT18	3875	1485	0.550535133	0.30011136	0.284558601	1.090525861
ATP6V0D2	245972	2370	0.344955558	-	0.178299377	0.256239067
PCDHGB3	56102	4596	0.177881782	0.339388336	0.137914335	0.176178297
ELOVL2	54898	4079	0.200427721	0.273146218	0.103596353	0.446643728
FLJ31813	326332	2177	0.375537286	1.023576871	0.582319048	1.394778569
CLIC2	1193	2702	0.302570197	0.494817213	0.547369848	1.048854212
LOC285547	285547	2122	0.385270816	0.210021381	1.493530358	0.476976586
HCG22	285834	5670	0.144187773	0.117900891	0.223581758	0.142806958
HSPA12B	116835	3178	0.257251313	0.210351811	0.199450687	0.191090808
YJEFN3	374887	1032	0.79219445	1.511462009	0.818933184	1.569215992
MGC16703	113691	1964	0.416265108	0.567292986	0.860630393	0.618418115
SLC24A3	57419	3905	0.209358431	-	0.432849703	0.155515132
GPNMB	10457	2775	0.294610693	0.481800399	1.370495749	6.127576392
ELMOD1	55531	3006	0.271970949	0.074129303	0.492013749	0.404049627
ALOX12P2	245	2768	0.295355734	0.6440251	0.534318399	0.511922703
PRR15	222171	1717	0.476147159	-	0.246109215	-
LRRTM2	26045	5628	0.145263801	0.039593583	0.075083426	0.107904511
SMCR5	140771	2844	0.287462965	0.156703716	-	0.071177519
C1orf182	128229	764	1.070084649	0.583331635	0.829652204	-
ERVV-1	147664	2490	0.328331194	0.626437266	0.593973225	0.243890196
SHC4	399694	4556	0.179443519	0.09781944	0.092750115	0.044431269
FFAR2	2867	2069	0.395140006	13.35488299	1.02119266	105.6661054
PRKCZ	5590	2359	0.346564083	1.133527858	0.268696178	1.28716954
SEPT5-GP1	1.01E+08	4671	0.17502562	0.190822252	0.090466607	0.086674743
BNIP1	149428	2412	0.338948869	0.646695188	0.963570636	0.755331578
TRIM6	117854	3430	0.238351216	0.064965797	0.061599056	0.177051484
RNF222	643904	3067	0.26656168	0.508584543	0.413338301	0.726024614
C1QTNF6	114904	2954	0.276758521	0.905210635	0.35762485	0.479689249
SCARNA10	692148	330	2.477408097	1.35050112	-	-
IL22RA2	116379	2910	0.280943186	0.153149612	0.145212894	0.347815916
TMEM54	113452	1063	0.769091884	-	0.993813553	0.380863336
MARVELD3	91862	2239	0.365138308	0.69666315	0.660559772	0.632872729
SYNGR1	9145	4447	0.183841842	-	1.092770297	0.09104064
AMY2B	280	2215	0.36909466	0.905414972	0.190776308	0.822510053
RPL17-C18	1.01E+08	2008	0.407143761	0.110972453	-	-
CHGB	1114	2666	0.306655916	0.585082068	0.634012787	0.151859612
LOC15738	157381	3595	0.227411592	0.247936228	0.411402873	0.168925338
PDE6B	5158	3414	0.23946827	0.326351325	0.12377549	0.296468751
NUP210L	91181	5913	0.138262248	0.113055649	0.214393467	-
AGAP4	119016	2431	0.336299742	0.45831486	0.260738085	0.416348957
LOC728739	728739	622	1.314380502	0.716503809	2.038116669	0.325448333

PPP1R13B	23368	4976	0.164297563	0.089562976	0.21230382	0.162724166
C12orf39	80763	638	1.281417981	0.698535062	0.662334675	-
IFNA1	3439	876	0.933270174	0.254375211	0.24119265	2.772998123
CMA1	1215	784	1.042786572	-	-	-
RDM1	201299	1166	0.701153235	0.191108649	-	-
PVRIG	79037	1587	0.515151022	0.842467617	0.931942867	0.765326514
MS4A6A	64231	1564	0.522726772	0.569904565	0.270185117	1.164871974
UBQLNL	143630	2350	0.34789135	0.094822419	0.179816818	1.292099125
PNPLA3	80339	2805	0.291459776	1.112177393	0.828567692	0.433002915
HIST1H1D	3007	777	1.052181045	0.286785952	1.087695039	-
LIPH	200879	2478	0.329921175	-	0.08526423	0.245071263
PA2G4P4	647033	2751	0.297180906	0.243001837	0.153605788	0.220751214
SERHL2	253190	1374	0.595010678	0.162178082	0.30754696	-
PLD4	122618	1964	0.416265108	4.765261079	1.290945589	4.638135862
C1orf51	148523	1758	0.465042476	0.126753518	0.3605542	0.460588994
OSMR	9180	5556	0.147146269	0.401066747	0.152112859	0.182171403
AVPR2	554	1788	0.45723975	0.872387468	0.590841055	0.679291486
LOC100610	1.01E+08	4374	0.186910076	0.152834489	0.193218803	0.185120131
SEMA5A	9037	11825	0.06913697	0.056532605	0.089338165	0.03423744
GRIA4	2893	5621	0.145444702	0.07928578	0.037588465	0.036012963
ZNF257	113835	3534	0.231336919	0.4413777	0.418504055	0.40096266
EGR3	1960	4342	0.18828758	10.57197905	0.194642802	22.37813317
PRX	57716	5533	0.147757938	0.12082018	0.076372587	0.073171467
ASAP3	55616	4199	0.19469985	-	0.201271504	0.048208827
C5orf43	643155	2895	0.28239885	-	0.437895878	0.069923614
CBWD5	220869	1572	0.520066585	0.992257502	0.806430387	0.515086165
PCSK5	5125	9538	0.085714476	0.070087865	0.044303787	0.042446815
KCNG2	26251	1401	0.583543663	0.318105189	0.754049826	0.577955355
HMGB3P1	128872	888	0.920658415	0.752813124	0.47586658	1.139802156
ZNF547	284306	2788	0.29323697	0.399628201	0.530485412	0.871286354
UGT2B28	54490	1851	0.441677295	0.120385027	0.342438835	0.765533247
RNF43	54894	4573	0.178776443	0.633462694	0.462026594	0.531193168
TUBA3D	113457	1560	0.524067098	0.571365858	0.270877899	-
PLEKHA1	59338	3996	0.204590759	0.557639351	0.211496258	0.354605115
PURG	29942	2709	0.301788362	-	-	0.074724571
FBXO4	26272	1745	0.468506975	0.383093441	0.242160185	0.812035553
C8orf86	389649	2250	0.363353188	0.495183744	0.375617354	0.359873534
IL17RC	84818	2641	0.309558755	0.8437436	0.880019831	0.996431359
MORN4	118812	2441	0.334922029	0.182574916	0.605896489	0.082928662
BCAN	63827	3488	0.234387807	0.574969657	0.302873798	1.044644362
NNAT	4826	1338	0.611019934	0.499624854	0.157910883	0.151292125
TMPRSS11	132724	2645	0.309090613	0.50548057	0.239642451	0.382663257
FAM131A	131408	2566	0.318606653	0.17368097	0.658721002	2.051110848
UBE2Q2P3	1E+08	1223	0.668474793	0.911008523	0.69103765	0.827591427
C11orf92	399948	5499	0.148671517	0.162089605	0.115267191	0.294495527
LOC653653	653653	1160	0.70477989	1.728874278	0.910710178	4.886213933
FAM151B	167555	1707	0.478936539	2.87189166	2.104183329	2.371750005
OR7E156P	283491	2647	0.308857073	0.420915536	0.159640923	0.458848953
IL20RB	53833	2171	0.37657516	0.821124587	0.973214009	0.466211108
AGAP11	119385	3155	0.259126679	0.353142131	0.267872915	0.128322576
S100Z	170591	1164	0.702357966	2.488681187	1.452128944	9.043213809
C20orf166	253868	3610	0.226466668	0.432085538	0.234110539	0.448595818
FAM95B1	1E+08	1543	0.529841006	0.577660881	0.821586888	0.262383491
SRC	6714	4145	0.19723635	0.215037573	0.356813831	0.781390062
CXCL16	58191	2344	0.348781857	0.760521108	0.45069275	1.468127419
VWDE	221806	5583	0.146434654	0.199563572	0.037844306	0.03625808
MRPL23-A	1E+08	1904	0.429382706	0.468135892	0.443875549	0.10631768
FAM86B2	653333	1268	0.644751319	-	0.166628361	-
TRIM68	55128	3321	0.246174246	0.201294205	0.063620825	0.243816758
CHDH	55349	3711	0.220303064	0.1801396	0.284673621	0.109096666
SYNPO	11346	5397	0.151481318	0.12386475	0.430634125	0.037507664
TCF7L1	83439	2932	0.278835154	0.228000701	0.288246605	0.552329776

SIRPG	55423	1720	0.47531667	0.388661659	0.368519933	-	
SLC25A18	83733	2087	0.391731994	0.213543541	0.404954023		0.387980571
IYD	389434	7531	0.108557253	0.088766174	0.140276697		0.134397067
PBOV1	59351	2505	0.326365139	0.355820654	0.253035642		0.484859552
TNIP3	79931	2429	0.336576646	0.183476892	0.173968515		0.250015063
FLJ40852	285962	2262	0.361425585	0.689579484	0.560437033		0.805419879
LAX1	54900	3298	0.247891047	0.27026402	0.128129024		0.306896396
LOC44213	442132	2070	0.394949117	0.86118912	0.408279732		0.391166885
NYNRIN	57523	7857	0.104053032	-	0.026891277		0.025764142
P2RY11	5032	1977	0.413527907	0.33813761	0.427485607		0.204783878
GUSBP4	375513	770	1.061746327	2.604537874	1.097583176		0.262894627
SASH1	23328	7709	0.106050677	0.14452762	0.191852812		0.078776312
OLFML2B	25903	3240	0.252328603	0.06877552	0.391268077		0.437346309
SMAD7	4092	3088	0.264748922	1.010251809	0.615791079		0.721087271
ARHGEF26	26084	5181	0.157796694	0.08601918	0.122342074		0.039071388
TMEM31	203562	732	1.116864306	0.608832472	0.865921153	-	
BRSK1	84446	3109	0.262960654	0.573387417	0.271836296		0.976659036
NEGR1	257194	5669	0.144213207	0.078614459	0.111810599	-	
LOC10050	1.01E+08	1257	0.650393534	0.53182025	1.344692196		0.161041259
TCN1	6947	1577	0.518417674	-	-	-	
SLC9A5	6553	3745	0.218302983	0.238005538	0.16925348		0.162159303
ST6GALNA	10610	2105	0.388382267	0.317576273	0.401491233		0.288497192
MX1	4599	3409	0.239819499	0.392195984	0.185935548		8.61020391
TSPAN10	83882	1613	0.506847286	0.276295951	0.523954771		0.878488556
SCARNA16	677781	187	4.371896643	7.14971181	2.259730068		1.082507289
LOC64869	648691	3105	0.263299411	0.21529728	0.408279732		0.065194481
MYOZ3	91977	3831	0.21340242	0.174497012	0.165454003		0.211358771
MCF2L	23263	5406	0.151229129	0.041219513	0.23450029		0.149780883
POU5F1P4	645682	1083	0.754888894	0.411510036	0.585276347	-	
ZDHHC8P1	150244	2548	0.320857407	0.174907916	0.248765418		0.079446179
C19orf73	55150	765	1.068685846	0.291284555	0.828567692	-	
HOXC13	3229	2435	0.335747299	0.183024792	0.433849613		1.246995049
ZG16B	124220	846	0.966364861	0.263395608	0.499491162		2.153498542
KCNJ13	3769	3609	0.226529419	0.246974436	0.292719259		0.168270044
HIST2H2BE	8349	2223	0.367766384	0.400958497	0.855403892		4.553055847
PIGR	5284	4295	0.190348003	0.155645647	0.19677277		0.047131284
LY6K	54742	1994	0.410002343	-	0.317880784	-	
TSPAN13	27075	1912	0.427586126	0.349632874	0.221009165		0.105872836
LOC10012	1E+08	1718	0.475870007	0.64852353	0.614914905		0.235656418
APOBEC3A	200315	1444	0.56616667	0.462948791	0.292638174		5.607447727
LOC44070	440700	1216	0.672322921	0.366501126	0.347507831		0.166471104
C12orf71	728858	966	0.846319536	-	0.43744257		0.419107377
LOC10050	1.01E+08	2124	0.384908038	0.10491181	0.198949869		0.190610982
H1FX-AS1	339942	2211	0.369762403	0.604701994	0.860046518		0.183110686
STOX2	56977	4654	0.175664949	0.095759641	0.363188245		0.347965385
C4orf26	152816	1926	0.424478023	0.231394273	0.767909309		0.630619511
C19orf77	284422	908	0.900379595	1.227052229	0.698077405	-	
LRRC69	1E+08	1323	0.617947598	0.673719379	0.319402512		0.153007455
MYBPC3	4607	4217	0.193868786	0.317049113	0.100206195		1.536097608
FAM129C	199786	2523	0.324036731	0.17664105	0.251230394		0.240700194
CMTM8	152189	1185	0.689911116	0.18804446	0.53489813	-	
FAM18A	780776	3339	0.244847161	0.533890829	0.253111424		0.545630358
TAX1BP3	30851	1398	0.584795903	0.318787818	0.302267184		0.144798901
LOC10012	1E+08	463	1.324316424	0.962560193	0.456338577	-	
ILDR1	286676	2908	0.210852305	0.076627471	0.072656383		0.626499232
ANGPT1	284	4338	0.141345898	-	0.097411139		0.139992298
LOC73022	730227	2741	0.223698834	0.325184509	0.077083094		0.147704387
LINC00466	199899	1793	0.34197351	0.124279244	-		0.225799066
TMEM93	83460	805	0.761687583	1.107243154	1.049862168		1.005857704
LOC10029	1E+08	2244	0.27324354	0.397206212	0.470777098		0.721671526
PCDHGA11	56105	4872	0.125853552	0.045737415	0.043367151		0.083098876
POPDC2	64091	1667	0.367821538	0.668364381	0.887218554		0.607165156



NLRP8	126205	3934	0.155861338	0.226571108	0.053707362	0.257281219
FLJ13224	79857	1630	0.376170861	0.136707169	0.518490212	0.248378973
HIST2H2BC	337873	582	1.053536949	1.148622086	2.178193416	1.391263663
CELF4	56853	4070	0.150653195	0.054750045	0.207650871	0.049736821
SH2D4B	387694	3983	0.153943888	0.167837824	0.212186554	0.304939286
REP15	387849	1139	0.538330557	0.391277761	0.185500229	-
TEKT4P2	1E+08	1640	0.373877137	0.543494353	0.386496515	0.370296701
CPB2	1361	1766	0.347201871	-	0.23928059	-
SGCB	6443	4295	0.142761002	0.415055059	0.344352347	0.047131284
NFATC1	4772	4762	0.128760711	-	0.221844563	0.085018422
VSTM2L	128434	2018	0.30384465	0.11042254	0.10470008	0.100311627
CD3D	915	771	0.795276918	-	3.836558572	1.837875539
ILDR2	387597	8127	0.07544709	0.164512872	0.051995758	0.074724571
SERPINB9	5272	4159	0.147429311	0.214313715	0.152405454	0.243362422
ANKRD63	1E+08	1143	0.536446635	0.974771149	0.554553179	-
PTPRO	5800	6379	0.096121415	0.41918674	0.132487701	7.679539871
TXK	7294	2914	0.210418155	-	0.362533908	0.416806169
SLC5A4	6527	2029	0.30219739	-	-	-
CCDC120	90060	4056	0.151173201	0.164817075	0.312551422	0.199633987
INGX	27160	1228	0.499314743	0.362919682	1.204391962	0.659377404
FGF18	8817	1999	0.306732618	-	0.528476141	0.101265064
C2orf65	130951	2558	0.239702308	0.69689659	0.330390557	0.316542397
FAM153C	653316	1077	0.569320802	0.827605143	0.78471592	1.315693631
RASL10A	10633	1813	0.33820105	0.368724795	0.116538754	0.111654089
SHROOM4	57477	9571	0.064064205	0.046564138	0.110377579	0.042300462
AOC4	90586	2073	0.295783166	0.107492853	-	0.195300398
PPP4R1L	55370	2398	0.25569579	0.092924389	0.616761188	0.42207853
CARNS1	57571	3983	0.153943888	-	0.106093277	0.050823214
WWC1	23286	6753	0.090797942	0.032997584	0.062575081	0.029976138
APOM	55937	790	0.776150005	1.692400137	2.407041585	0.768717201
CALCRL	10203	5006	0.122484719	0.044513121	0.084412609	0.202186239
LOC65371	653712	1104	0.555397196	0.8073648	1.531048995	0.366718955
HRASLS5	117245	3127	0.196085227	0.213782557	0.878382442	0.712093858
ZG16	653808	1806	0.339511907	0.493538615	0.350971364	0.560434283
SLC4A3	6508	4255	0.144103056	0.261848043	0.049655643	0.237871754
PKDREJ	10343	7660	0.080046802	0.087271286	0.055165734	0.105706978
CYP2F1	1572	1826	0.335793266	0.488132935	0.809963488	0.33257754
ZNF132	7691	3048	0.201167488	0.146215672	0.207957442	-
BRWD1-IT	257357	1028	0.596457689	-	-	-
C14orf132	56967	7504	0.081710888	0.178171123	0.05631257	0.134880639
ALDH1A2	8854	3703	0.165584257	0.120352517	0.114115453	1.639985387
LOC100379	1E+08	3361	0.182433354	0.464096636	0.25145464	0.301143801
THNSL1	79896	3787	0.161911409	0.23536592	0.278960604	0.213814484
LOC100128	1E+08	3031	0.202295778	-	0.139415877	0.133572328
SNAI1	6615	1722	0.356073463	-	0.122697306	0.352663524
LOC100132	1E+08	2445	0.250780574	0.182276225	0.259245106	0.082792991
FLJ40292	643210	1761	0.34818768	0.126537584	-	0.114951086
RSPH4A	345895	2858	0.214541114	0.155936098	-	0.354144267
CCR10	2826	1244	0.492892688	0.537377857	1.18890139	0.488172499
SMC1B	27127	4266	0.143731482	-	0.198110419	0.047451679
RPL19P12	1E+08	1134	0.540704148	0.196501486	0.372636263	0.178508697
ZNF491	126069	2823	0.217201029	0.236804128	0.449064317	0.286828003
RAD9B	144715	1898	0.32305506	0.469615774	0.445278738	0.106653774
CARD10	29775	3912	0.156737859	0.341767921	0.540093971	0.517456194
ZSCAN12P	221584	3739	0.163989972	0.3575812	0.452066887	1.136936647
TEX21P	441687	1062	0.577362057	-	0.198949869	0.381221964
AKAP6	9472	10411	0.058895255	0.149825069	0.020294377	0.019443748
ARTN	9048	1961	0.312676443	0.227264339	0.646460259	0.309682095
HIST1H4E	8367	377	1.62641513	1.773204388	1.681311098	0.536946586
GIMAP1	170575	4430	0.138410498	0.553309149	0.143082231	0.959595061
FSTL1	11167	3840	0.159676694	0.174088035	0.055022073	0.527158497
C21orf67	84536	1850	0.331437029	0.843150699	0.799455854	2.735525175

LOC646329	646329	2228	0.275205792	0.40005868	0.094831581	0.726854086
MSTN	2660	2823	0.217201029	0.394673547	0.224532159	0.501949005
LOC645752	645752	3117	0.19671431	0.071489472	0.067784652	0.45460444
NCCRP1	342897	1973	0.310774711	0.903528372	0.321264209	0.4103981
PRND	23627	4047	0.151509391	0.055061202	0.104415499	0.300116921
ASZ1	136991	3000	0.204386168	-	0.070428254	-
APOE	348	1223	0.501356095	0.546605114	0.172759412	0.827591427
CD79A	973	1258	0.487407396	11.51361249	2.351340746	31.86082263
FAM154B	283726	3146	0.194900987	0.070830478	0.201479429	-
FCGR2C	9103	1510	0.406065235	0.737856572	1.39923683	18.0979447
LILRA5	353514	1365	0.449200369	5.387163807	0.464362113	45.23135766
POM121L4	266697	2167	0.282952701	0.616980207	0.487505218	0.467071673
PCDHGA4	56111	4602	0.133237398	-	0.137734525	0.131961449
SEZ6	124925	4250	0.144272589	0.10486244	0.049714061	0.285781924
HOXB8	3218	1834	0.334328519	-	0.460817364	-
SLC30A8	169026	5561	0.110260475	0.080141228	0.113982069	0.182007609
IL5RA	3568	2415	0.253895861	-	2.974609477	0.670571803
C9orf131	138724	3406	0.180023049	0.130847143	0.124066213	0.118866038
QRICH2	84074	5411	0.11331704	0.370632815	0.234283602	0.523748675
LY9	4063	2486	0.246644611	-	0.339959391	-
KCNK2	3776	3597	0.17046386	0.247798371	0.058739161	0.056277137
HLA-DOA	3111	3485	0.175942182	0.127881024	0.060626904	0.174257271
DNAJA4	55466	3203	0.191432565	0.069569992	0.131929292	0.12639954
LOC643201	643201	4307	0.142363247	0.155211993	0.147168397	-
LOC100501	1.01E+08	2048	0.299393801	0.435220087	0.825331099	0.395368873
TAF7L	54457	2371	0.258607551	0.281947724	0.267336265	0.170753997
PROC	5624	1790	0.34254665	-	0.590180898	0.226177501
TIGD3	220359	1980	0.309676012	-	0.640256853	0.511183997
MAPK8IP1	9479	3234	0.189597558	-	0.195996996	0.250375835
LOC100501	1.01E+08	702	0.873445163	2.539403815	2.407803548	0.865080611
HIST2H3D	653604	457	1.34170351	-	-	0.88590312
ANKRD36B	645784	1753	0.349776671	-	0.241055061	0.115475678
MS4A4A	51338	1619	0.378726686	0.825816003	-	11.0029277
VWA2	340706	2946	0.208132554	-	-	-
VASH2	79805	4337	0.141378488	0.051379452	0.0487168	0.186699436
FRMD6	122786	5050	0.121417526	0.132375852	0.083677133	0.320679387
H3F3C	440093	1071	0.572510275	0.416120793	1.183668131	1.323064464
SERPINA10	51156	2467	0.248544185	0.451626844	0.256933232	0.328218667
C12orf59	120939	2800	0.21898518	0.079583102	0.603670747	1.951992607
SCARNA17	677769	421	1.456433501	0.529293788	1.505592124	0.961657306
SCARF1	8578	3864	0.158684913	0.692026971	0.164040964	2.095536884
SEPP1	6414	2252	0.27227287	0.395795177	0.46910471	0.539330896
STXBPL	9515	9382	0.065354776	0.047502171	0.090080904	0.043152603
PLXDC1	57125	6271	0.097776831	0.177669179	0.101077067	0.161400784
TGFB2	7042	5966	0.102775478	-	0.070829622	-
SLAMF8	56833	3316	0.184909078	0.739191656	-	4.029042508
MIAT	440823	10193	0.060154862	0.065584034	-	0.059578788
PRR19	284338	1532	0.400234011	0.145452144	0.689571675	0.132133723
DCDC2	51473	4708	0.130237575	0.047330647	0.044877817	0.042996785
CBLN3	643866	2360	0.259812925	0.094420629	0.447637206	0.42887471
MARCO	8685	1853	0.330900434	0.481020366	0.456092307	2.73109637
AKR1D1	6718	2710	0.226257751	0.164452166	0.155929713	0.29878799
ANKRD30B	554226	1437	0.426693461	-	0.147031845	0.140869077
SARDH	1757	3398	0.180446882	0.1967328	0.746149834	0.119145888
EHD2	30846	3601	0.170274508	0.247523116	0.117347826	0.168643874
SLFN1	200172	2133	0.287462965	-	0.297165628	0.094903358
ANKRD6	22881	5207	0.117756578	0.256768986	0.081154124	0.077752588
C12orf70	341346	1272	0.482042849	0.350365857	0.166104372	1.273137503
C11orf96	387763	1361	0.450520576	0.163727175	0.46572688	-
PCP4L1	654790	1480	0.414296287	0.752813124	0.142759974	0.957433811
TNRC6C	57690	9794	0.062605524	0.682558765	0.08629151	0.516716518
C7orf58	79974	5339	0.114845197	0.041736783	0.237443073	0.075830254

C8orf77	286103	3250	0.188664155	0.137127806	0.130021392	0.560572236
IL37	27178	787	0.779108646	0.283141912	0.536937132	0.257215836
PTCD1	26024	5505	0.111382108	0.08095647	0.03838052	0.073543638
TES	26136	2799	0.219063417	0.238834603	0.377429013	0.361609259
DSCR6	53820	2260	0.271309073	0.295795599	0.186977665	0.26871088
CCDC80	151887	4578	0.13393589	-	0.046152198	-
C11orf71	54494	680	0.901703683	1.966170748	-	2.381516035
KIRREL2	84063	2993	0.204864184	0.223353844	0.211778912	-
LOC10013	1E+08	2069	0.296355004	0.430802677	0.714834862	0.489194932
FST	10468	2098	0.292258582	-	0.402830813	0.096486589
EPHA10	284656	2082	0.294504565	0.64216912	0.608889802	0.583368481
COL6A4P2	646300	9161	0.066931394	0.097296227	0.069190512	0.022096809
WDR88	126248	1724	0.355660385	0.387759892	0.245109932	0.58709067
AKR7A3	22977	1301	0.471297851	0.513834016	0.32480363	0.466784465
ROCK1P1	727758	2479	0.247341067	-	0.17045967	0.081657468
SLC13A4	26266	2908	0.210852305	0.229882412	0.50859468	0.348055129
DDX43	55510	2707	0.226508498	0.740854881	0.234153781	0.224339338
SLC16A12	387700	4622	0.132660862	-	0.091425686	0.087593623
CHAC1	79094	1578	0.388566859	-	-	0.384845747
LPP-AS2	339929	2897	0.211652918	0.846102704	0.291729046	0.559002728
GGN	199720	2168	0.282822188	0.205565207	0.097456071	0.28011374
GVINP1	387751	8741	0.070147409	0.331406578	0.096686769	1.320037203
TMCC3	57458	5867	0.104509716	0.303845488	0.144049607	2.691230835
FAM20A	54757	4285	0.143094167	0.104005921	-	0.1889651
SULT1A2	6799	1348	0.454865359	0.165306146	0.783697186	0.15016978
CDHR5	53841	3489	0.175740471	0.127734414	0.121114796	0.058019164
DBIL5P	1E+08	2677	0.229046882	0.416198515	0.31570379	0.151235609
FLNC	2318	9149	0.067019183	0.024355961	0.092375019	0.022125791
C21orf96	80215	1502	0.408228032	0.741786567	0.562675796	0.539091513
MBLAC1	255374	1518	0.403925233	0.4403808	0.139186272	0.133352347
CKMT2	1160	1650	0.371611215	0.270100224	-	-
ABCC6	368	5125	0.119640684	0.173918193	0.16490518	0.276488203
ECM2	1842	3307	0.185412308	0.404292745	0.447231125	0.244848942
TTC39B	158219	3276	0.187166821	0.068019745	0.128989476	0.370748833
FOXF2	2295	2187	0.280365114	-	-	-
TEX15	56154	10155	0.060379961	0.043886299	0.041611967	0.019933911
SPATA9	83890	1243	0.493289223	2.151240722	0.849898477	2.76853634
PNMT	5409	1177	0.520950301	-	1.615601404	0.171987139
TMEM178	130733	1703	0.360046098	0.261694286	0.124066213	0.118866038
NCR3	259197	1109	0.552893151	0.803724742	1.14310962	0.547598367
DNM3	26052	7659	0.080057253	0.145471135	0.137932342	0.132150975
C19orf71	1E+08	671	0.913798069	2.324633075	1.259521677	5.430282464
MAP1LC3C	440738	1192	0.514394718	0.560820515	0.53175695	0.169822872
PIP5KL1	138429	1575	0.389306987	0.707405348	0.402447164	0.385578787
RNFT2	84900	2914	0.210418155	0.382348464	0.217520345	-
KIAA0040	9674	4721	0.129878946	-	0.089508478	0.171513546
SIGLEC14	1E+08	2113	0.290183864	0.632747803	1.09992067	12.16680814
LTBP3	4054	4721	0.129878946	0.188801258	0.313279672	0.600297412
CIB3	117286	661	0.927622548	-	-	0.306246389
CNKSRI1	10256	2564	0.239141382	0.434541117	0.494426119	0.157900829
KANK4	163782	5477	0.111951525	0.122055515	0.19288366	0.36959807
ROM1	6094	1894	0.323737331	0.470607571	0.223109568	0.320637059
STAP2	55620	1557	0.393807646	0.143116689	0.678499555	0.52004846
SPTA1	6708	8017	0.076482288	0.083385064	0.079063775	0.100999807
LOC10013	1E+08	1613	0.380135464	0.138147976	0.392966078	0.125498365
LRR2	79442	5108	0.120038861	0.261745518	0.289544505	0.356667926
GP2	2813	2448	0.250473245	0.455132118	0.258927404	0.413457645
CYP3A4	1576	2792	0.219612645	-	0.151350116	-
BCRP3	644165	1428	0.429382706	0.468135892	0.591834065	0.42527072
ZNF658	26149	4025	0.152337517	0.055362158	0.104986217	0.10058577
UBE2Q2P2	1E+08	1610	0.380843791	0.276810788	0.131232771	0.377196639
HR	55806	5528	0.110918687	-	0.038220832	0.036618825

TMEM185	79134	5938	0.103260105	0.112579666	0.106745417	0.170452057
FAM46B	115572	2391	0.256444376	0.65237507	0.618566846	0.677302762
PPARGC1A	10891	6318	0.097049463	-	0.033441716	0.032040023
FAM53A	152877	2807	0.218439082	0.31753856	0.376353333	0.288462933
IL23A	51561	1049	0.584517163	0.424847826	0.805661626	2.894597659
GFRA3	2676	1980	0.309676012	-	0.106709475	0.204473599
LOC400450	400456	1445	0.424331145	0.15420947	-	-
MRS2P2	729633	2692	0.227770618	0.579431201	0.470917002	0.225589372
FUT9	10690	12815	0.047846938	0.017388426	0.065949204	0.047388731
LINC00167	440072	2863	0.214166435	0.155663769	0.442790279	0.212115469
MYEOV	26579	2305	0.266012366	2.223493167	0.183327342	16.68611018
FAM59A	64762	7051	0.086960503	0.03160299	-	-
ALPP	250	2883	0.212680716	-	0.219859273	0.210643978
SEMA6A	57556	6860	0.089381706	0.259863189	0.153997639	0.206560064
SEC14L2	23541	4303	0.142495585	0.10357085	0.147305202	0.470436586
PLA2G2D	26279	2747	0.223210231	0.324474241	-	0.073690886
LEAP2	116842	707	0.86726804	1.260722403	1.793081426	0.286320881
KCNMB4	27345	1631	0.375940223	-	0.388629236	-
TDRKH	11022	2854	0.214841802	0.468463948	0.074031101	0.354640615
PIP5K1B	8395	2654	0.23103184	-	0.159219865	0.152546242
LOC148709	148709	2321	0.264178589	0.192014377	1.09238136	0.348864908
UGT2A3	79799	3069	0.199790976	0.435645522	0.619603406	1.121306833
GRM6	2916	6143	0.099814179	0.217645468	0.103183182	0.230669386
TSPAN11	441631	5562	0.110240652	0.120190229	0.037987192	0.036394977
NCRUPAR	1E+08	924	0.663591455	0.482321828	0.685989485	0.438157712
ATP1A4	480	3912	0.156737859	-	0.108018794	-
C1QL3	389941	2493	0.245952067	0.268150042	-	-
ADAMTS5	11096	9663	0.063454259	-	-	-
SLCO5A1	81796	3806	0.161103128	4.039793812	0.277568	5.584611301
WDR96	80217	5365	0.114288631	-	0.118146185	-
LOC400550	400550	3099	0.197856891	0.071904706	0.204535103	0.130641409
RND2	8153	4169	0.147075679	0.21379965	0.050679962	0.242778679
LMOD1	25802	3967	0.154564786	0.056171587	0.10652118	0.102056397
SLCO1A2	6579	7695	0.079682717	0.086874341	0.054914818	0.10522618
HIST1H3H	8357	473	1.296318191	-	0.446690827	0.855935996
TNNI1	7135	6162	0.099506411	0.108487188	0.102865025	0.098553487
LOC158435	158435	2464	0.248846796	-	-	0.164309142
NPEPL1	79716	2217	0.276571269	0.402043635	0.857718923	-
FGB	2244	3628	0.169007305	0.368521529	0.407660785	0.44637015
LOC283688	283688	2922	0.209842062	0.07626033	-	0.277110011
GTF2H2C	728340	2106	0.291148388	0.423233969	-	0.288360204
ADCY1	107	12499	0.049056605	0.053484123	0.016904133	0.016195605
LINC00173	1E+08	1597	0.38394396	0.139532051	0.13230104	-
AMDHD1	144193	2143	0.28612156	-	0.492964912	0.377842021
SEMA3A	10371	5672	0.108102698	0.117859318	-	0.142756603
PEX5L	51555	3577	0.171416971	-	0.118135175	-
ZNF486	90649	1522	0.402863669	-	0.138820474	0.133001881
GHR	2690	4777	0.128356396	0.139940978	0.176918368	0.12712719
TSPAN12	23554	2579	0.237750486	-	0.573475506	0.156982445
LOC100197	1E+08	626	0.979486428	0.355962755	0.337515593	0.646737581
RTEL1-TNF	1.01E+08	5772	0.106229817	0.115817404	0.109815365	0.070141671
LZTS1	11178	5459	0.112320664	0.163277292	0.193519657	0.037081675
PPT2-EGFL	1.01E+08	2728	0.224764848	0.163367071	0.154900851	-
NPHS1	4868	5024	0.122045881	0.177414558	0.168220351	0.201461846
C16orf89	146556	1898	0.32305506	0.35221183	0.222639369	0.106653774
FAM90A25	389633	2042	0.300273508	-	-	0.099132646
NRSN2	80023	2402	0.255269985	0.185539288	0.527772093	0.08427513
TAS2R19	259294	900	0.681287227	0.495183744	-	0.674762877
LOC100507	1.01E+08	1256	0.488183522	-	-	0.322338954
LINC00221	338005	1743	0.351783422	0.6392217	0.121219025	0.348414566
MFAP5	8076	2900	0.211433967	0.461033141	0.291427257	0.209409169
LINC00202	387644	3650	0.167988631	0.122100101	0.115772472	0.22183985

CLDN16	10686	3290	0.186370366	0.270921197	0.256881169	0.246114119
KIAA1671	85379	10517	0.058301655	0.084751425	-	0.057743329
LOC44090	440905	4525	0.135504642	-	-	-
LRRC4	64101	3723	0.164694737	-	-	0.108745024
FLJ42709	441094	3380	0.181407841	0.13185366	-	-
PRINS	1E+08	2199	0.278835154	1.013336447	0.288246605	0.460274813
CCR2	729230	2689	0.228024732	0.082868235	0.235721192	0.376401753
ANKS4B	257629	2906	0.210997421	0.306720832	0.508944711	0.48761254
TLR7	51284	4992	0.122828226	0.089275915	0.380922046	0.243303922
WDR17	116966	7529	0.081439568	0.177579507	0.028062792	0.080659661
GSTA4	2941	1352	0.453519604	0.164817075	0.156275711	-
HYDIN	54768	15729	0.038982676	-	-	-
ZMAT1	84460	3489	0.175740471	-	0.181672194	0.058019164
CCDC140	151278	1699	0.360893763	1.0492416	0.248716611	3.455230739
SELL	6402	2442	0.251088659	52.01254312	0.259563589	146.1433601
NOS1AP	9722	5559	0.110300145	0.200425153	0.076015385	-
HLA-DMA	3108	1122	0.54648708	4.170665222	1.318175873	5.953790087
STEAP4	79689	4587	0.133673099	0.097158354	0.046061644	0.044130993
TRPM1	4308	5428	0.112962142	0.082104895	0.116774923	0.223760718
FLJ42969	441374	1948	0.314763092	0.22878099	-	0.207832508
RPL18AP3	390354	616	0.995387182	-	0.342994742	-
SIAE	54414	3038	0.201829659	0.146696962	0.139094642	0.333161394
TRIM61	391712	1607	0.381554763	0.554655096	0.525911043	-
AMN	81693	1574	0.389554323	0.141570956	0.536937132	0.128607918
GRHL1	29841	3610	0.169850001	0.061726505	0.292638174	0.728968205
SLFN14	342618	2882	0.212754512	0.154637533	0.146623707	0.28095609
LOC14457	144571	2187	0.280365114	0.101889659	0.096609402	0.185120131
KCP	375616	2774	0.221037673	0.321316056	-	-
PLCL1	5334	6608	0.092790331	0.20232992	0.159870431	-
LCN10	414332	2047	0.299540061	-	0.516083931	-
CDK15	65061	1534	0.399712193	0.145262506	0.413203575	0.395884347
GPR56	9289	4058	0.151098695	0.384383636	0.10413246	0.997677984
NPM2	10361	1118	0.548442311	1.395195701	0.566953742	2.534887372
OSCP1	127700	1505	0.407414288	0.444184754	0.421165637	0.403512684
HTR3B	9177	1847	0.331975368	0.482582966	0.114393482	0.109598735
SLC23A3	151295	2418	0.253580854	0.276467351	0.262139902	-
NRXN2	9379	6639	0.092357057	0.234949359	0.095474361	0.213436066
MYO5B	4645	9520	0.064407406	0.046813589	0.08877511	-
MAGI2-AS3	1.01E+08	8509	0.072059996	0.130939408	0.148984436	0.166529797
STK33	65975	2707	0.226508498	0.082317209	-	0.373898897
TERC	7012	451	1.359553224	-	1.873922495	0.448844485
MUC1	4582	1853	0.330900434	0.601275458	0.684138461	3.168071789
PNMAL1	55228	3708	0.165360977	0.120190229	-	0.054592466
LDHAL6A	160287	2583	0.237382309	0.431344725	0.572587429	0.548587704
CD300LG	146894	2799	0.219063417	0.955338413	0.377429013	0.144643703
LRRC48	83450	2157	0.28426449	0.206613523	-	-
LOC10050	1.01E+08	4827	0.127026829	0.046163805	0.131314333	0.167747141
CCDC141	285025	9127	0.067180728	0.170902684	-	0.088716495
WBP1	23559	1237	0.495681895	0.540418799	0.341608345	0.654579993
LEKR1	389170	2572	0.238397552	-	0.164296082	0.157409691
FBN3	84467	8967	0.068379447	0.024850305	0.094249921	0.02257487
LOC44097	440970	7319	0.083776268	0.060891566	0.057735964	0.027657995
COL8A2	1296	4447	0.137881382	0.200434167	0.142535256	0.31864224
FKBP9L	360132	2561	0.239421517	0.087010029	0.082500883	0.079042898
VTN	7448	1678	0.365410312	-	-	0.361910959
LOC10028	1E+08	3510	0.174689033	0.190455286	0.060195089	0.115344081
MDH1B	130752	2332	0.262932463	-	0.090602385	-
AEBP1	165	4125	0.148644486	-	-	-
LOC10050	1.01E+08	2129	0.288003055	0.104665423	0.198482632	0.380326657
SOCS3	9021	2746	0.223291516	0.811481008	0.692484651	6.266006319
FAM66C	440078	3266	0.187739897	0.068228011	0.064692211	0.247922674
HEATR4	399671	3551	0.172672065	-	0.178500221	0.057006157

