

## Legends to supplemental figures

**Figure S1.** Activation of the p38/MAP Kinase pathway in response to sunitinib and chloroquine (CHL). 786-O cells were incubated in the presence of sunitinib 2.5  $\mu$ M or CHL 100  $\mu$ M for the indicated times. The total (p38) and phosphorylated (pp38) forms of p38 MAP Kinase were detected by immuno-blotting; Tubulin is shown as a loading control.

**Figure S2.** CXCL5 protein expression is up-regulated in sunitinib resistant RCC10 cells. CXCL5 protein levels were evaluated by ELISA in control (C), RCC10 cells treated with sunitinib for 48 hours (2.5  $\mu$ M) and sunitinib resistant RCC10 cells. P values are indicated; \*\*  $p < 0.01$ ; NS, not significant.

**Figure S3.** The lysosomotropic drug lapatinib stimulated CXCL5 expression in breast cancer cell models. (A) The fluorescence of the lysosomal probe (LysoTracker Red DND-99, Lyso) was followed by FACS analysis after 72 hours of treatment (2.5  $\mu$ M) of BT474 cells. (B) Determination of ROS production in BT474 cells treated with 2.5  $\mu$ M lapatinib for 48 hours. (C) CXCL5 protein levels were evaluated by ELISA in control (C) and BT474 cells treated for 48 hours with lapatinib (1  $\mu$ M). P values are indicated; \*  $p < 0.05$ ; \*\*\*  $p < 0.001$ .

**Figure S4.** Relationship between tumor levels of CXCL5 and overall survival (OS) of breast cancer patients. (A) Relative expression level of CXCL5 in different subgroups of breast cancers. (B) Kaplan–Meier analysis of patients with hormone receptor positive tumors. (C) Kaplan–Meier analysis of patients with HER2 positive tumors. (D) Kaplan–Meier analysis of patients with node positive TNBC. Statistical significance (P value) is indicated.

**Figure S5.** Correlation between intra-tumor/plasmatic levels of CXCL5 and inflammatory cells. **(A)** The plasmatic and tumor levels of CXCL5 were determined respectively by ELISA and qPCR in samples from patients of the SUVEGIL trial. The correlation coefficient (CC) between the two values was calculated. **(B)** The growth of experimental tumors in mice was determined as already described [1]. Plasmatic levels of mouse **(C)** or human **(D)** CXCL5 were determined by ELISA. P values are indicated; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$ . **(E)** The plasmatic and tumor levels of mouse CXCL5 were determined by ELISA. The CC between the two values was calculated. **(F)** The intra-tumor levels of human (H C5), mouse (M C5) CXCL5 mRNA, and its receptors present on mouse cells CXCR1 (M CR1) and CXCR2 (M CR2), neutrophils (N, LCN2 and ELANE mRNA), M1 macrophages (M1, iNOS and IL1 mRNA) and M2 macrophages (M2, ARG1 and MRC1 mRNA) were determined by qPCR. The CC between each value is indicated.

**Figure S6.** Relationship between the plasma levels of CXCL5 and progression free survival (PFS) of mRCC patients treated with bevacizumab/interferon alpha or bevacizumab/temsirolimus. **(A)** Kaplan–Meier analysis of PFS of patients with mRCC treated with bevacizumab/interferon alpha. The PFS was calculated for patient subgroups with a CXCL5 plasma level at diagnosis that was less or greater than a cut-off value of 0.1 ng/mL. **(B)** Kaplan–Meier analysis of the PFS of patients with mRCC treated with bevacizumab/temsirolimus. PFS was calculated from patient subgroups with a CXCL5 plasma level at diagnosis that was less or greater than a cut-off value of 0.1 ng/mL. Statistical significance (P value) and the time of the median PFS is indicated.

## **Legends to supplemental tables**

**Table S1.** List of up-regulated genes following sunitinib treatment of naïve cells revealed by a transcriptomic analysis. Genes were classified from the less to the most up-regulated (log2) and by alphabetical order.

**Table S2.** List of down-regulated genes following sunitinib treatment of naïve cells revealed by a transcriptomic analysis. Genes were classified from the less to the most down-regulated (log2) and by alphabetical order.

**Table S3.** List of up-regulated genes in sunitinib-resistant cells revealed by a transcriptomic analysis. Genes were classified from the less to the most up-regulated (log2) and by alphabetical order.

**Table S4.** List of down-regulated genes in sunitinib-resistant cells revealed by a transcriptomic analysis. Genes were classified from the less to the most down-regulated (log2) and by alphabetical order.

**Table 5.** Characteristics of the patients from a retrospective cohort of the Rennes Hospital.

**Table S6.** Characteristics of the patients included in the SUVEGIL and TORAVA clinical trials. (NR, not reached)

**Table S7.** Evaluation of the response to treatment of patients in the SUVEGIL and TORAVA clinical trials according to RECIST criteria. (NR, not reached; NA, not available).

## Reference

1. Dufies M, Giuliano S, Viotti J, Borchiellini D, Cooley LS, Ambrosetti D, et al. CXCL7 is a predictive marker of sunitinib efficacy in clear cell renal cell carcinomas. *Br J Cancer*. 2017; 117: 947-53.

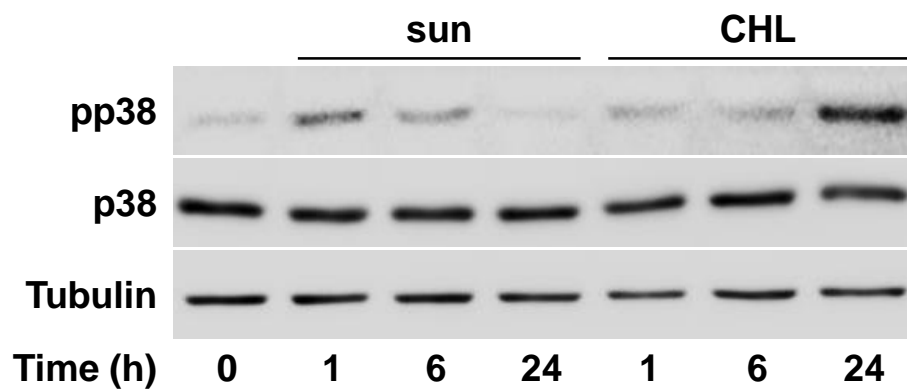
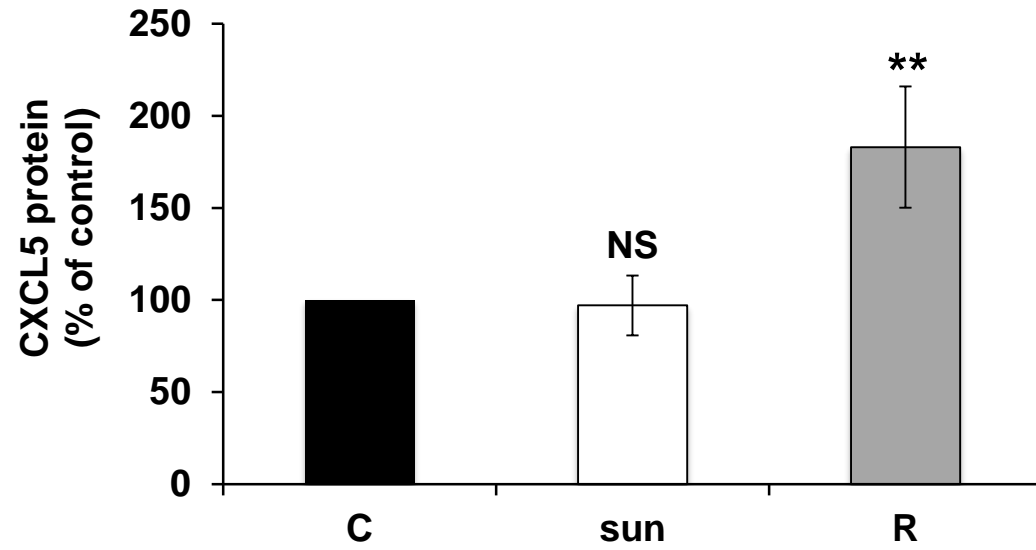


Figure S1: Giuliano, S *et al*



**Figure S2: Giuliano *et al***

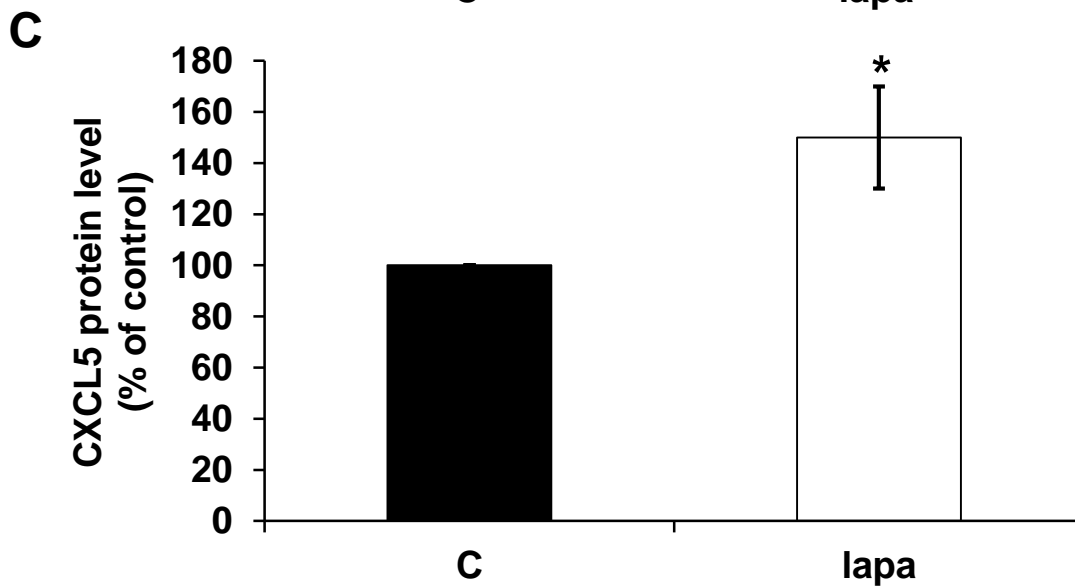
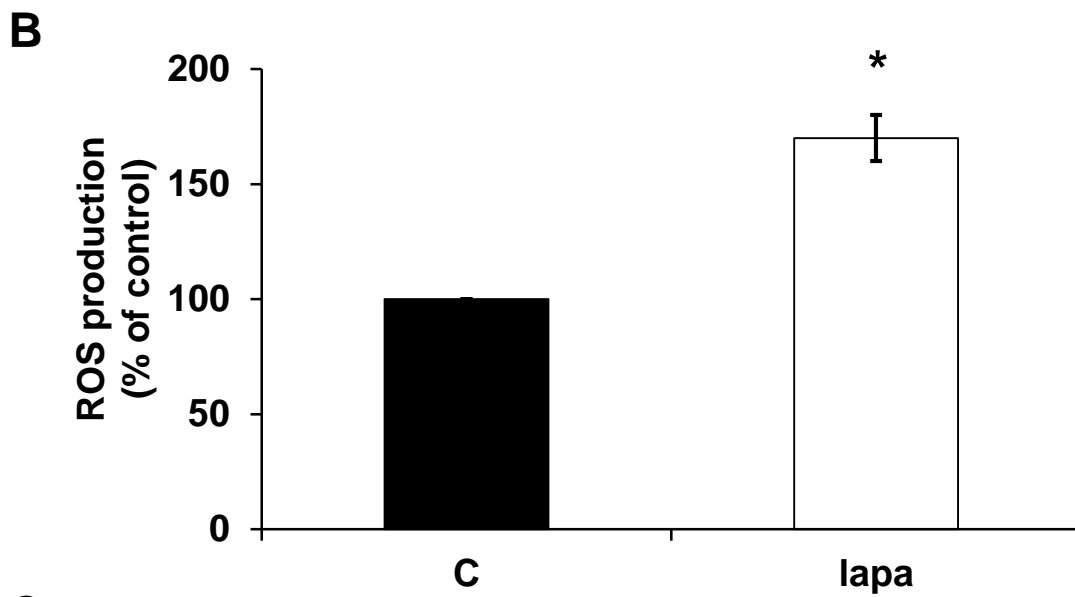
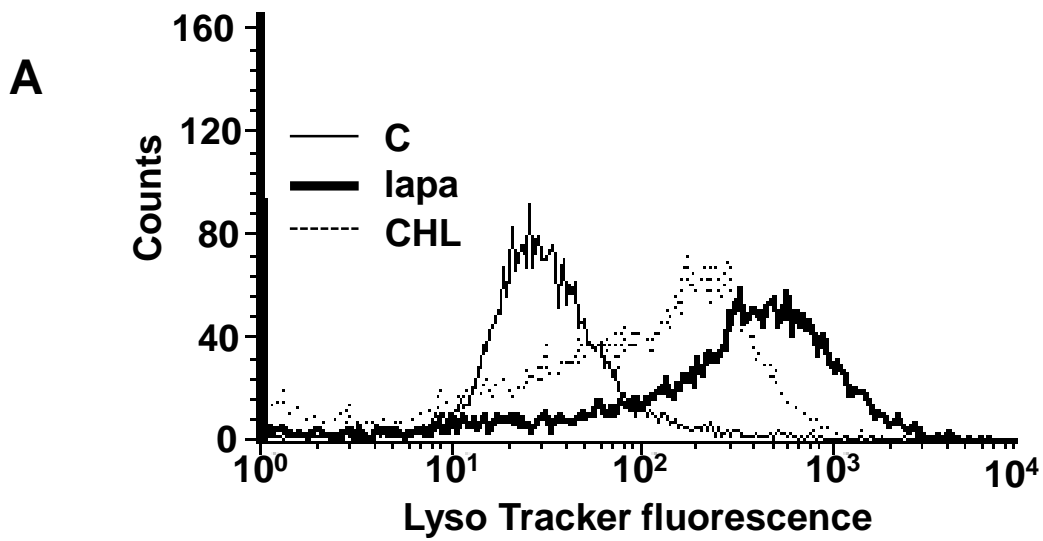


Figure S3: Giuliano, S *et al*

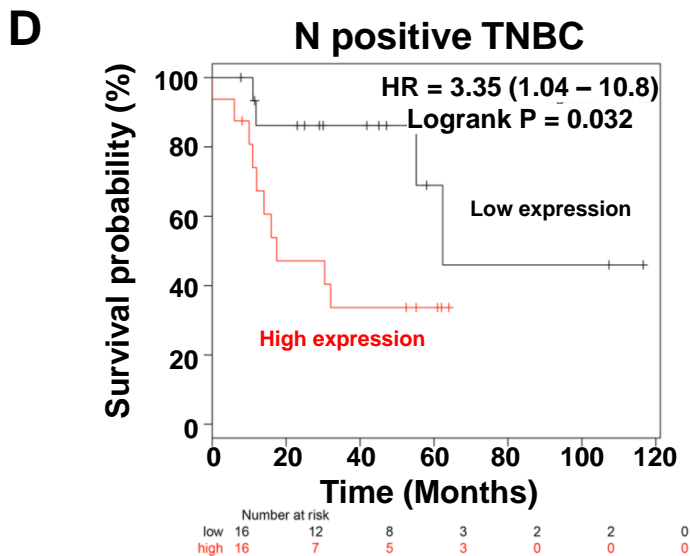
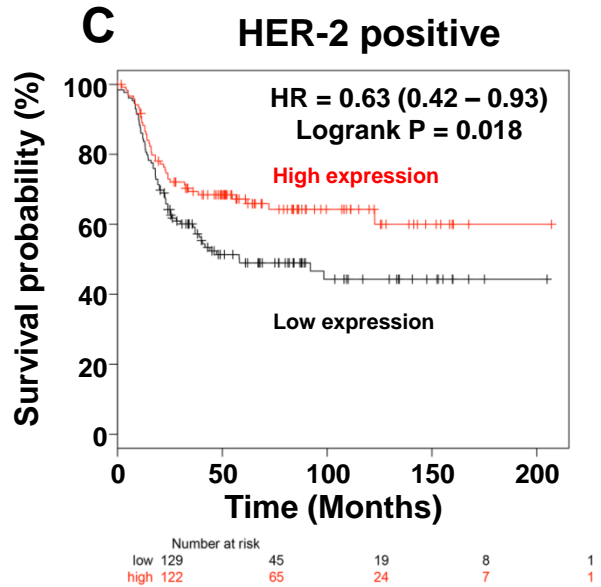
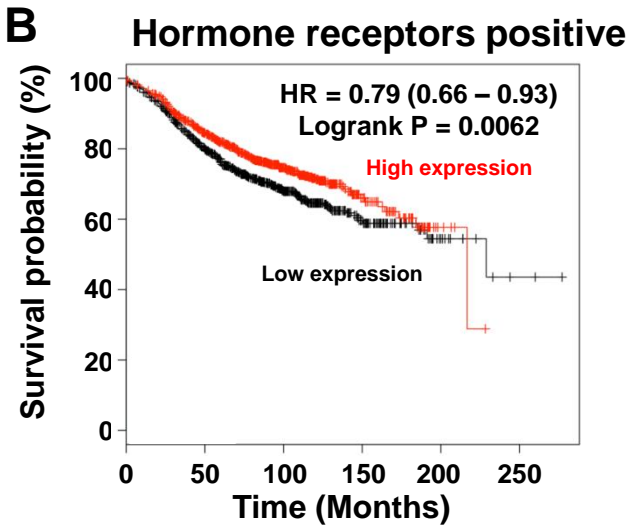
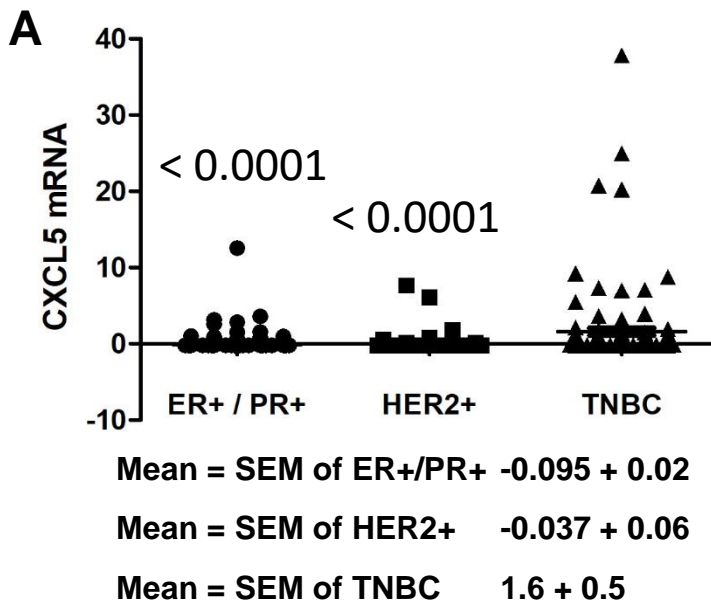
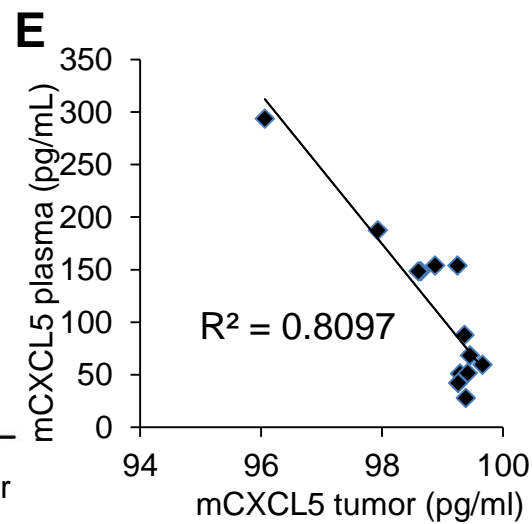
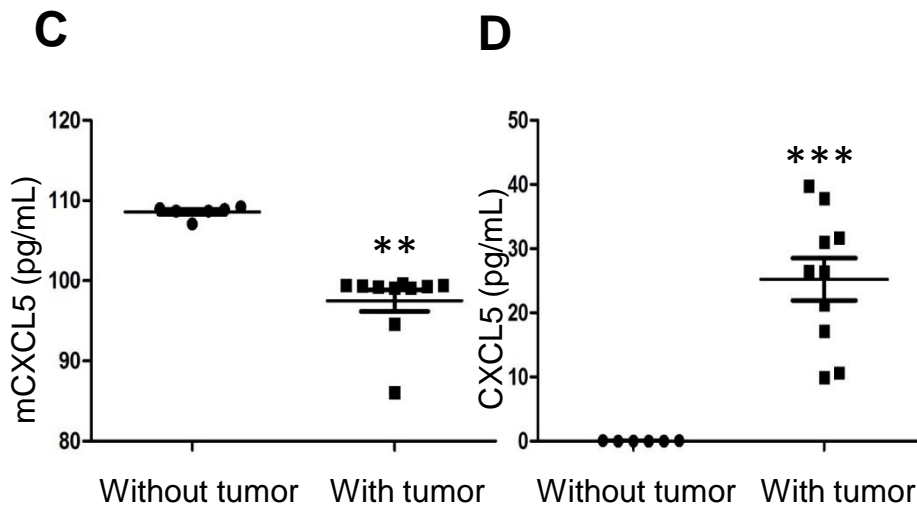
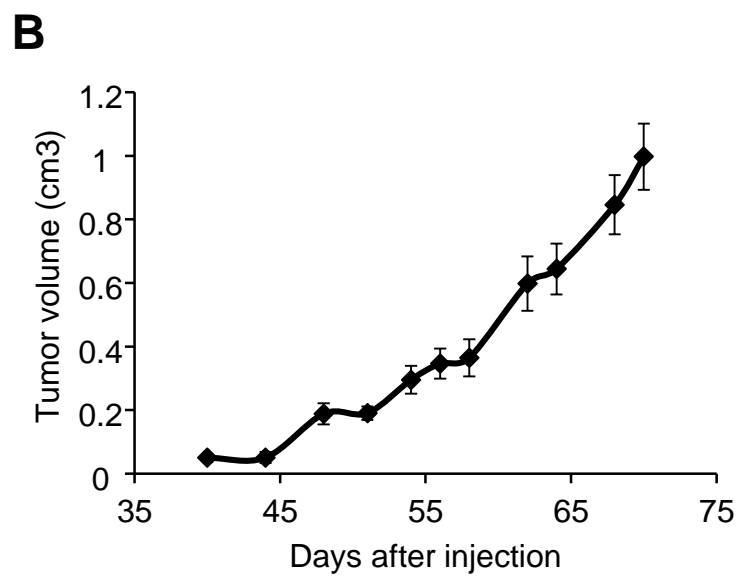
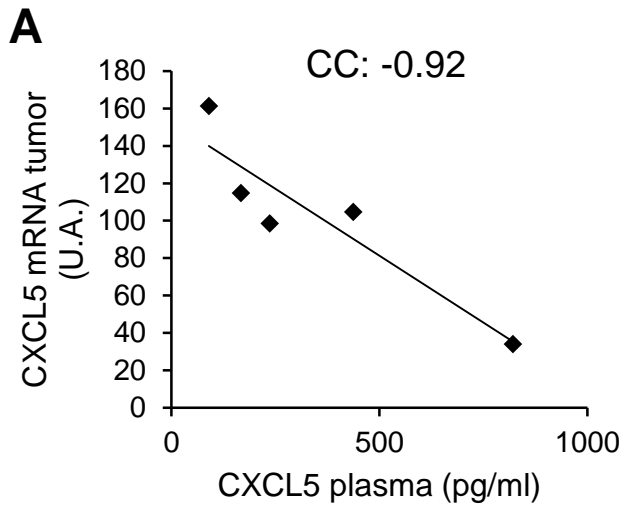


Figure S4: Giuliano, S *et al*



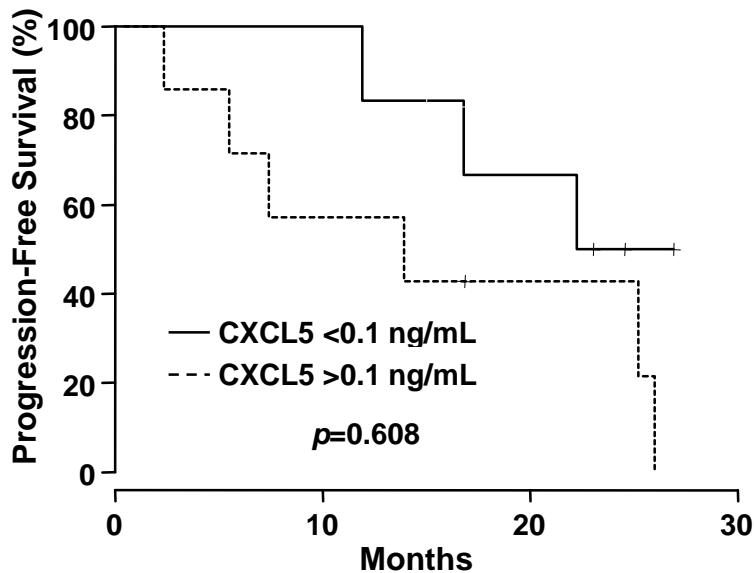


**F**

CC	H C5	M C5	M CR1	M CR2	N	M1	M2
H C5		0.47	0.18	0.85	-0.02	0.01	0.05
M C5			0.63	0.05	0.99	-0.29	0.91
M CR1				0.62	0.6	-0.3	0.58
M CR2					0.01	-0.11	-0.02
N						0.15	0.9
M1							-0.44
M2							

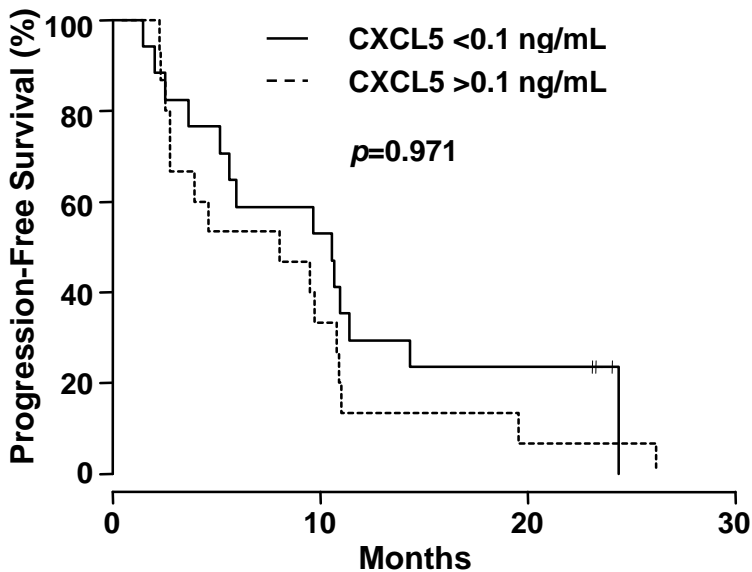
Figure S5: Giuliano, S *et al*

**A TORAVA : bevacizumab + roferon**



Plasma levels	Median survival (months)
CXCL5 high	13.9
CXCL5 low	24.6

**B TORAVA: bevacizumab + temsirolimus**



Plasma levels	Median survival (months)
CXCL5 high	8
CXCL5 low	10.5

**Figure S6: Giuliano, S *et al***

Table S1

Up-regulated genes (Fold induction)		Up-regulated genes (Alphabetical order)	
<b>TRIM31</b>	1.00029113348829	<b>ABCA3</b>	1.37552443240479
<b>FAM129A</b>	1.00050382908327	<b>ABCA5</b>	2.09312119238122
<b>KCNK3</b>	1.00065421717695	<b>ABCC3</b>	1.30484418587795
<b>PLTP</b>	1.00115578827035	<b>ABHD4</b>	1.23478785363389
<b>TTLL1</b>	1.00133081079045	<b>AC002480.4</b>	1.00946797834248
<b>UHRF1BP1</b>	1.00158615957817	<b>AC004466.1</b>	1.00494357068192
<b>ACVRL1</b>	1.00173345323162	<b>AC005077.12</b>	1.38459967024167
<b>COL17A1</b>	1.00174846380515	<b>AC005077.14</b>	2.10641335201401
<b>ERN1</b>	1.00273300365534	<b>AC006262.5</b>	1.18953411827857
<b>TTC25</b>	1.00369536665564	<b>AC007246.3</b>	1.51994021336256
<b>TMEM159</b>	1.00376743371065	<b>AC007566.10</b>	1.6351200112413
<b>TRPM4</b>	1.00494052531002	<b>AC009133.12</b>	1.94177952414467
<b>AC004466.1</b>	1.00494357068192	<b>AC009133.14</b>	2.7487332145349
<b>TMEM9B-AS1</b>	1.00530599549151	<b>AC015933.2</b>	1.09254470696512
<b>PTPRN2</b>	1.0063860306722	<b>AC019172.2</b>	1.27049307982781
<b>RP11-134G8.7</b>	1.00652880385992	<b>AC074286.1</b>	1.17781806587397
<b>LMLN</b>	1.00706443217257	<b>AC097662.2</b>	1.37549503095335
<b>DTX3L</b>	1.00716247017992	<b>AC104135.4</b>	1.27965561488457
<b>PQLC3</b>	1.0087790523722	<b>AC104695.3</b>	1.22507177956087
<b>SLC10A5</b>	1.00911654240335	<b>AC135048.13</b>	1.0374587298776
<b>PFKFB2</b>	1.00920265660821	<b>ACCS</b>	1.529583919021
<b>PEX1</b>	1.00928940554534	<b>ACP5</b>	1.56446072638876
<b>AC002480.4</b>	1.00946797834248	<b>ACSS1</b>	1.25641293388503
<b>AGT</b>	1.01087286983995	<b>ACSS2</b>	1.08481109209208
<b>ODF3B</b>	1.01190614071574	<b>ACTA2</b>	2.07179490005135
<b>DNHD1</b>	1.0121786991557	<b>ACVRL1</b>	1.00173345323162
<b>HLA-V</b>	1.01258971000629	<b>ACYP2</b>	1.20926936228408
<b>ZNF862</b>	1.01331949087986	<b>ADHFE1</b>	1.47089772774052
<b>GAD1</b>	1.01461494528151	<b>ADM2</b>	2.20836214039733
<b>POU2F2</b>	1.01566355191543	<b>AFAP1-AS1</b>	2.03623697713368
<b>TMEM171</b>	1.01647031674484	<b>AFAP1L1</b>	1.01936200013909
<b>TCN2</b>	1.01709597164029	<b>AFF3</b>	1.03779276377884
<b>ZNF506</b>	1.01801939080027	<b>AGA</b>	1.31202043762431
<b>MT-TD</b>	1.01873724965867	<b>AGT</b>	1.01087286983995
<b>AFAP1L1</b>	1.01936200013909	<b>AGTRAP</b>	1.47762453644249
<b>RP11-383C5.4</b>	1.02011541812085	<b>AGXT2</b>	1.78088497641453
<b>ZC3HAV1</b>	1.02013799587624	<b>AHNAK2</b>	1.26312364823923
<b>PDE11A</b>	1.02101876812181	<b>AICDA</b>	1.90522835783926
<b>ZNF658</b>	1.02108280836446	<b>AIFM3</b>	1.19707232007224
<b>RP11-181E10.3</b>	1.02145207033715	<b>AK8</b>	1.06618445108503
<b>SULF1</b>	1.02171152545647	<b>AKR1C1</b>	1.55027762140066
<b>IL34</b>	1.02204253619537	<b>AKR1C2</b>	1.32475654010925
<b>BMS1P10</b>	1.02338347916336	<b>AKR1C3</b>	1.079583904037
<b>RP11-7F17.1</b>	1.0235789216775	<b>ALOX5</b>	1.58235148578748
<b>ETV5</b>	1.0237607125337	<b>ALOX5AP</b>	2.64943006754702
<b>RNF32</b>	1.02414631165113	<b>ALOXE3</b>	2.2510718596885

<b>PABPC1L</b>	1.02492148312894	<b>ALS2CL</b>	1.25346180113923
<b>SPRED3</b>	1.02502818781452	<b>AMDHD1</b>	1.41236126569185
<b>RP11-166O4.5</b>	1.02519993446637	<b>ANGPTL4</b>	1.09326055136812
<b>SLC16A4</b>	1.02591370913016	<b>ANK2</b>	2.02945019297479
<b>DHRS4-AS1</b>	1.02707138966756	<b>ANKRD1</b>	1.62445140993393
<b>EDA2R</b>	1.02772575228254	<b>ANKRD20A5P</b>	1.67278824150185
<b>RP4-740C4.6</b>	1.02792932778768	<b>ANO9</b>	1.4819829771699
<b>HES6</b>	1.02836393362897	<b>ANXA8L1</b>	1.34176909986088
<b>CEBPB</b>	1.02844716629568	<b>ANXA8L2</b>	1.17200980496933
<b>FAS</b>	1.02866312465589	<b>AP000330.8</b>	1.19618819121739
<b>ZNF600</b>	1.02921659438394	<b>AP001258.4</b>	1.09183019726058
<b>RP11-166O4.6</b>	1.02933415197359	<b>APOBEC3G</b>	1.19190053326621
<b>FAM21C</b>	1.02941800908614	<b>APOL3</b>	1.85520773989058
<b>HEXB</b>	1.02982972867853	<b>APOL6</b>	1.49417493665059
<b>RETSAT</b>	1.03001396702983	<b>ARHGEF2</b>	1.38724618273936
<b>GBP1</b>	1.03002119850481	<b>ARHGEF37</b>	2.24683803813284
<b>TFAP2E</b>	1.03079232572765	<b>ARRDC4</b>	1.37082391793086
<b>RP11-46C24.7</b>	1.03172231596233	<b>ARSA</b>	1.05806912554099
<b>NINJ1</b>	1.03248985653567	<b>ASAH1</b>	1.46984224792915
<b>FZD8</b>	1.03250184909726	<b>ASNS</b>	1.72556966923426
<b>HOXB-AS1</b>	1.03267074695566	<b>ASS1</b>	1.08084599386475
<b>BRI3P1</b>	1.0349384256008	<b>ATF3</b>	2.26272877352831
<b>ZDHHC1</b>	1.03566175026888	<b>ATP1A1OS</b>	1.07825766234968
<b>TUBA8</b>	1.03611753741012	<b>ATP6V0A1</b>	1.05625617135127
<b>RP11-288G3.4</b>	1.03697759902844	<b>ATP8B1</b>	1.1404974009089
<b>AC135048.13</b>	1.0374587298776	<b>B2M</b>	1.40032560741944
<b>VPS13C</b>	1.03757147080206	<b>BATF2</b>	1.64778161800194
<b>AFF3</b>	1.03779276377884	<b>BMS1P10</b>	1.02338347916336
<b>HMOX1</b>	1.0387067154301	<b>BRI3</b>	1.20389819111405
<b>MYO1D</b>	1.03882693286216	<b>BRI3P1</b>	1.0349384256008
<b>TNFRSF10D</b>	1.03884173892836	<b>BSN</b>	1.06634250998848
<b>TRIM21</b>	1.03888178831098	<b>BTBD19</b>	1.71257234534651
<b>KLHDC9</b>	1.04039377227842	<b>BTC</b>	1.59894742371972
<b>NPTXR</b>	1.04128903794663	<b>BTG1</b>	1.14835740062087
<b>RP11-227J5.3</b>	1.04382720147279	<b>BTG2</b>	1.51032078741087
<b>SDCBPP2</b>	1.04416597273452	<b>C10orf11</b>	1.31617453855123
<b>SPP1</b>	1.04473028763843	<b>C10orf55</b>	1.34437991001529
<b>SNTB1</b>	1.04511739394068	<b>C14orf79</b>	1.2608445046627
<b>RP5-1148A21.3</b>	1.04637836142152	<b>C15orf48</b>	1.84868533390059
<b>PTGFR</b>	1.04666307157735	<b>C15orf65</b>	1.37397451789271
<b>RP11-49I11.1</b>	1.0469937145582	<b>C17orf103</b>	1.09774780025774
<b>STEAP2</b>	1.04702342162068	<b>C19orf66</b>	1.35586761809029
<b>RP11-21L23.4</b>	1.04710313668583	<b>C1orf226</b>	1.67610588263144
<b>ITGA1</b>	1.04738959035913	<b>C1orf228</b>	1.41743223614279
<b>H6PD</b>	1.04863531547775	<b>C1orf54</b>	1.46181854047965
<b>TMEM52B</b>	1.05030131810337	<b>C1orf56</b>	1.09175381867722
<b>TPRG1L</b>	1.05040445171321	<b>C1orf85</b>	1.28194921093349
<b>MBP</b>	1.05310914832238	<b>C1QTNF1</b>	2.00162552822428
<b>LRRC49</b>	1.05332642100576	<b>C1QTNF1-AS1</b>	1.87441333857102
<b>FAM179B</b>	1.05549498965436	<b>C1R</b>	1.74451387550333