C17orf66	256957	1969	0.311406046	0.22634097	0.214611236	0.102807955
LINC00256	286333	5802	0.105680542	-	-	0.244226481
DCDC2B	149069	1367	0.448543163	0.652034191	0.154560908	0.444247688
PHLDB3	653583	2505	0.244773854	0.088955164	-	-
FLJ33065	440952	2125	0.288545178	0.20972488	0.298284369	1.238388338
SRCRB4D	136853	2806	0.218516929	0.238238793	0.150594983	-
MFSD4	148808	4114	0.149041931	0.379151384	0.359502511	0.590458521
RASGRP1	10125	5048	0.121465631	0.132428299	0.292986	0.040100805
NID2	22795	5063	0.121105768	0.132035958	0.250386839	0.399819994
RFPL3-AS1	10737	1357	0.451848566	0.492629369	0.155699898	0.298347624
RNASE4	6038	1805	0.339700002	0.864171077	-	2.579425955
CYP2D7P1	1564	1680	0.3649753	0.265277006	0.125764739	0.240986742
CASC2	255082	3284	0.186710872	0.135708091	0.193012876	-
LRRC46	90506	1938	0.316387257	0.114980745	0.436088259	0.417809831
GPX8	493869	3750	0.163508934	0.297110246	0.281713015	0.323886181
ASPHD2	57168	3313	0.185076518	0.739861012	0.25509781	2.016345451
RPS2P32	256355	1041	0.58900913	2.140563734	0.81185307	3.111298566
MPPED2	744	5693	0.107703935	0.078283044	0.148452318	0.035557503
MTMR8	55613	2675	0.229218132	0.999623259	0.789849575	0.60539473
C14orf55	317760	3059	0.200444101	0.364224722	0.207209638	0.198524547
HTR2B	3357	2240	0.273731475	0.994788771	0.943235542	1.084440337
UCN	7349	615	0.997005698	2.536306981	1.030657372	1.974915736
CAMSAP3	57662	4201	0.145955369	0.212171088	0.100587842	1.060089261
TNFSF9	8744	1680	0.3649753	3.979155085	0.503058956	11.5673636
C14orf128	84837	1281	0.478656131	-	0.164937362	0.158024093
AKR1CL1	340811	2182	0.281007564	0.102123137	-	0.092772165
NDRG4	65009	3581	0.171225497	-	0.118003218	-
DLX6-AS1	285987	1990	0.308119851	2.127548246	0.318519741	1.932737888
CYP3A7	1551	2095	0.29267709	0.10636405	-	0.096624756
IL17B	27190	711	0.862388895	0.313407433	-	-
PCDHB4	56131	3621	0.169334025	0.061538991	0.175049512	0.167712397
RGPD4	285190	7172	0.085493378	0.062139622	-	-
SHE	126669	6186	0.099120353	0.108066287	0.034155312	0.229065962
CEACAM6	4680	2631	0.233051503	3.049021912	-	0.076939895
PLCE1	51196	7992	0.076721535	0.167291805	0.052874064	0.101315747
TMEM215	401498	5399	0.113568902	0.041272955	0.039134055	0.03749377
CCRL2	9034	1745	0.351380232	6.129495053	1.695121295	47.44607733
GPX3	2878	1779	0.344664702	0.125257271	0.35629808	0.341364018
S100A16	140576	1085	0.565123045	-	0.389464998	0.186570381
LOC28373	283731	2566	0.23895499	0.086840485	0.16468025	0.236666636
CXorf41	139212	1953	0.313957247	0.228195274	0.216369443	0.103650211
FLJ30838	400955	4313	0.142165199	0.154996071	0.146963664	0.093869169
BCL6	604	3662	0.16743815	5.050549654	1.500110266	13.10093952
ATP13A4	84239	4281	0.143227868	0.156154649	-	0.094570831
EME2	197342	1335	0.45929476	1.836074556	1.740923127	1.213056857
RARG	5916	2992	0.204932655	0.670285482	0.211849694	1.014850583
C16orf86	388284	1287	0.476424634	1.038847015	1.31334739	0.629149535
CEACAM1	634	3528	0.173797762	4.610767003	0.119775942	27.31183072
ANKRD24	170961	4041	0.151734349	0.330857735	0.104570533	0.551031302
SLC5A10	125206	2139	0.286656617	0.416704413	0.098777355	0.189274299
GRAP	10750	2089	0.293517714	1.066695475	0.910274223	5.038918561
LOC14869	148696	4241	0.144578756	0.052542486	-	0.047731399
CDH6	1004	8571	0.071538736	0.051996893	0.098604486	-
SLC22A1	6580	1921	0.319187144	0.463993097	0.439947447	0.632260894
GPR137C	283554	3908	0.156898287	0.114039245	0.216258712	0.207194333
LINC00485	283432	3719	0.164871875	0.179752098	0.170436753	0.217723972
TNR	7143	5190	0.118142294	0.686960107	0.447809706	0.078007269
RARB	5915	3142	0.19514911	2.836826031	0.067245309	1.352961847
LOC28400	284009	576	1.064511292	1.1605869	0.733627644	-
STEAP2	261729	6932	0.088453333	0.128582045	0.274316626	0.116808346
SULT2B1	6820	1281	0.478656131	1.739521348	-	1.10616865
TLE6	79816	2033	0.301602806	1.424901575	0.415710303	0.497857508

EREG	2069	4628	0.132488873	0.096297617	0.228267893	0.087480062
KIAA1324L	222223	6613	0.092720173	0.134784627	0.031949911	0.061221492
LOH12CR2	503693	1538	0.398672629	0.434654131	0.824257847	0.394854739
TAS2R45	259291	900	0.681287227	0.247591872	0.704282538	0.224920959
LOC100129	1E+08	2017	0.303995292	0.552386427	0.419007955	-
CD28	940	3807	0.16106081	-	-	0.106345607
HIST1H2AI	8329	469	1.307374209	-	0.450500557	-
FAS-AS1	1E+08	1554	0.394567892	0.286785952	0.13596188	0.130263104
C6orf164	63914	1558	0.393554881	0.572099319	0.813676873	0.649643334
RAB30	27314	1619	0.378726686	0.412908001	0.13050325	0.500133077
C12orf60	144608	1139	0.538330557	0.391277761	0.927501147	0.355450154
LPIN3	64900	4464	0.137356296	0.349424013	0.141992447	0.045346968
ZNF843	283933	2013	0.304599356	0.110696813	0.20992028	0.201121573
MGC23284	197187	2447	0.250575604	2.094463322	0.604410842	0.661802576
TAS2R4	50832	900	0.681287227	0.495183744	0.469521692	-
DOK2	9046	1870	0.327892248	1.906589816	1.016878531	3.78877551
KLK14	43847	1133	0.541181381	-	-	-
SAMD4A	23034	6532	0.093869949	-	0.032346106	0.37188401
ARSD	414	5159	0.118852201	-	0.163818384	0.274666028
FAM179A	165186	3564	0.172042229	6.252319998	0.414981293	18.28902746
MRGPRF	116535	2319	0.264406427	-	0.182220579	-
A1BG-AS1	503538	2175	0.281911956	0.819614473	0.679996933	0.744565933
ZDHHC15	158866	6057	0.101231386	0.367892826	0.244179186	0.200523886
P2RX5	5026	2341	0.261921616	1.522991438	0.902540629	2.075306583
PIP5K1P1	206426	4243	0.144510607	0.105035439	-	0.0477089
STK32B	55351	3224	0.19018564	-	-	-
TMEM72	643236	1085	0.565123045	3.491387687	0.778929996	2.611985328
GPR34	2857	1938	0.316387257	4.139306837	1.962397164	26.42647179
C6orf27	80737	2914	0.210418155	0.152939386	0.072506782	1.319886203
C14orf82	145438	2246	0.273000224	0.297639383	-	0.090128612
ITGB1BP2	26548	1235	0.496484619	0.721725295	0.855403892	0.16391001
MGAT3	4248	5102	0.120180028	-	0.207060723	0.079352749
DLK2	65989	1574	0.389554323	0.283141912	-	0.257215836
KIAA1210	57481	7838	0.078228949	0.085289366	0.026956464	0.129132982
CIITA	4261	4654	0.131748712	0.095759641	-	0.13048702
C2	717	2867	0.213867633	0.233169883	0.368477086	8.543387659
FLJ43879	401039	3489	0.175740471	0.191601621	0.060557398	0.058019164
PRDM12	59335	2492	0.246050764	0.178838431	0.254355652	0.081231486
CLEC4A	50856	1284	0.477537776	1.041274228	0.822759974	2.995442676
CCDC64	92558	3081	0.199012822	0.506273545	0.274306733	1.445451147
LINC00470	56651	2231	0.274835726	0.399520726	0.568224369	0.181469173
HIST1H3G	8355	467	1.312973242	0.477157783	0.452429896	-
FBXL8	55336	1618	0.378960757	0.550884264	0.914087348	0.250221091
TTY15	64595	5262	0.116525751	0.254085159	0.120458815	0.076939895
ANKRD30B	149992	3438	0.178347442	0.388887757	0.430190032	0.294399161
RP1L1	94137	7978	0.076856167	0.055861791	0.026483425	0.202987077
TTLL13	440307	1793	0.34197351	0.497116977	0.353516054	0.338698599
ADAMTS10	81794	4237	0.144715248	0.420736719	1.146931676	1.481070274
ID1	3397	1234	0.496886956	12.27927274	0.342438835	10.82682735
LDLRAD2	401944	4012	0.152831133	-	0.105326401	0.100911696
GDPD3	79153	1115	0.549917941	1.199099649	0.378986119	0.363101099
SBK1	388228	5010	0.122386927	0.133432745	0.126517821	0.080809925
NAALADL2	254827	4912	0.124828686	0.181459841	0.043013999	0.082422175
HPCA	3208	1440	0.425804517	0.15474492	0.146725529	-
RNY4	6086	96	6.387067751	9.284695198	-	10.54316995
BAI2	576	5434	0.112837413	-	0.07776399	-
LOC100133	1E+08	1525	0.40207115	0.146119793	0.415642153	0.132740238
PLAC8L1	153770	725	0.845735868	1.229421709	2.331418056	0.279212225
DYNC111	1780	3061	0.13354209	-	-	-
RERP3	646396	804	0.508423304	-	-	-
ABCA12	26154	9112	0.04486088	0.04890972	0.069562586	0.044431269
NRL	4901	1974	0.207078184	0.564419161	0.321101461	0.922927947

KCNH6	81033	3421	0.119489137	0.45595697	-	0.118344848
ASIP	434	584	0.69995263	-	-	0.693249531
LOC10050	1.01E+08	1143	0.35763109	-	-	-
C19orf80	55908	888	0.460329207	-	-	-
GPD2	2820	6046	0.067610376	0.036856216	-	-
GMPR	2766	1515	0.269816723	-	0.278923777	11.62462777
FAM111B	374393	3574	0.114373905	0.124696522	0.059117169	0.169917904
LOC100129	1E+08	1698	0.240737536	0.131232441	-	-
TTLL6	284076	3454	0.118347521	0.516115078	-	0.70328499
TMC1	117531	3201	0.127701448	-	0.066005861	-
TXNDC2	84203	2175	0.187941304	0.102451809	0.097142419	0.279212225
LRRIQ3	127255	2865	0.142677953	0.233332654	0.073746863	0.070655799
HLA-A	3105	1574	0.259702882	3.5392739	0.402702849	10.54584928
COL16A1	1307	5584	0.073204215	0.079811134	0.037837529	0.036251587
TNFSF4	7292	3493	0.117026148	0.255176278	0.423416355	0.811338128
PLAC9	219348	691	0.591566333	0.644957119	0.305766659	0.878851793
CRYBB1	1414	921	0.443835327	0.241946455	0.229407993	0.439584936
TRIM17	51127	2085	0.196053878	0.106874189	-	0.679617286
TINAGL1	64129	2252	0.181515247	0.098948794	0.093820942	-
C9orf169	375791	757	0.539989876	0.588725719	-	-
LOC284100	284100	2455	0.166506043	-	-	-
AKNAD1	254268	3066	0.133324311	-	-	-
RAET1K	646024	1891	0.216167285	0.353515629	0.446927047	0.107048579
NINL	22981	4979	0.082099284	0.044754506	-	-
CUEDC1	404093	2193	0.186398694	0.101610891	-	3.046125161
PCDH9	5101	6234	0.065571437	0.142978944	-	0.032471746
ALG1L	200810	944	0.433021542	0.236051573	-	0.42887471
NOX5	79400	3015	0.135579548	-	-	0.134281169
MYO1H	283446	4276	0.095596898	0.052112415	0.049411778	0.094681414
SLC16A11	162515	1803	0.226717879	0.123589953	-	0.112273357
LOC401021	401022	3819	0.107036485	-	0.05532463	-
CLEC10A	10462	1788	0.228619875	-	0.118168211	-
ZNF596	169270	2890	0.141443715	0.539733146	0.219326742	0.280178357
POU2F3	25833	2965	0.137865881	0.075154362	0.142519232	0.136545607
LIPN	643418	1197	0.341497357	1.116955813	-	0.507340509
NPC1L1	29881	5066	0.080689368	-	-	-
SYT3	84258	2928	0.139608038	-	-	-
CRYGS	1427	843	0.484901941	1.321664797	1.754440486	0.240129138
TOP1P1	7151	2431	0.168149871	0.274988916	0.086912695	0.666158331
KCNAB3	9196	1608	0.254211652	0.970042782	0.262791992	0.881220175
FLJ43390	646113	6636	0.061599207	0.167896839	0.159195872	0.122018603
LOC151534	151534	2449	0.16691398	0.090989255	0.086273892	0.165315527
DGCR9	25787	2434	0.16794262	0.549299962	0.086805572	0.748504423
CCDC36	339834	2994	0.136530506	0.074426414	0.211708178	0.270446043
ACVRL1	94	4263	0.09588842	0.209085325	-	0.284910433
IL2RB	3560	4045	0.101056202	0.055088426	0.57456919	0.150132655
CEP70	80321	2678	0.152640902	0.08320862	-	-
VNN2	8875	2034	0.200969683	-	0.311629442	0.398090193
DIRC3	729582	3906	0.104652416	0.057048818	0.054092361	-
TBX4	9496	2470	0.165494873	-	-	-
CD274	29126	3691	0.110748398	0.664090905	-	41.95558931
C9orf84	158401	4637	0.088154483	0.240276779	0.318954783	0.261930813
PMEL	6490	2195	0.186228855	0.101518307	0.096257294	-
LINC00482	284185	2970	0.137633783	0.07502784	0.213418951	0.408947198
PP2D1	151649	1617	0.252796745	0.551224947	0.522658655	0.250375835
SMTNL1	219537	1649	0.247891047	-	0.128129024	3.314481079
MYH15	22989	7074	0.057785176	0.157501191	0.029867792	0.14307949
HOX A3	3200	3396	0.120368768	0.590545984	0.062215772	1.549808727
CYTH4	27128	3138	0.130265244	7.314138473	3.905199541	28.38390685
ZNF322P1	387328	2374	0.172187168	0.28159143	0.622996348	0.170538216
ATO H8	84913	5873	0.069601964	0.227651304	0.071951221	0.792757338
LOC100499	1E+08	1156	0.353609287	-	0.36554457	-



TUBB1	81027	3496	0.116925725	0.446175284	0.181308434	0.289514964
GNAZ	2781	3225	0.126751112	-	0.131029309	-
HNRNPA1F	664709	1354	0.301899805	0.164573622	0.312089751	-
IL10	3586	1629	0.250934522	0.410373268	0.778212749	2.609580185
C3orf20	84077	3349	0.122058028	0.066537081	0.126177821	0.181333708
DZIP1	22873	7514	0.054401429	0.059311335	0.196831691	0.107760907
ZCWPW2	152098	1752	0.233317543	1.017500844	0.602981625	0.577707942
GALNT8	26290	2135	0.191462452	0.104371281	-	0.284443367
CASKIN2	57513	5005	0.081672794	0.044522015	0.126644213	0.040445327
CDH15	1013	2875	0.142181682	-	-	-
CPA2	1358	1342	0.304599356	0.332090439	0.15744021	0.15084118
MESP1	55897	1184	0.345246905	0.188203281	0.535349902	-
ABCB4	5244	3988	0.102500586	-	-	-
PLA2G2C	391013	453	0.902367188	-	-	0.446862832
STX19	415117	1198	0.341212301	0.18600391	0.176364575	-
MYO15A	51168	11876	0.034420035	0.018763278	0.035581806	0.068180823
FAM160A1	729830	4576	0.089329619	-	0.046172369	-
BCAS4	55653	1368	0.298810187	-	0.30889585	0.443922945
CAPS2	84698	2155	0.189685539	0.51701319	0.196087946	0.469672536
CCDC144C	348254	4204	0.097234143	0.159014761	0.150774092	0.288908939
TNFRSF11E	4982	2354	0.1736501	-	0.179511267	-
SNTA1	6640	2345	0.174316561	0.380098396	0.090100111	-
CD3G	917	1311	0.311801934	0.679886147	0.483489156	0.463223943
C1orf220	400798	2577	0.158623336	0.086469804	0.081988654	0.157104279
SLC9B1	150159	1879	0.217547811	0.474364417	-	0.323196694
AKR1C3	8644	1224	0.333964327	0.910264235	0.345236538	3.473044217
GRIP1	23426	5060	0.080785047	0.04403808	0.125267645	0.120017112
GPM6A	2823	3614	0.113108007	-	0.116925712	-
SLC10A5	347051	1317	0.310381425	-	0.481286472	-
KIAA1211	57482	7013	0.058287799	0.095322694	-	0.115459212
GUCY1B2	2974	3025	0.135131351	0.073663697	0.209538606	0.200755897
KCNH7	90134	4242	0.096363116	-	-	0.143160441
LOC100129	1E+08	4300	0.095063334	0.155464664	0.196543964	0.09415296
BEX4	56271	1290	0.31687778	-	-	-
TSPAN18	90139	4242	0.096363116	-	0.099615635	0.095440294
LUZP2	338645	5271	0.077551193	0.04227522	-	0.23042557
CYP4F35P	284233	2876	0.142132245	0.387400356	0.220394396	-
TEX14	56155	4954	0.082513592	-	0.042649326	0.367755302
LOC100289	1E+08	1431	0.285655022	1.401463426	1.181186646	0.707298613
CCDC38	120935	1972	0.207288203	0.112998319	0.107142374	-
ERVFRD-1	405754	3318	0.123198414	0.067158736	0.063678349	0.244037207
TRPC6	7225	4612	0.088632337	0.048315847	-	0.087783549
FBXW12	285231	1647	0.248192068	-	-	-
DSPP	1834	4331	0.094382899	-	0.04878429	-
LOC650293	650293	651	0.627914495	2.396050374	0.64910833	1.243802537
SPATA17	128153	1251	0.326756464	-	0.168892695	-
PNPLA1	285848	2478	0.164960588	0.899244087	0.767378068	3.512688098
BCRP2	400892	2334	0.175138105	-	0.181049496	-
CAHM	1.01E+08	903	0.452682543	0.740307923	0.23398091	1.120868566
TMEM14E	645843	1293	0.316142565	1.034026379	0.490219864	0.78278756
HHIPL1	84439	3462	0.118074043	0.064365305	0.061029683	0.058471653
SLC25A41	284427	1571	0.260198814	0.283682603	0.537962473	1.417388601
ZCCHC16	340595	2958	0.138192135	0.225996638	0.214284748	0.136868738
C8orf31	286122	1875	0.218011913	0.237688197	0.450740824	0.431848241
GALR2	8811	1309	0.312278332	-	0.161409291	-
BST1	683	1497	0.273061013	0.595411315	0.141138785	-
CHRNA10	57053	1962	0.208344718	0.34072276	0.323065384	0.619048511
KIAA0087	9808	4320	0.094623226	0.20632656	0.146725529	0.093717066
GPR64	10149	4895	0.083508138	0.136567529	0.043163383	0.330833688
C17orf100	388327	1560	0.262033549	0.285682929	0.541755798	0.908334641
TNS4	84951	4090	0.099944336	0.054482319	0.154976598	-
BAAT	570	3478	0.117530861	0.128138404	0.060748925	0.058202663

GEM	2669	2195	0.186228855	-		0.192514589	0.5533363
NR4A3	8013	5707	0.071626483		1.288501594	0.370220363	9.825266346
LRRD1	401387	2661	0.15361606		0.334960819	0.397002558	0.152144955
BLOC1S1-F	1.01E+08	1213	0.336992857	-		0.174183645	-
TSNAXIP1	55815	2455	0.166506043	-		0.430315196	0.164911497
LOC72960	729609	628	0.650911363		0.354829116	0.672881406	-
COL10A1	1300	3307	0.123608206	-		-	-
PTGES	9536	1787	0.22874781		54.74177314	-	138.7662883
MYLK	4638	7852	0.052059645		0.085137297	0.080725202	0.025780548
DKFZp686	440034	1656	0.246843198		0.2691216	0.510349665	0.122239652
LOC20026	200261	1926	0.212239011		0.694182819	-	2.627581295
NEUROD1	4760	2945	0.138802151	-		-	-
C14orf178	283579	646	0.632774514		2.069653419	-	1.253429492
C9orf96	169436	2779	0.14709332		0.080184485	0.076029061	-
LOC10012	1E+08	1224	0.333964327	-		0.172618269	-
GNAT2	2780	1384	0.295355734		0.32201255	0.3053248	0.292527259
XIST	7503	19271	0.021211786	-		-	0.031512977
ANGPTL4	51129	1967	0.207815117		20.95782749	0.644488342	139.960983
BREA2	286076	1002	0.407956423		0.667163727	0.421726071	0.404049627
TAS2R43	259289	1027	0.398025644		0.216974377	0.20573005	0.197106975
COL6A3	1293	10599	0.038567066		0.021023935	-	-
SRPK3	26576	2014	0.20296541		1.217060344	0.419632098	0.804086844
MAGI2	9863	6880	0.059414584		0.032388472	0.030709994	-
C19orf26	255057	2564	0.159427588		0.086908223	0.082404353	-
KLK10	5655	3123	0.130890918		0.071352124	-	0.12963744
GPR162	27239	2516	0.162469132		0.08856625	0.335905821	0.241369868
LOC10019	1E+08	3528	0.115865175		0.126322384	-	-
C15orf5	81698	1512	0.270352074		0.294752228	0.558954395	-
FGF8	2253	1036	0.394567892	-		0.20394282	-
SLC30A4	7782	4290	0.095284927	-		0.098501054	0.707793227
TNFRSF130	115650	934	0.437657747		0.954315566	0.904859792	-
SIM2	6493	4177	0.097862661		0.21339017	0.202331589	0.04846274
C12orf53	196500	2240	0.18248765	-		0.094323554	0.180740056
SFRP4	6424	2974	0.137448667		0.074926928	0.142087936	0.204198584
MYOT	9499	2290	0.178503204		0.583841095	0.184528176	0.618778184
HTR7	3363	3378	0.121010165	-		-	-
ESPN	83715	3531	0.115766734	-		-	-
DNAJB13	374407	1875	0.218011913		0.356532296	0.225370412	0.21592412
DAPK2	23604	2628	0.155545029		8.309590222	0.8039755	29.65567437
LOC10050	1.01E+08	4374	0.093455038		0.203779318	0.096609402	0.185120131
CYP4F11	57834	3395	0.120404223		0.065635548	0.186702293	0.178876757
CTF1	1489	1681	0.243172121		0.265119197	-	0.240843382
BEST4	266675	2096	0.19502497		0.318939911	-	-
ADHFE1	137872	1907	0.214353611		0.467399444	0.221588633	0.212300853
ACTL8	81569	1888	0.216510771		0.118025786	0.447637206	0.107218677
CABYR	26256	2333	0.175213174		0.191026734	0.09056355	0.086767622
LOC65356	653566	1624	0.251707104	-		0.130101454	0.124648315
LOC10033	1E+08	3162	0.129276514		0.704720698	0.334099876	0.640192482
FITM1	161247	1064	0.384184526		0.41885843	0.397151807	0.951263454
LRRC17	10234	2303	0.177495587		0.677302993	0.550459647	0.966876896
ITK	3702	4366	0.093626279	-		-	-
KIAA0319	9856	6896	0.059276731	-		0.061277483	0.029354533
C2orf62	375307	1414	0.289089347		0.1575903	0.149423452	-
PLSCR3	57048	2089	0.195678476		0.106669548	0.10114158	0.19380456
SEMA3B	7869	2989	0.136758895		0.14910183	0.070687441	0.135449222
A1BG	1	1766	0.231467914		0.630896616	1.196402952	0.458502521
TMEM163	81615	1901	0.215030161	-		0.111144009	-
SPOCK2	9806	5345	0.076477518		0.166759727	0.158117689	0.075745131
TIGD4	201798	2472	0.165360977		0.270428015	0.085471182	0.163777397
VEPH1	79674	4313	0.094776799	-		-	0.140803754
GALNT4	8693	5408	0.075586601	-		-	0.187156863
KEL	3792	2562	0.159552044		0.086976067	-	-

ETV2	2116	1490	0.27434385	0.149552137	0.709009266	0.135858297
CRYBB2	1415	781	0.523396077	-	-	-
CLEC12B	387837	3044	0.13428789	0.219611713	-	0.332504703
C20orf107	388799	694	0.58900913	-	-	0.291684241
G6PC	2538	3096	0.132032408	0.215923144	-	0.196151999
SEMA3E	9723	6629	0.061664253	0.100844479	-	0.091610588
C14orf176	643382	1526	0.26787178	0.29204808	-	0.795919514
LOC100133	1E+08	963	0.424478023	1.156971364	0.21940266	2.102065036
ZNF833P	401898	2015	0.202864683	-	0.104855961	-
NPFPR2	10886	2052	0.199206791	-	0.205930567	0.098649543
WNK3	65267	11356	0.035996155	0.117734775	0.09302781	0.089128594
ZNF32	7580	1219	0.335334156	0.913997887	0.173326301	-
ATPAF1-AS	374973	865	0.472569175	-	0.24425984	0.234021807
TPSAB1	7177	1194	0.34235539	-	0.530866235	-
GIPR	2696	2024	0.201962617	0.2201904	0.208779408	2.200313728
ZNF626	199777	6088	0.067143945	0.073203904	0.034705118	0.166252351
TSPAN2	10100	3213	0.127224505	-	0.723352747	-
SSC5D	284297	4910	0.083253022	0.090766878	0.129094559	0.082455749
LOC339524	339524	1419	0.288070709	-	0.148896942	-
PRRG1	5638	1783	0.229260985	-	0.118499586	0.227065466
ZNF705D	728957	3683	0.110988959	0.060503037	0.05736757	-
B3GNT8	374907	1894	0.215824887	6.470854098	0.669328705	24.04777939
C10orf10	11067	2060	0.198433173	0.973540856	0.307696254	2.063595205
PNMA3	29944	3771	0.108398922	-	0.056028842	-
CHMP4C	92421	1847	0.221316912	0.361937225	0.114393482	0.657592408
ZFPM2	23414	4507	0.090697212	0.346090258	0.23439623	0.44914325
RMRP	6023	277	1.475712405	4.022250627	6.102086971	5.846320952
ASTL	431705	1296	0.315410753	0.6877552	0.489085096	0.468585331
CCDC154	645811	2191	0.186568843	0.203407289	0.86789724	0.369564332
ELANE	1991	938	0.435791403	-	0.450500557	-
CALHM1	255022	3056	0.133760581	0.291665818	0.069137684	-
LIPE	3991	3806	0.107402085	0.175643209	0.1665408	0.106373549
NPY6R	4888	2988	0.136804664	-	-	0.067747277
LOC100129	1E+08	2248	0.181838228	0.297374579	0.093987883	0.090048427
MET	4233	6695	0.061056361	0.033283448	-	0.030235827
C9orf152	401546	2698	0.151509391	-	0.078311624	-
VWA5B2	90113	4040	0.101181271	0.165469815	-	-
VWA3A	146177	4686	0.087232679	0.190211425	0.135265532	0.086397295
FAM170A	340069	1471	0.27788738	0.30296762	0.14363342	0.137613095
RDH16	8608	1738	0.235196971	0.128212132	0.243135514	0.232944606
MTRNR2L5	1E+08	1739	0.235061723	0.384415212	0.36449355	0.465621306
NOX4	50507	4615	0.088574721	0.144853316	0.183128721	0.219316211
PDE6H	5149	763	0.53574356	-	-	0.265306505
SLC39A5	283375	2015	0.202864683	-	0.209711922	-
FBXL16	146330	3543	0.115374636	0.125787573	-	-
CASKIN1	57524	5695	0.071777408	0.156511104	-	-
SCML4	256380	4540	0.090037959	0.294492535	0.232692468	0.75799354
LOC283335	283335	2863	0.142777624	0.233495653	0.442790279	0.282820626
LOC93432	93432	1637	0.249708208	0.272245186	0.129068272	0.247316876
LOC644669	644669	2097	0.194931968	0.106262606	0.201511456	0.386130401
CPA6	57094	1907	0.214353611	0.116849861	0.332382949	0.106150426
SUMO4	387082	702	0.582296775	1.587127384	1.203901774	1.441801018
CAPN12	147968	3129	0.130639928	0.213645911	0.472672844	0.194083282
DHH	50846	1971	0.207393372	-	-	0.205407268
OLAH	55301	1834	0.222885679	0.486003674	0.230408682	0.883004855
KLRC3	3823	1042	0.392295908	-	0.202768485	-
VASN	114990	2864	0.142727771	0.389023542	0.147545224	0.282721876
FAM57B	83723	1943	0.210382057	0.573424305	0.217483028	0.208367332
LRFN3	79414	2549	0.160365765	-	0.082889275	0.079415011
ZNF667	63934	4479	0.091264196	0.199002174	0.14151692	0.045195102
ADCY10	55811	5421	0.075405338	-	-	-
NKAPL	222698	1639	0.2494035	-	-	-

C21orf71	282566	459	0.890571538	0.485474259	-	-
GPR157	80045	1153	0.354529346	-	0.549743525	0.175567097
TMPRSS9	360200	3180	0.12854476	0.140146343	0.132883498	0.12731375
FER1L4	80307	6598	0.061953976	0.033772762	0.160112732	0.214762358
MGC3771	81854	1233	0.331526631	0.903619971	0.514074845	0.656703529
SEPT4	5414	2381	0.171680948	-	-	1.615350019
HGF	3082	2820	0.144954729	-	2.772175947	0.215349854
BOLL	66037	2842	0.143832631	-	0.074343688	-
GIMAP8	155038	3952	0.103434296	0.281923943	0.213850973	1.126881322
SLC2A9	56606	1885	0.216855351	-	0.112087407	-
CA14	23632	1757	0.232653578	0.76095396	0.120253137	0.460851139
C20orf103	24141	2059	0.198529546	0.54111871	-	-
DIO1	1733	1876	0.217895702	0.118780749	0.112625139	0.215809022
WWTR1	25937	5135	0.079605129	0.086789751	0.08229202	0.15768558
TRPM8	79054	5621	0.072722351	0.07928578	0.112765395	-
RP1-177G6	286411	1398	0.292397951	0.637575636	0.453400775	0.434396702
PRG4	10216	5059	0.080801015	0.08809357	0.041764135	0.080027224
LOC100289	1E+08	747	0.547218656	2.983034602	0.565688785	5.148793034
RASL11B	65997	1979	0.206554995	-	0.320290189	-
ZNF525	170958	6105	0.066956976	0.182500151	0.103825436	0.099473643
CYP8B1	1582	3950	0.103486667	0.169240014	0.106979626	0.15374344
C9orf64	84267	2485	0.16449591	0.179342201	0.425120244	0.162920614
IFITM10	402778	3721	0.109855506	5.030353539	0.511035435	18.93180444
GGTA1P	2681	1755	0.23291871	-	-	-
SLCO2A1	6578	4234	0.09654519	0.157888062	0.049901928	0.095620625
PRRT1	80863	1931	0.211689454	-	0.109417277	0.104831105
FAM84B	157638	5503	0.074281726	0.080985893	0.230366812	0.147140733
CYP26B1	56603	4534	0.09015711	5.553615654	-	10.40271837
RHBDF1	64285	3091	0.132245984	0.216272421	0.136709648	0.13097953
TXNRD3NE	645840	1165	0.350877542	-	-	-
ACSBG1	23205	3010	0.135804763	-	-	0.201756342
ANKRD45	339416	2671	0.153040935	0.50056013	0.237309728	2.728356071
TECRL	253017	2843	0.143782039	-	-	-
LOC100130	1E+08	1260	0.324422489	0.884256685	1.17380423	1.124604794
BCHE	590	2461	0.166100096	-	-	-
CAGE1	285782	3074	0.132977338	-	-	-
C2orf77	129881	2187	0.186910076	0.203779318	-	0.092560065
C6orf25	80739	2560	0.159676694	-	0.33013244	0.079073775
USP2	9099	3748	0.109064124	0.178361274	0.056372668	0.432078683
LRRC43	254050	2045	0.199888673	0.762752466	0.413270927	0.494936095
GTSE1L	149699	842	0.485477834	1.058587576	1.003728082	-
HFE	3077	2222	0.183965948	0.100284737	-	2.004246168
NEK10	152110	2656	0.153905247	-	0.079549985	-
EXD1	161829	2949	0.138613881	0.151124235	0.21493872	0.480502557
EPHX4	253152	1443	0.283279512	0.463269615	0.585681944	0.841700054
FAM123C	205147	6252	0.065382651	0.178209121	0.067589495	0.129513028
SKOR1	390598	2766	0.147784648	0.24168404	0.30554557	0.219554081
IL1R1	3554	4909	0.083269981	0.045392684	0.129120856	0.164945091
QRFPR	84109	2347	0.174168017	0.569661742	0.180046665	0.431250241
IMPG2	50939	8365	0.048866986	0.106554781	0.02525819	0.048399011
LY86	9450	895	0.456728867	0.995900267	0.944289436	14.24918253
FPR3	2359	2517	0.162404583	-	-	0.241273973
OR7E91P	79315	1257	0.325196767	0.53182025	0.504259574	0.322082519
UBE2NL	389898	1190	0.343506165	-	0.17755022	-
C6orf174	387104	11818	0.034588961	-	0.035756433	0.051386579
VIPR2	7434	3961	0.103199277	0.168770021	0.053341268	0.102210989
LOC100130	1E+08	2400	0.170321807	-	-	0.168690719
LOC100289	1E+08	583	0.701153235	1.146651894	2.536866774	1.041657957
HCG26	352961	1180	0.346417234	0.755365033	0.358109765	0.857749419
MARVELD2	153562	2297	0.177959223	0.776082489	0.275948752	0.528764988
ANKRD57	65124	4681	0.087325857	0.238018249	0.135410016	0.216223951
PPEF2	5470	3430	0.119175608	0.064965797	0.246396223	0.236068645