<b>TAB3</b>	1.05558089871772	<b>C1S</b>	2.88982612493359
<b>CFL1P1</b>	1.0561680385139	<b>C21orf67</b>	1.42378135810671
<b>ATP6V0A1</b>	1.05625617135127	<b>C2orf81</b>	1.48252951335324
<b>TMEM242</b>	1.05664984387651	<b>C4BPB</b>	1.39480234245404
<b>SWT1</b>	1.056671337122	<b>C5orf51</b>	1.07723057238192
<b>HTR1D</b>	1.05726011083163	<b>C6orf1</b>	1.40641978829666
<b>RP11-662I13.2</b>	1.05781217698702	<b>C7orf63</b>	1.07449434067542
<b>ARSA</b>	1.05806912554099	<b>C8orf34</b>	1.27126073197719
<b>SYT1</b>	1.05823647068164	<b>C9orf72</b>	1.06437815980355
<b>SGK3</b>	1.0582519353189	<b>CACNA2D4</b>	1.91143956525814
<b>RAP2C-AS1</b>	1.05893148760224	<b>CALB2</b>	1.13057453606141
<b>LSMEM1</b>	1.0595373299896	<b>CALCOCO1</b>	1.17891462810709
<b>XKR3</b>	1.0601697264976	<b>CAMK2D</b>	1.06733721841074
<b>HIST1H4H</b>	1.06262807386377	<b>CAPS</b>	1.11045275070293
<b>STAT5A</b>	1.06320227684441	<b>CARD16</b>	1.19529491274281
<b>RP11-77H9.2</b>	1.0633020122538	<b>CARF</b>	1.20088591269083
<b>IDH1</b>	1.06373711667751	<b>CASP1</b>	1.20498345721132
<b>GGACT</b>	1.0638790569173	<b>CASP4</b>	1.16868081144624
<b>WHAMMP2</b>	1.0641319767607	<b>CATSPER2P1</b>	1.14149997656904
<b>C9orf72</b>	1.06437815980355	<b>CATSPERG</b>	1.09944918765075
<b>RP11-91K9.1</b>	1.06438069970389	<b>CBS</b>	1.6738423413287
<b>ZMAT1</b>	1.06475052192097	<b>CCDC122</b>	1.60589472092142
<b>FCER1G</b>	1.06501345234001	<b>CCDC53</b>	1.09107708953206
<b>AK8</b>	1.06618445108503	<b>CCDC62</b>	1.33808724857411
<b>BSN</b>	1.06634250998848	<b>CCDC69</b>	1.55492321283003
<b>GCNT4</b>	1.0666612569001	<b>CCL20</b>	1.39042614457625
<b>NANOS1</b>	1.06690461576898	<b>CCL5</b>	1.41827006493955
<b>CAMK2D</b>	1.06733721841074	<b>CCPG1</b>	1.21407662962807
<b>PKP2</b>	1.06737108534123	<b>CCRL2</b>	2.51924217086526
<b>HSD17B7P2</b>	1.06739112162759	<b>CD22</b>	1.69602568539678
<b>ITIH5</b>	1.06856977813402	<b>CD55</b>	1.08708889996243
<b>ZP3</b>	1.06883096797119	<b>CD69</b>	1.54805972702016
<b>MUC13</b>	1.06966814674363	<b>CDH13</b>	1.0760170793398
<b>KLHL31</b>	1.0698497360459	<b>CDKN1A</b>	1.68879758261723
<b>SP100</b>	1.07221001071691	<b>CDKN1C</b>	2.00733959113659
<b>RBM43</b>	1.07421423411539	<b>CEBPB</b>	1.02844716629568
<b>C7orf63</b>	1.07449434067542	<b>CFB</b>	2.02112050276618
<b>PKD1L2</b>	1.07530575918251	<b>CFL1P1</b>	1.0561680385139
<b>CLIP3</b>	1.07590268293133	<b>CHAC1</b>	2.21275014579665
<b>CDH13</b>	1.0760170793398	<b>CHST2</b>	1.23887049944741
<b>RP11-38L15.3</b>	1.07646446134739	<b>CLDN1</b>	1.55625053010183
<b>DYNAP</b>	1.07703146700828	<b>CLEC2D</b>	2.19914698328534
<b>C5orf51</b>	1.07723057238192	<b>CLEC4E</b>	1.98280466342321
<b>RP11-1398P2.1</b>	1.07779829029524	<b>CLGN</b>	2.25607815753398
<b>RP11-545I5.3</b>	1.07780464356894	<b>CLIP2</b>	1.77521834528032
<b>ATP1A1OS</b>	1.07825766234968	<b>CLIP3</b>	1.07590268293133
<b>SHISA4</b>	1.078571253177	<b>CLIP4</b>	1.10768919689329
<b>RAG1</b>	1.0786378854483	<b>CLTCL1</b>	1.36242980371657
<b>NCOA7</b>	1.07926580431786	<b>CMPK2</b>	3.25713634377298
<b>IGFN1</b>	1.07951079608393	<b>CNTNAP1</b>	1.49445441637225

<b>AKR1C3</b>	1.079583904037	<b>COL13A1</b>	1.1028004968394
<b>HCFC1R1</b>	1.07972618260333	<b>COL17A1</b>	1.00174846380515
<b>WDR19</b>	1.07998576467981	<b>COLGALT2</b>	1.45648050143511
<b>SLC8A1</b>	1.07998635004338	<b>CPED1</b>	1.82922444255622
<b>LINC00944</b>	1.08011575892381	<b>CPNE7</b>	1.45420640326469
<b>ASS1</b>	1.08084599386475	<b>CRB2</b>	1.19961508429274
<b>PLBD2</b>	1.08108454379818	<b>CREBRF</b>	1.64490399515525
<b>VAMP2</b>	1.08139353683743	<b>CRYAB</b>	1.3571496962704
<b>TMEM67</b>	1.08140424166677	<b>CRYM</b>	2.65381009811518
<b>CYP4F11</b>	1.0814590566505	<b>CSF2</b>	1.38439201871015
<b>RP11-558F24.4</b>	1.08313168219173	<b>CST7</b>	4.23304613697369
<b>LRRC37A15P</b>	1.08450054864156	<b>CSTB</b>	1.12227409850012
<b>ENO3</b>	1.08451286572473	<b>CTD-2035E11.3</b>	1.17007592320388
<b>FAT3</b>	1.08473195416817	<b>CTD-2196E14.4</b>	1.10484259790815
<b>ACSS2</b>	1.08481109209208	<b>CTD-2260A17.1</b>	1.08517300165175
<b>CTD-2260A17.1</b>	1.08517300165175	<b>CTD-2263F21.1</b>	1.22197284358393
<b>IL11RA</b>	1.08544245054525	<b>CTD-2521M24.9</b>	1.20924327443194
<b>RP3-510D11.2</b>	1.08557736699511	<b>CTD-3018O17.3</b>	1.20391976480474
<b>RHBDF1P1</b>	1.08598769990676	<b>CTD-3065J16.9</b>	1.46346903750494
<b>STX11</b>	1.08649537228735	<b>CTD-3131K8.2</b>	1.25272216703987
<b>CD55</b>	1.08708889996243	<b>CTGF</b>	1.10192946389516
<b>RP11-63P12.6</b>	1.0877571285746	<b>CTH</b>	1.72954609648694
<b>KCTD11</b>	1.08779459500966	<b>CTNS</b>	1.45752439810988
<b>PPP3CC</b>	1.08822675707958	<b>CTSD</b>	1.55627822975634
<b>FNIP2</b>	1.08891909962167	<b>CTSO</b>	1.78178301657741
<b>SCPEP1</b>	1.09005522162706	<b>CTSS</b>	1.66211565935225
<b>FAM21D</b>	1.09081576518124	<b>CXCL10</b>	1.86266769838137
<b>TAPBPL</b>	1.09106338582248	<b>CXCL11</b>	1.96166196777404
<b>CCDC53</b>	1.09107708953206	<b>CXCL16</b>	1.6230866982302
<b>C1orf56</b>	1.09175381867722	<b>CXCL2</b>	1.98642131276319
<b>AP001258.4</b>	1.09183019726058	<b>CXCL3</b>	1.52292292985654
<b>LIMCH1</b>	1.09227662283236	<b>CXCL5</b>	1.49703662847563
<b>TLR3</b>	1.09234942438504	<b>CXCL8/IL8</b>	1.64559812305461
<b>AC015933.2</b>	1.09254470696512	<b>CYFIP2</b>	1.28710644953827
<b>ANGPTL4</b>	1.09326055136812	<b>CYP4F11</b>	1.0814590566505
<b>STEAP1</b>	1.09400266491591	<b>CYP4F35P</b>	1.15567052321818
<b>ZNF641</b>	1.094903322488	<b>CYP4V2</b>	1.98086818467713
<b>FAM214A</b>	1.09606848234828	<b>CYSTM1</b>	1.91058050898735
<b>C17orf103</b>	1.09774780025774	<b>DDIT3</b>	2.54750854436621
<b>RP3-395M20.8</b>	1.09930342322806	<b>DDO</b>	1.16975178792936
<b>CATSPERG</b>	1.09944918765075	<b>DDX58</b>	2.40046281634775
<b>HLA-C</b>	1.09970048375059	<b>DDX60</b>	2.33980620670998
<b>PIK3R6</b>	1.10087645702983	<b>DDX60L</b>	1.87825435165021
<b>RP11-690G19.3</b>	1.10129178231958	<b>DENND6B</b>	1.45583219675056
<b>CTGF</b>	1.10192946389516	<b>DHRS4-AS1</b>	1.02707138966756
<b>SPATA25</b>	1.10276592065639	<b>DHX58</b>	2.18811666945063
<b>COL13A1</b>	1.1028004968394	<b>DLGAP1-AS2</b>	1.79754622723753
<b>GCH1</b>	1.10309707426528	<b>DNAH17</b>	1.88080132781582
<b>POLR3GL</b>	1.10342113864864	<b>DNAH7</b>	1.30163578117456
<b>MCOLN1</b>	1.10379194958086	<b>DNASE2</b>	1.28574194974116

<b>USP41</b>	1.10438917949047	<b>DNHD1</b>	1.0121786991557
<b>CTD-2196E14.4</b>	1.10484259790815	<b>DOCK11</b>	1.89589614483405
<b>MPP7</b>	1.10520536606954	<b>DOCK4</b>	1.32170146739854
<b>PIGZ</b>	1.1056210604382	<b>DPYSL2</b>	1.21954543002655
<b>CLIP4</b>	1.10768919689329	<b>DRP2</b>	1.41018792153619
<b>KB-1507C5.2</b>	1.10869714296043	<b>DTX3L</b>	1.00716247017992
<b>KCNQ4</b>	1.10907929368837	<b>DTX4</b>	1.86474029881333
<b>OSTM1</b>	1.10999115182207	<b>DUSP4</b>	1.57250009505546
<b>MANSC1</b>	1.11044254641395	<b>DUSP6</b>	1.16422824784841
<b>CAPS</b>	1.11045275070293	<b>DYNAP</b>	1.07703146700828
<b>SFTA1P</b>	1.1106784751687	<b>EBI3</b>	1.76003433320266
<b>RP11-540A21.2</b>	1.11081834657618	<b>EDA2R</b>	1.02772575228254
<b>WDR54</b>	1.11180872643702	<b>EFTUD1</b>	1.15837810039345
<b>RP11-367F23.2</b>	1.11380030084982	<b>EIF2AK2</b>	1.33328231890773
<b>NBR2</b>	1.11459169406195	<b>EML5</b>	1.57892544414755
<b>ZMAT3</b>	1.11555656538784	<b>ENO2</b>	1.11655019246709
<b>ITGAX</b>	1.11632639562771	<b>ENO3</b>	1.08451286572473
<b>ENO2</b>	1.11655019246709	<b>ENTPD5</b>	1.16854947684101
<b>TSC22D3</b>	1.11682763398538	<b>EPB41L1</b>	1.31392175965825
<b>IDUA</b>	1.11707986921652	<b>EPG5</b>	1.30366044949947
<b>RHPN1</b>	1.11764127363643	<b>EPHB1</b>	1.17948358111908
<b>FYN</b>	1.11800844077292	<b>EPN2</b>	1.44727761959367
<b>GLI1</b>	1.11935048552137	<b>ERICH2</b>	1.15392300371945
<b>TRAF5</b>	1.11978203674865	<b>ERN1</b>	1.00273300365534
<b>IFI27L2</b>	1.12178089714761	<b>ETHE1</b>	1.24886733145573
<b>CSTB</b>	1.12227409850012	<b>ETV5</b>	1.0237607125337
<b>ZNF165</b>	1.12280505003137	<b>ETV7</b>	1.74499447934318
<b>ICAM1</b>	1.1229718299245	<b>EVI2B</b>	1.77587127972478
<b>RIOK3</b>	1.12333854817786	<b>EXD3</b>	1.17439414809647
<b>FBXL2</b>	1.123591568454	<b>FAM129A</b>	1.00050382908327
<b>MAL2</b>	1.12410095751182	<b>FAM134B</b>	1.24545604036275
<b>SERTAD4</b>	1.12449852255689	<b>FAM177B</b>	1.65308597333712
<b>RP11-350J20.12</b>	1.12658923334186	<b>FAM179B</b>	1.05549498965436
<b>PPP4R4</b>	1.12880603381052	<b>FAM196B</b>	1.69166307588974
<b>RP11-326K13.4</b>	1.12903594475095	<b>FAM214A</b>	1.09606848234828
<b>ITGA2</b>	1.1295128207201	<b>FAM21C</b>	1.02941800908614
<b>FBN1</b>	1.13052177722467	<b>FAM21D</b>	1.09081576518124
<b>CALB2</b>	1.13057453606141	<b>FAM46A</b>	1.14531886080031
<b>SQRDL</b>	1.13176697638868	<b>FAM66C</b>	1.4871385659702
<b>SEMA4A</b>	1.13180204723393	<b>FAM83G</b>	3.47461962537718
<b>TM7SF2</b>	1.13542649404049	<b>FAM84B</b>	1.23008850178387
<b>ITK</b>	1.13699368982749	<b>FAS</b>	1.02866312465589
<b>NR1D1</b>	1.13760798286048	<b>FAT3</b>	1.08473195416817
<b>FHIT</b>	1.13799216724251	<b>FBN1</b>	1.13052177722467
<b>RP11-221N13.3</b>	1.13936233586348	<b>FBXL2</b>	1.123591568454
<b>ZFP3</b>	1.14030168438107	<b>FBXO39</b>	3.73276769695771
<b>ATP8B1</b>	1.1404974009089	<b>FBXO6</b>	1.50404419634936
<b>CATSPER2P1</b>	1.14149997656904	<b>FCER1G</b>	1.06501345234001
<b>PMAIP1</b>	1.14186799793754	<b>FGF18</b>	1.74578073087503
<b>PSTPIP2</b>	1.14202546733791	<b>FHIT</b>	1.13799216724251

<b>RP11-353B9.1</b>	1.14442383074401	<b>FLRT1</b>	2.55772265168186
<b>FAM46A</b>	1.14531886080031	<b>FNIP2</b>	1.08891909962167
<b>RP13-941N14.1</b>	1.14570080348237	<b>FOLR3</b>	1.22615735061175
<b>KLHDC7A</b>	1.14798474144998	<b>FRY</b>	1.64104942068387
<b>BTG1</b>	1.14835740062087	<b>FTH1</b>	1.29198504562995
<b>RTN4R</b>	1.15184158592982	<b>FTH1P1</b>	1.44741945576255
<b>FTH1P15</b>	1.15250161271945	<b>FTH1P10</b>	1.24370018426485
<b>PTPRU</b>	1.15349303642797	<b>FTH1P11</b>	1.38786021237305
<b>ERICH2</b>	1.15392300371945	<b>FTH1P15</b>	1.15250161271945
<b>KIF6</b>	1.15395429836788	<b>FTH1P16</b>	1.29710312683566
<b>XDH</b>	1.15521541567978	<b>FTH1P2</b>	1.36129038594388
<b>CYP4F35P</b>	1.15567052321818	<b>FTH1P20</b>	1.60226023917906
<b>RP11-263K19.6</b>	1.15616246949753	<b>FTH1P5</b>	1.45834736861469
<b>EFTUD1</b>	1.15837810039345	<b>FTH1P7</b>	1.26579416312132
<b>RP11-6J24.6</b>	1.15928998049928	<b>FTH1P8</b>	1.18368433481167
<b>DUSP6</b>	1.16422824784841	<b>FUCA1</b>	1.68999079747455
<b>SIK1</b>	1.16504601481206	<b>FUT1</b>	2.23790647319247
<b>PPAPDC3</b>	1.16644955140164	<b>FYN</b>	1.11800844077292
<b>PHLDA1</b>	1.16649989107671	<b>FZD8</b>	1.03250184909726
<b>NPL</b>	1.16712250567283	<b>G0S2</b>	1.70851931043374
<b>ENTPD5</b>	1.16854947684101	<b>G6PD</b>	1.21824992051066
<b>CASP4</b>	1.16868081144624	<b>GAA</b>	1.30141785924109
<b>N4BP2L1</b>	1.16884802900267	<b>GAD1</b>	1.01461494528151
<b>DDO</b>	1.16975178792936	<b>GADD45A</b>	2.1060623013867
<b>CTD-2035E11.3</b>	1.17007592320388	<b>GALNT12</b>	1.29265517587353
<b>PCAT1</b>	1.17107404957138	<b>GAS6-AS2</b>	1.31341952347016
<b>PARD3B</b>	1.17185307950879	<b>GBA</b>	1.46012393104341
<b>ANXA8L2</b>	1.17200980496933	<b>GBP1</b>	1.03002119850481
<b>SLC31A2</b>	1.17291405617566	<b>GBP4</b>	2.92802818751107
<b>EXD3</b>	1.17439414809647	<b>GCH1</b>	1.10309707426528
<b>HLA-H</b>	1.17498507355425	<b>GCNT4</b>	1.0666612569001
<b>ZNF425</b>	1.17501605851875	<b>GDF15</b>	3.81694975103574
<b>RP11-383H13.1</b>	1.17606564419324	<b>GDPD5</b>	1.48395534603591
<b>RP11-379B18.5</b>	1.17625763591952	<b>GGACT</b>	1.0638790569173
<b>KIAA1407</b>	1.17674202036841	<b>GGT8P</b>	1.20039447583825
<b>AC074286.1</b>	1.17781806587397	<b>GLI1</b>	1.11935048552137
<b>SETDB2</b>	1.17808433383393	<b>GNPDA1</b>	1.25840106847223
<b>MIF4GD</b>	1.178145483456	<b>GOLGA7B</b>	2.16693348278606
<b>CALCOCO1</b>	1.17891462810709	<b>GPR115</b>	1.18156811572779
<b>EPHB1</b>	1.17948358111908	<b>GPR124</b>	2.07980220666846
<b>HINT3</b>	1.18024631053459	<b>GPR37L1</b>	1.38867604544028
<b>RP11-277L2.3</b>	1.18084890496409	<b>GPSM3</b>	2.13681590581323
<b>GPR115</b>	1.18156811572779	<b>GREB1</b>	1.44966946455241
<b>TMEM47</b>	1.182089558302	<b>GRN</b>	1.71785782803659
<b>SAMD12</b>	1.18314997339821	<b>GS1-600G8.5</b>	2.67315415478399
<b>STAP2</b>	1.18366035481947	<b>GSAP</b>	1.29284020671101
<b>FTH1P8</b>	1.18368433481167	<b>H1F0</b>	1.88252096463356
<b>RP11-554I8.2</b>	1.18910548471474	<b>H6PD</b>	1.04863531547775
<b>AC006262.5</b>	1.18953411827857	<b>HCFC1R1</b>	1.07972618260333
<b>HLA-L</b>	1.19122015088055	<b>HCP5</b>	1.76258367257603



<b>APOBEC3G</b>	1.19190053326621	<b>HELZ2</b>	1.71134577373914
<b>CARD16</b>	1.19529491274281	<b>HERC5</b>	1.8951013115438
<b>AP000330.8</b>	1.19618819121739	<b>HERC6</b>	1.80707176802674
<b>AIFM3</b>	1.19707232007224	<b>HES6</b>	1.02836393362897
<b>WNT4</b>	1.19750385242486	<b>HEXB</b>	1.02982972867853
<b>HPS1</b>	1.19754960661354	<b>HID1</b>	1.36689707615444
<b>HRK</b>	1.19812328380513	<b>HINT3</b>	1.18024631053459
<b>PPP1R14C</b>	1.19867321085182	<b>HIST1H2AC</b>	2.7931237990367
<b>CRB2</b>	1.19961508429274	<b>HIST1H2BD</b>	1.95771504760684
<b>SEMA3C</b>	1.19997574326388	<b>HIST1H2BJ</b>	1.39794816231561
<b>GGT8P</b>	1.20039447583825	<b>HIST1H2BK</b>	2.05011989058017
<b>CARF</b>	1.20088591269083	<b>HIST1H3E</b>	1.42367793763168
<b>LBX2</b>	1.20131060734051	<b>HIST1H4H</b>	1.06262807386377
<b>TINAGL1</b>	1.20172958275945	<b>HIST2H2BE</b>	1.27082022126544
<b>WLS</b>	1.20215178392488	<b>HIST2H4A</b>	1.23598336005135
<b>NIPIP1</b>	1.2021889519891	<b>HLA-A</b>	1.22241447286166
<b>RP11-420G6.4</b>	1.20278426885936	<b>HLA-B</b>	1.44540378950514
<b>BRI3</b>	1.20389819111405	<b>HLA-C</b>	1.09970048375059
<b>CTD-3018O17.3</b>	1.20391976480474	<b>HLA-F</b>	2.9225493761457
<b>SCARF1</b>	1.20420584724964	<b>HLA-G</b>	1.26820045025205
<b>CASP1</b>	1.20498345721132	<b>HLA-H</b>	1.17498507355425
<b>WDR31</b>	1.20603688100216	<b>HLA-L</b>	1.19122015088055
<b>RP11-50B3.4</b>	1.20674339993191	<b>HLA-V</b>	1.01258971000629
<b>VPS8</b>	1.20707336268267	<b>HMGA1</b>	1.36448390338403
<b>CTD-2521M24.9</b>	1.20924327443194	<b>HMGCL</b>	1.39477847178442
<b>ACYP2</b>	1.20926936228408	<b>HMOX1</b>	1.0387067154301
<b>RP11-359E10.1</b>	1.21144046285208	<b>HOXB-AS1</b>	1.03267074695566
<b>TXNIP</b>	1.2137964388319	<b>HPS1</b>	1.19754960661354
<b>CCPG1</b>	1.21407662962807	<b>HRK</b>	1.19812328380513
<b>PRIMA1</b>	1.21625703365411	<b>HS1BP3</b>	1.62151250318688
<b>G6PD</b>	1.21824992051066	<b>HSD11B1</b>	1.34816340267032
<b>DPYSL2</b>	1.21954543002655	<b>HSD17B7P2</b>	1.06739112162759
<b>PPP1R3B</b>	1.22103677503694	<b>HSH2D</b>	2.0800627853191
<b>CTD-2263F21.1</b>	1.22197284358393	<b>HTR1D</b>	1.05726011083163
<b>HLA-A</b>	1.22241447286166	<b>ICAM1</b>	1.1229718299245
<b>SDCBP</b>	1.22242572404208	<b>IDH1</b>	1.06373711667751
<b>IDNK</b>	1.22463039533699	<b>IDNK</b>	1.22463039533699
<b>AC104695.3</b>	1.22507177956087	<b>IDUA</b>	1.11707986921652
<b>FOLR3</b>	1.22615735061175	<b>IFI16</b>	1.46786669488773
<b>SLC17A5</b>	1.22761781163852	<b>IFI27</b>	3.59131698080898
<b>WHAMMP3</b>	1.22768677721009	<b>IFI27L2</b>	1.12178089714761
<b>FAM84B</b>	1.23008850178387	<b>IFI35</b>	1.78586784867623
<b>SMIM14</b>	1.2321775984016	<b>IFI44</b>	2.17439310742694
<b>OGDHL</b>	1.23251809307452	<b>IFI44L</b>	3.0722023795419
<b>PLLIP</b>	1.23350230962541	<b>IFI6</b>	2.46649977441892
<b>PIK3AP1</b>	1.23359141006439	<b>IFIH1</b>	2.68544624119787
<b>MIR146A</b>	1.233596210547	<b>IFIT1</b>	2.19005715842666
<b>RP11-774O3.3</b>	1.2337334280905	<b>IFIT2</b>	2.50218635662057
<b>ABHD4</b>	1.23478785363389	<b>IFIT3</b>	2.49956210290129
<b>RP11-806O11.1</b>	1.23568737102523	<b>IFIT5</b>	1.27670236539861

<b>HIST2H4A</b>	1.23598336005135	<b>IFITM1</b>	1.82525443044207
<b>LARP6</b>	1.23673253788157	<b>IFITM3</b>	1.32950143480476
<b>KRT34</b>	1.23869634870556	<b>IGDCC4</b>	2.15954155572912
<b>CHST2</b>	1.23887049944741	<b>IGFN1</b>	1.07951079608393
<b>WNT5A</b>	1.24131931340251	<b>IL11RA</b>	1.08544245054525
<b>PLAU</b>	1.24280843241905	<b>IL18R1</b>	1.69669060807191
<b>FTH1P10</b>	1.24370018426485	<b>IL1RN</b>	2.24225434688014
<b>SLIT2</b>	1.2449183969413	<b>IL20RB</b>	1.59427034948152
<b>SLC36A1</b>	1.2451861076954	<b>IL21R</b>	2.15914096683444
<b>FAM134B</b>	1.24545604036275	<b>IL34</b>	1.02204253619537
<b>ST6GALNAC5</b>	1.24577252611381	<b>IL36B</b>	2.75072916727668
<b>WDR78</b>	1.24753180031733	<b>IL36G</b>	1.7456079080231
<b>ETHE1</b>	1.24886733145573	<b>IL4I1</b>	1.5110062225016
<b>SIAE</b>	1.24969809068348	<b>IL6</b>	2.20355922282853
<b>MST1R</b>	1.2519365261201	<b>IL7R</b>	2.40103432295096
<b>PLD1</b>	1.25211742794588	<b>INHBE</b>	2.46358954973324
<b>CTD-3131K8.2</b>	1.25272216703987	<b>IQCD</b>	2.03800781909754
<b>ALS2CL</b>	1.25346180113923	<b>IRF5</b>	1.29793655878401
<b>JHDM1D-AS1</b>	1.25491688364862	<b>IRF6</b>	1.32728214509318
<b>KIAA1107</b>	1.25496480185487	<b>IRF7</b>	2.69612256476552
<b>ACSS1</b>	1.25641293388503	<b>IRF9</b>	1.38972032849734
<b>RPL29P19</b>	1.25748151507089	<b>ISG15</b>	2.42516778610244
<b>TOM1</b>	1.25833945089763	<b>ISG20</b>	2.90485179128354
<b>GNPDA1</b>	1.25840106847223	<b>ITGA1</b>	1.04738959035913
<b>RP5-1103G7.4</b>	1.2594668864267	<b>ITGA2</b>	1.1295128207201
<b>TMCC2</b>	1.25983246671357	<b>ITGAX</b>	1.11632639562771
<b>STC1</b>	1.26006265605948	<b>ITGB2</b>	3.3055176560441
<b>RRM2B</b>	1.26025828785602	<b>ITGB2-AS1</b>	3.20685153729175
<b>C14orf79</b>	1.2608445046627	<b>ITIH5</b>	1.06856977813402
<b>AHNAK2</b>	1.26312364823923	<b>ITK</b>	1.13699368982749
<b>FTH1P7</b>	1.26579416312132	<b>JDP2</b>	1.58083500034766
<b>HLA-G</b>	1.26820045025205	<b>JHDM1D-AS1</b>	1.25491688364862
<b>P2RX6P</b>	1.27000467101845	<b>JPH2</b>	1.97988820988371
<b>AC019172.2</b>	1.27049307982781	<b>JUP</b>	1.90764516037685
<b>HIST2H2BE</b>	1.27082022126544	<b>KB-1460A1.5</b>	1.80579631362531
<b>ZMIZ1-AS1</b>	1.27093420171083	<b>KB-1507C5.2</b>	1.10869714296043
<b>C8orf34</b>	1.27126073197719	<b>KBTBD11</b>	1.98181042331209
<b>LINC00087</b>	1.27398647957422	<b>KCNK3</b>	1.00065421717695
<b>RP11-49I11.2</b>	1.27592157971215	<b>KCNQ4</b>	1.10907929368837
<b>XPA</b>	1.2761414010949	<b>KCP</b>	1.71374222626367
<b>IFIT5</b>	1.27670236539861	<b>KCTD11</b>	1.08779459500966
<b>SLC9A2</b>	1.27886294629718	<b>KDM7A</b>	1.36755664321445
<b>TRAF3IP2-AS1</b>	1.27931724026763	<b>KIAA0319</b>	1.64670234107939
<b>AC104135.4</b>	1.27965561488457	<b>KIAA1107</b>	1.25496480185487
<b>RNF187</b>	1.27984912049464	<b>KIAA1407</b>	1.17674202036841
<b>PLEKHA4</b>	1.28001768827724	<b>KIF6</b>	1.15395429836788
<b>TRIM25</b>	1.28191341981459	<b>KLF4</b>	2.27447287827066
<b>C1orf85</b>	1.28194921093349	<b>KLHDC7A</b>	1.14798474144998
<b>PARP12</b>	1.28422142529042	<b>KLHDC9</b>	1.04039377227842
<b>UPP1</b>	1.28431907268179	<b>KLHL24</b>	1.8875793982927

<b>DNASE2</b>	1.28574194974116	<b>KLHL31</b>	1.0698497360459
<b>PRLR</b>	1.28618881879449	<b>KRT34</b>	1.23869634870556
<b>CYFIP2</b>	1.28710644953827	<b>KRT7</b>	2.09480184064817
<b>RP11-50E11.3</b>	1.2871961987459	<b>KRT81</b>	1.87868944102663
<b>SEC31B</b>	1.28784089744608	<b>KYNU</b>	1.40350887681271
<b>FTH1</b>	1.29198504562995	<b>L1CAM</b>	2.47127429736538
<b>GALNT12</b>	1.29265517587353	<b>LACC1</b>	1.59343181179381
<b>GSAP</b>	1.29284020671101	<b>LAMA1</b>	1.43176546043601
<b>P2RX7</b>	1.2970065454395	<b>LARP6</b>	1.23673253788157
<b>FTH1P16</b>	1.29710312683566	<b>LBH</b>	1.50665357494338
<b>IRF5</b>	1.29793655878401	<b>LBX2</b>	1.20131060734051
<b>WDR63</b>	1.29940466680182	<b>LCP1</b>	2.72400955472557
<b>MMP15</b>	1.30140224155517	<b>LGALS9</b>	1.50222383621064
<b>GAA</b>	1.30141785924109	<b>LIMCH1</b>	1.09227662283236
<b>DNAH7</b>	1.30163578117456	<b>LINC00087</b>	1.27398647957422
<b>RP11-551L14.4</b>	1.30287304774578	<b>LINC00504</b>	1.40741411670262
<b>SLC37A1</b>	1.3035894222769	<b>LINC00520</b>	1.56483130978955
<b>EPG5</b>	1.30366044949947	<b>LINC00862</b>	1.37656310565896
<b>ABCC3</b>	1.30484418587795	<b>LINC00886</b>	1.46803857406689
<b>PPAP2B</b>	1.30733540258546	<b>LINC00944</b>	1.08011575892381
<b>TCEAL4</b>	1.30955108950071	<b>LINC01021</b>	1.38514210326697
<b>RP11-796G6.2</b>	1.31043398289841	<b>LL21NC02-1C16</b>	1.6524843680838
<b>RP11-1094H24.4</b>	1.31192877952737	<b>LMLN</b>	1.00706443217257
<b>AGA</b>	1.31202043762431	<b>LRRRC37A15P</b>	1.08450054864156
<b>SNAI2</b>	1.3127255899677	<b>LRRRC49</b>	1.05332642100576
<b>PLA2G16</b>	1.3131248259042	<b>LSMEM1</b>	1.0595373299896
<b>GAS6-AS2</b>	1.31341952347016	<b>LTF</b>	1.80630758322289
<b>EPB41L1</b>	1.31392175965825	<b>LURAP1L</b>	2.20000574511242
<b>C10orf11</b>	1.31617453855123	<b>LY6E</b>	1.6594976033437
<b>RP11-589P10.5</b>	1.31723328289719	<b>LY96</b>	2.45144527200719
<b>DOCK4</b>	1.32170146739854	<b>LYRM9</b>	1.39379494217065
<b>UAP1L1</b>	1.3232697424833	<b>MAFF</b>	1.63199247962318
<b>AKR1C2</b>	1.32475654010925	<b>MAL2</b>	1.12410095751182
<b>MROH8</b>	1.32685990996683	<b>MANBA</b>	1.39904595285751
<b>ST8SIA1</b>	1.32711613686231	<b>MANSC1</b>	1.11044254641395
<b>IRF6</b>	1.32728214509318	<b>MAP2</b>	1.36724645047657
<b>RP11-166B2.1</b>	1.32764061497042	<b>MARCH2</b>	1.46319642721146
<b>IFITM3</b>	1.32950143480476	<b>MBP</b>	1.05310914832238
<b>EIF2AK2</b>	1.33328231890773	<b>MCOLN1</b>	1.10379194958086
<b>PIWIL4</b>	1.33385881251166	<b>MCOLN3</b>	2.03474363199805
<b>TMEM139</b>	1.33406296048599	<b>MEGF6</b>	2.03137622322269
<b>CCDC62</b>	1.33808724857411	<b>MIF4GD</b>	1.178145483456
<b>NLRC5</b>	1.33912269393547	<b>MIPEPP3</b>	1.40460052461502
<b>ANXA8L1</b>	1.34176909986088	<b>MIR146A</b>	1.233596210547
<b>PREX1</b>	1.3440695085962	<b>MIR3189</b>	1.34860157794563
<b>C10orf55</b>	1.34437991001529	<b>MME</b>	1.80946410052082
<b>ORAI3</b>	1.34585105078917	<b>MMP15</b>	1.30140224155517
<b>HSD11B1</b>	1.34816340267032	<b>MORN4</b>	2.53414123870274
<b>MIR3189</b>	1.34860157794563	<b>MPP7</b>	1.10520536606954
<b>RP11-492E3.2</b>	1.35039448293863	<b>MR1</b>	1.517229367801

<b>RP11-89K10.1</b>	1.35121514030584	<b>MROH8</b>	1.32685990996683
<b>SPEF2</b>	1.35125129562466	<b>MSC</b>	1.46484601891281
<b>SLC46A3</b>	1.35361813906283	<b>MST1</b>	1.86543398154562
<b>SYNGR3</b>	1.35472690903002	<b>MST1R</b>	1.2519365261201
<b>C19orf66</b>	1.35586761809029	<b>MT-TD</b>	1.01873724965867
<b>CRYAB</b>	1.3571496962704	<b>MUC13</b>	1.06966814674363
<b>ZNF23</b>	1.35980149212012	<b>MX1</b>	2.73787430340931
<b>FTH1P2</b>	1.36129038594388	<b>MX2</b>	3.76502873946905
<b>RP11-705C15.3</b>	1.36188593924585	<b>MYO1D</b>	1.03882693286216
<b>CLTCL1</b>	1.36242980371657	<b>N4BP2L1</b>	1.16884802900267
<b>HMGAI</b>	1.36448390338403	<b>N4BP3</b>	2.81546348171798
<b>HID1</b>	1.36689707615444	<b>NANOS1</b>	1.06690461576898
<b>MAP2</b>	1.36724645047657	<b>NBR2</b>	1.11459169406195
<b>KDM7A</b>	1.36755664321445	<b>NCF2</b>	1.83878701201906
<b>ARRDC4</b>	1.37082391793086	<b>NCOA7</b>	1.07926580431786
<b>OSER1-AS1</b>	1.37243188018044	<b>NCR3LG1</b>	1.54119110793154
<b>C15orf65</b>	1.37397451789271	<b>NDUFA4L2</b>	1.82594213190998
<b>AC097662.2</b>	1.37549503095335	<b>NEU1</b>	1.69779098178573
<b>ABCA3</b>	1.37552443240479	<b>NEURL3</b>	1.79187275942475
<b>TTLL6</b>	1.37650796170436	<b>NINJ1</b>	1.03248985653567
<b>LINC00862</b>	1.37656310565896	<b>NLRC5</b>	1.33912269393547
<b>RP11-458F8.4</b>	1.37673297624948	<b>NOV</b>	2.14301002628458
<b>TMEM229B</b>	1.37893593243201	<b>NPC2</b>	1.63319246380814
<b>TMIE</b>	1.38030340719988	<b>NPIPP1</b>	1.2021889519891
<b>SORCS2</b>	1.3804960698029	<b>NPL</b>	1.16712250567283
<b>PSAT1</b>	1.38237365480818	<b>NPTXR</b>	1.04128903794663
<b>TFEC</b>	1.38326628261376	<b>NR1D1</b>	1.13760798286048
<b>CSF2</b>	1.38439201871015	<b>NR3C2</b>	1.73832165235334
<b>AC005077.12</b>	1.38459967024167	<b>NRCAM</b>	1.45459636436011
<b>LINC01021</b>	1.38514210326697	<b>NTM</b>	2.33116367738562
<b>TRAPPC6A</b>	1.3856521585271	<b>NTNG2</b>	1.44534276833682
<b>ARHGEF2</b>	1.38724618273936	<b>NUAK2</b>	1.49708398700562
<b>FTH1P11</b>	1.38786021237305	<b>NUDT7</b>	1.60284593709497
<b>PODXL</b>	1.38853760512341	<b>NUPR1</b>	2.77134440215687
<b>GPR37L1</b>	1.38867604544028	<b>NXPH4</b>	2.14395619808565
<b>SOCS2-AS1</b>	1.38970930289199	<b>OAS1</b>	2.84780226573248
<b>IRF9</b>	1.38972032849734	<b>OAS2</b>	2.63592736318857
<b>CCL20</b>	1.39042614457625	<b>OAS3</b>	1.76332001070187
<b>TMEM173</b>	1.39056287286301	<b>OASL</b>	3.33334928982827
<b>SAMD9</b>	1.39061162714035	<b>ODF3B</b>	1.01190614071574
<b>RP11-356J5.12</b>	1.39092730400963	<b>OGDHL</b>	1.23251809307452
<b>RP13-143G15.4</b>	1.39162636288249	<b>ORAI3</b>	1.34585105078917
<b>RP11-334C17.5</b>	1.39308907329939	<b>OSCP1</b>	1.71845692346258
<b>LYRM9</b>	1.39379494217065	<b>OSER1-AS1</b>	1.37243188018044
<b>HMGCL</b>	1.39477847178442	<b>OSTM1</b>	1.10999115182207
<b>C4BPB</b>	1.39480234245404	<b>P2RX4</b>	1.42470632965901
<b>HIST1H2BJ</b>	1.39794816231561	<b>P2RX6P</b>	1.27000467101845
<b>SLC6A9</b>	1.39849458214385	<b>P2RX7</b>	1.2970065454395
<b>MANBA</b>	1.39904595285751	<b>PABPC1L</b>	1.02492148312894
<b>B2M</b>	1.40032560741944	<b>PAPPA2</b>	2.14690206143246