TMEM169	92691	3477	0.117564664	0.192262886	0.121532793	0.349316416
CACNA1D	776	7771	0.052602282	0.229399238	0.08156663	0.078147805
GLT8D2	83468	1906	0.214466073	0.116911167	0.221704891	-
GRIP2	80852	7977	0.051243868	0.027934397	-	0.126882827
GFRAL	389400	1911	0.213904938	0.116605277	0.110562408	-
RPL13AP2	387841	660	0.619352024	0.33762528	0.640256853	0.920131195
CTTNBP2	83992	5980	0.068356578	-	0.0353319	-
PTCHD1	139411	5305	0.077054163	-	0.039827476	-
C4orf44	345222	1670	0.244773854	0.266865491	0.126517821	0.363644664
ZNF155	7711	2673	0.152926426	0.083364267	-	0.075730963
RIMKLA	284716	10583	0.038625374	0.04211144	-	0.038255478
NOXRED1	122945	1869	0.21871179	0.238451241	0.113046956	0.433234592
TEX11	56159	3151	0.129727812	0.282872339	0.201159722	0.256970946
FRMD5	84978	2261	0.180792718	0.098554925	0.186894968	-
ZNF135	7694	3408	0.119944934	0.130770355	0.061996702	0.118796281
CORT	1325	1238	0.330187671	-	1.194663433	-
ACMSD	130013	1278	0.319853158	-	-	-
HIST1H2BF	8343	430	0.95063334	-	0.98271982	-
LOC10012	1E+08	1440	0.283869678	0.92846952	0.586902115	0.702877996
C9orf163	158055	2587	0.15801018	-	0.163343457	-
ZNF501	115560	3081	0.132675215	-	-	-
L1CAM	3897	5046	0.081009183	0.088320525	0.041871732	-
CLDN9	9080	2139	0.191104411	0.416704413	0.493886773	1.041008645
GRIK5	2901	3555	0.114985186	0.125362973	0.059433126	0.056942015
THEMIS	387357	3983	0.102629258	-	-	-
ZNF415	55786	2674	0.152869236	-	-	-
TTC22	55001	2249	0.181757375	0.297242354	0.093946092	0.090008387
DPF3	8110	2271	0.179996625	0.490604766	0.279108007	0.445682217
RSAD2	91543	3512	0.116393034	0.634489421	0.060160809	181.3329165
ZNF841	284371	3876	0.105462419	0.344942236	0.436088259	0.470036059
ZNF792	126375	3898	0.104867198	0.400161312	0.325220259	0.519314682
SIGLEC8	27181	2967	0.137772948	0.225311107	0.427269487	4.571194411
P2RY4	5030	1639	0.2494035	0.135956489	-	0.370522629
SPDYE2	441273	1983	0.206138344	0.224743	-	0.10208213
PDE3A	5139	4124	0.099120353	0.108066287	0.051232968	-
CCL23	6368	641	0.637710353	7.995556551	1.31846965	6.631834824
SLC12A3	6559	5582	0.073230444	-	-	-
C16orf3	750	1000	0.408772336	-	0.633854284	0.404857726
CDH26	60437	3193	0.128021402	0.209363625	0.397027425	0.126795404
TM4SF20	79853	2310	0.176957721	0.192928731	0.091465265	0.438157712
LOC10013	1E+08	2253	0.181434681	0.296714627	0.187558599	0.449242927
F2RL2	2151	3427	0.119279935	0.065022668	0.369917878	0.2362753
C17orf88	23591	780	0.524067098	1.714097575	2.167023193	2.595241833
FLJ44511	441307	3506	0.116592224	-	0.180791296	-
FBXL22	283807	1570	0.260364545	0.283863293	0.538305124	0.257871163
CDH1	999	4815	0.084895605	0.138836564	0.043880532	0.042041301
LOC73142	731424	3390	0.12058181	0.262929422	0.436281218	2.985676445
LOC28483	284837	4622	0.088440575	0.096422624	0.182851373	0.087593623
CCDC81	60494	2788	0.146618485	0.23977692	0.303134521	0.435643177
SLC1A2	6506	12021	0.034004853	0.166832557	0.07030522	0.134716821
SCG2	7857	2586	0.158071282	0.258506595	0.081703311	0.939345072
C16orf71	146562	2716	0.150505278	0.328177739	0.466755732	0.074531982
FLJ41200	401492	2330	0.175438771	0.095636345	0.090680155	0.260638021
HIST1H2A	8332	470	0.869728375	0.474112095	0.899084091	-
ASB11	140456	2799	0.146042278	0.318446138	0.226457408	0.289287407
MTPP	4547	4093	0.099871081	0.163327157	0.051621002	-
LOC10012	1E+08	6057	0.067487591	0.073578565	0.034882741	0.167103238
SIGLEC11	114132	3183	0.128423605	1.050106903	0.199137381	2.798262636
FTLP10	1E+08	1501	0.272333335	0.148456152	0.140762666	-
POM121L8	29797	7716	0.052977234	0.057758602	0.164296082	0.052469897
PLXNA4	91584	13061	0.03129717	0.085304603	0.06470707	0.061994905
SLC19A3	80704	3775	0.108284063	0.059028526	-	0.05362354

FLJ33360	401172	2419	0.168984017	0.184235374	0.17468769	0.418414351
HSD3BP4	128102	8697	0.047001533	0.025621787	0.024293982	0.069827135
CC2D2B	387707	2124	0.192454019	0.31473543	0.099474935	0.762443928
ZNF418	147686	3712	0.110121858	0.060030357	0.056919386	-
CPA4	51200	2817	0.1451091	0.395514172	0.450020791	0.503018119
PCDHB16	57717	4827	0.084684553	0.092327609	0.043771444	0.209683927
ISX	91464	3401	0.120191807	-	-	-
RENBP	5973	1507	0.271249062	0.887190517	1.402022305	14.37285225
ZNF575	284346	1717	0.23807358	-	0.246109215	-
HK3	3101	3080	0.132718291	37.76579917	0.685989485	34.63636714
DYX1C1	161582	2011	0.203268193	-	-	0.805286377
LOC33929	339290	3979	0.102732429	-	0.10619993	0.101748612
FAM92A3	403315	2475	0.16516054	0.180066816	0.256102741	0.245368319
GNG3	2785	914	0.447234503	-	0.69349484	0.66442734
ADCY6	112	6583	0.062095144	0.135398867	0.160477564	0.24600196
GFAP	2670	3097	0.131989776	-	0.068222396	0.130725775
SCG3	29106	3366	0.121441573	0.066201035	0.125540559	0.180417881
POTEF	728378	4337	0.094252326	0.102758905	-	0.186699436
CDNF	441549	1330	0.307347621	0.335086744	0.476582168	-
PTPRB	5787	11332	0.036072391	0.058992063	0.0559349	0.071453887
PROZ	8858	1485	0.275267566	-	-	0.136315733
RHBDL1	9028	1559	0.262201627	0.142933088	0.406577475	0.259690652
SEPT3	55964	4656	0.087794746	0.047859254	0.04537903	-
KCNJ1	3758	2749	0.148698558	0.081059543	0.076858771	0.073637273
RBPJL	11317	2630	0.155426744	-	-	0.153938299
MAST1	22983	4933	0.082864856	-	-	0.04103565
BATF2	116071	2142	0.190836758	15.29243915	0.197278022	110.3813781
DQX1	165545	2650	0.154253712	-	0.079730099	0.07638825
CLDN4	1364	1846	0.221436802	0.120711097	0.228910901	0.109658106
FGF17	8822	1238	0.330187671	-	0.170666205	0.163512813
HIST1H3D	8351	864	0.47311613	0.2579082	-	0.468585331
ANK3	288	17035	0.023996028	0.013080874	-	0.02376623
LOC10050	1.01E+08	3087	0.132417342	0.144368438	0.136886791	0.065574624
TRHR	7201	1392	0.293658287	-	0.303570059	0.145423034
SMAD5-AS	9597	1827	0.223739648	-	0.231291474	0.221597004
BAALC	79870	2859	0.142977382	-	0.07390163	0.070804079
FADS6	283985	2052	0.199206791	0.325778779	0.102965283	0.197299087
ADRA2B	151	3288	0.124322487	0.135542996	0.064259356	0.061565956
SOCS1	8651	1216	0.336161461	1.466004505	0.173753916	6.492373072
ETV7	51513	1634	0.250166668	-	0.258610479	-
FAM156B	727866	1701	0.240312955	0.262001981	0.621060439	0.119005798
RD3	343035	4290	0.095284927	0.103884702	0.147751581	-
CCDC109B	55013	1298	0.314924758	0.515021613	0.325554332	-
RGS17	26575	1472	0.277698598	0.6055236	0.43060753	0.275039216
LRRC6	23639	1625	0.251552207	-	-	0.249143216
LRRC16A	55604	5431	0.075266495	0.328238166	0.077806946	0.96909417
EEF1DP3	196549	575	0.710908411	-	0.367451759	-
LOC25516	255167	3045	0.134243789	0.146359727	-	-
CDKN1C	1028	1943	0.210382057	-	0.108741514	-
CLEC17A	388512	2162	0.189071386	1.752153395	1.368171443	9.175776397
SLPI	6590	598	0.683565779	1.49051963	1.059956997	1.354039217
TEX22	647310	2571	0.158993519	0.520029603	0.246539978	0.236206375
SLC13A3	64849	4084	0.100091169	0.109124723	-	-
LOC64136	641367	2694	0.151734349	0.413572169	0.392139498	0.601125057
CPN2	1370	3088	0.132374461	0.072160844	-	-
LSP1	4046	2072	0.197283946	41.72735602	-	264.6620607
EFCAB10	1E+08	791	0.516779186	0.563420189	1.0684438	0.255915124
FSCN2	25794	1762	0.23199338	-	-	-
RUSC1-AS1	284618	1326	0.308274763	0.840243909	-	-
CAMKV	79012	3028	0.134997469	-	0.837324021	0.066852333
LINC00051	619434	1058	0.386363267	-	0.399404086	-
PCDHB13	56123	3485	0.117294788	0.191821536	0.060626904	-

LOC40124	401242	2785	0.146776422	0.240035208	0.151730529	0.072685409
GLDN	342035	5084	0.080403685	0.525962277	-	2.389010971
TMPRSS3	64699	2463	0.16596522	0.180944121	0.171567001	0.410939632
C8orf51	78998	2030	0.201365683	0.658618773	0.104081163	0.498593259
C1R	715	2526	0.161825945	0.793940682	0.083644007	2.724695701
TEX9	374618	1470	0.278076419	0.15158686	-	-
FLJ46361	375940	3743	0.109209815	0.059533178	0.169343918	-
KCNQ4	9132	4116	0.099313007	0.108276329	0.153997639	0.098361935
C1orf190	541468	1863	0.219416176	-	0.34023311	-
DGCR6	8214	1245	0.328331194	-	-	-
CTHRC1	115908	1236	0.330721955	0.360570687	0.683769454	0.163777397
TBX6	6911	1830	0.223372861	0.487065978	0.577280769	0.44246746
LRRC29	26231	1486	0.275082326	1.049682903	0.426550662	1.226015994
GPR156	165829	4200	0.097326747	0.159166203	0.251529478	0.048197348
ANKRD65	441869	2042	0.200182339	0.654748339	0.206939041	0.594795875
TPH1	7166	1815	0.225218918	0.368318487	0.232820674	0.223062108
MATN4	8785	2270	0.180075919	0.196328357	-	0.267527132
PCDHGC4	56098	4623	0.088421444	-	-	0.043787338
LINC00184	1E+08	2281	0.179207513	0.683835508	0.185256257	0.266236996
THBS4	7060	3233	0.126437469	0.827093169	0.326762699	0.500906559
FLJ39582	439931	2632	0.155308638	0.338651497	0.240826096	-
HYMAI	57061	5005	0.081672794	0.17808806	0.084429475	0.161781309
GPAT2	150763	2840	0.143933921	0.706159916	0.223188128	-
C22orf45	646023	2568	0.159179259	0.260318557	0.082275997	0.70944695
PPIAL4G	644591	738	0.553892054	0.301941307	0.286293715	0.274293852
PLIN2	123	2116	0.193181633	0.421233809	0.599106129	1.052323957
KYNU	8942	1774	0.23042409	0.879272149	0.238201535	5.13489224
SIGLEC16	400709	1714	0.238490278	0.910051805	0.369809967	5.314643426
PDE6C	5146	2980	0.137171925	0.074776069	0.141801853	0.135858297
EMR3	84658	2310	0.176957721	36.17413713	3.201284263	106.3846925
ASB9P1	728619	1625	0.251552207	0.68563903	0.520085566	0.747429648
KLHL35	283212	1952	0.209412057	0.228312177	-	-
TRO	7216	4665	0.087625367	0.047766921	0.045291482	-
ZNF470	388566	7149	0.057178953	0.03116977	0.088663349	0.028315689
HLA-G	3135	1578	0.259044573	0.706060471	0.535576074	3.591893639
MFI2-AS1	1.01E+08	951	0.429834212	2.108826669	1.999540328	0.425717903
FLJ36777	730971	2140	0.19101511	0.312382268	-	0.28377878
PPP2R3A	5523	6814	0.05999007	0.098106553	0.03100745	0.029707787
NPPA	4878	858	0.476424634	2.337405784	0.738757907	1.179655379
C8ORFK29	340393	911	0.448707284	-	0.231926192	-
RASAL1	8437	3841	0.106423415	0.116028474	1.815255695	2.951319012
SH3GL1P2	6459	2506	0.163117453	0.266759	0.168623114	0.242333036
AXDND1	126859	3642	0.112238423	0.061184153	-	0.055581786
PDE1A	5136	2414	0.169334025	-	-	-
PTPN21	11099	6215	0.065771896	0.107562036	-	-
HLA-DRB1	3123	1229	0.332605644	0.181312193	-	-
KCTD16	57528	5183	0.078867902	-	0.040764955	-
CABP1	9478	1627	0.251242985	-	-	0.248836955
C18orf32	497661	1669	0.244920513	0.133512693	-	1.212875153
DUSP15	128853	1383	0.295569296	0.161122693	0.152772785	-
CPNE9	151835	2066	0.197856891	0.647142356	0.409070206	0.58788634
ZIM3	114026	2627	0.155604239	0.084824014	0.160856309	0.231171142
C9orf43	257169	2099	0.19474623	0.318484066	0.301979173	-
C16orf96	342346	3426	0.119314751	0.130083295	0.123341951	-
TMEM25	84866	2551	0.160240038	0.087351111	0.331297156	0.317410996
C15orf55	256646	3795	0.107713396	0.05871744	0.055674509	0.106681878
WDFY3-AS	404201	1569	0.260530488	-	0.134662053	-
C11orf65	160140	1033	0.395713781	0.647142356	-	0.195962113
C7orf65	401335	2911	0.140423338	0.153097001	0.14516301	-
DEGS2	123099	1411	0.289703994	0.789626806	0.149741149	-
PCDHGA12	26025	4774	0.085624704	-	0.044257386	0.042402359
TCF7	6932	3322	0.123050071	0.06707787	0.190805022	0.060935841

ZNF568	374900	4125	0.099096324	-		0.153661645	0.049073664
FBXO24	26261	2292	0.178347442		0.583331635	0.55310147	0.264959245
SGPP2	130367	1200	0.340643613		1.299857328	0.704282538	0.168690719
PRR5L	79899	3979	0.102732429	-			0.050874306
POM121L1	25812	3995	0.102320985		0.334667361	0.158661898	0.152011662
HIST1H2AJ	8331	439	0.931144274		0.507591537	0.481286472	-
ABCA5	23461	9249	0.044196382		0.048185249	0.045688131	0.065659703
TMEM200	114801	5042	0.08107345		0.044195296	0.125714852	0.040148525
TIAM2	26230	5916	0.069096068		0.30132885	0.249998872	2.121465433
LOC10013	1E+08	2828	0.144544673		0.1575903	0.074711726	-
MYH11	4629	6942	0.058883944		0.160496028	0.182614314	0.262440185
LGALS9C	654346	1743	0.234522281		9.460481165	-	9.639469665
DLEC1	9940	5632	0.072580315		0.039565462	-	-
GLI1	2735	3618	0.112982956		0.615900179	0.233592882	0.559504873
LRRC37A	9884	5177	0.078959308	-		-	-
SHANK2	22941	10641	0.038414842	-		0.039711448	1.80723071
LOC10012	1E+08	3681	0.111049263		0.36321546	0.11479748	0.274964497
C1S	716	2850	0.14342889		0.312747628	0.222405012	0.852332055
SVOPL	136306	1804	0.226592204		0.494085775	0.117120156	0.448844485
THAP10	56906	2119	0.192908134	-		-	-
HSPE1-MO	1.01E+08	4279	0.095529875	-		-	0.047307516
CARD14	79092	3916	0.104385173		0.056903137	-	-
SOX2-OT	347689	2529	0.16163398		0.088110986	0.16708957	-
ALDH1A1	216	2378	0.171897534	-		0.088849773	0.085125678
MTRNR2L6	1E+08	1395	0.293026764		1.118156841	0.15145861	-
NIPSNAP3	55335	1781	0.229518437		0.250233223	0.593163283	1.022942036
LOC64632	646324	3690	0.110778411	-		0.057258743	0.164576311
N4BP3	23138	5987	0.068276655		0.148877691	0.10587177	0.338114019
RIN2	54453	4259	0.095978478		0.052320424	1.091398157	12.02500642
LCA5L	150082	2364	0.17291554		0.094260865	0.178751913	0.25688942
SPRNP1	399833	2403	0.17010917		0.185462076	0.263776231	-
GTF2IRD2	389524	3595	0.113705796		0.185952171	0.235087356	0.112616892
WFDC8	90199	1269	0.32212162		0.702388289	0.499491162	0.319036821
ARL17B	1.01E+08	488	0.83764823		0.456624354	0.432960577	1.659252975
MAGEA8	4107	2139	0.191104411		0.104176103	-	-
PROM2	150696	4739	0.086257087		0.18808414	0.312089751	0.29900866
MUC22	1.01E+08	6005	0.068071996		0.14843143	0.105554419	0.033710052
GPR12	2835	4863	0.084057647		0.045822061	-	0.208131671
LRAT	9227	4909	0.083269981		0.181570735	0.172161142	0.082472546
CCDC39	339829	3894	0.104974919		0.343347742	0.162777166	0.259924066
UTY	7404	4334	0.094317567	-		0.097501044	0.140121502
PLIN5	440503	2445	0.16718705		4.830319956	-	7.782541152
PFN2	5217	2117	0.193090381		0.105258708	-	0.286861875
STAT4	6775	2761	0.148052277	-		0.076524723	0.586537814
CYP2S1	29785	2657	0.153847323		0.083866272	-	-
SYP	6855	2449	0.16691398		0.636924783	0.345095568	0.578604345
LY96	23643	642	0.636717034	-		1.316415959	13.24300973
CES1P1	51716	2259	0.180952783		0.09864218	0.467651088	0.985709381
ERBB4	2066	11941	0.034232672	-		0.017694059	-
LRRC70	1E+08	2290	0.178503204		0.291920548	0.184528176	0.088396883
LOC25688	256880	1985	0.205930648		0.112258279	0.319322057	0.305937828
AHNAK2	113146	18317	0.022316555		0.012165348	0.080744299	-
IER5L	389792	2724	0.150063266		0.736231337	0.465384937	7.579935397
CASQ1	844	1993	0.205104032		0.223615338	0.106013428	0.203139852
C1orf114	399726	2006	0.203774844		0.111083093	0.421305606	-
C6orf81	221481	1184	0.345246905	-		0.356899935	0.341940647
TMC3	342125	3303	0.123757898	-		-	-
CASC1	55259	2651	0.154195525		0.420280431	0.318800093	0.229078306
FLJ43315	644316	2521	0.1621469		0.088390593	0.083809901	0.08029705
EID3	493861	1447	0.282496431		0.769981634	-	0.839373309
CD22	933	3300	0.123870405		0.270100224	-	2.330999028
DLEU7	220107	1180	0.346417234	-		-	0.514649652



TPTE2P3	220115	2627	0.155604239	0.084824014	-	-	
SHANK3	85358	7145	0.057210964	0.062374439	0.118283981		0.113326165
LOC100287	1E+08	960	0.425804517	0.92846952	-	-	
CELF3	11189	5593	0.073086418	0.119524058	0.113329927		0.180966264
C3orf45	132228	1526	0.26787178	-	-		0.132653252
PKIB	5570	1909	0.214129039	-	0.332034722		0.530196079
MDS2	259283	1027	0.398025644	1.084871883	0.4114601		0.197106975
CLDN14	23562	1233	0.331526631	-	-	-	
ADAM33	80332	3594	0.113737434	0.124002607	0.117576384	-	
RPL36A-HN	1.01E+08	2659	0.153731604	0.083803191	-	-	
LOC100507	1.01E+08	1084	0.377096251	0.822260829	0.194912141		0.186742494
HIST1H2AC	8969	498	0.820827984	-	0.424266589		1.625934642
CA12	771	3992	0.10239788	0.055819811	0.688051578		0.202834532
ANG	283	1222	0.167255457	0.364701612	-		1.65653734
XCL1	6375	1367	0.149514388	-	-	-	
SCARNA15	677778	127	1.609339906	-	-		1.593928055
FRMPD2P1	728798	1947	0.104974919	-	-	-	
NPFF	8620	592	0.345246905	3.011252497	2.141399608		2.393584528
TNFRSF19	55504	4523	0.045188187	0.098533135	-	-	
MYOZ2	51778	2616	0.078129269	0.08518069	-		0.154762128
SLC46A2	57864	2518	0.081170043	0.26548771	-		0.562749023
RNF224	643596	1514	0.134997469	-	-		0.133704665
SNHG9	735301	345	0.592423675	3.875351039	4.899356785	-	
LRRC72	1.01E+08	937	0.218128248	-	-	-	
CYP2B7P1	1556	3000	0.068128723	0.297110246	0.211284761		0.269905151
TTC25	83538	2298	0.088940891	0.290904288	0.45971445		0.176178297
TDH	157739	1357	0.150616189	-	-	-	
HSP90AA4	3323	1257	0.162598383	-	0.504259574	-	
C6orf165	154313	2215	0.092273665	-	-	-	
FRMD4B	23150	5261	0.0388493	0.296489031	0.080321141		0.731067933
FPR2	2358	2019	0.101231386	0.882942783	-		7.519645726
SP6	80320	3794	0.053870893	0.176198749	-	-	
LRP1	4035	14905	0.013712591	0.044850591	0.014175428		0.040743817
PLIN4	729359	6353	0.032171599	1.403007617	0.033257479		2.740261642
ZNF860	344787	3210	0.063671703	-	0.197462394	-	
SPATA3	130560	921	0.221917663	-	0.229407993	-	
GGT3P	2679	2036	0.100386134	-	0.103774441		0.198849571
MC4R	4160	1438	0.142132245	-	-	-	
SAMD12	401474	8884	0.023006097	-	0.023782616		0.068357338
HNMT	3176	3373	0.060594773	1.32127296	0.250560049		0.720173838
C1QTNF7	114905	4530	0.045118359	0.098380876	-		0.13405885
S1PR1	1901	3050	0.067011858	-	-	-	
AXL	558	4743	0.043092171	0.281888279	0.1781866		0.512153986
CHST3	9469	6978	0.029290079	0.031933603	-	-	
LOC338963	338963	1381	0.147998673	0.161356035	-	-	
LOC647859	647859	578	0.353609287	0.771047352	0.36554457		0.350222946
LAIR2	3904	702	0.291148388	1.269701907	1.203901774		1.153440815
CILP	8483	4484	0.045581215	-	0.047119706	-	
TEX12	56158	1144	0.178659238	0.779135261	0.55406843		0.353896614
SCARNA20	677681	130	1.572201293	3.42819515	-	-	
KCNE2	9992	809	0.252640504	1.101768528	0.261167814		1.000884366
POLR2J2	246721	1714	0.119245139	0.130007401	0.493079957		0.118103187
CA9	768	1561	0.130932843	0.142749958	0.406056556	-	
KRTAP5-10	387273	1058	0.193181633	-	-	-	
TAS1R3	83756	2559	0.079869546	-	-		0.15820935
MNX1	3110	2176	0.093927467	-	-	-	
TAS2R46	259292	930	0.219770073	0.239605037	1.135939577		0.217665444
UGT2B15	7366	2144	0.095329369	-	-		0.094416447
LOC115110	115110	2216	0.092232025	0.905006391	-		2.009672827
GDAP1L1	78997	2244	0.09108118	0.099301553	-	-	
KCNK12	56660	1449	0.141053256	-	-	-	
EPHX3	79852	1810	0.112920535	-	-		0.559195754

LOC65434	654342	613	0.333419524	-	1.378693386	-
MFSD7	84179	1935	0.105625927	0.921272082	-	0.209228799
GRAMD3	65983	2977	0.068655078	-	-	-
S100A3	6274	738	0.276946027	-	0.572587429	-
KLHL1	57626	4159	0.049143104	-	-	-
NRTN	4902	1141	0.179128982	-	0.370350151	-
FBXW4P1	26226	2256	0.090596706	0.098773353	0.187309186	-
CD8A	925	3177	0.064333071	-	-	-
PRR16	51334	1798	0.113674176	0.12393364	-	-
RBP1	5947	1487	0.137448667	0.89912314	0.710439682	0.816794336
KRT85	3891	2491	0.082049847	-	-	-
ZNF559-ZN	1.01E+08	2856	0.071563784	-	-	-
ADAM21P	145241	2049	0.099749228	-	-	-
MANSC4	1E+08	1095	0.186654035	0.814000675	-	0.554599625
KCNQ1DN	55539	1109	0.184297717	-	-	-
OOEP	441161	689	0.296641753	-	0.306654225	-
SCARNA7	677767	330	0.619352024	2.025751679	1.280513705	1.226841594
THSD7B	80731	5846	0.034961712	-	-	-
OMD	4958	2542	0.080403685	-	0.24935259	0.238901097
IL36G	56300	1180	0.173208617	-	0.179054883	0.171549884
PGF	5228	1911	0.106952469	-	0.552812039	0.423712952
LOC10024	1E+08	502	0.407143761	-	0.420885979	-
HOXD10	3236	1814	0.112671537	-	0.11647451	-
KIT	3815	5190	0.039380765	0.042935007	-	-
KCNC1	3746	6807	0.03002588	0.032735814	-	-
JPH3	57338	3997	0.051134893	0.111499967	-	0.0506452
C4orf36	132989	922	0.221676972	-	-	0.219554081
PRKCG	5582	3143	0.065029007	0.070898086	-	0.064406256
HAPLN3	145864	1893	0.10796945	0.117714044	-	0.855483837
SLC12A7	10723	5316	0.03844736	-	0.079490128	0.114237507
SP5	389058	1963	0.104119291	-	-	-
FXYD6	53826	2229	0.091694109	2.599214806	0.094789036	28.87948785
LOC64939	649395	1828	0.111808626	-	-	0.11073789
SAMD13	148418	1580	0.129358334	1.269300103	0.53489813	-
SLX1B-SUL	1.01E+08	2214	0.092315342	0.100647102	-	0.091431284
PHOX2A	401	1716	0.119106159	-	-	-
SAMD14	201191	1893	0.10796945	-	-	0.10693548
KLK7	5650	2104	0.097141715	0.529545353	0.200841028	0.865902931
HOMER2	9455	2005	0.101938238	0.333415488	0.210757867	0.403848106
MAOA	4128	4090	0.049972168	-	-	-
TANC1	85461	7517	0.027189859	0.059287664	0.112430364	0.026929475
SCARNA8	677776	131	1.560199756	3.402025721	6.451443095	-
PRG3	10394	886	0.230684163	0.503008318	0.476940771	1.599325102
CD226	10666	2664	0.076721535	-	0.079311097	0.455920863
HIST1H2BL	8340	453	0.451183594	0.491904381	0.932824553	0.446862832
SSPO	23145	15580	0.013118496	-	-	0.051971467
SLC22A14	9389	1977	0.103381977	0.112712537	-	0.204783878
MYBPC1	4604	3938	0.051901008	-	-	-
GRM5	2915	7927	0.025783546	0.028110595	-	-
IFITM4P	340198	342	0.597620374	0.651557558	-	-
UPP2	151531	2413	0.0847021	-	-	-
DNAH12	201625	9542	0.021419636	0.046705656	0.044285215	0.190930598
IGSF11	152404	3577	0.05713899	0.06229597	0.059067588	-
CIB2	10518	1580	0.129358334	-	-	0.128119534
CXCR3	2833	1914	0.106784832	0.11642251	0.110389113	0.105762206
IGLON5	402665	3100	0.065931022	0.071881511	0.068156375	0.130599266
GSTO2	119391	1546	0.132203213	0.288269967	-	0.130937169
C4A	720	5426	0.037667926	-	-	0.037307199
OLR1	4973	2533	0.080689368	1.319577683	-	13.26616315
TPSB2	64499	1165	0.175438771	-	1.632242792	-
FLJ16341	400957	1705	0.119874585	-	-	-
RHCE	6006	1618	0.126320252	0.413163198	0.261167814	0.625552729

FBXL2	25827	3000	0.068128723	-	-	0.202428863
MGC16025	85009	2127	0.096091287	-	0.198669263	-
ODF3L1	161753	1249	0.163639846	-	-	-
ALOX12B	242	2502	0.081689116	-	-	-
EXT1	2131	3376	0.060540927	-	-	1.07930081
C17orf78	284099	1895	0.107855498	0.117589807	-	0.213645238
FEZ1	9638	1836	0.111321442	0.242737129	0.460315384	0.661532232
COL25A1	84570	2681	0.07623505	-	-	-
KRTAP3-2	83897	749	0.272878729	-	-	-
GOS2	50486	978	0.208983812	1.822762247	-	15.93765076
DOC2GP	390213	434	0.470935871	-	-	-
FAM184A	79632	4057	0.050378646	0.164776449	-	0.09979239
RRAS2	22800	2360	0.086604308	0.094420629	0.089527441	0.343099768
ABHD11-A	171022	473	0.432106064	-	0.446690827	1.283903993
KDM5D	8284	5595	0.036530146	0.039827111	0.037763139	-
C4orf40	401137	4814	0.04245662	-	0.043889647	-
GRPR	2925	2681	0.07623505	0.166231022	-	0.151009969
PCDHGB5	56101	4578	0.044645297	0.04867468	-	0.044217751
ACSM2A	123876	2969	0.06884007	0.07505311	-	-
KCNK7	10089	1577	0.129604419	0.282603278	0.133978923	0.256726522
DYDC2	84332	1842	0.110958832	-	-	-
DUOX1	53905	5693	0.035901312	0.039141522	-	0.142230011
LOC100133	1E+08	2024	0.100981308	-	-	-
RAET1G	353091	1144	0.178659238	-	-	-
CACNA1G	8913	7834	0.026089631	-	-	-
GC	2638	2024	0.100981308	-	0.104389704	-
FSIP1	161835	2813	0.072657721	0.316861265	0.075110118	-
CABP7	164633	3001	0.068106021	-	-	0.067453803
CASP5	838	1488	0.137356296	-	-	0.408122708
MFI2	4241	1696	0.120510712	-	-	-
PEX11G	92960	1143	0.178815545	0.58486269	0.18485106	0.885515586
TCTE3	6991	747	0.273609328	0.29830346	0.282844393	0.541978214
HOXD9	3235	1902	0.107458553	-	-	-
FBXW10	10517	3449	0.059259544	-	-	-
RRAD	6236	1476	0.138473014	-	-	0.274293852
PRR25	388199	1209	0.169053902	-	-	-
TCTE1	202500	1686	0.121225485	-	-	0.600322844
RNY4P8	1E+08	95	2.151433348	-	-	-
KGFLP2	654466	4723	0.043274649	0.094360654	0.089470574	0.171440917
SRCIN1	80725	7050	0.028990946	0.600541987	0.02996947	1.579232264
UCA1	652995	1441	0.141836341	0.463912598	-	-
SLC9A7	84679	2200	0.092902804	1.721888928	-	3.680524781
HOXA2	3199	1791	0.114118463	0.497672104	-	1.921435327
P2RY12	64805	1502	0.136076011	0.148357313	-	-
CD27	939	1320	0.154838006	0.50643792	0.320128426	0.766775996
COL19A1	1310	8725	0.023425349	-	-	-
MYLK-AS1	1.01E+08	771	0.265092306	0.289017749	0.274039898	0.262553648
TAS2R3	50831	1101	0.185636847	-	0.383805198	-
ADAMTSL5	339366	2867	0.071289211	0.310893177	0.884345007	0.494245567
KCNN1	3780	2657	0.076923661	-	-	0.076187001
TUBA3C	7278	1564	0.130681693	-	-	-
RFTN2	130132	3131	0.06527824	0.213509439	0.067481559	0.064653102
HIST1H4L	8368	364	0.561500462	-	-	-
RPS10-NU	1.01E+08	2529	0.08081699	-	-	-
CCDC89	220388	2428	0.084178817	-	-	-
C2orf54	79919	2525	0.080945017	-	-	-
EPB49	2039	2825	0.072349086	-	0.37395533	-
LOC100133	1E+08	701	0.29156372	-	-	-
LENEP	55891	671	0.304599356	-	0.314880419	-
CRMP1	1400	3155	0.06478167	-	-	-
TMPRSS11	644759	5897	0.034659347	-	-	-
LIP1	149998	1636	0.124930421	-	-	-

GOLGA6L1	647042	3548	0.057606023	0.125610307	-	-
JPH4	84502	4404	0.046409212	-	-	-
HNRNPA3F	10151	3006	0.067992737	0.074129303	0.140575357	0.067341604
PDZD9	255762	1341	0.15241325	0.664676166	0.630230459	0.301907327
AK8	158067	2185	0.09354058	0.101982922	-	0.092644789
VCX	26609	976	0.209412057	0.228312177	0.216480288	-
PTGER1	5731	1458	0.140182557	-	0.289828205	0.138840098
TAS2R13	50838	1637	0.124854104	0.272245186	0.129068272	-
PABPC3	5042	2430	0.084109534	0.366802773	0.260845384	0.249912176
TEKT5	146279	1609	0.127026829	-	0.393942998	-
UQCRHL	440567	538	0.379899941	-	-	-
C8orf46	254778	3471	0.058883944	-	-	0.058320041
LOC39975	399753	2141	0.095462946	0.104078788	0.296055247	0.283646235
LOC15019	150197	2206	0.092650122	-	0.191554634	-
MEIS3	56917	2174	0.094013877	-	0.097187103	0.186227105
GFRA1	2674	9580	0.021334673	-	0.044109554	0.021130361
LOC28559	285593	1781	0.114759218	-	-	-
tAKR	389932	1408	0.145160631	0.47478555	-	0.287540999
FSD2	123722	2493	0.081984022	0.268150042	0.169502416	0.081198902
CA7	766	1715	0.119175608	-	-	-
NOXO1	124056	1587	0.128787756	0.14041127	0.133134695	0.127554419
MARCKS	4082	4304	0.047487493	0.31064036	-	2.398669147
CCDC42B	387885	1514	0.134997469	0.29436286	0.139554004	0.133704665
CD80	941	2757	0.074133539	0.080824333	0.153271499	2.643249571
LAG3	3902	1995	0.102449207	0.335086744	0.211814297	11.7702998
MGC16275	85001	2501	0.081721779	-	0.168960225	0.08093917
LOC64874	648740	1988	0.102809944	0.112088876	-	0.101825384
ARHGAP44	9912	4273	0.047832007	0.156447005	-	-
HHIPL2	79802	2582	0.079158082	-	0.081829884	-
LIPC	3990	1614	0.126633314	0.276124764	0.130907535	1.003364872
ALDH2	217	2076	0.098451911	0.107337517	0.712424533	0.097509086
LOC38659	386597	2348	0.08704692	0.189806375	0.179969984	0.172426629
DEFA3	1668	501	0.407956423	59.15518377	4.217260706	52.93050109
PCDHGB4	8641	4578	0.044645297	0.09734936	0.092304396	0.132653252
C19orf34	255193	1313	0.155663494	0.339425262	0.160917564	0.616691129
TMEM92	162461	2782	0.07346735	0.720882158	0.151894149	1.018693056
RHO	6010	2768	0.073838934	-	0.0763312	-
PYGO1	26108	1260	0.162211244	-	-	-
ZBTB32	27033	1960	0.104278657	0.113690145	0.107798348	0.309840096
PRDM6	93166	3027	0.067521033	-	0.069800053	-
WDR86	349136	2056	0.099409615	-	-	-
ODF3B	440836	970	0.21070739	0.459448835	1.089096708	15.02564756
CCL1	6346	542	0.377096251	-	0.779648566	0.373484987
DNAH7	56171	12408	0.016472128	0.035917583	0.051084323	0.032628766
GTF2IP1	2970	3638	0.056180915	0.061251425	-	0.055642898
COLEC11	78989	1399	0.146094473	-	-	0.144695399
LOC91450	91450	1016	0.201167488	0.877294034	0.207957442	0.597723021
FAM159B	1E+08	967	0.211361084	-	-	-
FABP2	2169	2271	0.089998313	-	0.093036002	-
GPR37L1	9283	2459	0.083117596	0.271857688	0.34369217	0.493929718
PKLR	5313	3053	0.06694601	-	-	-
GPC1	2817	3686	0.055449313	0.120907588	0.114641759	-
C15orf48	84419	929	0.220006639	0.479725909	-	0.217899745
NPAS4	266743	3302	0.061897689	-	-	-
PDGFRL	5157	1923	0.106285059	-	-	0.105267219
DDX11L9	1E+08	1652	0.123720441	-	0.127896345	-
CD36	948	4727	0.04323803	2.40416055	2.637148492	9.721039114
ANXA2P1	303	1343	0.152186276	-	0.157322979	-
CCDC3	83643	2753	0.074241252	-	-	0.073530281
GPR172B	55065	2429	0.084144161	0.275215337	0.086984257	0.500030127
ANXA2P2	304	1310	0.156019976	0.170101286	0.322572155	0.15452585
ROBO1	6091	7550	0.027071016	-	-	-