<b>PHACTR1</b>	1.40218503523581	<b>PARD3B</b>	1.17185307950879
<b>YPEL1</b>	1.4022251714447	<b>PARP12</b>	1.28422142529042
<b>KYNU</b>	1.40350887681271	<b>PARP14</b>	1.49060511486142
<b>MIPEPP3</b>	1.40460052461502	<b>PARP9</b>	1.59769823108178
<b>RP11-612B6.2</b>	1.40619254054844	<b>PATL2</b>	2.16937370608213
<b>C6orf1</b>	1.40641978829666	<b>PAX8-AS1</b>	2.62101405878717
<b>LINC00504</b>	1.40741411670262	<b>PAXIP1-AS2</b>	1.43804889680553
<b>ZFP90</b>	1.40756405837094	<b>PCAT1</b>	1.17107404957138
<b>DRP2</b>	1.41018792153619	<b>PCDH1</b>	1.45978370982489
<b>TPCN1</b>	1.41159431879647	<b>PCK2</b>	1.78801505398269
<b>AMDHD1</b>	1.41236126569185	<b>PDCD1LG2</b>	1.82381408505664
<b>RP1-239B22.5</b>	1.41258835286138	<b>PDE11A</b>	1.02101876812181
<b>TOB2P1</b>	1.41282214828833	<b>PDZK1IP1</b>	1.42939298907232
<b>C1orf228</b>	1.41743223614279	<b>PEX1</b>	1.00928940554534
<b>RAB27B</b>	1.41761616979073	<b>PFKFB2</b>	1.00920265660821
<b>CCL5</b>	1.41827006493955	<b>PGPEP1</b>	1.70161258618228
<b>TMEM200C</b>	1.42048075866916	<b>PHACTR1</b>	1.40218503523581
<b>WBSCR27</b>	1.42212478619017	<b>PHLDA1</b>	1.16649989107671
<b>HIST1H3E</b>	1.42367793763168	<b>PIGZ</b>	1.1056210604382
<b>C21orf67</b>	1.42378135810671	<b>PIK3AP1</b>	1.23359141006439
<b>P2RX4</b>	1.42470632965901	<b>PIK3IP1</b>	1.71024436782226
<b>PDZK1IP1</b>	1.42939298907232	<b>PIK3R6</b>	1.10087645702983
<b>LAMA1</b>	1.43176546043601	<b>PIP5KL1</b>	1.5231777934363
<b>PAXIP1-AS2</b>	1.43804889680553	<b>PIWIL4</b>	1.33385881251166
<b>RP1-140K8.5</b>	1.44359555916713	<b>PKD1L2</b>	1.07530575918251
<b>VSTM1</b>	1.44456868639835	<b>PKP2</b>	1.06737108534123
<b>NTNG2</b>	1.44534276833682	<b>PLA2G16</b>	1.3131248259042
<b>HLA-B</b>	1.44540378950514	<b>PLA2G4C</b>	2.52893303060006
<b>PVRL4</b>	1.44581687472744	<b>PLAT</b>	2.41735994643774
<b>EPN2</b>	1.44727761959367	<b>PLAU</b>	1.24280843241905
<b>FTH1P1</b>	1.44741945576255	<b>PLBD2</b>	1.08108454379818
<b>GREB1</b>	1.44966946455241	<b>PLCG2</b>	1.80371383562694
<b>RP11-61L23.2</b>	1.45240766863889	<b>PLD1</b>	1.25211742794588
<b>CPNE7</b>	1.45420640326469	<b>PLEKHA4</b>	1.28001768827724
<b>NRCAM</b>	1.45459636436011	<b>PLEKHG1</b>	1.57307659934321
<b>DENND6B</b>	1.45583219675056	<b>PLK3</b>	1.72646082712759
<b>COLGALT2</b>	1.45648050143511	<b>PLLP</b>	1.23350230962541
<b>CTNS</b>	1.45752439810988	<b>PLSCR1</b>	1.74649178244896
<b>TYMP</b>	1.45761489080338	<b>PLTP</b>	1.00115578827035
<b>FTH1P5</b>	1.45834736861469	<b>PLXNA2</b>	2.06367725180944
<b>RHEBL1</b>	1.45973807406176	<b>PMAIP1</b>	1.14186799793754
<b>PCDH1</b>	1.45978370982489	<b>PNMA2</b>	2.10863513524889
<b>GBA</b>	1.46012393104341	<b>PODXL</b>	1.38853760512341
<b>C1orf54</b>	1.46181854047965	<b>POLR3GL</b>	1.10342113864864
<b>MARCH2</b>	1.46319642721146	<b>POU2F2</b>	1.01566355191543
<b>CTD-3065J16.9</b>	1.46346903750494	<b>PPAP2B</b>	1.30733540258546
<b>MSC</b>	1.46484601891281	<b>PPAPDC3</b>	1.16644955140164
<b>IFI16</b>	1.46786669488773	<b>PPARGC1A</b>	1.77742521182603
<b>LINC00886</b>	1.46803857406689	<b>PPP1R14C</b>	1.19867321085182
<b>WNT10A</b>	1.46837741825611	<b>PPP1R15A</b>	1.94145311419807

<b>ASAH1</b>	1.46984224792915	<b>PPP1R3B</b>	1.22103677503694
<b>SPINK1</b>	1.47069240522206	<b>PPP3CC</b>	1.08822675707958
<b>ADHFE1</b>	1.47089772774052	<b>PPP4R4</b>	1.12880603381052
<b>AGTRAP</b>	1.47762453644249	<b>PQLC3</b>	1.0087790523722
<b>ROBO3</b>	1.48039274730284	<b>PREX1</b>	1.3440695085962
<b>RPS6KA2</b>	1.48115835858569	<b>PRIMA1</b>	1.21625703365411
<b>ANO9</b>	1.4819829771699	<b>PRLR</b>	1.28618881879449
<b>C2orf81</b>	1.48252951335324	<b>PSAT1</b>	1.38237365480818
<b>GDPD5</b>	1.48395534603591	<b>PSMB9</b>	1.52961364676082
<b>TAPSAR1</b>	1.48399865969296	<b>PSORS1C1</b>	1.61783395378769
<b>RHOT1P1</b>	1.48504257221046	<b>PSTPIP2</b>	1.14202546733791
<b>TP53INP1</b>	1.48539627123512	<b>PTGFR</b>	1.04666307157735
<b>RARRES3</b>	1.4861367346564	<b>PTK6</b>	1.63997890553308
<b>RP11-640M9.1</b>	1.48625240757972	<b>PTPRN2</b>	1.0063860306722
<b>SLC2A3</b>	1.48664217231728	<b>PTPRU</b>	1.15349303642797
<b>FAM66C</b>	1.4871385659702	<b>PTX3</b>	2.09562972075183
<b>RP11-403I13.8</b>	1.48941547084869	<b>PVRL4</b>	1.44581687472744
<b>TAP1</b>	1.49041906882535	<b>RAB27B</b>	1.41761616979073
<b>PARP14</b>	1.49060511486142	<b>RAB3D</b>	1.55610214816337
<b>TMC6</b>	1.49331429345862	<b>RAG1</b>	1.0786378854483
<b>TNFSF4</b>	1.49332268462765	<b>RAP2C-AS1</b>	1.05893148760224
<b>APOL6</b>	1.49417493665059	<b>RARRES3</b>	1.4861367346564
<b>CNTNAP1</b>	1.49445441637225	<b>RASGEF1B</b>	1.64971746659401
<b>CXCL5</b>	1.49703662847563	<b>RASGRF1</b>	2.24581798566592
<b>NUAK2</b>	1.49708398700562	<b>RASGRP3</b>	2.20274016009557
<b>LGALS9</b>	1.50222383621064	<b>RBM43</b>	1.07421423411539
<b>FBXO6</b>	1.50404419634936	<b>RELN</b>	1.74902809012248
<b>LBH</b>	1.50665357494338	<b>RENBP</b>	2.06540921625549
<b>RILP</b>	1.50957514079555	<b>RETSAT</b>	1.03001396702983
<b>RRAGC</b>	1.51029633802055	<b>RHBDF1P1</b>	1.08598769990676
<b>BTG2</b>	1.51032078741087	<b>RHEBL1</b>	1.45973807406176
<b>RND3</b>	1.51046426067427	<b>RHOT1P1</b>	1.48504257221046
<b>IL4I1</b>	1.5110062225016	<b>RHPN1</b>	1.11764127363643
<b>MR1</b>	1.517229367801	<b>RILP</b>	1.50957514079555
<b>AC007246.3</b>	1.51994021336256	<b>RIOK3</b>	1.12333854817786
<b>RP11-284F21.9</b>	1.52029798334989	<b>RND3</b>	1.51046426067427
<b>SLC26A11</b>	1.5211491088903	<b>RNF144B</b>	1.81167394432305
<b>CXCL3</b>	1.52292292985654	<b>RNF187</b>	1.27984912049464
<b>PIP5KL1</b>	1.5231777934363	<b>RNF32</b>	1.02414631165113
<b>SLC22A15</b>	1.52641835675296	<b>ROBO3</b>	1.48039274730284
<b>ACCS</b>	1.529583919021	<b>ROBO4</b>	1.60002396819334
<b>PSMB9</b>	1.52961364676082	<b>RP11-1094H24.</b>	1.31192877952737
<b>TRIM14</b>	1.53614490899108	<b>RP11-125B21.2</b>	1.87498629559274
<b>NCR3LG1</b>	1.54119110793154	<b>RP11-134G8.7</b>	1.00652880385992
<b>CD69</b>	1.54805972702016	<b>RP11-134L10.1</b>	1.7591796077356
<b>AKR1C1</b>	1.55027762140066	<b>RP11-1398P2.1</b>	1.07779829029524
<b>CCDC69</b>	1.55492321283003	<b>RP11-166B2.1</b>	1.32764061497042
<b>RAB3D</b>	1.55610214816337	<b>RP11-166O4.5</b>	1.02519993446637
<b>CLDN1</b>	1.55625053010183	<b>RP11-166O4.6</b>	1.02933415197359
<b>CTSD</b>	1.55627822975634	<b>RP11-181E10.3</b>	1.02145207033715

<b>RP11-3L8.3</b>	1.55682072900733	<b>RP11-21L23.4</b>	1.04710313668583
<b>SLC48A1</b>	1.55837381709084	<b>RP11-221N13.3</b>	1.13936233586348
<b>RP11-298I3.4</b>	1.56429874064784	<b>RP11-227J5.3</b>	1.04382720147279
<b>ACP5</b>	1.56446072638876	<b>RP11-24F11.2</b>	2.0518488942509
<b>LINC00520</b>	1.56483130978955	<b>RP11-263K19.6</b>	1.15616246949753
<b>SEL1L3</b>	1.56736228366595	<b>RP11-26J3.1</b>	1.94354044642412
<b>DUSP4</b>	1.57250009505546	<b>RP11-277L2.3</b>	1.18084890496409
<b>PLEKHG1</b>	1.57307659934321	<b>RP11-284F21.9</b>	1.52029798334989
<b>SP110</b>	1.57641439793815	<b>RP11-288G3.4</b>	1.03697759902844
<b>EML5</b>	1.57892544414755	<b>RP11-298I3.4</b>	1.56429874064784
<b>JDP2</b>	1.58083500034766	<b>RP11-326G21.1</b>	1.90325166991463
<b>ALOX5</b>	1.58235148578748	<b>RP11-326K13.4</b>	1.12903594475095
<b>THBS3</b>	1.58442738501969	<b>RP11-334C17.5</b>	1.39308907329939
<b>TUBE1</b>	1.58865830174128	<b>RP11-350J20.1</b>	1.12658923334186
<b>RP1-249H1.4</b>	1.59078055894415	<b>RP11-353B9.1</b>	1.14442383074401
<b>LACC1</b>	1.59343181179381	<b>RP11-356J5.12</b>	1.39092730400963
<b>IL20RB</b>	1.59427034948152	<b>RP11-359E10.1</b>	1.21144046285208
<b>PARP9</b>	1.59769823108178	<b>RP11-367F23.2</b>	1.11380030084982
<b>BTC</b>	1.59894742371972	<b>RP11-379B18.5</b>	1.17625763591952
<b>ROBO4</b>	1.60002396819334	<b>RP11-383C5.4</b>	1.02011541812085
<b>FTH1P20</b>	1.60226023917906	<b>RP11-383H13.1</b>	1.17606564419324
<b>NUDT7</b>	1.60284593709497	<b>RP11-38L15.3</b>	1.07646446134739
<b>CCDC122</b>	1.60589472092142	<b>RP11-3L8.3</b>	1.55682072900733
<b>TNFRSF14</b>	1.61010528800101	<b>RP11-403I13.8</b>	1.48941547084869
<b>SGPP2</b>	1.61220071824513	<b>RP1-140K8.5</b>	1.44359555916713
<b>SMIM2-AS1</b>	1.61406794506295	<b>RP11-420G6.4</b>	1.20278426885936
<b>TSPAN18</b>	1.61749907384927	<b>RP11-458F8.4</b>	1.37673297624948
<b>PSORS1C1</b>	1.61783395378769	<b>RP11-459E5.1</b>	2.03299606671504
<b>HS1BP3</b>	1.62151250318688	<b>RP11-46C24.7</b>	1.03172231596233
<b>CXCL16</b>	1.6230866982302	<b>RP11-492E3.2</b>	1.35039448293863
<b>ANKRD1</b>	1.62445140993393	<b>RP11-49I11.1</b>	1.0469937145582
<b>SLC22A18</b>	1.62839235910311	<b>RP11-49I11.2</b>	1.27592157971215
<b>ZNF396</b>	1.62868843318118	<b>RP11-50B3.4</b>	1.20674339993191
<b>MAFF</b>	1.63199247962318	<b>RP11-50E11.3</b>	1.2871961987459
<b>NPC2</b>	1.63319246380814	<b>RP11-540A21.2</b>	1.11081834657618
<b>AC007566.10</b>	1.6351200112413	<b>RP11-545I5.3</b>	1.07780464356894
<b>PTK6</b>	1.63997890553308	<b>RP11-551L14.4</b>	1.30287304774578
<b>FRY</b>	1.64104942068387	<b>RP11-554I8.2</b>	1.18910548471474
<b>CREBRF</b>	1.64490399515525	<b>RP11-558F24.4</b>	1.08313168219173
<b>CXCL8/IL8</b>	1.64559812305461	<b>RP11-589P10.5</b>	1.31723328289719
<b>KIAA0319</b>	1.64670234107939	<b>RP11-612B6.2</b>	1.40619254054844
<b>SPRY4</b>	1.64776938160739	<b>RP11-61L23.2</b>	1.45240766863889
<b>BATF2</b>	1.64778161800194	<b>RP11-63P12.6</b>	1.0877571285746
<b>RASGEF1B</b>	1.64971746659401	<b>RP11-640M9.1</b>	1.48625240757972
<b>LL21NC02-1C16.</b>	1.6524843680838	<b>RP11-662I13.2</b>	1.05781217698702
<b>FAM177B</b>	1.65308597333712	<b>RP11-690G19.3</b>	1.10129178231958
<b>LY6E</b>	1.6594976033437	<b>RP11-6J24.6</b>	1.15928998049928
<b>CTSS</b>	1.66211565935225	<b>RP11-705C15.2</b>	1.85025614193895
<b>RTP4</b>	1.67220345950211	<b>RP11-705C15.3</b>	1.36188593924585
<b>ANKRD20A5P</b>	1.67278824150185	<b>RP11-774O3.3</b>	1.2337334280905

<b>CBS</b>	1.6738423413287	<b>RP11-77H9.2</b>	1.0633020122538
<b>WNK4</b>	1.67445719358038	<b>RP11-796G6.2</b>	1.31043398289841
<b>C1orf226</b>	1.67610588263144	<b>RP11-7F17.1</b>	1.0235789216775
<b>SGSH</b>	1.67704217076768	<b>RP11-806O11.1</b>	1.23568737102523
<b>WARS</b>	1.67754582596937	<b>RP11-818F20.5</b>	2.00911044582093
<b>RRAGD</b>	1.67790086872694	<b>RP11-89K10.1</b>	1.35121514030584
<b>RP3-326I13.1</b>	1.68050832267253	<b>RP11-91K9.1</b>	1.06438069970389
<b>SAMHD1</b>	1.68592287618456	<b>RP11-955H22.1</b>	2.06391496904572
<b>CDKN1A</b>	1.68879758261723	<b>RP1-239B22.5</b>	1.41258835286138
<b>FUCA1</b>	1.68999079747455	<b>RP1-249H1.4</b>	1.59078055894415
<b>FAM196B</b>	1.69166307588974	<b>RP13-143G15.3</b>	1.98342982843429
<b>CD22</b>	1.69602568539678	<b>RP13-143G15.4</b>	1.39162636288249
<b>IL18R1</b>	1.69669060807191	<b>RP13-941N14.1</b>	1.14570080348237
<b>NEU1</b>	1.69779098178573	<b>RP3-326I13.1</b>	1.68050832267253
<b>PGPEP1</b>	1.70161258618228	<b>RP3-395M20.8</b>	1.09930342322806
<b>G0S2</b>	1.70851931043374	<b>RP3-510D11.2</b>	1.08557736699511
<b>PIK3IP1</b>	1.71024436782226	<b>RP4-740C4.6</b>	1.02792932778768
<b>HELZ2</b>	1.71134577373914	<b>RP4-813F11.4</b>	1.87370605577548
<b>BTBD19</b>	1.71257234534651	<b>RP5-1103G7.4</b>	1.2594668864267
<b>KCP</b>	1.71374222626367	<b>RP5-1148A21.3</b>	1.04637836142152
<b>GRN</b>	1.71785782803659	<b>RP5-864K19.4</b>	2.40054848064213
<b>OSCP1</b>	1.71845692346258	<b>RPL29P19</b>	1.25748151507089
<b>SBF2-AS1</b>	1.72025845455979	<b>RPS6KA2</b>	1.48115835858569
<b>ASNS</b>	1.72556966923426	<b>RRAGC</b>	1.51029633802055
<b>PLK3</b>	1.72646082712759	<b>RRAGD</b>	1.67790086872694
<b>SP140</b>	1.72924660506713	<b>RRM2B</b>	1.26025828785602
<b>CTH</b>	1.72954609648694	<b>RSAD2</b>	1.74604883371456
<b>NR3C2</b>	1.73832165235334	<b>RTN4R</b>	1.15184158592982
<b>C1R</b>	1.74451387550333	<b>RTP4</b>	1.67220345950211
<b>ETV7</b>	1.74499447934318	<b>SAA1</b>	2.33379542417038
<b>IL36G</b>	1.7456079080231	<b>SAA2</b>	1.98072979646251
<b>FGF18</b>	1.74578073087503	<b>SAMD12</b>	1.18314997339821
<b>RSAD2</b>	1.74604883371456	<b>SAMD5</b>	1.99193879679346
<b>PLSCR1</b>	1.74649178244896	<b>SAMD9</b>	1.39061162714035
<b>RELN</b>	1.74902809012248	<b>SAMD9L</b>	2.30413951897807
<b>RP11-134L10.1</b>	1.7591796077356	<b>SAMHD1</b>	1.68592287618456
<b>EBI3</b>	1.76003433320266	<b>SBF2-AS1</b>	1.72025845455979
<b>HCP5</b>	1.76258367257603	<b>SCARF1</b>	1.20420584724964
<b>OAS3</b>	1.76332001070187	<b>SCG5</b>	1.9258751658069
<b>TRIM69</b>	1.77283746604906	<b>SCPEP1</b>	1.09005522162706
<b>CLIP2</b>	1.77521834528032	<b>SDCBP</b>	1.22242572404208
<b>EVI2B</b>	1.77587127972478	<b>SDCBPP2</b>	1.04416597273452
<b>PPARGC1A</b>	1.77742521182603	<b>SEC31B</b>	1.28784089744608
<b>TRANK1</b>	1.77965561968146	<b>SEL1L3</b>	1.56736228366595
<b>AGXT2</b>	1.78088497641453	<b>SEMA3C</b>	1.19997574326388
<b>CTSO</b>	1.78178301657741	<b>SEMA4A</b>	1.13180204723393
<b>IFI35</b>	1.78586784867623	<b>SERTAD4</b>	1.12449852255689
<b>PCK2</b>	1.78801505398269	<b>SERTAD4-AS1</b>	1.822080070945
<b>TNFAIP3</b>	1.79132255121642	<b>SETDB2</b>	1.17808433383393
<b>NEURL3</b>	1.79187275942475	<b>SFTA1P</b>	1.1106784751687



<b>DLGAP1-AS2</b>	1.79754622723753	<b>SGK3</b>	1.0582519353189
<b>PLCG2</b>	1.80371383562694	<b>SGPP2</b>	1.61220071824513
<b>KB-1460A1.5</b>	1.80579631362531	<b>SGSH</b>	1.67704217076768
<b>LTF</b>	1.80630758322289	<b>SHISA4</b>	1.078571253177
<b>HERC6</b>	1.80707176802674	<b>SHISA9</b>	1.83716149916685
<b>MME</b>	1.80946410052082	<b>SIAE</b>	1.24969809068348
<b>RNF144B</b>	1.81167394432305	<b>SIGLEC15</b>	2.18671494076999
<b>SERTAD4-AS1</b>	1.822080070945	<b>SIK1</b>	1.16504601481206
<b>PDCD1LG2</b>	1.82381408505664	<b>SLC10A5</b>	1.00911654240335
<b>IFITM1</b>	1.82525443044207	<b>SLC15A3</b>	2.84566957298538
<b>NDUFA4L2</b>	1.82594213190998	<b>SLC16A4</b>	1.02591370913016
<b>CPED1</b>	1.82922444255622	<b>SLC17A5</b>	1.22761781163852
<b>SHISA9</b>	1.83716149916685	<b>SLC22A15</b>	1.52641835675296
<b>UNC5B</b>	1.83840606590664	<b>SLC22A18</b>	1.62839235910311
<b>NCF2</b>	1.83878701201906	<b>SLC26A11</b>	1.5211491088903
<b>C15orf48</b>	1.84868533390059	<b>SLC2A3</b>	1.48664217231728
<b>RP11-705C15.2</b>	1.85025614193895	<b>SLC31A2</b>	1.17291405617566
<b>APOL3</b>	1.85520773989058	<b>SLC36A1</b>	1.2451861076954
<b>CXCL10</b>	1.86266769838137	<b>SLC37A1</b>	1.3035894222769
<b>DTX4</b>	1.86474029881333	<b>SLC46A3</b>	1.35361813906283
<b>MST1</b>	1.86543398154562	<b>SLC48A1</b>	1.55837381709084
<b>RP4-813F11.4</b>	1.87370605577548	<b>SLC6A9</b>	1.39849458214385
<b>C1QTNF1-AS1</b>	1.87441333857102	<b>SLC7A11</b>	1.89311634638789
<b>RP11-125B21.2</b>	1.87498629559274	<b>SLC8A1</b>	1.07998635004338
<b>DDX60L</b>	1.87825435165021	<b>SLC9A2</b>	1.27886294629718
<b>KRT81</b>	1.87868944102663	<b>SLC9A9</b>	1.89341306291939
<b>DNAH17</b>	1.88080132781582	<b>SLCO2B1</b>	2.02853283877144
<b>H1FO</b>	1.88252096463356	<b>SLFN5</b>	2.81964476285716
<b>KLHL24</b>	1.8875793982927	<b>SLIT2</b>	1.2449183969413
<b>STC2</b>	1.89092266572632	<b>SMIM14</b>	1.2321775984016
<b>SLC7A11</b>	1.89311634638789	<b>SMIM2-AS1</b>	1.61406794506295
<b>SLC9A9</b>	1.89341306291939	<b>SMPDL3B</b>	2.15295180409983
<b>HERC5</b>	1.8951013115438	<b>SNAI2</b>	1.3127255899677
<b>DOCK11</b>	1.89589614483405	<b>SNTB1</b>	1.04511739394068
<b>RP11-326G21.1</b>	1.90325166991463	<b>SOCS2-AS1</b>	1.38970930289199
<b>AICDA</b>	1.90522835783926	<b>SOD2</b>	2.14467315548957
<b>JUP</b>	1.90764516037685	<b>SORCS2</b>	1.3804960698029
<b>CYSTM1</b>	1.91058050898735	<b>SP100</b>	1.07221001071691
<b>CACNA2D4</b>	1.91143956525814	<b>SP110</b>	1.57641439793815
<b>STAT2</b>	1.92573170471771	<b>SP140</b>	1.72924660506713
<b>SCG5</b>	1.9258751658069	<b>SPATA25</b>	1.10276592065639
<b>PPP1R15A</b>	1.94145311419807	<b>SPEF2</b>	1.35125129562466
<b>AC009133.12</b>	1.94177952414467	<b>SPINK1</b>	1.47069240522206
<b>RP11-26J3.1</b>	1.94354044642412	<b>SPINT1</b>	1.96686307156698
<b>HIST1H2BD</b>	1.95771504760684	<b>SPP1</b>	1.04473028763843
<b>CXCL11</b>	1.96166196777404	<b>SPRED3</b>	1.02502818781452
<b>SPINT1</b>	1.96686307156698	<b>SPRY4</b>	1.64776938160739
<b>JPH2</b>	1.97988820988371	<b>SQRDL</b>	1.13176697638868
<b>SAA2</b>	1.98072979646251	<b>ST6GALNAC5</b>	1.24577252611381
<b>CYP4V2</b>	1.98086818467713	<b>ST8SIA1</b>	1.32711613686231

<b>KBTBD11</b>	1.98181042331209	<b>STAP2</b>	1.18366035481947
<b>CLEC4E</b>	1.98280466342321	<b>STAT2</b>	1.92573170471771
<b>RP13-143G15.3</b>	1.98342982843429	<b>STAT5A</b>	1.06320227684441
<b>CXCL2</b>	1.98642131276319	<b>STC1</b>	1.26006265605948
<b>SAMD5</b>	1.99193879679346	<b>STC2</b>	1.89092266572632
<b>C1QTNF1</b>	2.00162552822428	<b>STEAP1</b>	1.09400266491591
<b>TM4SF19</b>	2.00194777469434	<b>STEAP2</b>	1.04702342162068
<b>CDKN1C</b>	2.00733959113659	<b>STX11</b>	1.08649537228735
<b>RP11-818F20.5</b>	2.00911044582093	<b>SULF1</b>	1.02171152545647
<b>CFB</b>	2.02112050276618	<b>SWT1</b>	1.056671337122
<b>TNIP3</b>	2.02409186029671	<b>SYNGR3</b>	1.35472690903002
<b>SLCO2B1</b>	2.02853283877144	<b>SYT1</b>	1.05823647068164
<b>ANK2</b>	2.02945019297479	<b>TAB3</b>	1.05558089871772
<b>MEGF6</b>	2.03137622322269	<b>TAP1</b>	1.49041906882535
<b>RP11-459E5.1</b>	2.03299606671504	<b>TAPBPL</b>	1.09106338582248
<b>MCOLN3</b>	2.03474363199805	<b>TAPSAR1</b>	1.48399865969296
<b>AFAP1-AS1</b>	2.03623697713368	<b>TCEAL4</b>	1.30955108950071
<b>IQCD</b>	2.03800781909754	<b>TCN2</b>	1.01709597164029
<b>HIST1H2BK</b>	2.05011989058017	<b>TFAP2E</b>	1.03079232572765
<b>RP11-24F11.2</b>	2.0518488942509	<b>TFEC</b>	1.38326628261376
<b>TPP1</b>	2.06183120831874	<b>THBS3</b>	1.58442738501969
<b>PLXNA2</b>	2.06367725180944	<b>TIMP4</b>	2.07479175314197
<b>RP11-955H22.1</b>	2.06391496904572	<b>TINAGL1</b>	1.20172958275945
<b>RENBP</b>	2.06540921625549	<b>TLR3</b>	1.09234942438504
<b>ACTA2</b>	2.07179490005135	<b>TM4SF19</b>	2.00194777469434
<b>TIMP4</b>	2.07479175314197	<b>TM7SF2</b>	1.13542649404049
<b>GPR124</b>	2.07980220666846	<b>TMC6</b>	1.49331429345862
<b>HSH2D</b>	2.0800627853191	<b>TMCC2</b>	1.25983246671357
<b>ABCA5</b>	2.09312119238122	<b>TMEM139</b>	1.33406296048599
<b>KRT7</b>	2.09480184064817	<b>TMEM140</b>	2.91344300767972
<b>PTX3</b>	2.09562972075183	<b>TMEM159</b>	1.00376743371065
<b>GADD45A</b>	2.1060623013867	<b>TMEM171</b>	1.01647031674484
<b>AC005077.14</b>	2.10641335201401	<b>TMEM173</b>	1.39056287286301
<b>PNMA2</b>	2.10863513524889	<b>TMEM200C</b>	1.42048075866916
<b>GPSM3</b>	2.13681590581323	<b>TMEM229B</b>	1.37893593243201
<b>NOV</b>	2.14301002628458	<b>TMEM242</b>	1.05664984387651
<b>NXPH4</b>	2.14395619808565	<b>TMEM255B</b>	2.52706065614781
<b>SOD2</b>	2.14467315548957	<b>TMEM47</b>	1.182089558302
<b>PAPPA2</b>	2.14690206143246	<b>TMEM52B</b>	1.05030131810337
<b>SMPDL3B</b>	2.15295180409983	<b>TMEM67</b>	1.08140424166677
<b>IL21R</b>	2.15914096683444	<b>TMEM9B-AS1</b>	1.00530599549151
<b>IGDCC4</b>	2.15954155572912	<b>TMIE</b>	1.38030340719988
<b>GOLGA7B</b>	2.16693348278606	<b>TNFAIP3</b>	1.79132255121642
<b>PATL2</b>	2.16937370608213	<b>TNFRSF10D</b>	1.03884173892836
<b>IFI44</b>	2.17439310742694	<b>TNFRSF14</b>	1.61010528800101
<b>SIGLEC15</b>	2.18671494076999	<b>TNFSF13B</b>	2.2828534428292
<b>DHX58</b>	2.18811666945063	<b>TNFSF15</b>	2.34541915947859
<b>IFIT1</b>	2.19005715842666	<b>TNFSF4</b>	1.49332268462765
<b>CLEC2D</b>	2.19914698328534	<b>TNIP3</b>	2.02409186029671
<b>LURAP1L</b>	2.20000574511242	<b>TOB2P1</b>	1.41282214828833

<b>RASGRP3</b>	2.20274016009557	<b>TOM1</b>	1.25833945089763
<b>IL6</b>	2.20355922282853	<b>TP53INP1</b>	1.48539627123512
<b>ADM2</b>	2.20836214039733	<b>TPCN1</b>	1.41159431879647
<b>CHAC1</b>	2.21275014579665	<b>TPP1</b>	2.06183120831874
<b>FUT1</b>	2.23790647319247	<b>TPRG1L</b>	1.05040445171321
<b>IL1RN</b>	2.24225434688014	<b>TRAF3IP2-AS1</b>	1.27931724026763
<b>RASGRF1</b>	2.24581798566592	<b>TRAF5</b>	1.11978203674865
<b>ARHGEF37</b>	2.24683803813284	<b>TRANK1</b>	1.77965561968146
<b>ALOXE3</b>	2.2510718596885	<b>TRAPPC6A</b>	1.3856521585271
<b>CLGN</b>	2.25607815753398	<b>TRIM14</b>	1.53614490899108
<b>ATF3</b>	2.26272877352831	<b>TRIM21</b>	1.03888178831098
<b>KLF4</b>	2.27447287827066	<b>TRIM25</b>	1.28191341981459
<b>TNFSF13B</b>	2.2828534428292	<b>TRIM31</b>	1.00029113348829
<b>SAMD9L</b>	2.30413951897807	<b>TRIM69</b>	1.77283746604906
<b>NTM</b>	2.33116367738562	<b>TRPM4</b>	1.00494052531002
<b>SAA1</b>	2.33379542417038	<b>TSC22D3</b>	1.11682763398538
<b>DDX60</b>	2.33980620670998	<b>TSPAN18</b>	1.61749907384927
<b>TNFSF15</b>	2.34541915947859	<b>TTC25</b>	1.00369536665564
<b>USP18</b>	2.36012064530109	<b>TTLL1</b>	1.00133081079045
<b>DDX58</b>	2.40046281634775	<b>TTLL6</b>	1.37650796170436
<b>RP5-864K19.4</b>	2.40054848064213	<b>TUBA8</b>	1.03611753741012
<b>IL7R</b>	2.40103432295096	<b>TUBE1</b>	1.58865830174128
<b>PLAT</b>	2.41735994643774	<b>TXNIP</b>	1.2137964388319
<b>ISG15</b>	2.42516778610244	<b>TYMP</b>	1.45761489080338
<b>LY96</b>	2.45144527200719	<b>UAP1L1</b>	1.3232697424833
<b>ZFYVE28</b>	2.46013152862205	<b>UBE2L6</b>	2.51635528974611
<b>INHBE</b>	2.46358954973324	<b>UHRF1BP1</b>	1.00158615957817
<b>IFI6</b>	2.46649977441892	<b>ULBP1</b>	2.8572215552699
<b>L1CAM</b>	2.47127429736538	<b>UNC13A</b>	3.08319094270475
<b>IFIT3</b>	2.49956210290129	<b>UNC5B</b>	1.83840606590664
<b>IFIT2</b>	2.50218635662057	<b>UPP1</b>	1.28431907268179
<b>UBE2L6</b>	2.51635528974611	<b>USP18</b>	2.36012064530109
<b>CCRL2</b>	2.51924217086526	<b>USP41</b>	1.10438917949047
<b>TMEM255B</b>	2.52706065614781	<b>VAMP2</b>	1.08139353683743
<b>PLA2G4C</b>	2.52893303060006	<b>VPS13C</b>	1.03757147080206
<b>MORN4</b>	2.53414123870274	<b>VPS8</b>	1.20707336268267
<b>DDIT3</b>	2.54750854436621	<b>VSTM1</b>	1.44456868639835
<b>FLRT1</b>	2.55772265168186	<b>WARS</b>	1.67754582596937
<b>PAX8-AS1</b>	2.62101405878717	<b>WBSCR27</b>	1.42212478619017
<b>OAS2</b>	2.63592736318857	<b>WDR19</b>	1.07998576467981
<b>ALOX5AP</b>	2.64943006754702	<b>WDR31</b>	1.20603688100216
<b>CRYM</b>	2.65381009811518	<b>WDR54</b>	1.11180872643702
<b>GS1-600G8.5</b>	2.67315415478399	<b>WDR63</b>	1.29940466680182
<b>IFIH1</b>	2.68544624119787	<b>WDR78</b>	1.24753180031733
<b>IRF7</b>	2.69612256476552	<b>WHAMMP2</b>	1.0641319767607
<b>LCP1</b>	2.72400955472557	<b>WHAMMP3</b>	1.22768677721009
<b>MX1</b>	2.73787430340931	<b>WLS</b>	1.20215178392488
<b>AC009133.14</b>	2.7487332145349	<b>WNK4</b>	1.67445719358038
<b>IL36B</b>	2.75072916727668	<b>WNT10A</b>	1.46837741825611
<b>NUPR1</b>	2.77134440215687	<b>WNT4</b>	1.19750385242486