GCGR	2642	2051	0.099651959	-	-	-	-
TM7SF4	81501	1952	0.104706029	8.904174903	0.432960577	55.37756804	
FCRLA	84824	2375	0.086057334	0.187648577	0.088962005	0.596632438	
IGSF6	10261	1058	0.193181633	0.631850713	-	9.757913054	
GABRB1	2560	2226	0.091817686	-	-	-	
LOC10050	1.01E+08	2425	0.084282956	2.572913473	1.30691605	5.008549187	
LINC00242	401288	2418	0.084526951	-	-	-	
HIST1H2AM	8336	487	0.419684123	0.915123962	3.470796901	0.831330033	
ZDHHC22	283576	3408	0.059972467	-	0.061996702	0.178194422	
TNFRSF8	943	3686	0.055449313	1.81361382	0.114641759	7.413970835	
NES	10763	5591	0.036556281	-	-	-	
C2orf82	389084	480	0.425804517	0.92846952	-	0.421726798	
SPANXA2-0	619455	1713	0.119314751	0.130083295	0.370025852	0.118172132	
OR10P1	121130	942	0.216970454	-	-	-	
NFIB	4781	8507	0.024025646	0.078582115	-	0.071386692	
TGM4	7047	3027	0.067521033	0.073615026	0.069800053	0.066874418	
CHIT1	1118	2325	0.087908029	-	-	-	
ZFP2	80108	2405	0.084983854	-	0.087852292	-	
MAGEA1	4100	1755	0.116459355	-	-	-	
LINC00161	118421	880	0.232257009	-	-	-	
SCUBE3	222663	5115	0.039958195	0.043564552	0.041306894	0.039575535	
SRL	6345	4219	0.048444221	0.158449408	0.100158692	0.143940884	
CDKN2B-A	1E+08	3857	0.052990969	-	-	0.104967002	
GDF6	392255	3716	0.05500166	-	0.056858117	-	
GPR63	81491	2198	0.092987338	0.304139242	0.19225183	0.184193688	
ACTR3C	653857	1298	0.157462379	-	-	-	
LOC14448	144481	574	0.356073463	0.776420504	1.472367675	1.763317622	
LOC14474	144742	2291	0.089212644	0.194528751	0.276671447	-	
PDIA2	64714	1726	0.118416088	-	0.122412956	-	
C19orf21	126353	2907	0.070308279	-	-	0.696349718	
MPZL3	196264	983	0.207920822	0.453372705	-	1.441507671	
ABCC13	150000	2839	0.07199231	0.07848985	0.074422248	0.142605751	
CHRNE	1145	2460	0.083083808	0.181164784	0.085888114	0.246864467	
KCNS1	3787	4556	0.04486088	-	-	0.088862539	
BTNL8	79908	2239	0.091284577	0.398093229	-	0.542462339	
LAMP3	27074	3341	0.061175148	0.200089211	0.063239976	0.18176791	
GOLGA6L6	727832	4091	0.049959953	-	-	-	
LDHAL6B	92483	1680	0.121658433	-	-	-	
CYR61	3491	2295	0.089057154	0.097094852	0.092063077	-	
FONG	348751	966	0.211579884	0.230675657	0.43744257	0.838214753	
RGS13	6003	1578	0.129522286	0.141212094	0.401682056	3.848457471	
GATA1	2623	1501	0.136166668	0.59382461	4.926693303	5.529369341	
SCRT2	85508	3594	0.056868717	0.062001303	0.058788192	-	
B3GNT4	79369	1554	0.131522631	0.286785952	0.27192376	-	
KCTD17	79734	1704	0.119944934	-	-	0.118796281	
LOC40075	400752	1740	0.117463315	0.128064761	-	0.116338427	
LILRB4	11006	2097	0.097465984	-	-	-	
ROBO3	64221	4554	0.044880581	-	-	-	
HCG4	54435	2083	0.09812106	0.106976805	-	-	
SLC6A12	6539	3500	0.058396048	0.063666481	-	1.677267722	
IGSF5	150084	2066	0.098928445	0.431428238	-	-	
RPGRIP1	57096	3950	0.051743334	0.112826676	0.320938878	0.30748688	
C2orf66	401027	1386	0.147464768	0.321547886	0.152442108	0.730262853	
FARP1	10160	5028	0.040649596	0.132955062	0.042021631	0.08052063	
LY6G5C	80741	738	0.276946027	0.603882614	-	-	
SLC4A11	83959	3268	0.062541667	0.272745024	0.193957859	0.247770946	
LOC38858	388588	555	0.368263366	1.204500999	1.142079791	0.72947338	
DNASE2B	58511	1279	0.159801539	0.174224148	-	-	
TMPRSS4	56649	3549	0.057589791	1.44411151	0.535802438	4.220832871	
HIST1H3F	8968	466	0.438596927	-	-	-	
DFNA5	1687	2521	0.08107345	-	0.083809901	-	
PSD2	84249	4527	0.045148259	0.246115181	0.046672136	0.223579482	

TPTE2	93492	1974	0.103539092	0.225767664	0.214067641	0.10254755
TRIM46	80128	3142	0.065049703	1.631174968	0.268981237	2.834777202
SP7	121340	3010	0.067902381	-	-	-
MORC4	79710	3847	0.053128715	0.11584751	-	0.105239856
TMEM74	157753	2087	0.097932999	0.213543541	-	-
TIPARP-AS	1E+08	2556	0.07996329	-	-	-
FSCN3	29999	1911	0.106952469	-	0.110562408	-
TNFRSF100	8794	1512	0.135176037	2.652770056	0.978170191	2.008222847
ATP10B	23120	7582	0.026956762	-	-	-
SMPDL3A	10924	2210	0.092482429	0.302487807	-	0.457983853
TMPRSS7	344805	2622	0.077950484	-	0.080581526	-
PCDHA2	56146	5360	0.038131748	-	-	-
SAG	6295	1767	0.11566846	-	-	-
EPO	2056	1340	0.152526991	-	-	-
SLC10A4	201780	2118	0.096499607	-	-	-
LOC100133	1E+08	4370	0.04677029	-	-	0.046322394
MOBP	4336	3077	0.066423844	0.144837624	-	0.131575472
SLFN12L	1.01E+08	1767	0.11566846	-	-	1.1456076
CCDC64B	146439	1811	0.112858182	-	-	-
RNLS	55328	2420	0.084457094	0.092079622	-	0.167296581
CHRM4	1132	1468	0.139227635	0.303586764	0.143926949	0.689471604
KCNK3	3777	3978	0.051379127	0.168048782	0.106226627	-
EDAR	10913	4226	0.048363977	0.052728984	-	-
ZNF385D	79750	1812	0.112795898	0.491904381	0.116603069	0.782009956
FAM65C	140876	4292	0.047620263	0.103836293	0.098455154	0.188656909
SLC47A2	146802	2355	0.086788182	0.283863293	0.089717521	0.257871163
ANKRD20A	728747	3517	0.058113781	0.063358739	-	-
FBXO25	26260	2529	0.08081699	0.440554932	0.250634355	0.560301321
MUC6	4588	8003	0.025538694	0.055687288	-	0.025294123
ASGR1	432	1519	0.134553106	-	0.139094642	-
LCN6	158062	738	0.276946027	-	0.286293715	-
ANKRD7	56311	1358	0.150505278	-	-	-
LOC391322	391322	563	0.363030494	0.395795177	0.375283768	-
PFN4	375189	792	0.258063343	-	-	0.255591999
RCVRN	5957	1217	0.16794262	-	0.694444573	0.166334316
TP63	8626	4927	0.041482884	-	-	0.041085623
ARHGAP22	58504	2775	0.073652673	-	0.076138653	0.072947338
MEGF11	84465	5914	0.034559717	0.075357688	0.035726202	0.034228756
CYP2D6	1565	1673	0.122167464	0.266386951	0.126290951	-
CPO	130749	1209	0.169053902	-	-	0.334869914
BK250D10	339674	1506	0.135714587	-	0.420885979	-
PRR23C	389152	2791	0.073230444	0.159679459	0.302808687	0.290116608
HIST1H2BN	8341	449	0.455203047	-	0.470567397	0.901687586
SALL4	57167	3487	0.058613756	-	-	-
LMO3	55885	3727	0.054839326	-	0.056690304	-
C14orf19	280655	575	0.355454205	-	-	-
MYOZ1	58529	1661	0.123050071	-	-	0.121871681
SLC4A9	83697	3293	0.062066859	0.135337191	0.064161786	0.184417428
NGFR	4804	3420	0.059762037	0.521246046	0.06177917	0.710276712
COL6A6	131873	8475	0.024116362	-	-	-
SLC5A2	6524	2279	0.089682391	0.195553036	0.092709417	0.088823547
ABCA17P	650655	4188	0.04880281	-	0.050450039	0.096670899
ANP32D	23519	396	0.516126687	-	-	-
LOC100505	1.01E+08	2206	0.092650122	-	-	0.091762857
C14orf182	283551	2686	0.076093138	0.165921582	0.314645959	-
BMP10	27302	1584	0.129031672	-	0.266773689	-
STH	246744	445	0.45929476	-	-	-
ASPN	54829	2541	0.080435328	-	0.083150241	0.159330077
METTL21C	121952	2312	0.088402322	0.096380919	0.36554457	0.175111473
NRADDP	1E+08	1012	0.201962617	-	-	0.600085562
ZNF98	148198	2260	0.090436358	-	-	0.179140587
HSPA2	3306	2802	0.072942958	0.079526297	-	0.144488839

RGPD3	653489	5873	0.034800982	-	-	-	-
SCGB3A1	92304	517	0.395331079	0.862021991	0.408674587	0.783090379	
RPP25	54913	2333	0.087606587	0.191026734	0.271690649	2.429493426	
GYPE	2996	1783	0.114630492	0.249952535	-	-	
GJA3	2700	5219	0.039161941	0.042696433	-	0.038786906	
TBC1D12	23232	5749	0.035551603	0.31008201	-	0.176055717	
ERG	2078	5114	0.039966009	-	0.041314971	-	
RFPL3	10738	1488	0.137356296	-	-	-	
IAH1	285148	951	0.214917106	0.234314074	-	0.638576855	
MEF2BNB	4207	1978	0.103329711	-	-	0.204680347	
HLF	3131	5607	0.036451965	-	-	0.036102883	
APLN	8862	3238	0.063121114	0.068818	0.522012999	0.500133077	
SCGB1A1	7356	452	0.452181788	-	-	-	
DBNDD2	55861	1538	0.132890876	-	-	-	
FKSG43	83957	1800	0.113547871	-	-	-	
LOC65350	653501	4028	0.050741353	-	-	-	
PCDHB14	56122	2793	0.073178005	0.159565116	-	-	
DNAI1	27019	2548	0.080214352	-	-	-	
RRH	10692	1558	0.13118496	0.14302483	0.135612812	-	
LOC10030	1E+08	1667	0.122607179	-	-	0.971464249	
LAMA5	3911	11426	0.017887814	0.019502248	0.018491577	0.053149535	
C1orf116	79098	5502	0.037147613	-	0.038401447	0.036791869	
LOC10030	1E+08	2328	0.087794746	-	0.272274177	-	
GOLGA8F	1E+08	4511	0.045308395	-	0.046837677	-	
FLJ32063	150538	3397	0.060166667	0.131193809	0.124394914	-	
OXCT2	64064	1824	0.11205382	-	0.115835944	-	
SERPINF2	5345	2296	0.089018366	0.291157689	0.276068939	1.939649384	
LAMB2	3913	5817	0.03513601	-	-	0.034799529	
VCAN	1462	12416	0.016461515	0.01794722	0.017017136	-	
IL34	146433	1779	0.114888234	0.250514542	-	0.455152025	
NT5E	4907	4086	0.050021089	0.054535655	-	0.099084123	
LOC28464	284648	1504	0.135895059	-	0.280963778	0.134593659	
ZNF563	147837	2786	0.073361869	0.079983017	0.075838034	0.072659319	
PMCHL2	5370	1842	0.110958832	-	-	-	
HPX	3263	1635	0.125006831	-	-	-	
OLFM2	93145	1899	0.107628314	-	-	0.426390443	
KIAA2022	340533	11727	0.017428683	-	-	-	
MYT1	4661	5550	0.036826337	-	-	-	
UNC13C	440279	8140	0.025108866	-	-	-	
PACS1	55690	4488	0.04554059	-	-	0.180417881	
PAPSS2	9060	3874	0.052758433	0.115040106	0.054539174	0.156759574	
FAM109B	150368	2369	0.086275293	-	0.17837464	-	
CR2	1380	4184	0.048849467	0.05325829	0.05049827	0.048381659	
C6orf218	221718	3018	0.067722388	0.073834554	-	0.201221534	
LOC40216	402160	2115	0.096636486	0.105358243	-	-	
C4orf49	84709	1339	0.152640902	-	-	-	
MKX	283078	3658	0.055873747	-	-	-	
C5orf58	133874	524	0.390049939	0.425253215	-	-	
GAL3ST2	64090	1449	0.141053256	-	0.14581419	-	
OTOP1	133060	1869	0.109355895	-	-	-	
PCDHGA1	56114	4602	0.044412466	-	-	0.04398715	
GCM1	8521	2780	0.073520204	0.40077821	0.076001713	0.218448413	
LAMA4	3910	7287	0.028048054	-	-	0.027779451	
NUDT16P1	152195	2363	0.086494358	-	-	0.085666044	
SLC47A1	55244	3279	0.06233186	0.271830052	0.193307192	0.246939754	
LOC64136	641365	2017	0.101331764	-	-	-	
LOC28475	284751	2278	0.089721759	0.391277761	0.092750115	1.332938079	
PAR-SN	347746	1797	0.113737434	0.372007821	0.235152767	0.225296453	
P2RX6	9127	2754	0.074214295	-	-	0.147007163	
PDE2A	5138	4327	0.047235075	-	0.097658776	0.093565455	
NR2E1	7101	3271	0.062484307	-	-	0.061885926	
KCNK6	9424	2671	0.076520467	-	-	0.075787669	

RASD1	51655	1814	0.112671537	0.12284051	0.46589804	0.669555225
LOC100130	1E+08	3236	0.063160126	-	0.065291953	0.062555273
DNASE1L2	1775	1365	0.149733456	0.81623694	0.154787371	0.593198133
SPDYC	387778	882	0.231730349	-	-	0.229511182
SLX1A-SUL	1.01E+08	2218	0.092148858	0.100465593	0.476295675	0.182532789
LOXL1	4016	2361	0.086567627	0.283141912	0.089489522	-
CYP1A1	1543	2608	0.078368929	0.854419803	0.567098669	2.018079155
ACADL	33	2565	0.079682717	-	-	-
TMC4	147798	2494	0.081951115	0.536085047	0.254151678	0.649330755
NOTCH4	4855	6762	0.030225698	0.098860996	0.124983591	0.179617447
DCST2	127579	2421	0.084422209	0.092041588	0.17454338	0.083613739
GOLGA7B	401647	2894	0.070624108	0.153996327	0.219023595	0.349738879
TTBK1	84630	7128	0.028673705	-	0.029641521	0.141995555
MAP7D2	256714	4158	0.049154923	0.107182629	0.050814036	0.146052571
FAM18B2	1.01E+08	2781	0.073493768	-	-	-
SPRED3	399473	1323	0.1544869	-	-	-
PNPLA5	150379	2550	0.080151438	0.174770733	-	-
MT1IP	644314	2005	0.101938238	-	0.210757867	0.403848106
GRID1	2894	5849	0.03494378	-	0.036123228	-
SCN1B	6324	1463	0.139703464	0.152312156	0.144418839	0.138365593
SSR4P1	728039	2274	0.089879581	0.097991506	0.278739791	0.178037698
CHRNA2	1135	4083	0.050057842	0.054575725	-	-
IRF6	3664	4505	0.045368739	0.247317075	0.281400348	0.179737059
LRRN3	54674	3744	0.054590323	-	0.056432896	0.054067538
HIST2H2BA	337875	515	0.396866346	0.432684825	1.230785018	0.393065753
EGFL8	80864	1335	0.153098253	-	0.158265739	-
GPC5	2262	2904	0.070380912	-	-	-
TPI1P3	728402	1214	0.168357634	0.734209834	0.348080332	0.50023607
CXCL3	2921	1166	0.175288309	0.573325947	2.536866774	3.29858353
FOXI1	2299	2296	0.089018366	-	-	-
INHBC	3626	1990	0.102706617	-	-	0.203446093
LRRC25	126364	2430	0.084109534	16.59782549	1.478123845	67.22637548
LRRIQ4	344657	1825	0.111992421	-	-	0.110919925
AKAP14	158798	855	0.23904815	0.521246046	0.49423336	0.236758904
PSPN	5623	471	0.433940909	0.473105488	0.448587604	-
BMP2	650	3150	0.064884498	0.495183744	-	0.321315655
C3orf49	132200	1289	0.158561806	-	0.327827403	-
MYCL1	4610	3624	0.056397949	-	0.408110742	0.111715708
LOC100130	1E+08	1789	0.114246041	-	-	-
WNT6	7475	1700	0.120227158	-	-	-
GALNT9	50614	2680	0.076263496	-	-	-
WBSCR27	155368	958	0.213346731	-	-	-
RHBDL3	162494	4688	0.043597732	0.998183955	-	0.172720873
PRR5	55615	2574	0.079404106	-	0.164168424	0.078643692
C6orf58	352999	1200	0.170321807	0.185693904	-	0.168690719
GJC3	349149	1131	0.180712792	0.19702271	-	-
TOX	9760	4131	0.049476197	-	-	-
RFPL2	10739	2410	0.084807539	-	0.087670025	-
SLC26A11	284129	2930	0.069756371	-	0.721108401	0.82906019
LOC158571	158572	2304	0.088709274	-	-	0.08785975
C1QA	712	1098	0.186144051	-	0.192426923	0.184361442
DRD4	1815	1378	0.148320877	0.323414637	-	0.146900481
CLEC4F	165530	2486	0.08221487	-	-	-
LOC113230	113230	1329	0.153789442	0.167669439	0.158980257	0.152316676
KY	339855	5718	0.035744346	0.272792724	0.184754076	0.283216318
BAIAP3	8938	4691	0.04356985	-	0.090080904	-
MLNR	2862	1239	0.164960588	-	-	0.163380842
LY6G6C	80740	880	0.232257009	-	0.24009632	0.230032799
C1orf172	126695	1803	0.11335894	-	0.234370229	-
PNMA5	114824	3218	0.063513415	-	0.131314333	0.125810356
CCDC157	550631	3023	0.067610376	0.51598703	0.489246884	0.602666148
C17orf110	1E+08	842	0.242738917	-	-	0.480828653



AKR1B15	441282	1625	0.125776103	0.137127806	0.390064175	0.373714824
ST18	9705	6330	0.032288494	-	-	-
ARPM1	84517	2017	0.101331764	-	-	-
ZSCAN5B	342933	1626	0.12569875	-	-	-
WDR49	151790	2672	0.076491829	0.083395466	-	-
YSK4	80122	4165	0.049072309	0.053501245	-	-
IGFN1	91156	11810	0.017306195	0.264153902	-	1.045568217
SERPINI2	5276	1445	0.141443715	-	0.146217828	-
LOC84989	84989	1335	0.153098253	0.166915869	0.158265739	0.151632107
KCNA6	3742	5982	0.034166862	0.037250532	-	0.067679326
ENDOD1	23052	4693	0.043551282	0.047481927	0.090042515	0.431342133
LOC10050	1.01E+08	10558	0.019358417	-	0.040023634	0.038346062
LOC44046	440461	1660	0.123124198	0.134236557	0.38183993	0.121945098
LOC28317	283177	2737	0.074675253	0.081414938	-	0.073960125
ZBTB7C	201501	4188	0.04880281	1.010941024	-	0.435019046
RPS26P11	441502	566	0.361106304	0.393697323	-	-
GABRR2	2570	1631	0.125313408	0.546493402	0.518172315	1.365246777
FGF1	2246	4072	0.050193067	-	-	-
RAG1	5896	6582	0.031052289	0.101564578	0.064200778	0.030754917
ZNF648	127665	3649	0.056011556	-	-	-
EPS8L3	79574	2332	0.087644154	0.191108649	-	0.08680483
NGEF	25791	3184	0.064191636	0.139970279	0.066358279	0.317884521
KIAA1199	57214	7080	0.028868103	0.157367715	0.059684961	0.085774942
UNC79	57578	8471	0.02412775	-	-	0.04779338
IRF4	3662	5332	0.03833199	-	0.039625799	-
ZNF233	353355	2806	0.072838976	0.635303449	0.150594983	0.072141434
B3GNT6	192134	2510	0.081428752	0.177555924	0.336708783	0.322595798
NHLRC4	283948	2065	0.098976353	0.323727871	0.511585379	0.294085515
KRT8P41	283102	1828	0.111808626	-	0.115582473	-
FPR1	2357	1371	0.149078168	0.812664788	0.154109965	7.825477561
PKP1	5317	5447	0.037522704	-	-	-
GNAL	2774	4027	0.050753953	0.055334662	0.209868151	0.100535815
TICAM2	353376	3074	0.066488669	-	0.137465687	0.06585194
BEND7	222389	2408	0.084877977	-	-	-
ZSCAN4	201516	2260	0.090436358	-	-	-
NRXN1	9378	9578	0.021339128	0.023265054	-	-
LOC10013	1E+08	1567	0.130431505	-	-	-
KLRF1	51348	1242	0.164562132	0.1794144	-	0.325972404
ADAM5P	255926	1718	0.118967502	-	-	-
SHISA4	149345	1653	0.123645595	0.134805012	0.51127589	0.367384506
SLC2A10	81031	4241	0.048192919	0.052542486	0.049819562	-
FAM164C	79696	2093	0.097652254	-	0.100948285	-
PPP1R2P3	153743	1991	0.102655032	-	-	0.203343911
C7orf10	79783	1745	0.117126744	-	-	-
CUX2	23316	6855	0.029815634	0.357572507	0.030821993	0.177180624
FAM150B	285016	1403	0.145677953	0.158825862	-	0.288565735
BCL7A	605	3714	0.055031278	-	0.056888735	-
SAMD15	161394	2025	0.100931441	0.110040832	0.313014461	0.099964871
ST8SIA5	29906	2627	0.07780212	0.084824014	0.321712617	-
KIAA1984	84960	1727	0.118347521	0.129028769	0.734052442	0.351642495
USH1G	124590	3561	0.057395723	-	-	-
DCST1	149095	2331	0.087681754	-	0.181282507	-
NOXA1	10811	1650	0.123870405	1.35050112	0.128051371	1.840262391
PAK6	56924	3961	0.051599638	0.168770021	-	0.102210989
RASD2	23551	3047	0.067077837	0.219395489	-	-
C12orf33	253128	2236	0.091407052	0.099656836	-	-
TGM7	116179	2312	0.088402322	-	-	-
EMX2	2018	2908	0.070284102	0.153254941	-	-
TMEM45A	55076	1564	0.130681693	0.284952282	0.135092558	0.647151096
TMEM217	221468	1590	0.12854476	-	0.132883498	-
TM4SF18	116441	3852	0.053059753	-	-	-
SCARNA6	677772	266	0.768369053	-	-	0.761010763

RAD21-AS1	644660	2010	0.101684661	0.332586097	0.31535039	0.201421754
GGTLC1	92086	994	0.205619887	-	0.212560122	-
C9orf172	389813	2931	0.069732572	0.152052327	0.360431186	0.414388665
HSP90AB4	664618	1518	0.134641744	-	0.139186272	-
SHROOM3	57619	11023	0.018541792	0.020215249	-	0.018364226
CCDC87	55231	2915	0.070115324	-	0.217445724	0.069443864
GSPT2	23708	2861	0.071438717	-	-	-
TSPAN5	10098	3406	0.060007683	-	-	-
ANKRD20A	729171	3670	0.055691054	0.182152058	0.05757078	0.055157728
C9orf116	138162	731	0.279598041	0.304832674	1.445176206	-
TTC39A	22996	2759	0.0740798	-	-	0.440222246
EPPK1	83481	15534	0.013157343	-	-	-
C8orf85	441376	1819	0.11236183	-	0.116154349	0.445143184
AIRE	326	2257	0.090556565	0.19745918	0.187226195	0.08968935
ABCG2	9429	4445	0.04598114	-	0.190132519	0.910816031
SLC24A2	25769	10919	0.018718396	0.020407792	0.038700387	0.037078279
FLJ37035	399821	2527	0.080880953	0.088180722	-	0.160212792
PC	5091	4192	0.048756242	-	0.050401899	-
GPR182	11318	1620	0.126164301	-	0.391268077	-
TEAD1	7003	9433	0.021667144	-	-	-
PVRL4	81607	3520	0.058064252	0.06330474	0.12004816	0.402557398
LOC28388	283888	2632	0.077654319	0.253988622	0.160550731	0.153821324
ZNF702P	79986	3015	0.067789774	0.221724064	0.070077864	0.335702924
PKD2L2	27039	2236	0.091407052	-	0.09449229	-
MESP2	145873	1614	0.126633314	0.276124764	0.130907535	-
SLC6A16	28968	2945	0.069401076	0.151329497	0.143487104	0.756101016
MTRNR2L3	1E+08	1383	0.147784648	0.161122693	0.152772785	0.292738775
SPAG8	26206	2010	0.101684661	-	0.525583983	-
LOC440419	440419	3083	0.066294573	0.072277874	0.068532196	-
ABRA	137735	2831	0.07219575	-	0.074632554	-
FLJ35024	401491	928	0.220243716	0.480242855	-	-
LOC100130	1E+08	934	0.218828874	0.477157783	0.226214948	1.300399548
LOC100134	1E+08	1210	0.168914188	0.736636974	0.349231011	-
KHDC1L	1E+08	652	0.313475718	-	0.648112765	-
ZAP70	7535	2450	0.083422926	-	-	-
ZNF705A	440077	3438	0.059449147	0.194443878	0.061455719	0.235519329
TMEFF1	8577	2501	0.081721779	-	-	-
SLC35G3	146861	1874	0.109064124	0.118907516	0.112745337	-
KLHL29	114818	5084	0.040201843	0.04383019	0.041558765	-
RAB41	347517	1077	0.189773601	-	-	0.187956233
RNF5P1	286140	1085	0.188374348	-	-	-
UOX	391051	1553	0.13160732	0.143485309	-	-
TPSD1	23430	855	0.23904815	-	-	-
IER3	8870	1254	0.162987375	0.533092547	0.673954582	2.421397882
SYNM	23336	7355	0.027788738	0.181780572	0.086180052	0.082567857
RYR1	6261	15391	0.01327959	-	0.041183437	-
PPP1R42	286187	1111	0.183965948	-	-	-
BDNF	627	4755	0.042983421	0.09372563	-	0.04257179
CHRN2	1141	5731	0.035663264	0.11664597	0.110600992	0.28257388
SYT7	9066	4609	0.044345014	-	-	-
C3orf80	401097	2606	0.078429074	-	-	-
LOC285375	285375	1050	0.194653493	0.212221605	0.201223582	0.771157573
PLEKHA7	144100	4820	0.042403769	0.138692542	0.087670025	0.587967652
TSNAX-DIS	1E+08	7682	0.026605854	-	0.055007748	-
CCDC37	348807	2086	0.097979946	-	-	-
PPEF1	5475	2873	0.07114033	0.155121952	-	0.211377163
BACH2	60468	9215	0.022179725	0.265996694	0.068785055	0.109836605
HIST2H2AC	8338	437	0.467702902	2.549573052	0.483489156	0.463223943
GPR111	222611	5135	0.039802564	0.086789751	-	0.039421395
HIST1H2BC	8347	438	0.466635087	-	0.4823853	1.848665415
RPL23AP32	56969	620	0.32965511	-	0.681563746	-
FHL2	2274	1907	0.107176805	0.116849861	0.110794316	0.106150426

AMACR	23600	3352	0.060974394	0.465342719	0.18909734	0.422733306
SGK3	23678	4483	0.045591383	-	-	-
PPP2R2B	5521	2008	0.10178594	-	-	-
SYCE1L	1E+08	877	0.233051503	0.254085159	-	-
FILIP1	27145	4629	0.044153417	-	-	-
PDPN	10630	2828	0.072272337	0.07879515	0.149423452	-
OR52B6	340980	1008	0.202764056	-	0.209607898	0.401644569
GPR62	118442	2206	0.092650122	-	-	-
PROP1	5626	1464	0.139608038	-	-	-
OSBPL10	114884	4231	0.048306823	0.052666671	0.049937311	0.047844212
CALB1	793	2531	0.080753128	0.176082722	0.166957536	0.399898979
FAM151A	338094	1998	0.102295379	-	0.211496258	0.101315747
GXYLT2	727936	1547	0.132117756	-	0.409731276	-
ALS2CR11	151254	5714	0.035769368	0.03899767	0.073953364	-
CSNK2A1P	283106	1584	0.129031672	-	0.400160533	-
CEP170P1	645455	1091	0.187338376	-	-	0.742177316
HOXC5	3222	1641	0.124549767	0.407372367	0.38626099	-
PKD1L1	168507	9075	0.022521892	-	-	0.022306211
TDGF1	6997	2174	0.094013877	0.20499787	0.485935514	1.676043944
FAM74A4	401508	1860	0.109885037	0.239605037	0.227187915	-
NTN5	126147	1898	0.10768502	0.117403943	-	0.106653774
AFAP1L1	134265	4223	0.048398335	-	-	0.047934848
SLC35D2	11046	1643	0.124398155	-	-	-
SYT12	91683	3632	0.056273725	-	0.058173117	-
NPTX2	4885	2738	0.07464798	-	0.077167553	-
KIAA1755	85449	6412	0.031875572	0.521286692	0.19770876	1.325953251
SLC3A1	6519	2353	0.08686195	0.094701523	-	0.086030116
HES7	84667	1699	0.120297921	-	0.124358306	-
TREML2P1	221438	213	0.959559474	-	-	2.851110746
RTN1	6252	3327	0.061432572	-	-	-
C15orf34	80072	2835	0.072093886	0.393002971	0.149054505	0.285613916
GSTM1	2944	1266	0.161442471	-	-	-
C1QTNF9	338872	1849	0.11053876	0.241030486	0.114269747	0.218960371
LOC28600	286002	3888	0.052568459	0.114625867	0.054342788	0.052065037
KIR3DL2	3812	1877	0.108889807	0.237434933	-	-
C20orf173	140873	2121	0.096363116	-	-	-
SEZ6L2	26470	3530	0.057899764	0.063125406	0.2992702	-
FKSG29	1E+08	608	0.336161461	-	-	0.332942209
RASSF6	166824	4323	0.04727878	0.051545844	0.097749138	0.140478045
COL4A4	1286	10341	0.019764642	-	-	-
CELA3B	23436	1055	0.193730965	0.42243163	-	-
DNAH11	8701	14188	0.014405566	0.09423429	0.074458966	-
CYP4F3	4051	2988	0.068402332	18.27108693	-	24.32127236
SLC8A2	6543	5111	0.039989467	-	0.041339222	0.079213016
ABCD2	225	5341	0.038267397	0.125163463	-	0.037900929
PXT1	222659	2121	0.096363116	-	-	0.095440294
AKAP3	10566	3027	0.067521033	0.073615026	-	0.401246507
TMEM52	339456	987	0.207078184	-	0.214067641	-
RACGAP1P	83956	2794	0.073151814	-	-	-
SCGBL	284402	441	0.463460699	-	-	-
ANKK1	255239	2543	0.080372068	-	0.16616969	-
FBP2	8789	1332	0.153443069	0.167291805	-	0.151973621
ERN2	10595	3634	0.056242754	0.122637691	0.232564404	0.11140829
CT45A5	441521	1338	0.152754984	-	-	0.151292125
GJA4	2701	1710	0.119524075	-	-	-
TMEM151	441151	4637	0.044077241	-	-	0.087310271
FOXA3	3171	2046	0.099895488	-	0.206534469	-
KRTAP5-9	3846	1188	0.172042229	0.3751392	0.355698251	1.363157326
CD96	10225	4481	0.045611731	0.049728338	0.141453757	0.04517493
AGXT	189	1611	0.12686913	-	-	-
TRIM54	57159	2073	0.098594389	-	-	-
COL28A1	340267	3515	0.058146847	0.063394789	-	-

LOC10013	1E+08	374	0.54648708	-	-	-	-
RPL13AP3	645683	1488	0.137356296	0.599012593	0.283984894	0.408122708	
ATP8A1	10396	8270	0.024714168	0.13472351	0.051096677	0.048954985	
RAB33A	9363	1128	0.181193411	0.395093413	-	-	
FAM183B	340286	1647	0.124096034	0.54118442	-	0.614538139	
LMAN1L	79748	1795	0.11386416	-	0.117707388	1.466058618	
FKBP10	60681	2888	0.070770834	-	-	-	
ENPP1	5167	7442	0.027463876	-	-	0.027200868	
MUC4	4585	17123	0.011936353	0.013013647	-	-	
ARID3C	138715	1239	0.164960588	0.359697635	0.341056919	0.490142525	
LOC84856	84856	2322	0.088021606	0.383863367	0.363970304	0.435893331	
MCOLN2	255231	3060	0.066792865	0.072821139	-	-	
LOC10013	1E+08	3352	0.060974394	0.066477531	-	-	
C17orf98	388381	566	0.361106304	-	-	-	
PYY2	23615	1071	0.190836758	-	-	-	
CCL7	6354	810	0.252328603	4.951837439	0.521690769	31.23902206	
ALDH7A1	501	4953	0.041265126	0.044989438	0.042657937	0.0817399	
TOP1P2	7152	1521	0.134376179	0.146504066	-	-	
SLAMF9	89886	1170	0.174689033	-	-	-	
LOC10049	1E+08	3218	0.063513415	0.138491414	0.196971499	-	
SLIT3	6586	5395	0.037884368	0.082607112	-	0.412737255	
SYNGR4	23546	1029	0.198626014	-	-	0.393447741	
CD40LG	959	1834	0.11144284	0.121500919	0.115204341	0.110375607	
MAGEA12	4111	1784	0.114566238	-	-	-	
LSAMP	4045	9478	0.021564272	0.023510517	-	0.042715523	
HIST1H3I	8354	477	0.428482533	-	0.885889985	-	
C6orf99	1E+08	654	0.312517077	0.34072276	0.323065384	-	
C1orf85	112770	1603	0.127502288	0.139009785	-	0.126281262	
TM6SF2	53345	1483	0.137819399	-	-	-	
SLC44A3	126969	2418	0.084526951	0.184311567	-	0.167434957	
TP53INP1	94241	5666	0.036072391	0.117984125	0.037289933	-	
PLCXD2	257068	2148	0.095151847	-	0.098363483	0.094240625	
ST6GALNA	81849	2048	0.099797934	-	-	-	
MSH4	4438	3219	0.063493684	-	-	0.062885636	
IFITM5	387733	733	0.278835154	-	0.288246605	-	
LOC10049	1E+08	2275	0.089840074	-	-	0.26693916	
HSPB9	94086	616	0.331795727	0.361741371	0.342994742	-	
RPL31P11	641311	1572	0.130016646	-	-	0.386314624	
GPR110	266977	1437	0.142231154	0.155067978	0.147031845	0.140869077	
MIER2	54531	2825	0.072349086	-	-	0.071656235	
LINC00238	440184	1164	0.175589491	0.191437014	-	-	
CCR3	1232	1796	0.113800762	4.466579427	0.117641849	8.453321114	
FGFBP2	83888	1188	0.172042229	-	-	-	
CMTM2	146225	1073	0.190481051	1.03836293	0.196910309	2.452539812	
CLVS1	157807	3506	0.058296112	-	-	-	
TCAP	8557	963	0.212239011	0.694182819	0.877610639	0.210206504	
CLEC4M	10332	2424	0.084317726	-	-	-	
GIPC3	126326	4317	0.047344491	0.154852456	0.048942497	-	
APOL3	80833	3654	0.055934912	1.768513371	0.057822868	4.376540825	
UBE2MP1	606551	961	0.212680716	-	-	0.210643978	
INHBA	3624	2175	0.093970652	0.102451809	-	1.489131865	
DMRTA2	63950	3114	0.065634608	-	-	-	
C17orf49	124944	913	0.223862177	0.244066467	0.231418139	0.443436721	
C5orf64	285668	2970	0.068816892	0.15005568	-	0.204473599	
EFCAB9	285588	712	0.287059225	0.312967254	-	0.852930602	
C6orf97	80129	5283	0.03868752	0.126537584	-	0.114951086	
SLC6A3	6531	3952	0.051717148	-	-	-	
LOC44092	440925	2129	0.096001018	-	-	-	
LOC34496	344967	1613	0.126711821	0.138147976	0.261977385	0.627491826	
HCG4B	80868	1060	0.19281714	-	-	-	
FMR1-AS1	1E+08	3026	0.067543347	-	0.06982312	0.066896518	
SCN3B	55800	6081	0.033610618	0.146576343	0.034745068	0.033288746	