<b>HIST1H2AC</b>	2.7931237990367	<b>WNT5A</b>	1.24131931340251
<b>XAF1</b>	2.79837033921671	<b>XAF1</b>	2.79837033921671
<b>N4BP3</b>	2.81546348171798	<b>XDH</b>	1.15521541567978
<b>SLFN5</b>	2.81964476285716	<b>XKR3</b>	1.0601697264976
<b>SLC15A3</b>	2.84566957298538	<b>XPA</b>	1.2761414010949
<b>OAS1</b>	2.84780226573248	<b>YPEL1</b>	1.4022251714447
<b>ULBP1</b>	2.8572215552699	<b>ZC3HAV1</b>	1.02013799587624
<b>C1S</b>	2.88982612493359	<b>ZDHHC1</b>	1.03566175026888
<b>ISG20</b>	2.90485179128354	<b>ZFP3</b>	1.14030168438107
<b>TMEM140</b>	2.91344300767972	<b>ZFP90</b>	1.40756405837094
<b>HLA-F</b>	2.9225493761457	<b>ZFYVE28</b>	2.46013152862205
<b>GBP4</b>	2.92802818751107	<b>ZMAT1</b>	1.06475052192097
<b>IFI44L</b>	3.0722023795419	<b>ZMAT3</b>	1.11555656538784
<b>UNC13A</b>	3.08319094270475	<b>ZMIZ1-AS1</b>	1.27093420171083
<b>ITGB2-AS1</b>	3.20685153729175	<b>ZNF165</b>	1.12280505003137
<b>CMPK2</b>	3.25713634377298	<b>ZNF23</b>	1.35980149212012
<b>ITGB2</b>	3.3055176560441	<b>ZNF396</b>	1.62868843318118
<b>OASL</b>	3.33334928982827	<b>ZNF425</b>	1.17501605851875
<b>FAM83G</b>	3.47461962537718	<b>ZNF506</b>	1.01801939080027
<b>IFI27</b>	3.59131698080898	<b>ZNF600</b>	1.02921659438394
<b>FBXO39</b>	3.73276769695771	<b>ZNF641</b>	1.094903322488
<b>MX2</b>	3.76502873946905	<b>ZNF658</b>	1.02108280836446
<b>GDF15</b>	3.81694975103574	<b>ZNF862</b>	1.01331949087986
<b>CST7</b>	4.23304613697369	<b>ZP3</b>	1.06883096797119

**Table S2**

<b>Down-regulated genes (Fold induction)</b>		<b>Down-regulated genes (Alphabetical order)</b>	
<b>NPM1P21</b>	-1.00034776781239	<b>AACSP1</b>	-1.44392821304499
<b>ALYREF</b>	-1.0016913910083	<b>AC005102.1</b>	-1.4255729181306
<b>ADAMTS15</b>	-1.00248967217592	<b>AC011738.4</b>	-2.97119620134385
<b>PTOV1</b>	-1.00331906524834	<b>AC016831.7</b>	-1.47611593128032
<b>RP1-159M24.1</b>	-1.00466438379097	<b>AC027307.3</b>	-1.14893791148675
<b>DDX39A</b>	-1.00636986784904	<b>AC073043.1</b>	-1.15225359306499
<b>ITGB1BP2</b>	-1.00659079123104	<b>AC132872.1</b>	-1.19879719487318
<b>LINC00460</b>	-1.00773001939084	<b>AC132872.2</b>	-1.10112900347212
<b>TK1</b>	-1.00951917443596	<b>AC139100.2</b>	-1.0130298073715
<b>AC139100.2</b>	-1.0130298073715	<b>ACMSD</b>	-1.72012324223128
<b>ELFN2</b>	-1.01354626965244	<b>ADAMTS15</b>	-1.00248967217592
<b>S100A4</b>	-1.01524119964049	<b>AFAP1L2</b>	-1.8500748418952
<b>NMU</b>	-1.01552115034722	<b>AL590822.2</b>	-1.07305523259548
<b>POLRMTP1</b>	-1.0155566023376	<b>ALDH1A1</b>	-1.19609281056394
<b>TOMM22P5</b>	-1.01881667025639	<b>ALYREF</b>	-1.0016913910083
<b>LNP1</b>	-1.01885750024119	<b>AMACR</b>	-1.04192187997363
<b>TSPAN13</b>	-1.02000208510608	<b>AMBP</b>	-1.12816494730541
<b>PTGIS</b>	-1.02054975089452	<b>AMPD2</b>	-1.47051695545048
<b>GLCCI1</b>	-1.02097546607572	<b>ANO3</b>	-1.60658807160297
<b>INHBB</b>	-1.02482574401324	<b>AP001619.2</b>	-1.05679818026787
<b>MLK4</b>	-1.02498072744792	<b>AREG</b>	-1.75341352872915
<b>RP11-598F7.6</b>	-1.03020323616602	<b>ARID3B</b>	-1.12731688734498
<b>FHOD1</b>	-1.03050474155403	<b>ARL14EPL</b>	-1.4959168171683
<b>TNIK</b>	-1.03144234682188	<b>ARL4C</b>	-1.15865932540485
<b>EFCAB4A</b>	-1.03397025443114	<b>ARTN</b>	-2.44011460422527
<b>FGFR3</b>	-1.0339702817812	<b>ATAD3B</b>	-1.2142550144906
<b>EEF1A2</b>	-1.03400797463928	<b>ATOH8</b>	-1.10145992417349
<b>SLC4A4</b>	-1.03466555785517	<b>ATP6V0A4</b>	-1.31168840926903
<b>RPL13AP2</b>	-1.0354406246823	<b>B3GALT5</b>	-1.10552230200474
<b>VSTM4</b>	-1.0356012355343	<b>B3GNT6</b>	-1.04220083534544
<b>PLK1</b>	-1.03719367590431	<b>B4GALNT4</b>	-1.30377327796634
<b>TINAG</b>	-1.03916946278173	<b>BCAS1</b>	-1.56313789368378
<b>AMACR</b>	-1.04192187997363	<b>BCL3</b>	-1.13837547232805
<b>B3GNT6</b>	-1.04220083534544	<b>BCMO1</b>	-1.28494955754593
<b>CAMKK1</b>	-1.04244395686395	<b>BOP1</b>	-1.14571553490696
<b>PAPOLB</b>	-1.04249364538443	<b>BRINP1</b>	-1.24641992599796
<b>TGFBR3L</b>	-1.04934424660963	<b>BTBD11</b>	-1.3376004554187
<b>RP11-274M17.1</b>	-1.04970618967663	<b>BTBD16</b>	-1.19075763906847
<b>CCDC183-AS1</b>	-1.04974060646083	<b>C11orf86</b>	-2.16765631333035
<b>LONRF2</b>	-1.05239840305134	<b>C22orf34</b>	-1.08311261015964
<b>SFXN2</b>	-1.05268322475616	<b>C6orf99</b>	-1.58110501080006
<b>ORC1</b>	-1.05435686633919	<b>C9orf172</b>	-1.29082958264354
<b>HMGB1P10</b>	-1.05514571494495	<b>C9orf84</b>	-1.26304252456272
<b>AP001619.2</b>	-1.05679818026787	<b>CAMKK1</b>	-1.04244395686395
<b>PC</b>	-1.05688166636476	<b>CCDC183-AS1</b>	-1.04974060646083
<b>ZSCAN5A</b>	-1.05691300549968	<b>CCDC80</b>	-1.60380869069728
<b>CCNF</b>	-1.0569239944412	<b>CCDC85C</b>	-1.26768734533645

CDC20P1	-1.05825403431411	CCNF	-1.0569239944412
YTHDF3-AS1	-1.05850276073542	CD24P4	-1.13989533453748
LINC00261	-1.06077666823658	CDC20	-1.09309567199129
RP11-443B20.1	-1.06120855003023	CDC20P1	-1.05825403431411
PSG9	-1.06165495012427	CDH16	-1.25090066314148
HABP2	-1.06318194888468	CDH6	-2.25887930075111
LCK	-1.06396531832574	CDKN2C	-1.17198084779469
SLC7A8	-1.06463982312694	CENPO	-1.09054716631395
GNG2	-1.0673643588728	CFI	-1.91483635640552
RP11-137N23.1	-1.06793235544417	CGB8	-1.26809997316983
FILIP1L	-1.0696094082738	CHAF1A	-1.11681262883928
DANCR	-1.07003641839868	CHRDL1	-1.08804064987513
HIST1H4E	-1.07126925464808	CLDN2	-2.46015686779495
GABBR2	-1.07223696368691	CNKSR3	-1.36757045600491
AL590822.2	-1.07305523259548	COL14A1	-1.28463639075811
RP11-605F14.2	-1.07448576141189	COL1A1	-1.9987522038809
SHF	-1.07560566921499	CRABP2	-1.56250477769691
LRRN4	-1.07738610789692	CREB3L1	-1.54994366945872
KIAA0101	-1.0773990019961	CRISPLD2	-2.21542814659419
ING5	-1.07813290004396	CSF1R	-2.801471995994
GMNC	-1.07815230699395	CTA-989H11.1	-1.11409413021699
PAGR1	-1.07911881710992	CTD-2501M5.1	-1.38430002512553
LIN7A	-1.07973432636968	CTD-2571E19.3	-1.31502831309287
SNORD3D	-1.08088270884109	CTNNA3	-1.31690459206807
GUCA1C	-1.08121192281657	CYP1B1	-2.09302540179393
SCNN1A	-1.08220588981487	CYP1B1-AS1	-1.26706770558068
MAGED1	-1.08307029591355	CYP3A5	-1.1852535992468
C22orf34	-1.08311261015964	DANCR	-1.07003641839868
NCAPD2P1	-1.08338723501406	DAPK1	-1.36683822610215
RP3-508I15.9	-1.08428200079458	DCDC2	-1.35555207013892
RNA5S13	-1.08571523520136	DCLK2	-1.61578440353788
GPR56	-1.08575612973596	DDX39A	-1.00636986784904
KLHL14	-1.08723284019836	DGCR9	-1.54836723675548
CHRDL1	-1.08804064987513	DHRS9	-1.27506860973544
PCDHB14	-1.08809971484385	DLEU2	-1.21186253808527
SLC3A1	-1.09026061849984	DNAJC22	-1.33149864256197
CENPO	-1.09054716631395	DOT1L	-1.34413082920755
CDC20	-1.09309567199129	DUSP9	-1.45502094451622
FERMT1	-1.09371339896725	E2F2	-1.23457837859122
PDE6G	-1.09386560775949	E2F8	-1.32564983355368
PRICKLE1	-1.09502199255444	EDN2	-1.172471899623
LMCD1	-1.09563531985512	EEF1A2	-1.03400797463928
HNF1B	-1.10052290262036	EFCAB4A	-1.03397025443114
AC132872.2	-1.10112900347212	EFHB	-2.37691713969588
ATOH8	-1.10145992417349	ELFN2	-1.01354626965244
RP11-31F19.1	-1.10321162892024	ELMOD1	-1.25424799795349
RP11-7O14.1	-1.10381569897193	EPHA4	-1.18187875902603
KRT18P34	-1.10493682828698	EREG	-1.27098751331098
B3GALT5	-1.10552230200474	ESPNL	-1.19402890808159
RNA5S12	-1.10738723841976	FAM198B	-1.55886118464898

PDZK1P1	-1.10907689187023	FAM20C	-1.12468003957935
GUCY1B3	-1.11202506841213	FAM83F	-1.15574669394758
SF3A2	-1.11249166458857	FBL	-1.22759962152717
TRPM2	-1.11289635892138	FERMT1	-1.09371339896725
CTA-989H11.1	-1.11409413021699	FGFR3	-1.0339702817812
TCEAL4P1	-1.11545308130767	FGFR4	-1.19460296109695
HAVCR1	-1.11566295788767	FHDC1	-1.42699314021102
CHAF1A	-1.11681262883928	FHOD1	-1.03050474155403
POLA2	-1.11760785768771	FILIP1L	-1.0696094082738
IL11	-1.11877029807184	FLRT3	-1.33575642526597
RP11-304L19.12	-1.11897050731488	FOLR1	-1.30188347910513
KIF18B	-1.12125986795134	FPR1	-2.30267725310949
RCC1	-1.12278151140857	FRMD4B	-1.14701027495608
FAM20C	-1.12468003957935	GABBR2	-1.07223696368691
MYH15	-1.12579586997583	GCNT1	-1.20441092701972
RP11-367J11.2	-1.126846878091	GJA1	-1.52731457549102
ARID3B	-1.12731688734498	GLCCI1	-1.02097546607572
AMBP	-1.12816494730541	GLIS1	-1.46333127930295
TIMM13	-1.13695117203735	GMNC	-1.07815230699395
PLEKHG4	-1.13719000510723	GNB1L	-1.19327741234394
RNA5-8S5	-1.1375196361619	GNG2	-1.0673643588728
BCL3	-1.13837547232805	GNGT2	-1.52500619442473
CD24P4	-1.13989533453748	GPR56	-1.08575612973596
MT-RNR1	-1.14426857488982	GRB7	-1.23275489842691
BOP1	-1.14571553490696	GRIK2	-1.77056576155996
P2RY8	-1.14600626845925	GUCA1C	-1.08121192281657
FRMD4B	-1.14701027495608	GUCY1B3	-1.11202506841213
MAP2K6	-1.14774310490292	HABP2	-1.06318194888468
SRRT	-1.14844526950937	HAS3	-2.19277334796994
AC027307.3	-1.14893791148675	HAVCR1	-1.11566295788767
TERF1P5	-1.1496212669131	HHIPL2	-1.48039234676893
TM4SF18	-1.15019952845623	HIST1H4C	-1.23104304154346
RNA5S17	-1.15046401983124	HIST1H4E	-1.07126925464808
AC073043.1	-1.15225359306499	HMGB1P10	-1.05514571494495
MAZ	-1.15474073423474	HNF1B	-1.10052290262036
FAM83F	-1.15574669394758	HNRNPA1P35	-1.18137333774907
PRICKLE2	-1.15635137005272	ID1	-1.20141586796484
ARL4C	-1.15865932540485	ID3	-1.3682947680917
LDHAP7	-1.16443072543221	IGF2	-6.93227277034572e-05
RP5-1021I20.2	-1.16575328897579	IGFBP1	-1.93071035540087
ZBTB38	-1.1708862408515	IL11	-1.11877029807184
CDKN2C	-1.17198084779469	ING5	-1.07813290004396
EDN2	-1.172471899623	INHBB	-1.02482574401324
SMTN	-1.17835123589267	ITGB1BP2	-1.00659079123104
MYBL2	-1.17877393430523	ITGB6	-1.2010562904375
TAGLN3	-1.18108168287027	KCNJ16	-2.60634685297188
HNRNPA1P35	-1.18137333774907	KCNK2	-1.33180118286155
EPHA4	-1.18187875902603	KIAA0101	-1.0773990019961
RNU12	-1.18232744659465	KIF18B	-1.12125986795134
CYP3A5	-1.1852535992468	KIF20A	-1.36605279520304

THY1	-1.18615102543026	KLHL14	-1.08723284019836
BTBD16	-1.19075763906847	KLHL4	-1.5604785617806
TPI1P3	-1.19304337374647	KM-PA-2	-1.20029455811091
GNB1L	-1.19327741234394	KRT18P34	-1.10493682828698
ESPNL	-1.19402890808159	KRT223P	-1.93725662740657
FGFR4	-1.19460296109695	KRT79	-1.55818348306371
MCM10	-1.19467999848676	LCK	-1.06396531832574
RNA5S10	-1.19477913235222	LDHAP7	-1.16443072543221
ALDH1A1	-1.19609281056394	LIN7A	-1.07973432636968
AC132872.1	-1.19879719487318	LINC00261	-1.06077666823658
RP11-613M10.6	-1.19880622167571	LINC00460	-1.00773001939084
RP11-16P6.1	-1.20002135019882	LINC01119	-1.32115406926481
KM-PA-2	-1.20029455811091	LMCD1	-1.09563531985512
RP11-176D17.3	-1.20058574243034	LMNB1	-1.20777671918231
ITGB6	-1.2010562904375	LNP1	-1.01885750024119
ID1	-1.20141586796484	LONRF2	-1.05239840305134
GCNT1	-1.20441092701972	LPPR5	-1.87380452184517
RRM2	-1.20485938377383	LRRC37A3	-1.26055851587176
LMNB1	-1.20777671918231	LRRN4	-1.07738610789692
DLEU2	-1.21186253808527	MAB21L3	-1.21334835785432
MAB21L3	-1.21334835785432	MAGED1	-1.08307029591355
ATAD3B	-1.2142550144906	MALRD1	-2.14601013234303
THBS1	-1.21620149126351	MAP2K6	-1.14774310490292
RNA5S7	-1.21835463754018	MAZ	-1.15474073423474
RP11-512H23.2	-1.22113294642659	MBL2	-1.63878073605812
FBL	-1.22759962152717	MCM10	-1.19467999848676
RPL24P7	-1.23044374491887	MGAT5B	-1.86328308848568
HIST1H4C	-1.23104304154346	MGC4294	-1.982737711401297
GRB7	-1.23275489842691	MLK4	-1.02498072744792
E2F2	-1.23457837859122	MMP13	-1.82786009497833
MMP7	-1.23560846196046	MMP7	-1.23560846196046
MYH16	-1.24010101594633	MT-RNR1	-1.14426857488982
TNFRSF19	-1.24287697592795	MT-TS2	-1.76562946905004
RRM2P3	-1.24404316865408	MYBL2	-1.17877393430523
BRINP1	-1.24641992599796	MYH13	-2.76580039824046
CDH16	-1.25090066314148	MYH15	-1.12579586997583
ELMOD1	-1.25424799795349	MYH16	-1.24010101594633
VAC14-AS1	-1.2584432220963	NCAPD2P1	-1.08338723501406
LRRC37A3	-1.26055851587176	NCKAP5	-1.31731271948341
C9orf84	-1.26304252456272	NES	-1.29578970766011
CYP1B1-AS1	-1.26706770558068	NMU	-1.01552115034722
CCDC85C	-1.26768734533645	NPM1P21	-1.00034776781239
CGB8	-1.26809997316983	NRP1	-1.62132522479039
EREG	-1.27098751331098	NT5DC2	-1.41103303166988
DHRS9	-1.27506860973544	OLFML2B	-1.84571403592367
RP11-380P13.2	-1.27510571138356	ORC1	-1.05435686633919
RNA5S3	-1.2761451087063	P2RY8	-1.14600626845925
SEMA6B	-1.27843451478866	PAGR1	-1.07911881710992
SLC6A6	-1.28196681262218	PAPOLB	-1.04249364538443
COL14A1	-1.28463639075811	PARD6G	-1.51419145675052