ZC3H12C	85463	8807	0.023207241	-	-	0.022984996
NEFH	4744	3721	0.054927753	-	0.170345145	0.326410421
DPY19L2P3	442524	1124	0.181838228	-	-	-
FCAMR	83953	2783	0.073440952	0.080069236	-	-
DTNA	1837	6537	0.03126605	-	-	-
LIPJ	142910	1496	0.13662177	-	-	-
GRHL3	57822	2879	0.070992069	0.154798669	-	0.070312214
GAD1	2571	3488	0.058596952	-	-	0.058035798
SAMD7	344658	2279	0.089682391	-	0.092709417	-
C21orf88	114041	1469	0.139132858	-	-	-
LOC100133	1E+08	799	0.255802463	-	0.264436497	-
LAMC3	10319	6107	0.033467524	0.036488077	-	-
PODNL1	79883	3332	0.061340387	0.401259336	0.063410793	0.24301184
C6orf201	404220	1681	0.121586061	0.132559598	-	-
CLDN5	7122	2332	0.087644154	0.191108649	0.362409539	-
FGL1	2267	1500	0.136257445	-	0.140856508	-
A4GNT	51146	1771	0.11540721	-	0.119302519	-
C3orf32	51066	1545	0.132288782	0.144228275	0.410261673	0.262043836
CD2	914	1595	0.128141798	0.139707012	-	-
PPM1J	333926	1762	0.11599669	0.126465769	-	0.114885847
FAM90A20	728430	1395	0.146513382	-	-	-
PRSS27	83886	1462	0.139799021	0.457249011	0.289035241	0.415380704
TTLL9	164395	1607	0.127184921	-	-	-
TEKT4	150483	1471	0.13894369	-	-	-
C20orf165	128497	752	0.271790117	-	0.561927557	-
LOC386758	386758	1688	0.121081853	-	-	-
CD6	923	3307	0.061804103	-	0.063890161	0.122424471
PTENP1	11191	3932	0.051980206	-	-	0.051482417
LRRN4	164312	2740	0.074593492	0.081325797	0.077111227	-
LOC729020	729020	2130	0.095955947	-	-	-
LOC646870	646870	1369	0.149295959	-	-	-
B3GNT3	10331	2720	0.075141974	-	-	0.074422376
CETN4P	729338	629	0.324938264	0.354265	0.671811642	-
HIST1H2AH	85235	439	0.465572137	0.507591537	0.481286472	0.461113583
KDR	3791	6055	0.033754941	-	0.069788526	-
SLC7A9	11136	1789	0.114246041	-	-	-
DNAJB7	150353	2578	0.079280903	-	0.163913702	0.078521669
CREB3L1	90993	2702	0.075642549	0.082469535	0.31278277	0.074918158
C2CD4C	126567	3124	0.06542451	-	-	-
CDC20B	166979	2984	0.068494024	0.149351665	-	-
C11orf94	143678	369	0.553892054	-	-	-
LOC283440	283440	571	0.357944252	-	-	0.354516397
BCL2L14	79370	1930	0.105899569	-	-	-
GLRA4	441509	1675	0.122021593	-	-	-
EFNB3	1949	3236	0.063160126	-	-	-
TRIM63	84676	1764	0.115865175	-	-	-
MAB21L2	10586	2785	0.073388211	0.160023472	0.075865264	-
LOC285889	285889	2698	0.075754695	-	-	-
SULF2	55959	4248	0.048113505	0.577014956	0.198949869	1.763151584
ZNF883	169834	2379	0.085912639	-	-	-
LCTL	197021	2128	0.096046132	0.41885843	0.397151807	0.475631727
HIST1H1B	3009	790	0.258716668	-	0.802347195	0.256239067
ZNF682	91120	3207	0.063731265	0.208449658	0.06588237	0.126241885
CLDN7	1366	2029	0.100732463	0.878591167	0.31239738	2.394427162
NOX3	50508	2044	0.099993233	-	-	-
NACAP1	83955	704	0.290321261	0.9495711	0.3001204	0.575081997
PPP1R1A	5502	1849	0.11053876	0.241030486	0.114269747	-
ARL13A	392509	1539	0.132804528	0.434371705	-	0.263065449
MYRIP	25924	4884	0.04184811	0.136875113	-	0.165789405
KIAA1644	85352	6741	0.030319859	0.066112649	0.094029711	0.030029501
LOC400230	400236	1086	0.188200891	0.205186634	-	0.186398585
CECR7	1E+08	2726	0.074976584	-	0.155014498	0.07425857

PLA2G7	7941	1880	0.108716047	0.355584071	0.112385511	0.430699708
FAM7A3	89837	1162	0.175891711	0.958832551	0.363657076	-
NANOG	79923	2098	0.097419527	0.531059783	0.402830813	0.385946355
A1CF	29974	9529	0.021448858	-	-	-
LTBP4	8425	5163	0.039586707	-	-	-
GPR37	2861	3058	0.066836549	-	-	-
OGN	4969	3068	0.066618699	0.21789376	0.482070838	0.263922898
RPS10P7	376693	699	0.292397951	-	0.302267184	0.289597801
LOC283914	283914	1371	0.149078168	0.487598873	-	-
RPH3A	22895	4605	0.044383533	-	-	-
CRIP2	1397	1236	0.165360977	-	0.170942364	-
RAD21L1	642636	1808	0.113045447	-	-	-
CORIN	10699	4942	0.041356975	0.22544788	0.213764429	0.163843677
EGFEM1P	93556	3855	0.053018461	-	0.05480798	0.05251073
KIAA0408	9729	8124	0.025158317	-	-	-
FAM9C	171484	1255	0.162857504	-	-	-
ACOT6	641372	1004	0.203571881	-	-	-
GPR179	440435	7980	0.025612302	-	0.105907149	0.101468102
ACRV1	56	1189	0.171897534	0.187411846	0.355399094	0.340502713
EBI3	10148	1149	0.177881782	3.490851458	2.206629361	12.33248077
IL17C	27189	1048	0.19502497	0.637879823	-	0.579471936
FAM174B	400451	2630	0.077713372	0.084727257	0.080336411	0.076969149
MYBPH	4608	1806	0.113170636	0.246769308	0.935923638	0.560434283
PPP1R1B	84152	1841	0.111019103	-	0.459065207	0.219911855
LHB	3972	523	0.390795732	0.426066319	-	-
BFSP1	631	2215	0.092273665	0.201203327	0.095388154	-
LINC00102	1E+08	1352	0.151173201	0.164817075	-	-
RXFP4	339403	1146	0.178347442	1.166663271	0.55310147	1.236476475
SPINT2	10653	1817	0.112485508	-	-	-
HGD	3081	2012	0.101583583	0.110751831	0.210024614	0.100610767
PCDHB8	56128	2711	0.07539143	-	-	-
ZDHHC19	131540	1370	0.149186984	-	-	-
NCAN	1463	6406	0.031905427	-	-	-
HMX2	3167	1628	0.125544329	0.684375567	0.648908972	0.124342053
PLEK2	26499	1479	0.138192135	-	-	-
PPBP	5473	1307	0.156378093	0.511475175	0.484968848	0.309761076
PPP1R3G	648791	1745	0.117126744	-	0.121080092	-
TMEM191	84222	1978	0.103329711	0.225311107	-	0.102340173
SIT1	27240	1238	0.165093835	-	-	-
PGPEP1L	145814	1483	0.137819399	-	-	0.13649957
C6orf124	653483	2311	0.088440575	0.096422624	0.274277059	0.087593623
TMEM150	441027	1888	0.108255386	-	-	-
LOC10050	1.01E+08	1507	0.135624531	0.295730172	0.280404461	0.134325722
INHA	3623	1436	0.142330201	0.155175964	0.147134235	-
PM20D1	148811	2200	0.092902804	0.101287584	-	-
NMUR1	10316	3274	0.062427052	0.544490372	-	0.989267504
ADAM21	8747	2666	0.076663979	0.167166305	0.158503197	-
BAI3	577	5650	0.036174543	-	-	-
C9orf117	286207	1722	0.118691154	-	0.368091919	-
CYP26A1	1592	2245	0.091040609	1.68737445	0.094113479	0.811518827
HLA-H	3136	1839	0.111139841	1.211705735	-	1.981359181
GLRA1	2741	1835	0.111382108	-	0.115141559	-
FP588	92973	5245	0.038967811	0.042484783	0.040283081	0.038594635
CTSL1P2	1517	1105	0.184964858	0.403317076	-	-
C10orf55	414236	2516	0.081234566	0.26569875	0.16795291	0.402283114
ZNF177	7730	2459	0.083117596	-	-	-
CERS3	204219	3894	0.05248746	0.057224624	0.054259055	-
SYTL5	94122	4821	0.042394974	-	-	-
FAM65B	9750	5471	0.037358101	0.040729791	0.386190388	2.072019069
MAP1B	4131	11996	0.01703786	0.037151165	0.070451738	0.033749394
ZNF732	654254	2193	0.093199347	0.101610891	-	0.092306823
PATE3	1E+08	1336	0.152983659	0.166790932	0.158147276	0.15151861

BMPR1B	658	5560	0.036760102	-	-	-	-
ITGB3	3690	4894	0.041762601	0.045531811	0.043172203	0.41362661	
GLIS1	148979	2816	0.072580315	-	-	-	
BIK	638	963	0.212239011	1.388365637	0.43880532	1.051032518	
CALHM3	119395	1699	0.120297921	-	0.497433223	-	
ID3	3399	1288	0.158684913	0.173006743	-	1.728817929	
FXVD1	5348	558	0.366283455	-	-	-	
UGT2B11	10720	1722	0.118691154	0.388210252	0.245394612	1.293099589	
PCDHGC5	56097	4641	0.044039252	0.048013938	0.045525697	0.08723502	
TNFRSF17	608	994	0.205619887	0.224177751	0.425120244	0.407301535	
NAGS	162417	2086	0.097979946	-	0.101287038	-	
RND1	27289	1665	0.122754455	0.669167221	0.126897755	0.851052277	
DEFA5	1670	449	0.455203047	0.496286603	-	-	
ADPRH	141	3461	0.059054079	-	-	-	
FAM83A	84985	2946	0.069377518	0.075639065	0.071719199	-	
IL13RA2	3598	1376	0.148536459	-	-	-	
FAM105A	54491	7064	0.028933489	0.063089662	0.089730221	0.11462563	
ABHD1	84696	1471	0.13894369	-	-	0.137613095	
LOC283050	283050	2450	0.083422926	1.000473278	-	3.470209079	
FAM186A	121006	7265	0.028132989	-	0.05816511	0.055727147	
C16orf45	89927	2234	0.091488885	0.598476324	-	0.634289186	
CRYBA1	1411	806	0.253580854	-	-	-	
TUBA3E	112714	1554	0.131522631	0.143392976	-	0.130263104	
C11orf20	25858	764	0.267521162	0.291665818	-	-	
ZNF625-ZN	1.01E+08	3418	0.059797006	-	-	-	
CCL28	56477	816	0.250473245	0.546158541	0.517854807	0.496149174	
TAS2R31	259290	1021	0.200182339	0.218249446	0.413878083	-	
LOC100137	1E+08	1332	0.153443069	0.334583611	0.158622193	0.455920863	
SIAH3	283514	4005	0.051032751	-	-	0.101088071	
CHST8	64377	2340	0.087344516	-	-	-	
FGF22	27006	513	0.398413583	-	-	-	
FAM25A	643161	362	0.564602674	-	0.583659562	-	
TRIM2	23321	6792	0.030092192	-	0.031107886	-	
LILRA3	11026	1651	0.123795377	0.404904939	-	0.980878803	
VPS37D	155382	1609	0.127026829	0.415474241	0.262628665	0.62905178	
POU3F3	5455	1503	0.135985474	0.148258606	0.562301427	-	
MGLL	11343	4617	0.044268176	0.241317614	-	6.138193808	
TLX2	3196	2170	0.094187174	-	-	-	
HIST1H2BE	8344	435	0.46985326	-	0.485712095	0.465353708	
CLDN11	5010	2761	0.074026138	-	-	0.073317227	
C22orf24	25775	1247	0.1639023	0.178695016	0.169434452	-	
SLC28A1	9154	2750	0.074322243	-	-	-	
TBX15	6913	3513	0.058179951	0.317154405	0.180431052	0.172868371	
SRRM4	84530	8494	0.024062417	-	0.024874589	0.071495949	
CNN3	1266	2082	0.098168188	-	-	-	
LOC407835	407835	1737	0.117666188	-	-	-	
SPATC1	375686	2065	0.098976353	0.539546452	0.204634151	1.764513091	
GPR98	84059	19333	0.010571881	0.011526027	0.021857421	-	
MORN3	283385	1172	0.174390928	0.380260554	0.1802771	0.345441746	
LINC00410	144776	2018	0.10128155	0.11042254	0.20940016	-	
ACHE	43	2978	0.068632024	-	0.070948543	0.135949539	
MYOM3	127294	5800	0.035238994	0.115258285	0.036428407	0.104704584	
HIST1H2BH	8345	425	0.480908631	0.524312199	0.497140615	0.476303207	
KCNE1L	23630	1465	0.139512743	0.152104222	0.43266504	0.138176698	
TDRD5	163589	3836	0.053281066	-	0.165238343	-	
DDC	1644	2090	0.097792425	-	0.101093187	-	
OCM	654231	744	0.274712591	0.299506297	-	-	
FAM19A2	338811	4069	0.050230073	0.109527002	0.103850952	0.149247134	
TREML3	340206	1137	0.179759163	0.195983012	-	0.890188491	
SAMD11	148398	2575	0.079373269	-	-	-	
ST13P4	145165	1599	0.127821243	-	0.132135561	-	
HOXB3	3213	3627	0.056351301	-	-	0.167434957	

GPR4	2828	3057	0.066858413	0.072892602	0.069115068	0.066218143
MGP	4256	1473	0.138755036	-	-	0.412278743
TMPRSS12	283471	1478	0.138285635	-	-	-
LGALS2	3957	543	0.376401783	-	1.167319124	-
ACP5	54	1640	0.124625712	-	-	-
PENK	5179	1354	0.150949903	0.329147245	-	0.14950433
CCDC11	220136	1837	0.111260843	0.242604992	0.115016201	-
PLP1	5354	3148	0.06492572	0.070785478	-	-
LRRC71	149499	1989	0.102758254	0.336097564	0.106226627	-
IQCA1	79781	3250	0.062888052	-	-	-
ASB12	142689	1293	0.158071282	0.68935092	-	0.313115024
SAMD3	154075	1052	0.19428343	0.423636283	-	0.192422874
DNALI1	7802	2663	0.076750345	0.083677313	0.238022638	0.076015345
FGF6	2251	744	0.274712591	-	-	-
MCHR1	2847	2423	0.084352525	-	-	0.083544723
RNU5D-1	26830	100	2.04386168	-	-	4.048577259
KLF17	128209	3131	0.06527824	0.213509439	0.067481559	1.48702135
CBX3P2	645158	510	0.400757192	1.310780498	-	0.396919339
C10orf53	282966	642	0.318358517	-	0.32910399	-
PLXNA2	5362	11457	0.017839414	0.252843231	0.036883087	0.0706743
COX7A1	1346	783	0.261029589	-	-	0.258529838
PCDHA3	56145	5260	0.038856686	-	-	-
XKRX	402415	2854	0.071613934	-	-	-
ESAM	90952	1869	0.109355895	-	0.113046956	0.108308648
GTF2IRD2	84163	3551	0.057557355	0.188256281	0.059500074	0.228024627
DCDC5	1.01E+08	4773	0.042821322	0.046686085	0.132799976	0.084822486
LUM	4060	2116	0.096590817	-	-	-
ZNF485	220992	2072	0.098641973	-	-	0.097697328
A2M	2	4678	0.043690929	0.333439246	0.090331236	2.423261292
GPR44	11251	2910	0.070235797	0.229724417	1.234309602	2.086895494
NANOGB	360030	907	0.225343074	0.491362039	-	0.223185075
RARRES3	5920	779	0.26236992	20.30952582	0.542451249	93.80849747
LYPD3	27076	1745	0.117126744	-	-	-
CCDC116	164592	2252	0.090757623	-	0.375283768	0.179776965
CLRN1	7401	2398	0.08523193	-	-	-
VENTXP1	139538	2716	0.075252639	0.164088869	-	-
PRKCH	5583	3522	0.05803128	-	-	-
CALN1	83698	9510	0.021491711	0.140588445	0.088868459	0.063857685
MURC	347273	2640	0.077419003	0.16881264	0.160064213	0.230032799
SLC27A6	28965	2839	0.07199231	-	0.148844495	-
PFKFB1	5207	1733	0.117937777	0.128582045	0.1219185	-
LOC28385	283856	2678	0.076320451	-	-	0.075589568
SPEF1	25876	1597	0.12798132	-	0.13230104	-
ATO7	220202	1487	0.137448667	-	-	-
PLA2G4C	8605	2567	0.079620634	0.086806656	-	0.394290734
ZNF717	1E+08	3068	0.066618699	0.145262506	0.068867263	0.065980725
C1QTNF4	114900	1436	0.142330201	-	0.147134235	0.140967175
ICAM5	7087	3005	0.068015364	0.148307943	0.492177481	0.404184086
LOC10050	1.01E+08	2689	0.076008244	0.165736471	0.235721192	-
EDARADD	128178	2891	0.070697395	0.077078065	0.073083626	0.350101804
SYT13	57586	5184	0.039426344	-	0.122271274	0.039048778
KRTAP10-2	386679	1071	0.190836758	-	-	-
NOS1	4842	12291	0.016628929	0.108778465	0.085951005	0.098818093
INTS4L2	644619	1722	0.118691154	0.129403417	-	-
ITGA9	3680	3962	0.051586615	0.056242475	0.053327804	0.255462977
MAMDC2	256691	3618	0.056491478	-	0.05839822	-
SLC35G6	643664	1195	0.17103445	-	0.176807332	0.338793076
SIX3	6496	2533	0.080689368	-	0.083412855	-
FGF2	2247	6774	0.030172154	0.131581154	0.124762186	0.05976642
ISLR2	57611	4833	0.04228971	-	-	-
CETP	1071	1717	0.11903679	-	0.123054608	0.825277834
LOC10012	1E+08	3667	0.055736615	-	0.057617879	-



EFHB	151651	2857	0.071538736	0.233986018	0.221860092	-
CPNE5	57699	3339	0.06121179	-	0.253111424	-
CSAG1	158511	885	0.230944823	-	-	5.489596284
RPL29P2	118432	657	0.311090058	1.017500844	-	-
UNC13A	23025	9847	0.020756186	0.045259	-	0.041114829
TRPM4	54795	4103	0.049813836	1.737910288	0.308971135	17.95859277
ZNF474	133923	1972	0.103644101	-	0.107142374	0.102651553
MIP	4284	2608	0.078368929	-	-	0.232855287
BCL2L10	10017	887	0.23042409	-	-	-
COPZ2	51226	923	0.221436802	0.241422194	-	0.219316211
TIGIT	201633	2978	0.068632024	-	-	-
TMEM204	79652	943	0.216740369	-	0.224055951	-
TTC36	143941	679	0.301010557	-	0.311170488	-
PHLDA2	7262	937	0.218128248	-	1.352944043	0.216039341
KHDC1	80759	1147	0.178191951	0.971371773	0.552619254	0.529456485
PCDHB5	26167	2925	0.069875613	0.076182114	-	0.069206449
IQCF3	401067	1319	0.154955397	-	-	-
KCNH1	3756	8106	0.025214183	-	-	0.024972719
HEY1	23462	2331	0.087681754	-	-	-
UBE2F-SCL	1.01E+08	2972	0.068770581	0.07497735	0.142183554	-
LOC100288	1E+08	2147	0.095196166	-	-	0.094284519
DUSP13	51207	1788	0.114309937	0.124626781	-	0.905721982
CCDC40	55036	4297	0.047564852	0.051857734	0.098340592	-
TKTL2	84076	2837	0.072043062	-	-	-
C10orf67	256815	2943	0.069448239	-	-	0.068783168
IL12B	3593	2347	0.087084009	-	0.180046665	-
HIST1H2BC	8339	445	0.45929476	-	0.474797217	-
LOC100509	1.01E+08	701	0.29156372	-	-	-
FAM205B	389715	6144	0.033265978	-	-	-
LOC440704	440704	2232	0.091570864	0.199670864	0.094661631	-
LOC285847	285847	1813	0.112733683	-	0.116538754	0.223308178
GP5	2814	3493	0.058513074	0.063794069	0.060488051	-
PLEKHG7	440107	3267	0.062560811	0.068207127	-	0.123923393
ZCCHC12	170261	2212	0.09239881	-	0.095517523	0.091513953
CFL1P1	142913	2141	0.095462946	0.104078788	-	0.472743725
AMICA1	120425	2195	0.093114427	4.060732296	0.962572945	36.24352763
LOC100129	1E+08	729	0.280365114	0.305668978	-	-
KCNMB1	3779	1518	0.134641744	-	0.139186272	-
GYS2	2998	3132	0.065257397	-	-	0.129264919
LOC149773	149773	2099	0.097373115	-	-	-
LOC339894	339894	2016	0.101382028	-	-	-
PADI3	51702	3189	0.06409099	0.139750821	0.198762711	0.253908891
SLC1A6	6511	1719	0.118898294	-	-	-
CD14	929	1648	0.124020733	-	-	-
LOC100128	1E+08	2517	0.081202292	0.088531063	0.083943092	0.160849315
C22orf36	388886	1240	0.164827555	0.359407556	-	-
GRK7	131890	1746	0.117059661	-	-	0.115938639
CYP4A11	1579	2552	0.080088624	0.087316883	-	0.15864331
SLC2A14	144195	2195	0.093114427	0.40607323	0.096257294	1.475563466
SHF	90525	2517	0.081202292	0.088531063	0.083943092	0.160849315
HAVCR1	26762	1841	0.111019103	0.121038938	0.68859781	0.98960335
RASGEF1B	153020	2269	0.090077641	0.196414883	0.65182606	6.334265875
C1QTNF2	114898	2411	0.084772363	-	-	0.08396054
C2orf61	285051	2139	0.095552206	-	0.296332064	-
TEDDM1	127670	2500	0.081754467	0.089133074	0.084513905	-
SETBP1	26040	9899	0.020647153	-	0.042688102	-
MALL	7851	3071	0.06655362	0.072560301	0.068799987	0.197748808
NOD2	64127	4485	0.045571052	0.049683988	0.0942184	0.045134641
LOC643719	643719	619	0.330187671	0.359988182	-	0.327025627
TTC16	158248	2884	0.07086899	-	0.073261013	-
SCUBE1	80274	3885	0.052609052	0.05735719	-	0.781578621
MARK2P9	1.01E+08	2000	0.102193084	0.222832685	0.105642381	0.404857726

EPB41L1	2036	6276	0.032566311	0.071011053	0.033665513	0.419307715
CCDC153	283152	773	0.264406427	-	-	0.261874338
BAGE	574	1004	0.203571881	-	-	-
PCDH11Y	83259	4964	0.041173684	0.089779486	0.170253635	0.081558768
RAP1GAP	5909	3334	0.06130359	-	-	-
ZNF205	7755	2077	0.09840451	0.107285838	0.101725932	-
CYP2A6	1548	1775	0.115147137	-	0.119033668	-
NR1I3	9970	1414	0.144544673	0.1575903	-	0.143160441
SRRM3	222183	3651	0.055980873	-	-	-
KIAA1239	57495	7477	0.027335317	0.029802419	-	-
RIMBP3	85376	5796	0.035263314	-	0.14581419	0.104776844
AMTN	401138	1072	0.190658739	-	-	-
KRBA2	124751	1964	0.104066277	0.226917194	0.107578799	0.206139372
LOC100133	1E+08	661	0.309207516	0.674229001	-	-
LINC00483	55018	1023	0.199790976	0.217822761	0.206534469	0.395755353
DPYSL5	56896	5225	0.03911697	0.127942211	0.040437275	0.232454197
PLEKHG1	57480	7237	0.028241836	0.061581507	0.116780302	0.055942756
LEFTY1	10637	1644	0.124322487	-	0.128518711	-
LOC646813	646813	1282	0.159427588	0.347632894	-	-
CNRIP1	25927	2037	0.100336852	0.218785159	0.103723496	0.298127928
HIST1H3J	8356	478	0.427586126	0.466177165	0.442018329	-
LINC00235	64493	561	0.36432472	1.191618635	-	-
LGI4	163175	2906	0.070332474	-	-	0.069658934
P2RX2	22953	1908	0.107120633	0.116788619	-	-
OTP	23440	2702	0.075642549	-	-	-
H3F3AP5	347376	460	0.444317757	-	0.459314699	-
ZNF599	148103	3115	0.065613537	0.143070745	0.203484521	0.064985189
LRRC3	81543	2520	0.081105622	0.176851337	0.335372637	0.160657828
C6orf138	442213	3268	0.062541667	-	0.06465262	0.123885473
TMEM221	1E+08	1930	0.105899569	0.346372049	0.10947397	-
TNFAIP8L3	388121	2292	0.089173721	0.388887757	0.184367157	0.529918489
KRT18P55	284085	1950	0.10481342	0.68563903	0.216702319	0.31142902
HAAO	23498	1301	0.157099284	-	-	-
HPSE2	60495	4419	0.046251679	-	-	-
LOC728622	728622	1882	0.108600514	0.236804128	0.224532159	0.107560501
MYH2	4620	6163	0.033163422	0.036156528	-	-
LOC645433	645431	2026	0.100881623	0.219973035	-	-
ST7-AS1	93653	1908	0.107120633	0.233577238	0.221472496	-
ADARB2	105	8426	0.024256607	0.026445844	-	0.024024313
JAM2	58494	1721	0.118760121	-	0.1227686	-
ANKFN1	162282	2426	0.084248214	-	-	0.083441411
COL17A1	1308	5610	0.036432472	0.238323727	-	0.144334305
TM4SF19	116211	1077	0.189773601	0.206901286	0.39235796	0.939781165
PRSS36	146547	2853	0.071639035	0.624837532	0.296228197	2.767166371
LOC100505	1.01E+08	919	0.222400618	-	-	-
APOC1P1	342	939	0.217663651	-	-	-
GPX7	2882	1246	0.164033843	-	0.339140869	-
STYK1	55359	3022	0.067632749	-	0.06991554	0.066985064
HOXB4	3214	2042	0.100091169	-	-	-
HOXB7	3217	1377	0.14842859	-	-	-
SLC6A13	6540	2224	0.091900255	-	0.095002141	0.182040344
GPCRLTM7	1E+08	2073	0.098594389	-	0.10192222	-
LHFPL4	375323	4895	0.041754069	-	0.043163383	0.124062633
VWA3B	200403	4765	0.042893215	-	-	-
BEAN1	146227	3315	0.061654953	0.134439025	0.063735976	0.061064514
CACNA2D2	9254	5358	0.038145981	-	-	-
KIAA1598	57698	3950	0.051743334	-	-	-
MC2R	4158	3652	0.055965544	0.183049851	0.347127209	0.16628877
DLG3	1741	6032	0.033883649	-	-	-
BOK	666	2617	0.078099415	0.170296282	0.080735484	0.077351495
LOC340508	340508	2311	0.088440575	-	0.091425686	-
XAGE1D	9503	745	0.27434385	-	-	-

TMEM61	199964	1122	0.18216236	-	-	-	-
RAX2	84839	2190	0.093327017	0.101750084	0.19295412	0.092433271	
TOMM20L	387990	610	0.335059292	0.365299483	0.692736922	-	
HIGD1B	51751	654	0.312517077	-	0.323065384	-	
RNASE13	440163	1607	0.127184921	-	-	-	
FLJ26850	400710	1451	0.140858834	-	-	-	
SLC26A8	116369	3434	0.059518395	0.194670371	0.184581911	0.471587334	
HIST1H2BJ	8970	481	0.424919268	0.463269615	-	2.104250135	
TMEM27	57393	1588	0.128706655	0.280645699	-	-	
CNTFR	1271	2070	0.098737279	-	0.102069933	-	
GAMT	2593	960	0.212902258	-	-	-	
LOC10050	1.01E+08	943	0.216740369	-	0.224055951	0.643994262	
TLR5	7100	4277	0.047787273	0.10420046	0.049400225	-	
LOC38963	389634	682	0.299686463	7.514885263	1.549008514	2.374532117	
ADAL	161823	3524	0.057998345	0.126465769	-	-	
C1orf180	439927	2884	0.07086899	-	-	-	
C21orf128	150147	2141	0.095462946	-	-	-	
KIAA1045	23349	5950	0.034350616	-	0.035510044	0.034021658	
NRXN3	9369	6163	0.033163422	-	-	-	
LEP	3952	3444	0.059345577	0.194105126	-	0.117554508	
GSG1L	146395	4922	0.041525024	-	-	-	
SLC8A1	6546	6053	-	0.073627188	-	0.234099131	
TMEM86A	144110	3607	-	-	-	0.168363346	
CD5	921	3180	-	0.070073171	0.132883498	-	
FUT3	2525	2607	-	0.085474754	0.162090342	0.077648202	
MLPH	79083	3771	-	-	-	0.05368042	
HIST1H3A	8350	469	-	0.475122995	-	-	
WFDC1	58189	1396	-	-	0.302700231	-	
ACCN4	55515	2914	-	0.076469693	-	-	
ZAR1L	646799	1103	-	0.202024193	-	-	
LDHC	3948	1318	-	0.169068805	-	-	
EVX1	2128	1858	-	0.119931477	-	0.217899745	
PCDHB19P	84054	4632	-	0.096214458	-	0.087404518	
LGALS9B	284194	1243	-	2.509780842	-	2.442826182	
UQCRBP1	442454	797	-	0.838767948	-	-	
LOC72881	728819	1170	-	-	0.361170532	0.173016122	
GRAMD2	196996	3318	-	0.067158736	-	-	
ARHGEF3	50650	4065	-	0.438539109	0.051976571	1.44414195	
FOXR1	283150	1215	-	0.183401387	-	-	
APCDD1L	164284	3112	-	0.071604333	0.135787122	0.13009567	
FLJ35776	649446	1023	-	1.306936567	0.206534469	2.77028747	
CNTNAP5	129684	5284	-	0.042171212	-	-	
ANKRD26P	124149	6140	-	0.036291968	-	-	
PTGDR	5729	2966	-	-	-	0.341248926	
NBEAP1	606	548	-	-	-	0.369395735	
CDRT4	284040	2515	-	-	0.084009845	0.160977227	
SELENBP1	8991	1721	-	-	0.1227686	-	
SCT	6343	514	-	-	-	0.787660945	
NBPF22P	285622	2633	-	0.08463072	-	-	
HOXA6	3203	802	-	-	0.263447333	0.504810132	
UNC5A	90249	3749	-	0.416065296	0.056357632	0.269977145	
LINC00163	727699	2155	-	-	-	0.093934507	
WNT9A	7483	1240	-	-	0.170390937	-	
CA6	765	1339	-	0.332834481	-	0.151179136	
CX3CL1	6376	3304	-	-	-	0.061267816	
LINC00282	283521	4126	-	-	0.102416268	-	
FLJ43826	342666	3580	-	0.248975067	0.05901809	0.226177501	
ACSS3	79611	3033	-	0.514285787	0.208985916	0.133484249	
SEMA3C	10512	5189	-	-	-	0.039011151	
TEX101	83639	1600	-	0.139270428	-	0.379554118	
ZNF300P1	134466	2420	-	-	-	0.08364829	
SCGN	10590	1492	-	-	-	0.135676182	

LOC284379	284379	1248	-	1.071310984	1.185090809	0.486607844
APBB1	322	2653	-	0.251978158	0.07963994	-
LOC644936	644936	1456	-	0.306088853	0.14511316	0.417092437
GRM4	2914	3884	-	0.057371958	-	0.364830597
NEUROD2	4761	3048	-	0.073107836	-	0.066413669
PPP3R2	5535	3401	-	0.065519754	-	-
CABP1	9478	1201	-	0.185539288	-	-
CRHBP	1393	1854	-	0.360570687	0.683769454	1.419404109
C21orf7	56911	1997	-	-	-	0.202732962
ABLIM2	84448	2595	-	-	0.081419947	-
SPAG6	9576	2630	-	-	-	0.615753195
AANAT	15	1935	-	0.345477031	-	0.418457598
FLJ26484	400619	2265	-	0.196761753	0.093282455	0.089372566
ZNF615	284370	4110	-	0.054217198	-	-
ARRDC5	645432	1638	-	-	-	0.123582944
NEURL3	93082	1704	-	-	-	0.118796281
CYP4F12	66002	1783	-	1.124786406	-	2.497720126
LINC00114	400866	890	-	0.500747606	-	0.227448161
C7	730	4034	-	0.055238643	0.104751989	0.05018068
C17orf72	92340	3121	-	-	0.135395554	-
SP9	1E+08	1455	-	-	0.290425789	-
SYN2	6854	3887	-	-	-	0.468705883
ANKRD30B	374860	4617	-	-	-	0.043844241
POU3F2	5454	4172	-	-	0.151930557	-
SHOX	6473	1951	-	1.713219001	1.624434352	-
CLDN23	137075	1972	-	0.112998319	0.107142374	0.205303106
PDCD1LG2	80380	2418	-	-	-	3.348699139
WDR87	83889	8947	-	-	0.023615152	0.022625334
C20orf160	140706	2532	-	-	-	0.079948208
RUNDC3B	154661	4101	-	0.054336183	0.103040605	0.049360854
GPR115	221393	3180	-	-	-	0.063656875
NUDT16	131870	6204	-	-	0.034056216	-
PRR15L	79170	1401	-	0.477157783	-	0.144488839
FREM2	341640	16179	-	0.082637747	0.026118396	0.025023656
SSTR4	6754	1258	-	-	-	0.160913246
LOC116437	116437	2505	-	0.177910327	-	-
KIR3DL1	3811	1986	-	-	0.10638709	-
DEFA6	1671	479	-	1.395611804	-	1.690428918
PLGLB2	5342	3016	-	0.073883516	-	0.134236647
SMPX	23676	886	-	-	-	0.228475015
LYVE1	10894	2518	-	0.088495903	-	-
SPOCD1	90853	3888	-	0.057312933	0.054342788	0.364455257
LINC00239	145200	662	-	-	0.638322542	1.223135124
LOC645638	645638	621	-	-	0.34023311	-
CSRP2	1466	901	-	-	-	0.674013972
LRRC16B	90668	4615	-	0.048284439	-	-
LOC220980	220980	3300	-	0.067525056	-	-
C14orf34	645687	2092	-	0.10651658	0.10099654	0.096763319
RIMBP3C	150221	5802	-	-	0.03641585	-
CCL4	6351	667	-	12.69511547	4.751531365	69.80305619
OR1L8	138881	930	-	-	0.227187915	-
CYP2C9	1559	1876	-	-	0.112625139	-
GJB7	375519	2298	-	-	0.09194289	-
TRIM74	378108	1351	-	-	-	0.299672632
FBXO39	162517	1673	-	-	-	4.234913451
LOC390705	390705	445	-	-	0.474797217	-
MUC12	10071	16321	-	-	-	0.012402969
LRP1B	53353	16557	-	0.013458518	-	-
ACOT4	122970	1703	-	0.130847143	-	-
CDKL2	8999	4717	-	-	0.04479219	-
OPRK1	4986	4959	-	0.044935004	0.213031621	-
FAM71F2	346653	1333	-	0.501498915	0.634012787	3.340911467

C7orf46	340277	1489	-	-	-	0.135949539
FRMD7	90167	3227	-	-	-	0.125459475
BTG3	10950	1596	-	0.139619477	0.264767871	0.380505381
LILRA4	23547	1725	-	0.129178368	-	0.234700131
PPP1R14D	54866	880	-	0.25321896	0.24009632	-
NRCAM	4897	6406	-	-	0.065964646	-
YPEL3	83719	1588	-	-	0.133050857	-
RBP5	83758	968	-	2.07179149	0.873077526	1.254724357
ZNF827	152485	4197	-	0.053093325	-	-
IL5	3567	816	-	-	-	0.248074587
PCDHGA8	9708	5503	-	0.080985893	-	0.110355549
FLJ21408	400512	631	-	0.706284262	-	-
CNTN4	152330	5223	-	0.127991203	0.161811037	0.038757201
RBM20	282996	7233	-	-	0.058422442	0.027986847
DNAH2	146754	13505	-	-	-	0.014989179
SLC35G5	83650	1201	-	-	0.175924031	0.168550261
CLDN3	1365	1318	-	-	-	0.307175816
LOC28463	284632	1863	-	-	-	0.108657468
GRIN2C	2905	4298	-	0.103691338	0.098317711	0.094196772
FGFR2	2263	3011	-	0.444037233	0.210512881	0.336148892
KLHDC9	126823	1348	-	0.165306146	-	-
ZNF556	80032	1632	-	-	-	0.248074587
C1orf70	339453	1128	-	0.197546706	-	-
TNNT3	7140	1217	-	-	-	1.330674531
ZNF540	163255	3157	-	0.070583682	-	0.064120641
CCL25	6370	1002	-	0.667163727	0.632589106	0.60607444
ADAMTS8	11095	3679	-	-	-	0.055022795
HCAR2	338442	2082	-	0.32108456	0.202963267	9.722808019
PKDCC	91461	2517	-	-	0.167886183	-
MMP8	4317	3056	-	23.26034896	0.138275367	6.557741306
HSPB7	27129	2908	-	0.076627471	-	-
PLIN1	5346	2979	-	-	0.070924727	-
EDIL3	10085	2974	-	0.149853857	-	0.952926725
C20orf123	128506	2043	-	-	-	0.198168246
YAP1	10413	5396	-	0.082591803	-	0.07502923
KCNH6	81033	3017	-	-	0.070031409	-
CHST1	8534	2735	-	-	-	0.074014209
C11orf16	56673	1942	-	0.114743916	-	-
BPI	671	1901	-	54.74111719	-	50.7935653
APOA2	336	473	-	0.471105042	-	-
HSPB2	3316	858	-	-	-	0.235931076
DYX1C1	161582	1807	-	0.616581861	-	-
SCN4B	6330	4579	-	0.24332025	-	0.353664753
GPRIN1	114787	4208	-	0.052954535	0.251051285	0.144317155
CRTAC1	55118	2730	-	-	0.077393685	-
PYDC1	260434	582	-	-	0.363032236	-
CLIC3	9022	813	-	10.14121689	-	64.48840776
RNF112	7732	3252	-	0.068521736	-	0.186742494
ASB4	51666	3824	-	-	-	0.052936418
CDH23	64072	11134	-	1.841261631	0.265671516	4.199844381
FAM167A	83648	4093	-	0.816635786	-	0.494573328
SOX15	6665	1394	-	0.319702561	0.151567261	0.435643177
ARHGAP39	80728	5147	-	0.043293702	0.04105008	-
TBR1	10716	3186	-	0.069941207	-	-
OR56B4	196335	960	-	-	-	0.210863399
RAB25	57111	1101	-	-	0.383805198	-
LOC10050	1.01E+08	4300	-	0.310929328	0.049135991	2.212594549
GJC2	57165	2411	-	-	0.087633663	-
KLK4	9622	1347	-	-	-	0.150281264
C14orf165	414767	930	-	-	-	0.652996332
PMF1-BGL	1.01E+08	794	-	-	0.266101715	-
ATP5J2-PT	1.01E+08	5538	-	-	0.152607267	-

NXPH4	11247	1821	-	-	0.116026777	-
LOC10050	1.01E+08	616	-	0.361741371	-	-
RPL3L	6123	1547	-	-	0.546308368	-
C6orf126	389383	422	-	-	-	0.479689249
PLA2G12B	84647	1092	-	-	-	0.370748833
PABPN1L	390748	1309	-	-	-	0.154643898
GJB5	2709	1299	-	-	0.162651856	-
BSPRY	54836	2354	-	0.094661293	-	-
OAZ3	51686	901	-	0.247317075	0.23450029	-
RGPD8	727851	7299	-	-	0.028947083	-
FCER2	2208	1624	-	-	-	0.124648315
PCDHB12	56124	3422	-	-	-	0.059155132
PACRG	135138	1702	-	0.130924022	-	-
SLC22A18A	5003	1565	-	0.427155306	0.135006237	0.129347516
LOC64690	646903	1964	-	-	-	0.103069686
ZFR2	23217	4757	-	-	0.133246644	0.297877242
DDR1	780	3877	-	-	-	0.104425516
EPN3	55040	3944	-	0.056499159	-	-
LINC00336	401253	2107	-	-	-	0.096074448
LOC100130	1E+08	3024	-	-	0.069869299	-
RASGEF1C	255426	2216	-	-	0.095345109	-
ENTPD3	956	2807	-	-	0.075270667	-
CES5A	221223	2285	-	-	0.092465979	-
CHN2	1124	3447	-	-	0.12259052	-
GADD45G	10912	1087	-	-	-	0.37245421
ITGA1	3672	4811	-	0.046317332	-	0.25245753
FBLN5	10516	2637	-	-	0.160246311	-
APOBEC3H	164668	1164	-	0.191437014	-	6.434594441
ATP5EP2	432369	368	-	-	0.574143373	-
GRIK2	2898	4724	-	0.04717034	-	0.042851156
TAL1	6886	5018	-	-	0.042105373	0.040340547
SYTL4	94121	3936	-	-	0.053680071	-
C8G	733	888	-	0.250937708	0.23793329	1.139802156
CP	1356	4674	-	1.096523695	0.135612812	13.16610491
LOC10049	1E+08	2316	-	0.096214458	-	0.174809035
C1orf177	163747	1806	-	0.123384654	0.116990455	-
CRAT	1384	2865	-	-	0.073746863	0.070655799
OXER1	165140	1819	-	-	0.232308699	0.111285796
P2RY13	53829	2769	-	12.07110968	0.076303634	15.571451
EXOC3L1	283849	2505	-	-	-	1.292958805
FRMD1	79981	3028	-	-	0.069777002	-
SAGE1	55511	3069	-	-	-	0.065959225
HAS1	3036	2116	-	0.315925356	-	0.6696607
SELP	6403	3185	-	8.18569046	-	5.084555427
ITIH2	3698	3198	-	-	0.132135561	0.063298581
ZP1	22917	1972	-	-	0.321427122	0.615909319
NUPR1	26471	938	-	-	-	1.079045112
PCDHGA10	56106	4617	-	0.048263523	-	0.087688483
GPR22	2845	2976	-	-	-	0.068020451
C1orf141	400757	2143	-	0.103981654	0.295778947	0.188921011
ZFP3	124961	5011	-	0.044468706	-	0.363572095
LHX9	56956	2515	-	-	0.084009845	-
ARHGAP40	343578	2838	-	-	-	0.071328
GDPD2	54857	2290	-	-	0.092264088	-
CTCFL	140690	3493	-	-	0.060488051	-
SLC4A1	6521	4953	-	0.134968313	0.042657937	0.326959601
CHRNA1	1146	2187	-	0.101889659	-	0.092560065
CSRP3	8048	1341	-	0.166169042	-	-
DDX25	29118	1839	-	-	-	0.11007551
BTN1A1	696	2859	-	-	-	0.141608159
RAB3IL1	5866	2305	-	-	0.091663671	-
HEATR8	374977	4404	-	-	0.04797565	0.137894321

KIF4B	285643	4426	-	-	-	0.0914726
LOC729668	729668	1567	-	-	-	0.129182427
CEND1	51286	1646	-	-	-	0.368946895
ST14	6768	3319	-	0.201415503	-	1.524772996
LOC644241	644242	1610	-	-	-	0.125732213
PRKG2	5593	3328	-	-	-	0.121651961
NAT8	9027	1073	-	0.207672586	-	2.075225995
HIST1H2BC	8348	467	-	-	0.452429896	0.433466516
CNTF	1270	1914	-	-	0.110389113	-
TRIM73	375593	1351	-	0.164939071	-	-
TG	7038	8453	-	0.026361373	0.02499524	0.239475764
GPX2	2877	1024	-	0.217610044	-	0.593053309
C22orf15	150248	879	-	0.253507036	-	0.460588994
NOX1	27035	2529	-	0.088110986	0.16708957	0.160086092
TAL2	6887	656	-	0.679367941	-	-
S1PR5	53637	2467	-	-	0.085644411	-
AATK-AS1	388428	1577	-	-	0.133978923	-
LRRN2	10446	3227	-	-	0.065474051	0.062729738
GOLGA6L1	283767	3822	-	-	0.055281204	-
CYP19A1	1588	4531	-	0.147538745	0.093261868	2.54655599
ZNF831	128611	9404	-	0.118477608	0.044935083	0.129154953
MAST4	375449	10724	-	-	-	0.037752492
TNNC2	7125	698	-	-	-	0.290012698
GLIPR1L1	256710	975	-	0.228546343	0.216702319	-
PCDHGA9	56107	4605	-	0.096778582	-	0.087916987
C9orf71	169693	1284	-	-	-	0.945929266
ZFHX4	79776	13975	-	-	0.015118766	0.014485071
C1orf100	200159	579	-	0.384857832	-	-
C9orf128	392307	2979	-	0.07480117	-	-
GRAPL	400581	967	-	0.691311328	0.436990199	0.62801095
DAAM2	23500	6252	-	2.174151275	-	1.100860739
SERPINB6	5269	2067	-	-	-	0.195867308
CCDC164	92749	2515	-	0.088601465	0.084009845	0.241465841
RHOB	388	2384	-	-	-	0.084911436
HIST1H4K	8362	354	-	-	-	0.571832946
HIST1H2BE	3018	431	-	0.51701319	-	-
VNN3	55350	1780	-	-	-	0.11372408
FLJ39582	439931	1301	-	-	-	0.155594822
CCR7	1236	2207	-	0.100966327	0.09573392	0.091721279
LOC643037	643037	604	-	0.737856572	-	0.335147124
LTF	4057	2593	-	-	-	0.156134873
TRIM34	53840	2330	-	0.191272691	-	-
C11orf42	160298	1149	-	-	-	0.176178297
CREB3L3	84699	2586	-	-	-	0.39139378
MAB21L1	4081	2907	-	-	-	0.069634972
RSPH10B	222967	3122	-	-	0.067676093	0.129678964
SLC26A5	375611	2518	-	0.176991807	-	0.160785435
ARHGAP19	1.01E+08	1916	-	0.116300984	-	-
SPTBN4	57731	8705	-	-	0.024271656	0.023254321
LOC440910	440910	1739	-	-	0.12149785	-
KCNQ1	3784	3262	-	-	-	0.062056672
WNT2B	7482	2515	-	-	0.336039382	0.241465841
ZBP1	81030	2327	-	0.095759641	0.090797061	4.784524049
FSTL4	23105	5382	-	-	0.039257667	-
PPAPDC3	84814	2095	-	-	0.100851915	-
NALCN	259232	6923	-	-	-	0.02924005
C1QL4	338761	2065	-	-	-	0.098028505
SORCS2	57537	6061	-	0.11029501	0.069719439	0.567776055
PTTG2	10744	576	-	-	-	0.351438998
LOC442028	442028	3330	-	0.133833444	0.126897755	-
MYL4	4635	934	-	-	-	0.216733258
FBXO2	26232	1724	-	0.258506595	-	0.117418134

KRT86	3892	2091	-	-	0.202089681	0.096809595
DOK6	220164	8897	-	0.050091645	-	-
TUSC3	7991	3888	-	0.057312933	-	-
LOC28535	285359	983	-	0.453372705	0.21493872	0.823718669
BFSP2	8419	1644	-	-	0.128518711	-
RTP1	132112	2265	-	-	0.093282455	-
RGMB	285704	4601	-	-	-	0.08799342
HLA-F-AS1	285830	1914	-	0.11642251	0.110389113	0.105762206
EPB41L4B	54566	3783	-	0.058903697	0.055851113	-
SGMS2	166929	6246	-	0.035676062	0.033827211	-
TIAF1	9220	2110	-	-	0.400539832	0.191875699
VTRNA1-2	56663	88	-	2.532189599	-	-
MUC21	394263	3656	-	-	0.057791237	-
NTNG1	22854	3434	-	-	0.123054608	-
SDK2	54549	10796	-	-	-	0.018750358
C11orf86	254439	1185	-	-	-	0.170826045
CDK5R2	8941	2495	-	0.089311697	-	-
SHH	6469	1576	-	0.424173892	0.26812787	0.12844471
ST20-MTH	1.01E+08	2282	-	-	-	0.088706776
ENTPD2	954	2100	-	-	0.100611791	0.385578787
NME5	8382	1243	-	-	0.339959391	-
SCN9A	6335	9771	-	0.022805515	-	-
FAM83F	113828	2134	-	0.10442019	-	-
SCNN1G	6340	3516	-	-	0.060092367	-
PXDNL	137902	4812	-	0.13892312	-	0.126202533
HIC1	3090	3174	-	20.28942845	0.066567348	25.06444333
GABBR1	2550	4547	-	-	-	0.044519213
WTH3DI	150786	3672	-	-	0.057539423	-
HGC6.3	1E+08	1016	-	0.438647017	-	-
PDLIM1	9124	1462	-	-	0.144517621	0.138460235
HLA-DPB2	3116	805	-	0.553621577	-	-
NEUROD4	58158	3971	-	-	-	0.101953595
FAM47E	1E+08	1564	-	-	-	0.129430219
PRKCDBP	112464	1039	-	-	0.203353957	-
B3GALT2	8707	3548	-	0.125610307	-	-
MYL9	10398	1212	-	-	0.174327361	-
RPL36A-HN	1.01E+08	2536	-	-	-	0.079822107
TDRD12	91646	1617	-	0.137806237	0.130664664	-
OTUD7A	161725	3042	-	-	0.138911743	0.199633987
CELA2B	51032	941	-	-	-	0.215121002
QRFP	347148	411	-	-	0.514074845	-
C15orf56	644809	2125	-	0.20972488	-	0.190521283
HCK	3055	2234	-	-	-	0.181225482
CNFN	84518	543	-	0.820746537	-	0.372797169
CXorf22	170063	3667	-	0.060767026	-	-
PDZD4	57595	3745	-	-	0.056417827	-
ARPC4-TTL	1.01E+08	3987	-	0.055889813	-	0.050772225
ARSJ	79642	4689	-	-	-	0.043171009
RAP1GAP	5909	3495	-	0.063757564	0.18136031	0.11583912
KCNK17	89822	1741	-	0.127991203	-	-
LINC00488	677779	2524	-	0.176571066	0.083710286	0.160403219
MEGF10	84466	7689	-	0.086942132	-	-
STARD13	90627	5929	-	-	0.035635817	0.034142159
DNAH9	1770	13750	-	-	0.015366164	-
PCDHGA7	56108	4605	-	0.048389291	-	0.087916987
C5orf20	140947	3144	-	-	-	0.064385771
LOC10014	1E+08	628	-	1.064487347	1.345762811	-
PDC	5132	1258	-	0.1771325	-	-
SPSB4	92369	2455	-	-	0.086063039	-
KRTCAP3	200634	956	-	0.466177165	0.442018329	0.423491345
ZNF404	342908	1868	-	-	0.113107474	-
MMP1	4312	2081	-	-	0.1015304	-



WEE2	494551	3061	-	0.145594698	-	0.132263223
GRM1	2911	6939	-	-	-	0.029172628
CSRNP3	80034	11788	-	-	0.017923716	-
CLUL1	27098	1951	-	0.1142146	-	0.103756465
PRAP1	118471	807	-	1.104499057	0.78544521	0.752523654
AATK	9625	5327	-	-	0.198314963	-
HRASLS2	54979	785	-	-	-	9.799104194
PTK2	5747	4550	-	0.048974216	-	-
GLTPD2	388323	1239	-	-	0.341056919	0.490142525
TMPRSS11	389208	2077	-	-	-	0.097462139
KCNH3	23416	3853	-	-	0.219345716	-
TRPV3	162514	3420	-	-	0.06177917	-
ALDOB	229	2426	-	-	0.087091822	0.083441411
LOC100129	1E+08	632	-	0.352583362	-	-
LOC647107	647107	1533	-	-	0.413473114	0.13204753
LINGO1	84894	2932	-	-	-	0.069041222
KRT4	3851	2147	-	0.10378793	-	-
SOSTDC1	25928	1883	-	0.236678369	0.112206459	-
LOC100289	1E+08	640	-	-	-	0.316295098
DCT	1638	2403	-	-	-	0.168480119
CCR8	1237	1487	-	-	0.284175873	-
KIAA0664L	1E+08	1789	-	0.124557118	-	-
NOTUM	147111	2281	-	0.097690787	-	-
ESR2	2100	2745	-	0.081177663	0.153941538	-
SLC6A1	6529	4494	-	-	0.047014856	-
LBX2	85474	1463	-	-	-	0.138365593
LYPD5	284348	2518	-	0.088495903	0.083909754	-
COL5A3	50509	6192	-	0.071974381	-	0.032692
C15orf60	283677	938	-	-	0.225250279	-
TAF1L	138474	6216	-	0.143392976	0.20394282	0.162828879
MFSD6L	162387	2258	-	-	0.093571639	0.179299259
LOC100130	1E+08	496	-	-	0.425977341	0.408122708
GADL1	339896	3655	-	-	-	0.055384094
HSD17B8	7923	989	-	0.225311107	-	-
CHRNA6	8973	2400	-	-	-	0.08434536
MUTED	63915	2565	-	0.086874341	0.082372227	-
TRPV4	59341	3250	-	-	-	0.124571608
ANKRD53	79998	2120	-	0.105109757	-	0.286455938
RIPK3	11035	1940	-	-	-	2.295585044
BEST2	54831	1924	-	-	0.109815365	-
ZCCHC18	644353	3055	-	0.072940322	0.069160315	-
PMP2	5375	3579	-	0.062261158	-	-
CCL24	6369	360	-	98.41776909	11.7380423	259.7837075
MT1JP	4498	408	-	0.546158541	-	-
CTRC	11330	917	-	0.486003674	0.460817364	0.441502427
CD276	80381	3419	-	-	-	0.059207038
ZNF670-ZN	1.01E+08	1119	-	0.398271108	0.755262775	-
LOC729150	729156	2426	-	0.09185189	-	-
RDH12	145226	1934	-	-	0.2184951	0.62801095
TAS2R30	259293	960	-	0.23211738	0.220088293	0.632590197
CEACAM25	90273	1378	-	0.646829274	-	0.440701443
C15orf38	348110	2128	-	0.209429215	-	0.190252691
RFX6	222546	3517	-	-	-	0.518015288
NSUN7	79730	3711	-	-	-	0.054548333
RNF149	284996	2968	-	0.075078398	0.071187588	0.13640759
CXCL5	6374	2475	-	-	-	0.08178944
NAPSA	9476	1438	-	-	-	0.703855574
TISP43	150527	2290	-	-	-	0.088396883
OR52N1	79473	963	-	0.231394273	-	0.420413007
LOC100129	1E+08	629	-	-	0.335905821	0.321826491
LCN12	286256	694	-	0.32108456	-	0.291684241
TCTEX1D4	343521	1278	-	0.871802366	0.165324539	1.267160331

VGLL3	389136	10396	-	0.042868927	0.020323659	0.058415409
LRRC36	55282	2416	-	0.092232071	-	-
CLDN6	9074	1389	-	-	0.304225718	-
LINC00284	121838	2564	-	-	-	0.157900829
EFHD1	80303	2000	-	-	0.105642381	0.101214431
PPAP2B	8613	3324	-	-	0.063563406	0.121798353
CNDP1	84735	2211	-	-	0.095560724	-
GPR52	9293	1472	-	0.1513809	-	-
TSTD1	1E+08	688	-	-	-	0.588455997
C9orf173	441476	1173	-	0.189968188	0.180123411	0.172573626
XCR1	2829	1373	-	-	-	0.147435443
ZNF19	7567	2743	-	-	-	0.147596692
EPHB1	2047	4691	-	0.047502171	-	0.086305207
HAS2-AS1	594842	2300	-	0.096883776	-	0.088012549
HCAR3	8843	2152	-	0.207093573	0.392722605	21.63505506
CASC2	255082	2407	-	-	-	0.168200135
UNC45B	146862	5694	-	-	-	0.071102516
ZHX1-C80	1.01E+08	1542	-	0.144508875	0.274039898	-
C4orf45	152940	817	-	-	-	0.495541892
CXCL11	6373	1610	-	0.138405394	-	5.155020734
BTBD19	149478	1572	-	0.425253215	-	2.060344661
USH2A	7399	18883	-	0.011800704	-	-
TEAD2	8463	2220	-	0.401500333	0.095173316	0.455920863
TMEM183	653659	1706	-	0.130617049	-	-
TMEM51	55092	2031	-	-	-	0.099669553
ADAM20	8748	2807	-	-	0.075270667	0.072115733
ZNF594	84622	4877	-	0.091381048	-	0.124520523
PLEKHA6	22874	7434	-	0.179848817	-	0.408452104
RUNDC3A	10900	1879	-	-	0.112445323	-
TTPA	7274	2633	-	0.08463072	-	-
HOXA7	3204	2018	-	0.11042254	-	-
RPSAP52	204010	1169	-	0.381236415	0.180739745	-
VRTN	55237	3464	-	0.064328142	-	-
GPR144	347088	2892	-	-	-	0.139992298
PRH1	5554	673	-	0.331103543	-	-
CACNG4	27092	3430	-	-	-	0.059017161
BAIAP2	10458	3352	-	0.199432594	0.56729202	2.838352195
TAS2R60	338398	957	-	-	0.220778225	-
TRPC2	7221	1196	-	0.186314954	-	0.677019609
RUSC2	9853	5636	-	-	0.037488425	0.107751346
SLC9A11	284525	4427	-	0.050334919	-	0.091451937
KRT80	144501	3894	-	-	0.108518111	-
HCRTR1	3061	2001	-	0.111360662	-	-
LOC146330	146336	2948	-	0.075587749	-	0.137333014
TMEM30C	644444	319	-	-	-	0.634573238
LRRC24	441381	1789	-	-	-	0.113151964
C1orf173	127254	7170	-	0.031078478	-	0.056465513
CYGB	114757	1951	-	-	0.108295623	-
LOC100500	1.01E+08	2935	-	-	-	0.068970652
FAM83E	54854	2011	-	0.221613809	0.105064526	0.100660797
POTEKP	440915	2933	-	-	0.072037082	-
GGNBP1	449520	999	-	0.22305574	-	0.202631494
ATP8A2	51761	5006	-	-	0.042206305	-
C10orf105	414152	4837	-	5.067520224	0.131042854	8.830368014
SLC2A7	155184	1539	-	0.144790568	-	-
C9orf50	375759	1624	-	1.234910199	-	1.121834832
GUCY2GP	390003	2974	-	0.074926928	-	-
GPR25	2848	1086	-	0.615559903	-	0.186398585
GRIN3B	116444	3270	-	-	-	0.061904851
TMEM145	284339	1779	-	0.125257271	0.237532053	0.113788006
LOC348760	348761	3526	-	-	0.05992194	-
POM121L2	94026	3170	-	0.070294222	0.066651344	-

FCGR3A	2214	2406	-	-	-	1.177890308
ZNF454	285676	2172	-	-	-	0.093199292
HCG9	10255	670	-	0.665172193	-	-
RBPMS2	348093	2019	-	0.110367848	0.104648223	0.100261943
FOXE1	2304	3473	-	-	-	0.058286456
C14orf39	317761	2779	-	-	0.076029061	-
CLCA2	9635	4043	-	-	-	0.050068974
TMED11P	1E+08	545	-	-	-	0.371429106
LOC64258	642587	899	-	-	-	0.225171149
FBXO32	114907	1530	-	0.145642278	0.138094615	1.190758017
RNU11	26824	135	-	1.65061248	1.565072306	1.499473059
GFRA2	2675	3376	-	-	0.125168697	-
THRSP	7069	1182	-	0.18852173	0.178751913	0.171259613
GREB1L	80000	6052	-	-	0.06982312	-
AQP7	364	1258	-	0.1771325	-	-
KIAA0284	283638	6715	-	-	0.062929192	-
USHBP1	83878	2410	-	-	-	0.167990758
CELA3A	10136	922	-	-	-	0.219554081
COBLL1	22837	4923	-	-	0.042917888	-
SVEP1	79987	12356	-	-	-	0.016383042
TMEM63C	57156	5434	-	0.041007119	-	0.111756825
SERPINE3	647174	1441	-	0.154637533	0.146623707	0.28095609
COL12A1	1303	11579	-	0.019244553	-	-
CAMK2B	816	4586	-	0.14576931	0.138215064	0.750390465
CYP7A1	1581	2875	-	-	-	0.070410039
LOC14547	145474	1859	-	0.119866963	-	0.217782531
TMX2-CTM	1.01E+08	6251	-	0.035647526	-	-
LHX2	9355	2416	-	0.461160357	0.087452302	-
SHBG	6462	1311	-	-	-	0.154407981
GDNF	2668	3830	-	0.058180858	-	0.052853489
LRRC32	2615	4327	-	2.986895243	-	14.22194923
C1QC	714	1205	-	-	0.350680102	0.167990758
HSP90B3P	343477	1362	-	-	-	0.148626184
CR1L	1379	1837	-	0.363907487	0.230032402	0.991758175
PLEKHD1	400224	1812	-	0.122976095	-	0.223431416
PDGFB	5155	3393	-	-	-	0.238642927
LOC15409	154092	1717	-	0.778681484	-	0.3536905
C10orf81	79949	3459	-	0.128842258	-	0.117044731
RUNDC3A	10900	2047	-	-	-	0.296671514
GRID2IP	392862	4632	-	-	-	0.043702259
PHYHD1	254295	2155	-	0.206805276	0.294131918	0.281803522
SFN	2810	1336	-	0.333581863	-	-
RGS4	5999	3480	-	-	-	0.116338427
ESYT3	83850	4449	-	-	0.047490394	-
HSD11B1	3290	1479	-	0.451993275	-	3.558587178
SCUBE2	57758	4550	-	0.097948433	-	0.6673479
DOCK9	23348	7661	-	-	-	0.026423295
TSPAN16	26526	1040	-	-	-	0.389286275
C13orf15	28984	1126	-	-	-	0.179776965
OR2B11	127623	954	-	0.233577238	-	-
GCNT3	9245	2240	-	-	-	0.090370028
APITD1-CC	1.01E+08	1349	-	0.165183606	-	-
C1orf170	84808	3041	-	0.073276121	0.138957423	0.066566545
HNRNPUL2	1.01E+08	4014	-	-	0.052636961	0.050430708
ACP5	54	1663	-	-	-	0.365175339
IFNA2	3440	1143	-	-	-	2.479443641
AFAP1L2	84632	3997	-	-	0.052860836	-
LIF	3976	3935	-	3.341074562	-	11.31749679
LPAL2	80350	2041	-	-	2.173924541	2.082805547
TLR8	51311	4216	-	0.158562157	0.100229963	1.680505266
FAM138D	677784	1128	-	0.197546706	-	-
FLRT2	23768	7185	-	-	-	0.028173815

CCDC155	147872	2383	-	0.09350931	-	-
HMCN1	83872	18212	-	0.024470974	-	0.088921091
TLR2	7097	3417	-	-	-	0.118483385
PPY	5539	457	-	-	-	0.44295156
ANXA10	11199	1447	-	-	-	0.279791103
LSP1	4046	1756	-	-	0.120321618	-
KRT78	196374	1785	-	-	0.118366813	0.226811051
CROT	54677	3342	-	-	0.063221054	-
PRR23A	729627	2307	-	0.096589807	0.18316841	0.438727488
C4BPA	722	2256	-	0.790186825	-	0.179458212
VSTM1	284415	1034	-	-	-	0.195772595
FXD4	53828	787	-	-	-	1.028863344
SUSD2	56241	3201	-	-	0.198017583	-
PCDHB11	56125	3271	-	0.068123719	-	-
GOLGA8C	729786	5282	-	-	0.040000901	-
HHIP	64399	3555	-	0.062681487	0.059433126	-
GNAI1	2770	3318	-	-	-	0.061009302
C16orf11	146325	2245	-	-	0.094113479	-
MSR1	4481	3761	-	-	-	0.376762042
FGFBP1	9982	1219	-	-	-	0.166061413
PANX3	116337	1609	-	-	0.131314333	-
CLMP	79827	2645	-	-	0.079880817	-
NME2	4831	867	-	27.75770467	-	-
FKBP1A-SD	1.01E+08	1689	-	-	-	0.11985131
DEFA1	1667	514	-	2.601159744	-	1.575321891
SPARCL1	8404	3058	-	0.072868765	-	-
ZNF781	163115	3142	-	-	0.067245309	-
KITLG	4254	5460	-	-	-	0.037074883
MRC1	4360	5171	-	-	-	0.039146947
ALS2CL	259173	5224	-	0.34124454	-	0.271248476
TRIM34	53840	2326	-	-	-	0.261086238
SLC34A3	142680	2180	-	-	-	0.185714553
LINC00240	1E+08	983	-	0.226686353	-	-
psiTPTE22	387590	1483	-	0.150258048	-	0.545998282
FAM27A	548321	703	-	0.316973947	-	-
FAM163A	148753	2927	-	-	0.072184749	-
MYH1	4619	6038	-	0.036905049	0.034992508	-
CNTNAP4	85445	4867	-	-	-	0.041592123
FLJ39739	388685	1065	-	-	0.198389447	0.19007405
FNDC7	163479	3064	-	-	0.068957168	-
TSPAN6	7105	2069	-	0.107700669	-	-
MYH8	4626	6038	-	-	0.034992508	-
SLC22A13	9390	2560	-	-	-	0.158147549
PAPPA2	60676	6940	-	-	-	0.029168424
C20orf201	198437	894	-	-	0.236336422	-
LOC153910	153910	2293	-	-	-	0.088281231
ARNTL	406	2828	-	-	-	0.07158022
SYNGR3	9143	2076	-	-	-	0.097509086
NR5A2	2494	5054	-	0.044090361	-	0.080106396
PLEKHB1	58473	2391	-	-	-	0.084662845
FAM198B	51313	4854	-	-	0.087055938	0.041703515
PRR4	11272	353	-	0.631254064	-	-
LOC152024	152024	2241	-	0.099434487	0.094281464	-
ADAMTS2	9509	6772	-	0.065810007	0.124799032	0.538056635
OR52K2	119774	1067	-	0.417680759	0.198017583	2.276613267
LOC729121	729121	1674	-	0.266227819	0.126215509	0.120925247
ARHGAP29	9411	9121	-	-	-	0.022193714
SGCG	6445	1661	-	-	0.127203348	-
EDN1	1906	2112	-	0.4220316	0.3001204	7.188524963
POU4F3	5459	1182	-	-	-	0.342519227
LINC00264	645528	1117	-	0.199492108	-	-
GNAO1	2775	3332	-	-	-	0.06075296

KNG1	3827	2732	-	0.407819701	-	-
HSF5	124535	4107	-	0.054256802	-	-
PDCD1	5133	2115	-	0.105358243	-	0.574266278
RNU5A-1	26831	116	-	-	-	1.745076405
CORO2B	10391	3623	-	0.184515058	0.058317627	9.889569071
C19orf75	284369	1706	-	-	0.123848043	-
MFAP3L	9848	6204	-	-	0.034056216	-
PDZD3	79849	2363	-	0.094300755	-	0.085666044
PRRT2	112476	2606	-	-	0.081076271	0.310711992
TMEM217	221468	2009	-	0.332751645	-	0.403044028
CKLF-CMT1	1.01E+08	635	-	0.350917614	-	-
TMEM176	28959	1444	-	0.154316264	0.292638174	-
KCNE1	3753	3392	-	1.510952756	0.124578279	3.043594343
LOC38949	389493	682	-	-	0.619603406	-
WISP2	8839	1433	-	0.311001654	-	-
TMOD1	7111	3352	-	-	-	0.060390472
C15orf50	414926	1330	-	-	0.158860723	0.152202153
DPY19L2P3	442524	1691	-	0.527102743	0.499786544	0.359128675
NR2E3	10002	1999	-	-	0.105695228	-
MLLT4	4301	7629	-	-	0.027694948	-
SULT1B1	27284	1320	-	0.16881264	-	-
APITD1-CC	1.01E+08	1383	-	-	0.152772785	-
HLA-DQB1	3119	1241	-	0.179558972	-	-
PPFIA2	8499	5424	-	0.041082722	-	0.037320956
SDPR	8436	3265	-	1.706222701	-	2.727984677
C21orf90	114043	1045	-	-	0.202186375	-
KIR2DL4	3805	1610	-	-	0.262465542	0.502928852
OVCH2	341277	1695	-	-	0.124651777	-
LOC72887	728875	772	-	-	0.273684924	-
S100A12	6283	466	-	2.390908635	2.267003877	9.556727436
KCNK4	50801	1820	-	0.244871082	-	-
GPR45	11250	1725	-	0.258356736	-	-
SLC12A1	6557	4717	-	0.09448068	-	-
CNTN2	6900	7670	-	-	0.027546905	-
FLT4	2324	4534	-	-	0.093200159	-
EDNRB	1910	4296	-	0.051869806	0.049181741	-
ZNF750	79755	3218	-	0.069245707	-	-
TDRD6	221400	8977	-	-	-	0.022549723
LCK	3932	2135	-	-	-	0.094814456
PLK2	10769	2795	-	-	0.075593832	-
LOC57255	572558	536	-	-	-	0.377665789
GPR88	54112	3465	-	0.064309577	-	0.116842057
MYO16	23026	7436	-	-	-	0.108891266
DSCR9	257203	458	-	-	-	0.441984417
CCDC162P	221262	715	-	-	0.295503163	-
PSAPL1	768239	4700	-	-	-	0.043069971
SPIN2A	54466	1351	-	-	0.156391385	-
F2	2147	2018	-	-	0.10470008	0.100311627
CDC42BPA	8476	10527	-	0.021167729	-	-
LOC44245	442459	2175	-	-	-	0.093070742
OR2AE1	81392	972	-	-	0.217371154	-
CDH17	1015	3699	-	0.180723994	0.171358282	-
NR1H4	9971	2492	-	0.089419215	-	-
CNGB1	1258	5663	-	-	0.149238751	0.178729351
ESX1	80712	1591	-	-	0.132799976	-
GBP7	388646	2454	-	-	-	0.247468048
ABI3BP	25890	4488	-	-	-	0.04510447
DBH	1621	2812	-	-	0.075136828	-
CAGE1	285782	3255	-	-	0.064910833	-
BRD7P3	23629	2474	-	-	-	0.245467498
PRR18	285800	2704	-	-	-	0.074862745
GLIS3-AS1	84850	730	-	0.610500506	-	0.554599625

CELF5	60680	5008	-	0.088990689	-	-
OR52K1	390036	1030	-	-	-	1.17919726
TNFRSF18	8784	1214	-	-	-	0.166745357
LOC723809	723809	1911	-	-	-	0.105928238
FOXH1	8928	2193	-	0.101610891	0.09634508	-
AP1M2	10053	1756	-	0.126897884	-	-
PATE1	160065	1576	-	0.141391297	-	-
C14orf23	387978	3154	-	0.07065082	-	-
TRIM67	440730	8522	-	0.026147933	-	-
SEL1L2	80343	2248	-	-	0.093987883	-
SLC35F4	341880	1779	-	-	-	0.113788006
DDIT4L	115265	2649	-	0.084119549	-	-
CLEC1A	51267	1791	-	-	-	0.45210243
OR1K1	392392	951	-	-	0.222171148	-
RARRES1	5918	1545	-	0.144228275	-	0.131021918
CCL3L1	6349	804	-	-	0.788375975	3.776657891
TAS2R38	5726	1143	-	-	-	0.354206234
MGC39372	221756	1272	-	0.175182928	-	0.477426564
CLEC6A	93978	1613	-	0.138147976	-	0.878488556
FFAR1	2864	923	-	-	-	0.219316211
FAM3B	54097	1384	-	-	-	0.585054517
PDYN	5173	2800	-	0.318332407	-	0.506072157
VHLL	391104	1014	-	0.219756099	-	-
GRIK1	2897	3489	-	0.127734414	0.30278699	0.232076656
ARG1	383	1447	-	7.083831028	0.43804719	88.13419742
ZNF20	7568	3077	-	-	-	0.065787736
ADCY4	196883	3720	-	0.539111334	-	1.741323552
SORT1	6272	7034	-	0.095038108	-	0.259007644
POC1B-GA	1.01E+08	4740	-	0.047011115	-	-
PDK4	5166	3710	-	-	-	0.054563036
LOC339524	339524	3429	-	-	-	0.23613749
OVOL1	5017	3007	-	-	0.140528607	0.269276838
ESPNP	284729	2015	-	-	0.104855961	-
LINC00244	64433	611	-	0.364701612	-	-
KIAA0125	9834	9613	-	-	0.153853462	0.147404769
NR5A1	2516	3095	-	0.071997636	-	0.130810251
RUFY4	285180	3638	-	0.12250285	-	0.500786082
ZNF85	7639	2331	-	0.286785952	-	-
AMZ1	155185	4415	-	0.100943459	-	0.091700504
SPDEF	25803	1894	-	0.117651893	-	-
FOXE3	2301	2000	-	-	0.211284761	-
OLFM4	10562	2935	-	0.1518451	-	0.206911955
FAM177B	400823	1345	-	-	-	0.150504731
SAT2	112483	983	-	-	1.074693598	4.942312015
NLRP9	338321	3484	-	0.063958865	0.060644306	-
TC2N	123036	5030	-	-	0.084009845	-
STXBP6	29091	1970	-	0.226226076	0.107251148	-
CDH13	1012	4134	-	0.053902439	-	0.097933654
FAM171A1	221061	3964	-	0.224856392	0.053300898	0.919202708
GPR152	390212	1429	-	0.155936098	-	0.141657707
C14orf166	145497	1734	-	-	-	0.233481964
UBL4B	164153	1510	-	0.147571314	-	0.268117699
TBX5	6910	3921	-	0.056830575	-	-
C14orf183	196913	975	-	0.228546343	-	-
FAM132A	388581	1055	-	0.211215815	0.200269916	-
PCDHGA3	56112	4605	-	0.096778582	-	-
ODF3	113746	1331	-	-	-	0.152087801
LINC00421	1E+08	1067	-	0.208840379	0.198017583	-
TNFAIP8L2	1.01E+08	1948	-	0.22878099	0.108462403	-
CHADL	150356	2533	-	0.087971846	-	-
ALX4	60529	5466	-	0.040767048	0.038654365	0.111102559
C15orf63	25764	1295	-	-	-	0.156315724

C13orf35	400165	2241	-	0.198868973	0.188562928	-
NAA11	84779	1549	-	0.143855833	-	-
ANGPTL7	10218	2255	-	-	-	0.089768897
LOC10052	1.01E+08	382	-	1.166663271	-	-
RAPSN	5913	1671	-	-	0.252884215	0.121142348
WFDC12	128488	774	-	-	-	0.261535999
CRHR2	1395	3131	-	-	0.067481559	-
NIPAL1	152519	2204	-	-	0.095864229	0.091846127
FGD5	152273	5897	-	-	-	0.034327431
C1orf187	374946	1773	-	-	0.119167942	0.228346151
WDR16	146845	2207	-	0.100966327	0.4786696	-
OR5B21	219968	930	-	0.479210075	0.227187915	1.305992664
ADAM12	8038	6093	-	-	0.069353278	0.033223184
PURG	29942	1972	-	-	0.107142374	-
PBX1	5087	6918	-	0.032210564	-	-
LILRB5	10990	2282	-	-	-	0.088706776
TRIM72	493829	2152	-	0.31064036	0.098180651	0.376261827
AACSP1	729522	2175	-	-	0.097142419	0.093070742
RBAK-LOC3	1.01E+08	858	-	-	0.246252636	-
EGLN2	112398	2264	-	-	0.466618289	-
CRIP3	401262	956	-	-	-	0.211745673
MAP1LC3B	643246	832	-	0.267827746	0.507896061	0.486607844
KRT17	3872	1574	-	0.849425736	0.134234283	2.057726688
FLJ32224	440584	1138	-	-	-	0.355762501
TPD52L1	7164	1409	-	-	0.149953699	-
LOC40004	400043	1411	-	-	0.149741149	-
IQUB	154865	3115	-	0.143070745	0.067828174	0.064985189
MTUS2	23281	6957	-	0.064059993	-	0.116388594
C20orf152	140894	1936	-	0.230199054	-	-
HSD17B14	51171	1277	-	-	-	0.158519078
WNK2	65268	6834	-	-	-	0.029620846
POU5F1B	5462	1599	-	0.139357526	-	-
GAS2L2	246176	3025	-	-	0.069846202	-
OR52N4	390072	1037	-	0.429764098	0.203746154	0.976031162
FAM83C	128876	3191	-	0.069831615	-	0.063437437
GIMAP5	55340	1895	-	0.117589807	-	0.106822619
RLN1	6013	967	-	-	-	0.209336983
ENOX1	55068	3037	-	0.073372632	-	-
ATP2C2	9914	3403	-	0.065481247	-	0.654339551
GRIK1-AS2	1E+08	1073	-	0.415345172	0.590730926	0.754627635
TREML4	285852	2088	-	-	-	0.290846067
WNT4	54361	3905	-	0.057063428	0.054106213	0.051838377
HABP2	3026	3019	-	-	-	0.067051627
CFB	629	2646	-	0.084214922	-	0.61202982
MYADML2	255275	2469	-	-	0.085575035	-
AIM1L	55057	5245	-	0.042484783	0.040283081	0.038594635
S100A14	57402	1057	-	-	-	0.191512642
FAM20A	54757	3712	-	-	0.056919386	-
HNF4A	3172	3239	-	-	0.065231479	0.062497333
PRCD	768206	2081	-	0.107079618	-	-
GPR1	2825	2330	-	0.382545382	0.36272062	0.521276042
CST6	1474	618	-	-	0.683769454	-
LOC10010	1E+08	1255	-	0.177555924	0.336708783	0.806489494
CACNG1	786	1327	-	-	-	0.152546242
WDR69	164781	1669	-	0.934588852	-	4.60892558
TAS2R50	259296	1000	-	-	0.211284761	0.202428863
SYN3	8224	3147	-	-	0.067138469	-
ELN	2006	3480	-	-	-	0.058169213
ITGAD	3681	3912	-	0.170883961	0.054009397	0.672693052
EVC	2121	6430	-	0.069310322	-	-
SLC18A1	6570	2974	-	0.074926928	-	0.272264779
TFF3	7033	1054	-	-	0.200459925	-

FAP	2191	2788	-	-	0.07578363	0.653464766
ATP4B	496	1509	-	0.147669109	-	-
KLHL33	123103	1863	-	-	0.113411037	-
TRIM31	11074	2049	-	-	-	0.889145811
POU5F1P3	642559	1084	-	0.616695622	-	0.560227481
C19orf46	163183	1541	-	0.289205301	0.137108865	0.131362014
ZNF683	257101	1668	-	-	-	0.12136023
TMEM191	728229	1334	-	-	0.316768758	-
APLP1	333	2450	-	-	-	0.082624026
TSGA10IP	254187	1726	-	-	-	0.586410379
HAP1	9001	3944	-	0.112998319	0.053571187	0.15397733
HOXC12	3228	849	-	-	0.248863088	0.476864224
RBP7	116362	704	-	-	-	0.575081997
HIST1H4I	8294	370	-	-	0.571039896	0.547105035
DDX39B	7919	2044	-	-	-	1.188427767
KLK11	11012	1289	-	-	-	0.157043338
LOC40117	401177	2322	-	-	0.090992576	-
FABP5P3	220832	856	-	1.041274228	-	0.236482317
WDR65	149465	3125	-	-	0.067611124	-
LOC44033	440335	890	-	14.77205438	-	7.050892979
NACAD	23148	4778	-	-	-	0.084733722
PTRF	284119	3651	-	0.061033329	0.057870381	0.055444772
DNAH3	55567	12351	-	-	0.034213385	0.016389674
NPBWR2	2832	1002	-	0.444775818	-	-
REM2	161253	1885	-	0.472854503	-	0.322167952
USP50	373509	1392	-	-	0.15178503	0.290846067
GUCY2D	3000	3641	-	0.061200957	-	-
IGFALS	3483	2282	-	-	0.092587538	0.266120328
PCSK1	5122	5166	-	-	0.040899102	-
ZNF467	168544	2295	-	0.291284555	0.092063077	0.793838678
NHS	4810	8776	-	0.050782289	0.024075292	0.046132375
CNR1	1268	8974	-	0.049661842	-	0.157900829
MGC34034	154089	3517	-	-	0.06007528	-
HEPACAM	253012	2110	-	-	-	0.09593785
ORM1	5004	847	-	2.630846337	0.748352165	31.06936503
PTN	5764	1558	-	-	-	0.129928667
C1orf194	127003	742	-	-	0.569500704	-
RARRES2	5919	767	-	-	0.27546905	-
NPEPL1	79716	2160	-	-	-	1.124604794
TMEM132	54972	3520	-	-	0.06002408	-
GDPD4	220032	2545	-	-	0.083019553	-
RNF151	146310	796	-	0.279940559	-	-
ZNF208	7757	9088	-	0.024519442	-	0.044548605
LCA5	167691	4729	-	0.047120466	-	0.04280585
PPP1R26	9858	4959	-	-	-	0.040820501
PCDHGB6	56100	4599	-	-	0.045941457	-
KRTAP2-4	85294	812	-	0.274424489	-	-
TMEM37	140738	1687	-	0.132088136	0.751457361	0.359980195
DLG3	1741	5087	-	-	-	0.039793368
ACP5	54	1506	-	0.14796327	-	-
C17orf87	388325	666	-	0.669167221	-	2.735525175
FCGR3A	2214	2204	-	0.101103759	-	-
PPP1R1B	84152	1528	-	0.145832909	-	-
NIM1	167359	2326	-	0.09580081	-	0.087028746
DDO	8528	1733	-	0.514328182	0.243837001	1.401700147
GPR114	221188	3848	-	16.90934094	0.109815365	34.72012722
IFNW1	3467	1514	-	0.14718143	-	-
ELAVL3	1995	4682	-	0.142780447	-	-
SULT1E1	6783	1805	-	0.123453011	-	-
SULF1	23213	5716	-	0.038984025	-	-
ARR3	407	1331	-	0.167417494	0.317482737	-
FAM181A	90050	1848	-	0.241160914	-	0.109539428



PKP3	11187	2845	-	-	0.148530588	-
C9orf24	84688	1184	-	-	-	0.170970323
WBSCR17	64409	3298	-	0.067566005	-	-
PNOG	5368	1245	-	-	-	2.926682356
GPD1	2819	2909	-	0.076601129	0.072631406	0.139174192
AVPR1B	553	1773	-	-	0.119167942	-
SLN	6588	738	-	-	0.286293715	-
SRD5A2	6716	2446	-	0.091100852	-	-
WFIKKN1	117166	1948	-	0.114390495	0.108462403	0.311748762
GPT	2875	1896	-	0.352583362	0.222874221	0.106766278
PDZRN3	23024	4161	-	-	0.1015548	-
LOC64880	648809	1167	-	-	-	0.346921787
IGSF9B	22997	7309	-	0.030487438	-	-
FA2H	79152	2450	-	-	0.086238678	-
PCDHB15	56121	2661	-	-	-	0.076072478
CYP4Z2P	163720	2608	-	0.08544198	-	-
CYCSP52	360155	310	-	0.718815112	-	0.652996332
C18orf32	497661	1505	-	-	0.280777092	-
TREM2	54209	1059	-	-	-	0.191150957
ITIH1	3697	2910	-	0.076574806	0.145212894	0.278252733
PLEKHN1	84069	2404	-	-	-	0.421025089
LIX1	167410	3979	-	0.112004365	0.053099965	0.050874306
LINC00085	147650	2017	-	-	0.209503978	0.10036136
RND3	390	2683	-	0.083053554	-	0.226346101
USP44	84101	3476	-	0.192318197	0.060783878	-
TMC2	117532	3169	-	0.070316404	-	0.127755672
VSIG8	391123	1818	-	0.122570234	0.116218241	0.111347009
LAMA3	3909	10511	-	-	0.0201013	0.05777629
GBP1P1	400759	1234	-	0.18057754	-	12.13917006
INSL3	3640	810	-	-	-	0.249912176
DSCAML1	57453	6899	-	-	0.030625418	0.029341769
NHLRC1	378884	2134	-	-	0.198017583	0.189717772
CHRFAM7A	89832	2858	-	0.233904148	0.221782465	0.283315414
MOGAT3	346606	1420	-	0.156924426	0.297584171	-
LIPF	8513	1537	-	-	0.137465687	-
C5orf46	389336	587	-	-	-	0.344853259
GSTT1	2952	1076	-	-	-	0.188130914
IFLTD1	160492	1285	-	0.693642598	0.328847878	0.630128756
MMP21	118856	1919	-	-	0.110101491	0.10548664
ATG9B	285973	4577	-	-	0.092324563	-
DGKI	9162	4780	-	-	-	0.042349135
KRT16P3	644945	2051	-	-	-	0.789581133
NKAIN1	79570	2930	-	-	0.07211084	0.690883491
ACTN2	88	4528	-	0.049212165	-	0.312942147
CAMK1G	57172	2507	-	-	-	0.161490916
DDX4	54514	2880	-	0.07737246	-	-
RASGRF2	5924	4078	-	0.05464264	0.051810878	-
LGI2	55203	6339	-	-	-	0.03193388
C13orf33	84935	2394	-	-	0.088255957	0.084556751
SECTM1	6398	2282	-	-	-	0.088706776
MSMB	4477	503	-	-	-	0.402443068
C12orf61	283416	1684	-	0.529293788	0.12546601	-
GPR174	84636	1258	-	-	-	0.160913246
LOC10028	1E+08	1771	-	0.125823086	-	0.114302012
ATP5L2	267020	799	-	0.836668403	0.264436497	0.506705539
SKAP1	8631	1601	-	0.139183438	-	0.379317045
TLX1	3195	2146	-	-	-	0.094328454
C2orf89	129293	1733	-	0.257164091	0.1219185	0.116808346
ANGPTL1	9068	3555	-	-	0.178299377	1.822144477
ENPP7	339221	1877	-	-	-	0.215694047
TMPRSS11	401136	3202	-	0.069591719	-	0.063219507
C6orf105	84830	1866	-	-	0.226457408	-

FIGF	2277	2084	-	-	-	0.097134771
SNRPD2P2	645339	776	-	0.287155522	-	-
LOC79015	79015	1157	-	0.385190466	-	7.698245436
POU5F2	134187	1295	-	0.172071571	-	-
RAB34	83871	1785	-	-	0.118366813	-
SCARNA2	677766	420	-	-	-	0.481973483
AK7	122481	2672	-	-	-	0.075759305
EPB42	2038	2554	-	-	0.082727001	0.079259539
C5orf60	285679	1210	-	-	0.174615505	-
DPYSL4	10570	2732	-	-	0.077337028	-
GNLY	10578	995	-	-	-	1.017230467
KRT79	338785	2144	-	0.20786631	0.098546997	0.944164473
AGPHD1	123688	1235	-	0.541293971	-	-
ANKRD5	63926	3839	-	0.058044461	-	0.052729581
P4HTM	54681	2294	-	0.097137177	-	-
NAV2	89797	11020	-	-	-	0.018369225
MYL10	93408	1043	-	0.213645911	-	0.582249846
LOC10013	1E+08	1573	-	0.141660957	-	-
TP53AIP1	63970	1278	-	-	-	0.158395041
GDPD2	54857	2443	-	0.182425448	-	0.082860771
C10orf99	387695	835	-	0.266865491	1.012142569	-
TJP3	27134	2859	-	-	0.221704891	2.761359096
OR9A4	130075	945	-	0.235801783	0.223581758	0.428420874
LOC40064	400643	1751	-	-	-	0.115607575
PIWIL3	440822	3504	-	0.063593803	0.120596325	0.231083177
CTDSPL	10217	4455	-	0.05001856	-	-
GBX1	2636	1324	-	0.168302632	-	0.15289189
SFRP5	6425	1883	-	0.118339185	-	-
HYDIN	54768	3152	-	-	0.067031967	-
ZNF415	55786	2545	-	-	0.083019553	-
LOC10013	1E+08	2579	-	-	-	0.078491223
TMPRSS13	84000	3462	-	0.128730609	-	0.467773225
LOC10050	1.01E+08	994	-	0.224177751	-	0.203650768
CNGA1	1259	2872	-	0.543115875	0.073567117	0.140967175
PROM1	8842	4257	-	0.104690009	-	-
ROR1	4919	3382	-	0.131775686	-	-
COL14A1	7373	6463	-	-	0.032691438	-
KCNS2	3788	3219	-	0.069224195	-	-
ADCY2	108	6553	-	0.102014048	0.032242448	0.092673064
DMKN	93099	1946	-	0.11450806	-	0.416092216
C8orf42	157695	1885	-	-	-	0.107389317
P4HA2	8974	2588	-	-	0.163280341	0.156436525
MFI2	4241	3963	-	0.955880808	0.053314348	0.715115842
AWAT2	158835	2124	-	-	0.099474935	-
PRSS56	646960	2158	-	-	-	0.093803922
FERMT2	10979	3372	-	-	0.187975766	0.060032284
CYP4F2	8529	2360	-	-	-	0.171549884
SLC45A2	51151	2769	-	-	0.152607267	-
LINC00319	284836	3015	-	-	0.070077864	-
DTX1	1840	3317	-	-	0.191092639	0.427193862
SNCAIP	9627	3569	-	0.124871216	-	-
LOC10012	1E+08	2012	-	0.110751831	-	-
MOXD1	26002	3039	-	0.073324345	-	0.133220706
HLA-DMB	3109	1412	-	-	-	0.57345287
DNAAF1	123872	2451	-	0.090915008	-	2.064757884
CDH5	1003	4134	-	-	-	0.146900481
VPREB3	29802	602	-	-	-	0.33626057
MYH6	4624	5941	-	-	-	0.034073197
CRB3	92359	1118	-	0.398627343	0.377969162	-
EXTL1	2134	4021	-	0.055417231	-	0.201371662
CACNA1I	8911	10007	-	-	0.021113697	0.566404333
PTGR1	22949	1409	-	0.158149528	-	-

MAFA	389692	2373	-	0.18780673	0.089036983	0.511830248
TBC1D26	353149	1883	-	-	0.224412917	-
C6orf145	221749	2211	-	-	0.095560724	0.274666028
CYP2A7	1549	2281	-	0.195381574	0.185256257	0.088745665
ENPP2	5168	3276	-	-	0.064494738	1.544786805
HIST1H3B	8358	472	-	1.416309437	-	-
RFX4	5992	3965	-	-	0.053287456	-
PRSS8	5652	1940	-	0.114862209	-	0.626068648
PLGLB1	5343	3011	-	-	0.07017096	-
AKR1C1	1645	1384	-	-	-	0.292527259
LIPG	9388	4143	-	-	-	0.048860454
PLBD1	79887	1951	-	-	-	0.103756465
DUOX2	50506	6428	-	0.034665943	-	0.094475201
CLDN19	149461	3602	-	0.123727199	0.175972872	0.056199018
BMP6	654	3105	-	-	0.068046622	-
SCARNA11	677780	137	-	-	1.542224535	-
GIMAP4	55303	1983	-	0.1123715	-	6.839502682
MATN1	4146	3830	-	-	-	0.052853489
MECOM	2122	5740	-	0.698778454	-	0.211598115
KRTAP5-7	440050	898	-	0.248143301	0.235283699	-
FAM205A	259308	4311	-	-	-	0.046956359
HEPH	9843	4509	-	0.049419535	0.046858452	0.583627239
XKR7	343702	2929	-	-	0.07213546	0.069111937
C11orf34	349633	1541	-	0.144602651	-	-
PCDHGB1	56104	4590	-	-	-	0.088204298
C9orf106	414318	843	-	-	-	0.480258275
LOC10050	1.01E+08	2191	-	0.305110933	-	-
VN1R1	57191	1566	-	0.284588359	0.404760079	-
SPATA12	353324	2430	-	-	0.347793846	0.249912176
IFNA14	3448	778	-	-	-	0.260191341
LOC10013	1E+08	1858	-	-	-	0.108949872
BMX	660	2592	-	0.1719388	0.489085096	1.093365772
CBS	875	2609	-	0.085409231	-	-
C11orf85	283129	843	-	-	-	0.480258275
PLAC1	10761	1126	-	0.395795177	0.375283768	0.179776965
TRIM50	135892	2047	-	0.108858175	-	-
GPR18	2841	1676	-	0.132955062	0.126064893	0.845466611
PTCHD3	374308	2528	-	0.08814584	-	-
ARHGEF37	389337	4865	-	0.045803224	0.04342955	0.083218443
COL1A1	1277	5927	-	-	-	0.170768401
LOC72864	728643	542	-	-	0.389824283	0.373484987
AGRP	181	783	-	0.284588359	-	-
SCNN1A	6337	3497	-	0.254884398	-	0.405205045
HDAC9	9734	4463	-	0.049928901	-	-
FBLN1	2192	2485	-	0.0896711	0.085024049	0.325841228
UPK1A	11045	1223	-	-	-	0.165518285
C7orf63	79846	3909	-	-	0.054050847	-
NKAPP1	158801	2434	-	0.091549994	-	-
CNTD2	79935	1817	-	-	0.116282202	-
CACHD1	57685	5274	-	0.042251173	-	0.038382416
OR6M1	390261	942	-	0.236552744	-	-
SRPX	8406	1920	-	-	0.110044147	-
HIST1H4D	8360	367	-	-	1.151415593	-
PAK6	56924	3939	-	-	0.053639188	-
HIST1H2AK	8330	460	-	-	-	0.880125491
HPD	3242	1916	-	1.163009837	0.330821651	1.690428918
CACNA1C	775	13603	-	0.016381143	-	-
CD3E	916	1534	-	0.145262506	-	0.131961449
SPACA4	171169	978	-	-	0.648112765	-
FRMPD1	22844	4933	-	-	-	0.04103565
BCAR4	400500	1314	-	-	0.1607951	-
GPA33	10223	2793	-	1.834998836	0.075647963	0.217431647

LOC400084	400084	2092	-	0.10651658	-	-
SERF1A	8293	1935	-	0.11515901	-	-
IL26	55801	1047	-	0.212829689	-	-
TTC23L	153657	1369	-	-	0.308670214	-
C6orf132	647024	6742	-	0.066102843	0.156692941	0.090075139
SLC9A2	6549	5446	-	0.040916762	-	-
LOC285548	285548	1749	-	0.127405766	-	-
KNDC1	85442	6773	-	0.065800291	0.031195152	0.089662866
LIPM	340654	1484	-	0.150156796	-	-
ARSD	414	2236	-	0.199313672	-	-
CCDC148	130940	1447	-	-	0.29203146	-
MUC5B	727897	17916	-	-	-	0.011298776
DOK7	285489	2583	-	0.776420504	0.245394612	0.548587704
LOC400680	400680	3760	-	0.059264012	-	0.053837464
CD1C	911	2592	-	-	-	0.078097555
CCL26	10344	562	-	0.396499439	-	0.720387413
MMP10	4319	1777	-	-	0.237799394	0.113916074
GATA6	2627	3494	-	0.191327434	-	0.173808411
VSNL1	7447	2014	-	0.110641849	-	0.100510855
SYT17	51760	1912	-	-	-	0.105872836
PLK5	126520	1928	-	0.115577119	-	-
AQP9	366	3033	-	7.200001024	0.278647888	160.7150353
GDF7	151449	1994	-	-	0.105960261	-
IL2RA	3559	3216	-	0.277155081	0.065697998	4.657878066
SLC34A2	10568	4187	-	-	0.050462088	-
CAMK4	814	2272	-	0.098077766	-	-
TAS1R1	80835	2803	-	0.079497925	-	-
TEKT3	64518	1795	-	-	0.117707388	0.563868699
SNX32	254122	1719	-	-	-	0.117759664
FAIM3	9214	3109	-	0.143346854	0.067959074	1.692875663
TRIML2	205860	1300	-	-	-	0.15571451
FOLR2	2350	1145	-	0.194613698	-	-
LOC729170	729176	2156	-	0.103354678	-	-
ANO9	338440	2879	-	0.077399335	-	0.140624427
FAM162B	221303	1050	-	-	-	2.120683326
NLRP6	171389	2679	-	-	0.078867026	0.075561352
CHST15	51363	4803	-	1.159861986	-	2.865951006
ABCC6P1	653190	2740	-	-	0.077111227	0.295516588
C19orf69	1E+08	946	-	-	-	0.641951997
ARHGEF10	55160	4502	-	-	0.046931311	0.044964208
CLDN25	644672	690	-	-	0.306209799	-
IFNA13	3447	705	-	-	-	0.861399417
CDHR2	54825	4313	-	0.103330714	-	-
COBL	23242	5326	-	-	-	0.152030689
IL13	3596	1282	-	-	-	0.157900829
USP27X	389856	2714	-	0.16420979	0.233549847	0.149173812
OTOA	146183	3624	-	0.061488048	-	-
LOC100133	1E+08	2282	-	-	-	0.088706776
CAP2	10486	3080	-	0.072348274	0.068598948	0.065723657
LOC388906	388906	1256	-	0.354829116	0.336440703	-
NECAB2	54550	1636	-	-	-	0.247468048
MMP13	4322	2735	-	-	-	0.074014209
LINC00310	114036	1269	-	0.702388289	0.332994108	0.638073642
ADCY5	111	6098	-	-	-	0.066391887
LOC100130	1E+08	512	-	-	-	0.395368873
CNGB1	1258	1648	-	0.676070039	-	-
TNFRSF11A	8792	3133	-	0.071124381	0.067438481	0.06461183
C10orf27	219793	1583	-	-	-	0.383630189
APOC2	344	738	-	-	0.286293715	-
TRNP1	388610	1949	-	0.114331803	0.216813506	0.311588809
ACPT	93650	1347	-	-	0.470567397	-
TMEM89	440955	480	-	-	-	0.421726798

EMBP1	647121	4231	-	-	0.049937311	-
NRN1L	123904	633	-	0.352026358	-	0.639585665
SPINK4	27290	386	-	1.154573496	-	-
KRTAP5-8	57830	1198	-	0.372007821	-	0.16897234
VIL1	7429	2759	-	-	0.076580196	-
LOC64410	644100	642	-	43.03933475	-	110.0431046
MLXIPL	51085	3288	-	1.287658458	-	5.971897721
SLC26A10	65012	2446	-	-	-	0.082759143
CLIC5	53405	5988	-	-	-	0.270446043
SLC10A6	345274	1502	-	-	0.140668949	-
C7orf45	136263	1171	-	0.190292643	-	0.172868371
BAIAP2L1	55971	3682	-	0.121038938	0.114766302	0.219911855
PCDHB10	56126	3284	-	0.067854045	-	0.12328189
KLRB1	3820	740	-	0.602250499	0.285519948	0.547105035
AMOT	154796	6945	-	0.03208534	-	-
LRRC10B	390205	2230	-	-	-	0.090775275
ZMYND15	84225	2347	-	0.189887247	0.090023332	-
LOC55310	553103	1801	-	0.371181596	0.117315248	0.224796072
OR2B6	26212	942	-	0.236552744	0.448587604	0.429785272
ECEL1P2	347694	1309	-	-	0.161409291	-
C7orf71	285941	1991	-	0.111919982	0.10611992	-
LOC10027	1E+08	1392	-	-	-	0.145423034
CTAGE1	64693	4315	-	-	0.097930364	-
NPR1	4881	4201	-	-	0.100587842	-
CHRN4	1143	2448	-	0.091026424	-	0.248074587
HCN2	610	3459	-	-	0.122165228	0.058522366
C22orf43	51233	1336	-	0.166790932	-	0.30303722
ABCC12	94160	5168	-	0.04311778	-	-
ADORA1	134	2937	-	0.075870849	-	-
FCRL6	343413	1943	-	-	-	0.208367332
CXCR6	10663	1953	-	0.114097637	0.108184722	0.103650211
FLJ37505	400087	2020	-	0.11031321	-	-
MAR10	162333	3116	-	-	-	0.064964333
DNAH8	1769	14639	-	-	0.014433005	0.027656105
CYP3A43	64816	2167	-	0.102830034	0.097501044	-
TRIM15	89870	2241	-	-	0.094281464	-
CASP14	23581	3153	-	0.141346454	0.067010708	-
TDRG1	732253	1197	-	-	0.176511914	0.169113503
CHRNA1	1134	2094	-	-	-	0.193341798
NPB	256933	634	-	0.702942223	0.666513443	-
SGSH	6448	2770	-	-	0.076276087	0.073079012
CXorf58	254158	1547	-	0.144041813	-	0.261705059
ADH1C	126	1497	-	0.297705658	-	-
GCOM1	145781	4676	-	-	0.045184936	-
HKDC1	80201	3719	-	-	0.170436753	-
RSPH9	221421	1014	-	0.439512199	0.208367615	0.199633987
FBXO15	201456	1767	-	0.126107914	-	0.22912152
TULP2	7288	1791	-	-	0.117970274	-
KIR2DL1	3802	1598	-	-	0.132218249	0.126676385
OPRM1	4988	2569	-	-	-	0.078796755
MEIG1	644890	638	-	-	-	0.317286619
ZNF366	167465	2770	-	-	0.076276087	7.527138225
LOC40198	401980	1873	-	0.118971001	-	0.108077343
FBLN2	2199	4591	-	-	0.046021512	-
CYP27A1	1593	2388	-	0.653194637	0.353910823	1.525845701
MCART3P	442229	1605	-	-	-	0.126123902
CGREF1	10669	1408	-	1.74088035	0.900361199	1.150163994
LOC28574	285740	1915	-	0.349085146	0.110331468	0.422827912
EXOC3L4	91828	2591	-	-	-	0.156255394
FLJ31485	440119	3678	-	0.121170574	0.172336673	0.22015102
LRRC26	389816	1212	-	-	0.174327361	-
FANK1	92565	1395	-	0.159736692	0.605834441	0.145110296

MRAP2	112609	2229	-	-	-	0.090816
SPIB	6689	1493	-	0.149251631	-	0.40675592
LOC100270	1E+08	954	-	0.467154475	0.885889985	-
SERPIND1	3053	2237	-	0.099612286	-	0.090491222
CNGA4	1262	1911	-	-	-	0.211856476
SCN8A	6334	7215	-	0.030884641	0.029284097	0.112226674
TDRD1	56165	4510	-	0.049408578	0.093696125	0.089768897
ERAS	3266	1266	-	0.176013179	0.333783193	-
MTRNR2L7	1E+08	1494	-	-	-	0.135494554
C14orf70	283601	1627	-	0.136959241	-	-
TULP1	7287	2107	-	-	0.100277533	-
KCNC1	3746	3134	-	-	0.067416963	-
DAPK1	1612	5942	-	0.300010346	0.035557853	1.567103281
FCGR3B	2215	2300	-	-	-	13.11386982
KCP	375616	4733	-	-	0.133922308	0.128309019
TBC1D3H	729877	2305	-	-	-	0.087821633
IFNB1	3456	840	-	-	-	3.614801124
RUNX1T1	862	7769	-	0.028682287	-	0.026055974
C9orf171	389799	1789	-	0.249114237	-	-
MMP7	4316	1147	-	-	-	6.176992331
ASPDH	554235	1061	-	-	-	0.190790634
BAIAP2L2	80115	2153	-	-	0.098135049	-
CAMP	820	739	-	0.301532726	-	3.834917566
ARL4D	379	1602	-	-	0.263776231	0.252720178
LOC147640	147646	1403	-	0.158825862	0.150594983	0.432848602
C17orf107	1E+08	3099	-	0.071904706	-	-
KCNJ10	3766	5323	-	0.125586709	0.039692798	0.038029093
PLN	5350	1742	-	0.127917729	-	0.232409716
RNF183	138065	1237	-	-	-	0.163644998
PKD2L1	9033	3060	-	0.436926833	-	2.91074182
PLSCR2	57047	1215	-	-	0.173896923	-
PGLYRP1	8993	972	-	0.458503467	1.086855768	0.624780441
AXIN2	8313	4241	-	-	-	0.047731399
PRRG2	5639	1411	-	0.157925361	0.598964596	0.860788928
GZMM	3004	947	-	-	0.223109568	-
PKNOX2	63876	3730	-	-	-	0.162811418
ULBP1	80329	3160	-	-	0.334311331	0.064059767
PPFIA4	8497	5055	-	6.347756005	0.12539155	5.366066792
LOC283038	283038	3149	-	0.070762999	-	-
ANKS1B	56899	3695	-	-	0.114362523	-
ASCL2	430	1864	-	-	0.226700388	0.325797526
SYBU	55638	3251	-	-	-	0.062266645
LOC341050	341056	2046	-	0.217822761	0.206534469	-
SCO2	9997	1051	-	-	-	1.348241713
PGA5	5222	1398	-	0.796969545	-	0.289597801
TDO2	6999	1713	-	-	-	0.827204927
LOC386758	386758	1691	-	0.527102743	0.124946636	0.478838233
PCDHB17	54661	2411	-	-	0.087633663	-
LOC731650	731656	995	-	-	0.212346494	-
TMEM88	92162	887	-	0.753661842	-	0.912869731
C20orf106	200232	689	-	0.646829274	0.306654225	0.293800962
IHH	3549	2074	-	-	0.101873077	-
KRT6A	3853	2450	-	-	-	0.165248051
ARHGEF33	1E+08	4316	-	-	0.048953837	-
C19orf51	352909	2210	-	-	0.573623787	0.091596771
LRRC10	376132	2649	-	0.168239098	-	0.076417087
EFNA2	1943	642	-	0.347091409	-	-
ZNF890P	645700	1614	-	0.276124764	-	0.125420609
LRRN1	57633	3823	-	-	0.110533488	-
TTYH1	57348	1924	-	-	0.109815365	0.210425013
GYG2P1	352887	824	-	-	-	0.245666096
ALMS1P	200420	1608	-	0.277155081	0.131395996	2.643660524

GPR133	283383	5392	-	-	0.039184859	-
LOC38970	389705	932	-	-	-	0.217198351
MYO7B	4648	6715	-	0.298658848	0.062929192	2.863848396
PZP	5858	4615	-	0.048284439	-	0.043863242
SYT9	143425	3958	-	-	-	0.05114423
IGSF1	3547	4599	-	-	-	0.088031686
C21orf81	391267	1095	-	0.203500169	0.19295412	-
LOC10050	1.01E+08	2531	-	0.528248166	-	2.159454484
ARC	23237	2985	-	-	-	0.067815364
TIMP4	7079	1667	-	-	-	0.121433031
EPHA3	2042	2684	-	-	-	0.226261769
FAM182B	728882	5481	-	0.04065548	-	-
AOX2P	344454	3738	-	0.178838431	0.056523478	0.054154324
DNAJC5G	285126	2006	-	0.111083093	0.105326401	-
ERBB3	2065	5765	-	0.309221419	0.21989741	-
CEACAM4	1089	1205	-	0.36984678	-	0.167990758
FN3K	64122	1433	-	-	-	0.141262291
PRSS33	260429	1694	-	0.131542317	-	2.031458483
FLJ42393	401105	2266	-	0.09833746	0.279723868	0.089333126
PCDHGB7	56099	4765	-	0.187057868	-	-
EPB41L3	23136	4446	-	0.100239624	0.142567315	0.273183351
PCDHGB8P	56120	1973	-	-	-	0.102599525
LOC10012	1E+08	1819	-	0.12250285	-	-
BIRC7	79444	1322	-	-	-	0.306246389
CDKL4	344387	1567	-	0.142203373	-	-
NEURL	9148	4315	-	-	0.146895547	-
GFPT2	9945	3011	-	-	0.07017096	-
ADAL	161823	1627	-	-	-	0.124418478
C2orf70	339778	695	-	-	0.304006851	-
PLSCR2	57047	1598	-	-	-	0.380029154
FAM169B	283777	3298	-	0.13513201	-	-
LOC44145	441455	1647	-	0.135296105	-	0.122907628
PAX2	5076	4137	-	-	-	0.24465659
PRB4	5545	944	-	-	-	0.42887471
XIRP1	165904	6451	-	-	0.032752249	-
LOC28434	284344	1721	-	-	-	0.117622814
APOL5	80831	1438	-	0.154960142	-	-
RGS22	26166	4184	-	-	0.10099654	-
ZNF285	26974	2703	-	-	0.078166763	-
OR56B1	387748	1091	-	0.408492548	-	0.371088658
OR7E5P	219445	1833	-	0.243134408	0.115267191	-
C3orf74	1E+08	3019	-	0.147620195	0.069985015	0.201154882
ENPEP	2028	5004	-	-	-	0.08090682
CACNA1B	774	9790	-	-	0.021581692	-
OR1J1	347168	969	-	-	-	0.417809831
EMCN	51705	4047	-	0.110122404	-	-
NEBL	10529	9231	-	-	-	0.043858491
C14orf64	388011	1496	-	-	0.282466259	-
FAM70A	55026	3512	-	0.063448942	0.060160809	0.057639198
SLC6A14	11254	4564	-	0.097647978	0.092587538	-
MTNR1B	4544	1662	-	0.134075021	-	-
MADCAM1	8174	1546	-	-	0.136665434	-
HECW1	23072	6839	-	-	-	0.02959919
FCRL1	115350	3116	-	0.071512415	-	0.194893
DKFZp686	401613	4612	-	0.048315847	-	-
RASL12	51285	2603	-	-	0.081169712	-
ELF5	2001	2466	-	0.090361997	-	-
LOC64662	646627	1205	-	0.36984678	-	-
HLA-F	3134	1591	-	-	-	0.127233729
TSPY26P	128854	1215	-	0.183401387	0.173896923	0.499824353
LOC10049	1E+08	2516	-	-	-	0.080456623
LOC64365	643650	2877	-	-	0.073439264	0.070361092

RNASE8	122665	465	-	-	0.454375831	-
ALAS2	212	2044	-	-	-	0.198071294
ENTPD8	377841	2222	-	-	-	0.091102099
KGFLP1	387628	3612	-	0.061692327	0.116990455	0.056043428
TMEM132	124842	4369	-	-	-	0.046332997
MYH4	4622	6016	-	-	-	0.033648415
CHI3L2	1117	1516	-	0.146987259	-	-
SGK3	23678	4110	-	0.054217198	-	-
LRRC48	83450	2183	-	-	0.483932115	0.370918668
HSPA6	3310	2664	-	0.167291805	0.396555483	0.607894483
PSCA	8000	1191	-	0.187097132	-	-
HUS1B	135458	1026	-	-	0.205930567	-
NKX2-8	26257	1857	-	0.239992121	-	-
LOC38789	387895	621	-	-	0.34023311	-
CXCR2P1	3580	2153	-	-	-	0.376087065
LOC10062	1.01E+08	1625	-	-	-	0.124571608
CDRT15L2	256223	1051	-	-	-	0.192605959
DDAH1	23576	4023	-	0.221558722	0.052519205	0.150953664
PI15	51050	6732	-	0.033100518	-	-
C1orf204	284677	2501	-	-	-	0.08093917
HOXD12	3238	813	-	0.274086943	-	0.248989991
RNU2-2	26855	138	-	1.6147296	-	-
GABRA4	2557	11987	-	-	-	0.016887367
CXorf48	54967	2188	-	-	-	0.092517762
NAT8B	51471	845	-	-	-	0.479121569
ZNF385B	151126	3320	-	-	-	0.060972549
SYS1-DBN	767557	1344	-	0.165798129	-	0.150616714
CTAGE6P	340307	2675	-	0.083301938	-	-
TIMD4	91937	1374	-	-	0.15377348	0.147328139
ORM2	5005	844	-	1.320098843	-	5.996115609
CTXN3	613212	1683	-	-	-	0.120278588
PTGER2	5732	2494	-	-	-	0.081166344
KRT32	3882	2005	-	-	-	0.100962026
SLAMF1	6504	2009	-	-	0.10516912	0.403044028
TPPP3	51673	1146	-	1.555551028	-	0.529918489
GPRC6A	222545	2860	-	-	-	0.070779323
APOA1	335	897	-	-	0.235545999	-
PAX5	5079	3650	-	-	-	0.998279324
MMP23B	8510	1246	-	0.178838431	0.169570434	0.162462972
ZNF559-ZN	1.01E+08	2564	-	-	0.082404353	-
ASB9	140462	1962	-	-	-	0.103174752
SLCO2B1	11309	4362	-	-	0.048437589	0.278444103
BARX2	8538	1767	-	0.252215829	-	-
ALPK2	115701	7303	-	-	-	0.02771859
NPW	283869	1033	-	0.431428238	0.204535103	0.391924226
HEPHL1	341208	5951	-	-	-	0.034015941
IL27	246778	1044	-	-	-	0.969486892
C20orf46	55321	1720	-	-	0.122839978	-
SOX10	6663	2882	-	-	-	0.070239023
RLBP1	6017	1752	-	-	-	0.115541588
CCDC152	1E+08	3491	-	-	0.060522704	-
GALNTL6	442117	2850	-	-	-	0.071027671
SYN1	6853	3210	-	0.485927973	-	1.072053168
ST7-OT4	338069	1589	-	0.14023454	0.132967125	-
TDRD9	122402	4782	-	0.139794658	-	1.142948411
JMJD7-PLA	8681	3379	-	-	0.062528784	-
PRSS3	5646	1160	-	-	-	0.349015281
RNY1	6084	113	-	5.915911984	-	8.957029334
CAPNS2	84290	1040	-	0.428524394	-	0.77857255
MEP1B	4225	2327	-	-	-	0.95690481
PRKAA2	5563	9369	-	-	0.022551474	0.02160624
PRRX2	51450	1327	-	-	-	0.152546242



FAM70B	348013	1047	-	-	0.201800154	-
LOC644714	644714	2316	-	0.096214458	0.273684924	-
RNF223	401934	1122	-	-	0.188310839	0.180417881
LOC100507	1.01E+08	750	-	-	0.281713015	0.539810301
CCL8	6355	1351	-	-	-	15.13346792
CCDC158	339965	3626	-	0.061454133	0.058269377	-
UBXN10	127733	2987	-	-	-	0.135539915
TCP11	6954	2023	-	-	-	0.100063699
PRODH	5625	2423	-	0.091965615	-	-
LIFR	3977	10258	-	-	0.020597072	-
DLX3	1747	2613	-	-	-	0.077469905
FAM26F	441168	1109	-	-	-	0.365065578
C4orf38	152641	2179	-	0.102263738	-	-
PLG	5340	3538	-	-	-	0.05721562
CSNK1A1P	161635	1718	-	0.259409412	-	-
DMRT1	1761	2229	-	0.1999396	-	-
SORBS1	10580	6803	-	0.065510123	-	-
FAM19A3	284467	1144	-	-	0.184689477	-
DTX4	23220	5795	-	0.076905154	-	0.034931642
HIST1H2BM	8342	446	-	-	-	0.453876374
ZNF141	7700	1643	-	-	-	0.123206855
EGLN3	112399	2722	-	-	-	0.966780021
MEP1A	4224	2947	-	-	-	0.068689808
PRSS22	64063	1391	-	-	-	0.436582738
EPB41L4B	54566	5578	-	-	-	0.145162326
ENO1-AS1	1.01E+08	447	-	-	0.472672844	0.452860991
CKAP4	10970	3036	-	-	-	0.066676174
ATP6V1B1	525	1956	-	-	0.108018794	-
IFIT1B	439996	1972	-	-	-	0.718560873
SLC6A4	6532	4535	-	0.196544816	0.139769412	0.08927403
CLCA4	22802	3285	-	0.06783339	0.06431804	-
IL29	282618	856	-	-	-	1.182411583
LOC285507	285501	1039	-	0.214468416	-	-
LOC440906	440900	869	-	-	-	0.465889213
FRK	2444	2864	-	-	0.147545224	-
NEURL2	140825	1276	-	-	-	0.475929929
GUCA1A	2978	1918	-	-	0.110158895	-
MT1A	4489	468	-	-	-	0.432540305
GNG12	55970	4427	-	-	-	0.182903874
MAPRE3	22924	1880	-	0.355584071	0.112385511	0.107674927
CD163	9332	4231	-	-	-	3.540471723
CYP4F8	11283	1907	-	0.233699722	-	-
GAL3ST3	89792	3335	-	-	-	0.06069831
NAPSB	256236	1398	-	0.318787818	-	2.027184608
MECOM	2122	5533	-	-	0.038186293	-
MSI1	4440	2950	-	0.075536503	-	0.068619954
KLHL31	401265	5743	-	-	-	0.03524793
KCNH4	23415	3923	-	21.64141037	-	28.63829185
C2orf78	388960	3045	-	-	-	0.066479101
FAM18B2-	1.01E+08	2926	-	-	-	0.069182797
RNASE1	6035	903	-	-	0.23398091	-
APOF	319	1720	-	0.259107773	0.245679955	0.117691199
CDRT1	374286	2780	-	0.080155642	-	-
ABCC11	85320	4862	-	-	-	0.041634896
RGS8	85397	912	-	-	-	0.221961473
HMG2P4	283651	1927	-	0.231274193	0.219288803	0.420194837
IFI30	10437	1051	-	1.060098405	0.402064246	64.33039032
SH2D1A	4068	2523	-	-	0.083743465	-
CACNA2D3	55799	3689	-	0.060404631	-	-
FOLR3	2352	858	-	1.298558769	-	3.30303506
GIF	2694	1536	-	-	0.137555183	0.131789624
CRLF1	9244	1824	-	-	0.347507831	-

NPAS2	4862	4004	-	-	0.052768422	-
POU4F1	5457	3817	-	0.116758022	-	0.053033498
NANOS3	342977	846	-	-	-	0.239277616
HSPB8	26353	2056	-	0.216763312	0.102764962	0.098457618
TMEM232	642987	3193	-	0.069787875	-	-
TP53TG5	27296	995	-	-	0.212346494	-
CYP4F30P	1E+08	2272	-	0.098077766	-	0.089097211
LEKR1	389170	1976	-	0.338308732	-	-
PMCH	5367	757	-	-	0.279108007	0.26740933
HPGDS	27306	1615	-	-	0.130826478	-
C6orf154	221424	2121	-	-	0.099615635	-
SELM	140606	739	-	0.301532726	-	0.273922683
FAM198A	729085	3449	-	-	0.061259716	-
LOC10050	1.01E+08	1200	-	0.185693904	-	-
VWF	7450	8833	-	-	0.047839864	0.02291734
LOC65351	653513	877	-	0.254085159	-	-
SERPINB13	5275	3197	-	-	-	0.063318381
GPR61	83873	2823	-	-	0.074844053	-
INSC	387755	2970	-	-	0.07113965	0.068157866
CDHR1	92211	5440	-	-	-	0.037211188
ADSSL1	122622	1826	-	0.97626587	0.462836279	4.212648846
LINC00472	79940	2933	-	-	-	0.069017683
LOC28595	285954	2995	-	-	-	0.540711487
LCT	3938	6274	-	0.07103369	0.13470498	-
HLA-DRB5	3127	1171	-	-	-	0.172868371
HRC	3270	2430	-	-	-	0.083304059
AIFM3	150209	2439	-	-	0.086627618	-
ZSCAN10	84891	2463	-	-	0.171567001	0.082187926
LOC10018	1E+08	2148	-	-	-	0.094240625
GABARAPL	23766	1889	-	-	-	0.107161918
SLC1A7	6512	2677	-	0.083239703	0.236777842	0.226853414
RNF144B	255488	5036	-	0.088495903	0.041954877	0.080392718
FBLL1	345630	1064	-	0.209429215	-	-
LOC10028	1E+08	1068	-	0.208644836	-	-
LOC15093	150935	1019	-	-	0.82938081	1.390581002
FAM159A	348378	698	-	-	-	0.290012698
APOC4-AP	1.01E+08	1829	-	-	0.231038558	-
SARM1	23098	7001	-	0.095486081	-	0.057828557
SLC25A2	83884	1417	-	0.314513317	-	0.142857349
CPNE3	8895	4883	-	0.045634381	-	0.041455839
ASCL3	56676	650	-	-	0.975160437	-
BCL2L14	79370	2039	-	-	-	1.290620509
SCARNA27	1E+08	126	-	8.842566855	-	3.213156555
LINC00256	1E+08	5836	-	-	0.036203695	0.069372468
EFNB2	1948	4404	-	0.101195588	0.095951299	0.091929547
MTVR2	246754	812	-	1.097697954	0.520405816	1.246483146
PLAT	5327	3173	-	-	0.066588327	0.063797309
LTBP1	4052	6168	-	0.108381656	-	0.032819206
HIST1H4B	8366	357	-	-	0.591834065	0.567027627
ACOT1	641371	1603	-	0.278019569	0.13180584	0.126281262
SLC5A11	115584	2384	-	-	-	0.084911436
ANKRD2	26287	1462	-	0.152416337	-	-
FAM5B	57795	3617	-	0.061607046	-	-
SLC45A1	50651	2401	-	-	-	0.08431023
P2RY14	9934	2694	-	0.744429904	0.156855799	1.728234539
GLRA2	2742	3458	-	0.128879517	0.366601668	0.058539289
OR7E24	26648	1020	-	-	0.207141923	-
DSG2	1829	5677	-	0.078503676	0.074435357	0.106973153
PRDM5	11107	2492	-	0.178838431	-	0.812314859
SV2A	9900	4431	-	-	-	0.04568469
SLC29A4	222962	2910	-	-	0.072606447	-
TSPYL6	388951	3095	-	-	0.068266482	0.065405125

DMRT2	10655	2944	-	-	0.071767922	0.068759804
DBNDD2	55861	1212	-	0.18385535	-	0.167020514
COL4A3	1285	8114	-	-	0.026039532	-
LOC728640	728640	2520	-	-	-	0.240986742
KIR2DL3	3804	1596	-	-	-	0.126835127
RPL13AP6	644511	653	-	0.68248908	0.323560125	0.309998259
GYLTL1B	120071	2539	-	0.087763956	-	-
SLC6A18	348932	2141	-	-	0.098685082	-
EFNA5	1946	5335	-	0.083536152	-	0.303548436
HIST1H4A	8359	372	-	0.599012593	-	-
ITLN1	55600	1209	-	0.368623134	0.34951987	0.167434957
C3orf24	115795	1105	-	0.201658538	-	-
WNT8A	7478	1498	-	-	-	0.135132752
NACA2	342538	770	-	0.289393097	-	-
LOC338651	338651	2266	-	-	-	0.089333126
PRO0611	28997	570	-	0.390934535	1.11202506	0.710276712
TPTE2P6	374491	2727	-	-	-	0.222694019
CCDC102B	79839	2828	-	0.1575903	0.074711726	0.143160441
RGN	9104	2255	-	-	-	0.089768897
NR3C2	4306	5915	-	0.113017423	0.14288065	-
SOAT2	8435	2073	-	0.107492853	0.10192222	0.781201594
LOC100130	1E+08	1746	-	-	-	0.231877277
DISC1	27185	7165	-	0.093300496	0.11795381	0.423786873
OR5K2	402135	951	-	-	0.222171148	-
ACTC1	70	3693	-	0.060339205	-	-
CKMT1A	548596	1779	-	-	-	0.113788006
HYAL4	23553	2411	-	0.092423345	0.175267326	-
SPA17	53340	955	-	-	-	0.211967396
SSX5	6758	1399	-	-	0.151025562	-
MGC70870	403340	3126	-	0.142567297	0.13517899	-
GRIK1-AS1	642976	1103	-	0.202024193	-	0.367051429
RDH5	5959	1359	-	0.163968127	0.466412277	0.297908555
CAV1	857	3212	-	-	-	0.063022685
CYS1	192668	2719	-	-	-	0.223349242
LOC100501	1.01E+08	4103	-	0.380167876	0.102990378	0.29602076
UTY	7404	4931	-	0.045190161	-	-
KCNT1	57582	4782	-	0.046598219	-	-
FAM64A	54478	1563	-	0.42770189	-	-
FSTL5	56884	4867	-	-	0.173646814	0.041592123
TNFSF18	8995	748	-	-	-	0.270626822
RASA4P	401331	1545	-	0.865369649	0.683769454	1.441241095
C3orf35	339883	1558	-	0.14302483	-	-
LRRC15	131578	5940	-	-	0.035569825	-
LOC728060	728066	2023	-	-	0.208882611	0.300191097
TIMP3	7078	5496	-	-	0.03844337	-
FNDC5	252995	3035	-	-	0.278464265	0.133396285
PKD1L3	342372	5199	-	0.085721364	0.081279	0.038936115
GSTM2P1	442245	1136	-	0.196155532	-	-
PLA2G5	5322	1911	-	-	-	0.105928238
PPP1R9A	55607	10519	-	0.021183828	-	0.038488233
CLEC4C	170482	1314	-	0.339166948	-	0.770277256
TNFRSF4	7293	1120	-	0.397915508	2.2637653	0.542220169
CD5L	922	2248	-	0.19824972	-	0.360193706
PPP1R36	145376	1405	-	0.158599776	0.150380613	0.432232448
TRIL	9865	5056	-	0.04407292	0.041788916	-
TNNI2	7136	746	-	4.181846631	-	17.63790361
CDH22	64405	3675	-	-	-	0.110165368
PPL	5493	6256	-	-	0.067546279	-
FGF9	2254	4545	-	0.049028093	-	0.133616411
MFSD2B	388931	1508	-	0.147767032	-	-
OSBP2	23762	4349	-	0.051237683	0.097164756	0.139638213
WISP1	8840	5194	-	0.514823299	0.040678622	1.948679851

GPR151	134391	1260	-	0.353702674	0.335372637	-
DUOXA1	90527	1923	-	-	-	0.105267219
CALD1	800	5241	-	0.042517208	-	0.077248183
CYB5R2	51700	1348	-	0.330612292	-	-
DBNDD2	55861	1486	-	-	0.142183554	-
TGM3	7053	2679	-	7.985045814	0.630936204	19.26814485
CYP4F22	126410	2620	-	0.085050643	-	-
IFNA4	3441	982	-	-	-	0.206139372
C7orf51	222950	3581	-	-	0.059001609	-
GRIN2A	2903	14706	-	-	-	0.013765053
PHOSPHO	162466	2173	-	0.102546104	-	6.520948185
TMEM196	256130	3381	-	-	0.062491796	-
KRT3	3850	2327	-	-	0.090797061	-
DMRT3	58524	2184	-	-	-	0.092687208
TRIM55	84675	2859	-	0.077940778	-	-
LOC10028	1E+08	1073	-	-	0.196910309	0.188656909
ZNF483	158399	3721	-	0.479081289	0.908507439	1.142436475
KCTD4	386618	2133	-	-	0.099055209	-
LGR5	8549	2880	-	-	0.073362764	-
IFNA8	3445	1039	-	-	0.203353957	1.948304745
NEUROG2	63973	2370	-	-	-	0.341652089
PFKFB2	5208	7073	-	0.315046917	-	2.661654779
CYP11A1	1583	2010	-	-	-	0.100710877
AURKC	6795	1261	-	0.530133271	0.16755334	-
TSNAX-DIS	1E+08	3557	-	0.062646243	-	0.056909998
SLC6A7	6534	3756	-	-	-	0.161684395
FAM157A	728262	1275	-	0.699082933	0.662854153	3.334122449
TAG	404663	624	-	0.357103661	0.338597374	0.324405229
LOC72872	728723	1154	-	-	0.183089048	0.350829918
FLJ44054	643365	2928	-	-	-	0.069135541
LOXHD1	125336	6854	-	0.162556671	-	0.11813765
GRM2	2912	3389	-	0.065751751	-	-
ENDOU	8909	2474	-	0.270209399	0.170804172	0.081822499
ALB	213	2264	-	0.295272992	0.279970974	0.268236126
SPHK1	8877	2202	-	2.934672052	0.575707797	9.836461551
CPLX3	594855	2012	-	0.332255494	0.210024614	1.60977227
LOC72822	728228	692	-	0.6440251	0.610649599	0.877581776
GUCY2E	390226	2799	-	-	-	0.072321852
ZNF812	729648	2011	-	-	0.210129052	-
GK3P	2713	2232	-	0.099835432	-	0.18138787
SLC10A1	6554	1631	-	0.136623351	-	-
SLC36A3	285641	2983	-	-	-	0.067860832
TACSTD2	4070	2080	-	0.107131098	0.101579212	0.097321569
PRSS30P	124221	2963	-	0.225615273	0.142615431	1.161421083
GALNTL1	57452	4309	-	0.051713317	-	0.093956307
IGFL4	444882	573	-	0.777775514	-	-
DPEP1	1800	1752	-	-	0.120596325	-
SYT8	90019	1423	-	-	-	0.142254999
PAR5	8123	3373	-	-	-	0.060014486
FAM170B	170370	1426	-	-	-	0.141955724
ZNF880	400713	2285	-	0.097519775	-	0.265770936
LOC10050	1.01E+08	731	-	-	-	0.276920469
GKN2	200504	826	-	-	0.255792689	-
RTP4	64108	1027	-	0.216974377	-	22.66730208
LOC28541	285419	2222	-	2.507118415	-	0.911020985
CCT8L2	150160	2065	-	-	-	0.098028505
CKLF-CMT	1.01E+08	794	-	-	-	0.25494819
CPLX1	10815	2200	-	0.101287584	-	-
BTG4	54766	1000	-	0.445665369	-	-
OR9A2	135924	933	-	-	-	0.216965555
KRT16P2	400578	1575	-	-	-	0.257052524
GPR171	29909	1862	-	-	0.113471945	-

LINC00158	54072	1480	-	0.30112525	0.142759974	-
JAKMIP3	282973	6488	-	-	-	0.031200503
CXCR5	643	2893	-	4.929585836	-	23.16071678
TBX2	6909	3396	-	-	0.062215772	-
ACCN1	40	2747	-	0.08111856	-	0.147381771
GCNT7	140687	2064	-	0.431846288	0.204733296	0.196151999
SEC16B	89866	4024	-	-	-	4.376568359
KCNN2	3781	1457	-	1.682333241	-	1.250418508
LOC10050	1.01E+08	2477	-	0.269882137	-	0.163446801
LOC65022	650226	1667	-	-	0.126745508	-
EGOT	1E+08	1529	-	0.145737531	0.138184932	0.264785955
MYH14	79784	6930	-	0.064309577	-	0.058421028
GRK1	6011	2100	-	0.106110802	-	-
CXorf30	645090	2869	-	-	-	0.070557289
LOC10050	1.01E+08	797	-	-	-	0.253988536
MPEG1	219972	4527	-	3.839396821	0.140016409	0.715454342
FLJ42709	441094	2791	-	-	0.227106515	0.072529152
KRT7	3855	1753	-	-	0.120527531	-
EPS8L2	64787	3156	-	0.070606047	-	0.192422874
BTLA	151888	3216	-	0.20786631	0.065697998	0.062944298
LOC39094	390940	938	-	-	0.450500557	-
NMNAT3	349565	1919	-	-	0.110101491	0.10548664
EMX1	2016	2188	-	0.101843092	-	-
CTSL1P8	1518	569	-	-	-	0.355762501
NPHP1	4867	2758	-	-	-	1.02755768
CXCR1	3577	2502	-	0.178123649	-	0.08090682
HOXA9	3205	2076	-	0.107337517	0.101774933	0.097509086
PLVAP	83483	2317	-	-	0.182377869	0.698934356
TMEM171	134285	1266	-	-	-	0.159896416
SH3TC2	79628	26588	-	0.008380949	0.007946621	0.007613542
PGLYRP2	114770	1901	-	-	-	0.106485462
FXD6-FXY	1.01E+08	1184	-	-	-	0.170970323
CNPY1	285888	2234	-	-	-	0.090612741
CD14	929	1661	-	0.13415574	0.636016741	12.30903983
C17orf46	124783	1297	-	0.171806233	0.162902669	0.156074682
PTCRA	171558	1097	-	-	-	1.291706509
SLC6A11	6538	1991	-	0.111919982	-	-
ANKRD26P	1E+08	3794	-	0.058732916	0.055689183	0.053354998
ZFY	7544	4769	-	-	-	0.042446815
LOC28457	284578	2363	-	0.094300755	-	-
XPNPEP2	7512	3333	-	-	-	0.242938929
OR52W1	120787	963	-	0.231394273	-	0.210206504
NCOR1P1	149934	419	-	-	0.504259574	-
SERPINC1	462	1599	-	0.278715053	0.660677803	-
SPATA8	145946	1041	-	-	-	0.19445616
S100A5	6276	710	-	-	0.297584171	0.285111075
DIRC1	116093	1454	-	0.306509883	-	-
FAM110C	642273	3963	-	-	-	0.051079703
MKRN9P	400058	1827	-	0.121966439	-	-
TMEM191	645426	1325	-	-	0.159460197	-
CD200R1L	344807	1365	-	-	0.309574742	-
FOXI2	399823	3178	-	-	0.066483562	-
PRSS37	136242	1197	-	-	-	0.169113503
UNC5B	219699	4998	-	0.089168741	0.126821585	-
SELV	348303	1704	-	-	-	0.118796281
TKTL1	8277	2652	-	-	-	1.221290274
C1orf126	200197	6979	-	0.031929028	-	0.087016276
HIST1H2AF	3012	564	-	1.185280238	-	0.358916424
ABCA6	23460	5296	-	-	-	0.076445945
LOC28562	285626	1580	-	-	0.133724533	-
SLC22A9	114571	2327	-	-	0.181594122	0.086991346
KLHL10	317719	2009	-	0.22183443	-	-

ZNF573	126231	2448	-	-	-	0.082691529
FLJ30679	146512	1980	-	-	-	0.204473599
KRT5	3852	2320	-	-	-	0.698030562
TSHR	7253	4410	-	-	-	0.045902236
FCN2	2220	1057	-	-	0.199890976	-
FLJ34503	285759	2006	-	-	-	0.100911696
PTGDS	5730	837	-	-	0.504862034	-
C1orf49	84066	921	-	0.241946455	0.229407993	0.439584936
HLA-DPA1	3113	1157	-	0.192595233	-	0.699840494
LOC14578	145783	3017	-	0.073859027	-	0.134192153
CD300E	342510	3525	-	0.126429892	0.059938939	0.229706511
SPATA21	374955	2015	-	-	-	0.200921948
C10orf40	283025	1815	-	-	-	0.111531054
LRRC31	79782	2520	-	0.088425669	0.083843159	1.526249364
CHODL	140578	2625	-	0.084888642	-	-
C1QL1	10882	1517	-	0.293780731	-	0.133440252
LOC72798	727982	2674	-	-	0.079014496	-
C20orf202	400831	1604	-	-	-	0.252405066
CGA	1081	704	-	-	-	0.287540999
RSPH6A	81492	2484	-	0.0897072	0.085058278	0.162986202
UBASH3A	53347	2492	-	-	0.084785217	-
ELF3	1999	3263	-	0.13658148	0.129503378	0.124075307
LRRC7	57554	6313	-	0.070594863	-	0.064130798
GCKR	2646	2197	-	-	-	0.092138763
LOC10050	1.01E+08	2073	-	-	-	0.097650199
LINC00261	140828	4924	-	0.045254404	-	0.205553273
NCRNA001	55410	1508	-	0.295534065	-	-
C19orf45	374877	1709	-	-	-	0.11844872
TMEM150	284417	875	-	-	0.482936597	2.776167263
CNIH2	254263	1399	-	-	-	0.144695399
CLIP4	79745	4284	-	0.052015099	-	-
CCR5	1234	3686	-	1.027714498	-	16.42057244
FAM166A	401565	1163	-	-	0.181672194	-
HIST4H4	121504	412	-	-	-	0.491332192
F2RL1	2150	2883	-	-	0.073286424	-
MCHR2	84539	2368	-	-	0.089224984	-
GDF15	9518	1220	-	9.497786563	-	115.8158577
IL15	3600	2333	-	1.050647035	0.362254199	1.041211468
WNT5B	81029	2251	-	0.395971008	-	0.269785246
MED12L	116931	10349	-	-	-	0.058680702
KIF26A	26153	6757	-	-	0.062538038	-
TRPV6	55503	2918	-	0.076364868	-	0.069372468
SCN4A	6329	7805	-	0.028549992	-	0.051871586
NTRK1	4914	2663	-	0.167354626	0.634727034	0.228046034
CORO6	84940	2397	-	0.092963156	-	-
HORMAD1	84072	1898	-	-	0.111319685	0.53326887
POC1B-GA	1.01E+08	5507	-	-	0.038366581	-
TCL6	27004	3307	-	-	0.127780321	0.061212236
LINC00314	246705	583	-	0.382217298	-	-
C17orf28	283987	3369	-	-	0.125428769	-
RPL13AP5	728658	658	-	2.031908979	0.321101461	1.845855893
ADAM19	8728	6506	-	0.137001343	-	0.031114181
CEACAM3	1084	1151	-	0.193599205	-	2.462210323
CSMD3	114788	13150	-	0.016945451	-	-
FKBP1B	2281	1016	-	-	-	0.199241007
CPXM2	119587	3750	-	-	-	0.05398103
PGR	5241	13037	-	0.017092328	-	-
RGPD1	400966	6711	-	0.099612286	0.15741675	0.150818703
C17orf108	201229	1495	-	0.447155889	-	0.677019609
ANKRD20A	441425	3964	-	0.112428196	-	0.051066817
PPP1R1C	151242	1014	-	-	-	0.199633987
GUCY2F	2986	3698	-	-	-	0.164220278

RNASE11	122651	1769	-	-	-	0.11443124
SH2D1B	117157	2553	-	0.960109492	-	4.202400994
SEN3P3-EIF4	1.01E+08	4303	-	0.051785425	0.294610404	0.094087317
LOC286359	286359	2034	-	0.219107851	0.103876481	-
CYSLTR2	57105	2548	-	1.136901453	0.248765418	1.827262107
ZNF704	619279	14403	-	-	-	0.014054632
KLHL32	114792	3807	-	-	-	0.106345607
FLJ42351	400999	514	-	-	0.411059847	-
DGCR10	26222	944	-	0.708154718	-	1.072186774
STEAP1B	256227	1299	-	-	-	0.155834383
OR11A1	26531	2229	-	0.0999698	0.189578072	0.090816
RPL13AP1	399670	1848	-	-	0.114331581	-
TNS3	64759	7639	-	-	0.082976081	0.158996358
C1orf227	149643	537	-	-	1.180361795	1.130887503
RAB39	54734	1845	-	0.120776523	0.114517486	0.109717541
ASXL3	80816	7642	-	0.087476846	-	0.02648899
DENND2D	79961	2062	-	-	-	0.981711266
TXNDC8	255220	501	-	-	-	0.404049627
LRP2	4036	15735	-	0.028323188	-	0.141513663
SIGLEC9	27180	1737	-	0.513143776	1.094739696	3.729259421
FRMD3	257019	2529	-	0.088110986	0.16708957	0.800430459
GCET2	257144	3355	-	0.066418088	0.062976084	0.120672944
LOC731789	731789	6118	-	-	0.03453494	0.033087424
CA4	762	1165	-	-	-	0.695034723
CATSPERG	57828	3727	-	0.119577507	-	0.054314157
FFAR3	2865	1709	-	5.606673753	0.247261277	44.29982138
LOC388553	388553	1170	-	0.190455286	0.180585266	-
STON2	85439	2919	-	-	-	0.069348703
HIST3H3	8290	481	-	0.92653923	-	0.420850027
NCR1	9437	1153	-	-	0.183247842	-
HIST1H4H	8365	374	-	0.595809317	-	0.541253644
CRISP3	10321	2231	-	1.198562177	-	0.090734587
C1orf114	57821	1866	-	0.238834603	0.339686112	0.325448333
PRPH2	5961	3027	-	0.220845079	0.139600107	-
ADH4	127	1980	-	0.11254176	-	0.204473599
ALS2CL	259173	3324	-	-	0.063563406	-
SUMO1P3	474338	1210	-	0.552477731	0.523846516	1.003779486
LOC91149	91149	4622	-	-	-	0.043796812
BDAG1	57653	6348	-	-	0.066567348	-
MPZL2	10205	2871	-	-	-	0.070508138
ZACN	353174	1473	-	-	-	0.137426248
LOC440356	440356	782	-	-	0.270185117	0.258860439
SCN2A	6326	8876	-	-	-	0.022806316
C21orf49	54067	1215	-	0.183401387	0.173896923	-
GOLGA6A	342096	3176	-	0.070161425	-	-
GPER	2852	2981	-	-	0.070877142	0.067906361
MCART2	147407	1185	-	0.18804446	-	-
SGCA	6442	1441	-	0.154637533	-	0.140478045
KIF5A	3798	3897	-	-	-	0.051944794
NAALADL1	10004	2703	-	0.082439025	0.312667053	-
SLC38A4	55089	3999	-	0.055722102	0.052834399	0.151859612
NEU4	129807	2551	-	-	0.082824289	0.079352749
C21orf15	54094	1296	-	-	0.163028365	-
GPR89B	51463	2150	-	0.207286218	-	-
EPSTI1	94240	1594	-	-	-	0.634971339
AADA4L4	343066	1575	-	0.14148107	-	-
PDE1C	5137	2979	-	-	-	0.067951951
FLJ25363	401082	1493	-	-	0.28303384	0.271170613
MGC2889	84789	2211	-	0.100783666	-	-
SH3GL2	6456	2745	-	0.081177663	0.230912307	0.073744577
ZNF705G	1E+08	925	-	0.2409002	-	-
ONECUT1	3175	1925	-	-	0.109758318	-

HSPB6	126393	1457	-	0.152939386	-	0.13893539
FOXP2	93986	6448	-	0.034558419	-	-
C15orf54	400360	3080	-	-	0.068598948	-
SLED1	643036	751	-	0.296714627	0.281337898	0.539091513
GPR142	350383	1389	-	-	-	0.145737122
ABLIM3	22885	4335	-	0.051403157	-	-
SLC25A47	283600	1733	-	-	-	0.116808346
HTR1D	3352	2857	-	0.077995339	-	-
C3orf43	255798	1810	-	-	0.116731912	-
D4S234E	27065	3124	-	-	0.067632766	0.129595943
GLDC	2731	3820	-	0.058333164	-	0.105983698
ITIH3	3699	3037	-	-	0.069570221	-
VMO1	284013	821	-	-	-	0.246563779
FER1L5	90342	6477	-	0.034403688	-	-
EIF3CL	728689	3053	-	0.072988105	-	-
GJB6	10804	2178	-	-	-	0.18588509
CD40	958	1616	-	-	-	5.636942347
TFCP2L1	29842	9306	-	-	-	0.043505021
GCM2	9247	2379	-	-	-	0.085089896
INSL6	11172	711	-	-	-	0.284710074
FAM21B	55747	4328	-	0.051486295	0.048818106	-
BCL2L2-PA	1.01E+08	2130	-	-	0.099194724	-
C17orf47	284083	2127	-	-	-	0.190342137
ADAMDEC	27299	2438	-	0.548398732	-	1.909706254
C20orf26	26074	4120	-	-	-	0.049133219
EVPLL	645027	2015	-	0.11058694	-	-
DNMT3L	29947	1705	-	-	0.495682725	0.237453212
CLC	1178	641	-	4.519227616	-	68.8447615
CD200R1	131450	2272	-	0.294233299	1.022945588	1.960138638
CLCNKA	1187	2556	-	0.087180237	0.08266227	0.395987604
TAS2R42	353164	945	-	0.235801783	0.223581758	-
LIMS3-LOC	1E+08	3219	-	0.069224195	0.06563677	-
BLNK	29760	1829	-	1.340163768	0.115519279	5.312512532
IGFBP6	3489	980	-	0.909521162	-	2.478720771
GLUD2	2747	2348	-	0.094903188	0.089984992	-
RNU6-1	26827	106	-	2.102195139	-	-
ANXA3	306	1634	-	-	-	0.123885473
CCDC151	115948	2176	-	-	0.097097776	-
PRKAG3	53632	2299	-	-	-	0.088050832
GNA14	9630	2492	-	-	0.169570434	-
WASH7P	653635	1786	-	0.249532682	-	0.113342029
KCNMB2	10242	2543	-	-	0.083084845	-
TYRO3P	7302	864	-	0.5158164	-	0.234292665
PPM1E	22843	6540	-	0.034072276	0.032306538	-



**Table S2.** Pathway analysis of genes suppressed or reactivated upon ATRA treatment.

Category	Term	Genes	Count	%	<i>P</i> -Value	Benjamini
	Cell cycle		113	0.8	2.5E-09	5E-07
	Ribosome		80	0.6	1.5E-07	0.000015
	Spliceosome		110	0.8	3.6E-07	0.000024
	DNA replication		36	0.3	9.8E-06	0.00048
	Pyrimidine metabolism		83	0.6	0.000013	0.00052
	Nucleotide excision repair		42	0.3	0.000039	0.0013
	Aminoacyl-tRNA biosynthesis		39	0.3	0.00011	0.003
	Purine metabolism		124	0.9	0.00014	0.0035
	Progesterone-mediated oocyte maturation		72	0.5	0.0009	0.02
	Mismatch repair		23	0.2	0.0012	0.024
	Ubiquitin mediated proteolysis		109	0.8	0.0014	0.025
	Homologous recombination		27	0.2	0.0014	0.023
	B cell receptor signaling pathway		63	0.5	0.0018	0.027
	<b>Lysosome</b>		94	0.7	0.0018	0.026
	Endocytosis		142	1.1	0.0024	0.031
	Focal adhesion		154	1.1	0.0026	0.032
	RNA degradation		49	0.4	0.0028	0.032
	Valine, leucine and isoleucine degradation		39	0.3	0.0031	0.033
	Small cell lung cancer		69	0.5	0.0032	0.033
	Pancreatic cancer		60	0.4	0.0035	0.034
	Chronic myeloid leukemia		62	0.5	0.0042	0.039
	NOD-like receptor signaling pathway		52	0.4	0.0056	0.049
	Glycerolipid metabolism		39	0.3	0.007	0.059
	Apoptosis		70	0.5	0.0077	0.062
	Glycerophospholipid metabolism		56	0.4	0.008	0.062
	Fc epsilon RI signaling pathway		63	0.5	0.01	0.076
	Notch signaling pathway		40	0.3	0.011	0.08
	Acute myeloid leukemia		48	0.4	0.013	0.089
	Colorectal cancer		67	0.5	0.013	0.087
	Non-small cell lung cancer		45	0.3	0.014	0.086
	N-Glycan biosynthesis		39	0.3	0.014	0.088
	Toll-like receptor signaling pathway		79	0.6	0.016	0.094
	TP53 (mouse TRP53) signaling pathway		55	0.4	0.017	0.097
	Epithelial cell signaling in Helicobacter pylori infection		55	0.4	0.017	0.097
	Adipocytokine signaling pathway		54	0.4	0.02	0.11
	RNA polymerase		25	0.2	0.023	0.12
	Fc gamma R-mediated phagocytosis		74	0.5	0.023	0.12
	Propanoate metabolism		28	0.2	0.023	0.12
	Pathways in cancer		237	1.8	0.027	0.13
	TGFB signaling pathway		68	0.5	0.027	0.13

Insulin signaling pathway	102	0.8	0.029	0.14
VEGF signaling pathway	59	0.4	0.034	0.15
Prostate cancer	69	0.5	0.034	0.15
Lysine degradation	36	0.3	0.049	0.21

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**Table S3.** Pathway analysis of genes regulated by *MIR125B1* upon ATRA treatment.

Category	Term	Genes	Count	%	P-Value	Benjamini
	Ribosome		82	0.6	8.9E-11	1.8E-08
	<b>Lysosome</b>		99	0.8	7.5E-07	0.000075
	Pyrimidine metabolism		82	0.6	1.6E-06	0.00011
	Cell cycle		103	0.8	5.3E-06	0.00026
	DNA replication		35	0.3	0.000016	0.00063
	Aminoacyl-tRNA biosynthesis		39	0.3	0.000016	0.00054
	Spliceosome		100	0.8	0.00014	0.004
	Nucleotide excision repair		40	0.3	0.00016	0.0039
	Huntington's disease		137	1.1	0.00025	0.0055
	Mismatch repair		23	0.2	0.00038	0.0075
	Endocytosis		139	1.1	0.0004	0.0072
	RNA degradation		49	0.4	0.00043	0.0071
	Base excision repair		32	0.2	0.00081	0.012
	Purine metabolism		116	0.9	0.001	0.015
	Glycerophospholipid metabolism		55	0.4	0.0031	0.04
	Valine, leucine and isoleucine degradation		37	0.3	0.0062	0.074
	RNA polymerase		25	0.2	0.0084	0.094
	Progesterone-mediated oocyte maturation		66	0.5	0.01	0.11
	Fructose and mannose metabolism		29	0.2	0.013	0.13
	Oocyte meiosis		81	0.6	0.023	0.2
	Propanoate metabolism		27	0.2	0.023	0.2
	Steroid biosynthesis		16	0.1	0.024	0.19
	Ubiquitin mediated proteolysis		99	0.8	0.025	0.2
	Homologous recombination		24	0.2	0.026	0.2
	TP53 (mouse TRP53) signaling pathway		52	0.4	0.027	0.2
	Cysteine and methionine metabolism		28	0.2	0.034	0.23
	Lysine degradation		35	0.3	0.035	0.23
	Notch signaling pathway		37	0.3	0.037	0.24
	VEGF signaling pathway		56	0.4	0.043	0.26
	Oxidative phosphorylation		93	0.7	0.044	0.26
	N-Glycan biosynthesis		36	0.3	0.046	0.26

**Table S4.** Real-time PCR primers.

Primers name	Primer sequence
<i>RT-MIR125B</i>	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACTCACAAG
<i>MIR125B-F</i>	GCGGCTCCCTGAGACCCTAAC
<i>MIR125B-R</i>	GTGCAGGGTCCGAGGT
<i>U6-F</i>	CGCTTCGGCAGCACATATAC
<i>U6-R</i>	TTCACGAATTTGCGTGTCAT
<i>CEBPB-F</i>	AACTCTCTGCTTCTCCCTCTG
<i>CEBPB-R</i>	AAGCCCGTAGGAACATCTTT
<i>PML-RARA-F-1</i>	TCTTCTGCCCAACAGCAA
<i>PML-RARA-F-2</i>	CCGATGGCTTCGACGAGTT
<i>PML-RARA-R</i>	GCTTGTAGATGCGGGGTAGAG
<i>CEBPA-F</i>	GGGTGAGTTCATGGAGAATGG
<i>CEBPA-R</i>	CAGTTTGCAAGAATCAGAGCA
<i>RARA-F</i>	TCAGTGA ACTCTCCACCAAG
<i>RARA-R</i>	TCCAGTCTCAGCATCGTCC
<i>SUV39H1-F</i>	TTCCGCACGGATGATGGGCG
<i>SUV39H1-R</i>	TGTCCACGGGGTCCACTTGCAT
<i>BAK1-F</i>	AGAGCTGTCTGAACTCACGT
<i>BAK1-R</i>	TTAACTGTGCCAGAGCCAT
<i>BMF-F</i>	TGATGTGTTCCAACCAGAGGAT
<i>BMF-R</i>	GGTGAGAGGGAAGAGCTGAAGT