BCMO1	-1.28494955754593	PC	-1.05688166636476
C9orf172	-1.29082958264354	PCDHB14	-1.08809971484385
NES	-1.29578970766011	PCSK5	-1.8203305350071
FOLR1	-1.30188347910513	PDE6G	-1.09386560775949
B4GALNT4	-1.30377327796634	PDGFRB	-1.30622093374164
RNA5S2	-1.30512344153273	PDLIM4	-1.32999898523344
PDGFRB	-1.30622093374164	PDZK1	-1.42612778660205
RYR3	-1.30632019231376	PDZK1P1	-1.10907689187023
ATP6V0A4	-1.31168840926903	PEG10	-2.50673740711732
TERT	-1.31171316659585	PLEKHG4	-1.13719000510723
CTD-2571E19.3	-1.31502831309287	PLEKHG4B	-1.70501760047986
CTNNA3	-1.31690459206807	PLK1	-1.03719367590431
NCKAP5	-1.31731271948341	POLA2	-1.11760785768771
RNU2-59P	-1.31906312047899	POLRMTP1	-1.0155566023376
LINC01119	-1.32115406926481	PPAPDC1A	-1.33992493624214
SYTL3	-1.32116917338955	PRICKLE1	-1.09502199255444
E2F8	-1.32564983355368	PRICKLE2	-1.15635137005272
RNA5S16	-1.32638750986399	PROM2	-1.95927377345176
RNA5S5	-1.3280489338324	PSG9	-1.06165495012427
RNA5S15	-1.3293707905675	PTGER2	-1.8164111685353
PDLIM4	-1.32999898523344	PTGIS	-1.02054975089452
DNAJC22	-1.33149864256197	PTOV1	-1.00331906524834
KCNK2	-1.33180118286155	RASL11A	-2.10997909649245
FLRT3	-1.33575642526597	RCC1	-1.12278151140857
BTBD11	-1.3376004554187	RNA5-8S5	-1.1375196361619
PPAPDC1A	-1.33992493624214	RNA5S1	-1.55044130442097
TNS1	-1.3405310493071	RNA5S10	-1.19477913235222
DOT1L	-1.34413082920755	RNA5S12	-1.10738723841976
RNA5S8	-1.34492316756801	RNA5S13	-1.08571523520136
TENM2	-1.35285962957597	RNA5S14	-1.4047079447295
DCDC2	-1.35555207013892	RNA5S15	-1.3293707905675
RP11-229P13.25	-1.36419323718995	RNA5S16	-1.32638750986399
KIF20A	-1.36605279520304	RNA5S17	-1.15046401983124
DAPK1	-1.36683822610215	RNA5S2	-1.30512344153273
CNKSR3	-1.36757045600491	RNA5S3	-1.2761451087063
ID3	-1.3682947680917	RNA5S4	-1.37131612846922
RNA5S4	-1.37131612846922	RNA5S5	-1.3280489338324
SORBS1	-1.37321711691302	RNA5S6	-1.37930393140998
RNA5S6	-1.37930393140998	RNA5S7	-1.21835463754018
RP11-267A15.1	-1.37971584553606	RNA5S8	-1.34492316756801
SLC26A1	-1.38375683693446	RNU12	-1.18232744659465
CTD-2501M5.1	-1.38430002512553	RNU2-59P	-1.31906312047899
WI2-2998D17.2	-1.38640156179877	RNU4-2	-1.64885288104153
SNORD3B-2	-1.39758810870202	RP11-137N23.1	-1.06793235544417
RNA5S14	-1.4047079447295	RP11-16P6.1	-1.20002135019882
NT5DC2	-1.41103303166988	RP11-176D17.3	-1.20058574243034
AC005102.1	-1.4255729181306	RP11-184M15.1	-1.93790384489909
SLC17A3	-1.42581717416572	RP11-229P13.25	-1.36419323718995
PDZK1	-1.42612778660205	RP11-267A15.1	-1.37971584553606
FHDC1	-1.42699314021102	RP11-274M17.1	-1.04970618967663

SLC2A5	-1.43111448199831	RP11-304L19.12	-1.11897050731488
AACSP1	-1.44392821304499	RP11-309M7.1	-1.45098953063476
RP11-309M7.1	-1.45098953063476	RP11-31F19.1	-1.10321162892024
DUSP9	-1.45502094451622	RP11-367J11.2	-1.126846878091
SLC6A13	-1.45936913108315	RP11-380I10.4	-1.52164424568488
GLIS1	-1.46333127930295	RP11-380P13.2	-1.27510571138356
AMPD2	-1.47051695545048	RP11-424C20.2	-1.64424230345333
AC016831.7	-1.47611593128032	RP11-443B20.1	-1.06120855003023
HHIPL2	-1.48039234676893	RP11-47I22.3	-1.97465380191593
TFCP2L1	-1.4813892895656	RP11-512H23.2	-1.22113294642659
ARL14EPL	-1.4959168171683	RP11-54O7.3	-1.50814495694851
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UPK1B	-1.51156731145869	RP1-159M24.1	-1.00466438379097
PARD6G	-1.51419145675052	RP11-605F14.2	-1.07448576141189
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GNGT2	-1.52500619442473	RP11-649A18.7	-1.73338088334311
GJA1	-1.52731457549102	RP11-7O14.1	-1.10381569897193
UHRF1	-1.5346833302908	RP3-428L16.2	-1.79047426423233
SUSD4	-1.53499401798112	RP3-508I15.9	-1.08428200079458
DGCR9	-1.54836723675548	RP5-1021I20.2	-1.16575328897579
CREB3L1	-1.54994366945872	RPL13AP2	-1.0354406246823
RNA5S1	-1.55044130442097	RPL24P7	-1.23044374491887
KRT79	-1.55818348306371	RRM2	-1.20485938377383
FAM198B	-1.55886118464898	RRM2P3	-1.24404316865408
KLHL4	-1.5604785617806	RYS3	-1.30632019231376
SLC47A2	-1.5619320929113	S100A2	-1.60026417583989
CRABP2	-1.56250477769691	S100A4	-1.01524119964049
BCAS1	-1.56313789368378	S1PR1	-2.02224863962077
C6orf99	-1.58110501080006	SAMD11	-1.85625737638315
S100A2	-1.60026417583989	SCNN1A	-1.08220588981487
SNORA73B	-1.60256397922414	SEMA6A	-1.65316748056694
CCDC80	-1.60380869069728	SEMA6B	-1.27843451478866
ANO3	-1.60658807160297	SEMA6D	-1.80743760602023
SNORD17	-1.6119526422515	SF3A2	-1.11249166458857
DCLK2	-1.61578440353788	SFXN2	-1.05268322475616
NRP1	-1.62132522479039	SGK2	-2.14405906251969
TRPM8	-1.63479861411852	SHF	-1.07560566921499
MBL2	-1.63878073605812	SLC17A3	-1.42581717416572
RP11-424C20.2	-1.64424230345333	SLC26A1	-1.38375683693446
RNU4-2	-1.64885288104153	SLC2A5	-1.43111448199831
SEMA6A	-1.65316748056694	SLC3A1	-1.09026061849984
PLEKHG4B	-1.70501760047986	SLC47A2	-1.5619320929113
ACMSD	-1.72012324223128	SLC4A4	-1.03466555785517
RP11-649A18.7	-1.73338088334311	SLC6A13	-1.45936913108315
AREG	-1.75341352872915	SLC6A6	-1.28196681262218
MT-TS2	-1.76562946905004	SLC7A8	-1.06463982312694
GRIK2	-1.77056576155996	SLN	-2.19250946490367
TNC	-1.77768849696252	SMTN	-1.17835123589267
RP3-428L16.2	-1.79047426423233	SNAI1	-2.45034945218028
SEMA6D	-1.80743760602023	SNORA73B	-1.60256397922414

TRIM9	-1.81502538807319	SNORD17	-1.6119526422515
PTGER2	-1.8164111685353	SNORD3B-2	-1.39758810870202
PCSK5	-1.8203305350071	SNORD3D	-1.08088270884109
MMP13	-1.82786009497833	SOAT2	-2.72390809666256
OLFML2B	-1.84571403592367	SORBS1	-1.37321711691302
AFAP1L2	-1.8500748418952	SRRT	-1.14844526950937
SAMD11	-1.85625737638315	SUSD4	-1.53499401798112
MGAT5B	-1.86328308848568	SYTL3	-1.32116917338955
LPPR5	-1.87380452184517	TAGLN3	-1.18108168287027
CFI	-1.91483635640552	TCEAL4P1	-1.11545308130767
IGFBP1	-1.93071035540087	TENM2	-1.35285962957597
KRT223P	-1.93725662740657	TERF1P5	-1.1496212669131
RP11-184M15.1	-1.93790384489909	TERT	-1.31171316659585
PROM2	-1.95927377345176	TFCP2L1	-1.4813892895656
RP11-47I22.3	-1.97465380191593	TGFBR3L	-1.04934424660963
MGC4294	-1.98273771401297	THBS1	-1.21620149126351
COL1A1	-1.9987522038809	THY1	-1.18615102543026
S1PR1	-2.02224863962077	TIMM13	-1.13695117203735
CYP1B1	-2.09302540179393	TINAG	-1.03916946278173
RASL11A	-2.10997909649245	TK1	-1.00951917443596
SGK2	-2.14405906251969	TM4SF18	-1.15019952845623
MALRD1	-2.14601013234303	TNC	-1.77768849696252
C11orf86	-2.16765631333035	TNFRSF19	-1.24287697592795
SLN	-2.19250946490367	TNIK	-1.03144234682188
HAS3	-2.19277334796994	TNS1	-1.3405310493071
CRISPLD2	-2.21542814659419	TOMM22P5	-1.01881667025639
CDH6	-2.25887930075111	TPI1P3	-1.19304337374647
FPR1	-2.30267725310949	TRIM9	-1.81502538807319
EFHB	-2.37691713969588	TRPM2	-1.11289635892138
ARTN	-2.44011460422527	TRPM8	-1.63479861411852
SNAI1	-2.45034945218028	TSPAN13	-1.02000208510608
CLDN2	-2.46015686779495	UHRF1	-1.5346833302908
PEG10	-2.50673740711732	UPK1B	-1.51156731145869
WNT7B	-2.52839298604989	VAC14-AS1	-1.2584432220963
KCNJ16	-2.60634685297188	VAV3	-3.55007048340834
SOAT2	-2.72390809666256	VSTM4	-1.0356012355343
MYH13	-2.76580039824046	WI2-2998D17.2	-1.38640156179877
ZCCHC5	-2.77910302225097	WNT7B	-2.52839298604989
CSF1R	-2.801471995994	YTHDF3-AS1	-1.05850276073542
AC011738.4	-2.97119620134385	ZBTB38	-1.1708862408515
VAV3	-3.55007048340834	ZCCHC5	-2.77910302225097
ZNF121	-3.89798934961158e-05	ZNF121	-3.89798934961158e-05
IGF2	-6.93227277034572e-05	ZSCAN5A	-1.05691300549968

**Table S3**

Up-regulated genes (Fold induction)		Up-regulated genes (Alphabetical order)	
<b>AC068039.4</b>	0.990130894335957	<b>A4GALT</b>	1.12091485973195
<b>CGRRF1</b>	0.990725222670276	<b>ABAT</b>	1.12331851604991
<b>ARHGAP6</b>	0.991015185177854	<b>ABCA3</b>	1.73185940174763
<b>AP006621.6</b>	0.991488033398191	<b>ABCA5</b>	1.96239422075551
<b>TIMM10B</b>	0.991520672653167	<b>ABCB6</b>	1.46414686970342
<b>PCDHA2</b>	0.991702742630403	<b>ABCB7</b>	1.59664970627131
<b>FZD4</b>	0.992541152465031	<b>ABCC10</b>	1.42919178539858
<b>PKN1</b>	0.993010824336748	<b>ABCD4</b>	1.39126627841835
<b>CYB5D2</b>	0.99306575557406	<b>ABHD4</b>	1.8652460593227
<b>CEBPB</b>	0.993091549799146	<b>ABHD8</b>	1.13578415936718
<b>BIRC3</b>	0.993351937068212	<b>ABI3</b>	2.69001160482816
<b>OGDH</b>	0.993567864449068	<b>ABTB2</b>	1.70976089641443
<b>RP11-255J3.2</b>	0.994017441690391	<b>AC002480.3</b>	2.05989215159104
<b>RP11-492E3.2</b>	0.994134210265492	<b>AC002480.4</b>	2.60361288154492
<b>PTGS2</b>	0.994174265543472	<b>AC005307.3</b>	1.22085774431116
<b>UBXN1</b>	0.994443958293373	<b>AC005540.3</b>	1.55021850643895
<b>MFHAS1</b>	0.994580487691405	<b>AC006262.5</b>	3.98691914997494
<b>KIAA0196</b>	0.995184672418208	<b>AC006262.6</b>	3.67471254615386
<b>RPS4XP7</b>	0.996179546200338	<b>AC006273.5</b>	2.22511349284178
<b>MAPK11</b>	0.99640789466539	<b>AC007879.2</b>	1.14492016597892
<b>KIAA1109</b>	0.996714366329443	<b>AC007879.5</b>	1.10486008530786
<b>RTN3P1</b>	0.997925674731477	<b>AC009133.14</b>	1.43699082074698
<b>AC068580.5</b>	0.998836508048737	<b>AC009404.2</b>	1.02233680449586
<b>FCAMR</b>	0.999310236002415	<b>AC016710.1</b>	1.29102622782135
<b>DPAGT1</b>	0.999402420786639	<b>AC025171.1</b>	1.0335930921991
<b>HOXD-AS2</b>	0.999513220049369	<b>AC025335.1</b>	1.45782321634315
<b>RP11-357C3.3</b>	0.999806141424853	<b>AC034220.3</b>	1.11835083978661
<b>HIST1H2AC</b>	1.00082438613179	<b>AC068039.4</b>	0.990130894335957
<b>LYRM9</b>	1.00084404839316	<b>AC068580.5</b>	0.998836508048737
<b>OXA1L</b>	1.00183510917754	<b>AC074389.9</b>	1.8666952747684
<b>CLU</b>	1.00212487278372	<b>AC079776.2</b>	2.67250010787592
<b>RP11-423O2.5</b>	1.00303766038204	<b>AC093391.2</b>	1.63199090900551
<b>C2orf27A</b>	1.00312130561246	<b>AC093818.1</b>	1.3943697990253
<b>GET4</b>	1.00321545055609	<b>AC104024.1</b>	1.6415076834482
<b>CCNG2</b>	1.00335037127441	<b>AC104135.4</b>	1.32064434994029
<b>RP11-299H21.1</b>	1.0036064651181	<b>AC104841.2</b>	1.57577986188534
<b>TRIB2</b>	1.003974333023	<b>AC124789.1</b>	3.55651999693537
<b>HPS1</b>	1.00427921988012	<b>AC147651.4</b>	1.68248557631401
<b>STOML1</b>	1.00496316504475	<b>ACAD8</b>	1.1663939773044
<b>CD22</b>	1.00581395719154	<b>ACBD4</b>	1.64639909522101
<b>CXCL3</b>	1.00676567238053	<b>ACCS</b>	1.47674448973995
<b>SLC22A5</b>	1.00700924086602	<b>ACO1</b>	1.18734884056052
<b>HIBADH</b>	1.0071407724492	<b>ACOT1</b>	1.78577840223098
<b>BHMT2</b>	1.00816413594669	<b>ACOT2</b>	1.75064413354616
<b>LRRC49</b>	1.00826931195078	<b>ACP2</b>	1.88024693114517
<b>PSMF1</b>	1.00855235020335	<b>ACP5</b>	4.10206791905833

<b>C6orf1</b>	1.00863367438618	<b>ACPL2</b>	1.37622426057807
<b>GRK5</b>	1.00979772920134	<b>ACRC</b>	2.1252638424283
<b>RP11-188P20.3</b>	1.0100020543043	<b>ACSS1</b>	3.78262538710588
<b>RP11-288G3.4</b>	1.01017926991769	<b>ACSS3</b>	3.84813195083771
<b>RNPEPL1</b>	1.01056686559473	<b>ADAM23</b>	2.27523687064012
<b>STK10</b>	1.0106010656504	<b>ADAM28</b>	5.62887323139791
<b>SHISA4</b>	1.01134561594778	<b>ADAMTS10</b>	2.73988653564351
<b>NRCAM</b>	1.0121643933512	<b>ADAMTS14</b>	1.80306972948627
<b>EIF4E3</b>	1.01316772605653	<b>ADAMTS15</b>	1.04037840921938
<b>ZNF18</b>	1.01336370221298	<b>ADAMTS2</b>	1.36085169972882
<b>WDR25</b>	1.01392564649699	<b>ADAMTS5</b>	1.33907974364199
<b>SUGCT</b>	1.01393138086949	<b>ADAMTS9</b>	1.44083375741505
<b>RHPN1</b>	1.01419529339112	<b>ADAMTSL4</b>	1.18809003975347
<b>ZCCHC3</b>	1.01449386058585	<b>ADH5P2</b>	1.0922097897706
<b>GYPC</b>	1.01449737479209	<b>ADM</b>	1.17173808708385
<b>RP11-166D19.1</b>	1.01521202585118	<b>ADM2</b>	1.28196929155068
<b>RN7SL1</b>	1.01594310751923	<b>ADORA2B</b>	1.77860100254826
<b>BEST1</b>	1.0162663443704	<b>ADRB2</b>	2.64495715198614
<b>S100A2</b>	1.01629209463473	<b>ADRBK2</b>	4.90188590009152
<b>IFIT3</b>	1.01650717095328	<b>AFAP1</b>	2.04818432813132
<b>CTD-2008L17.1</b>	1.01665094323445	<b>AFAP1L1</b>	2.51598974293074
<b>DLGAP1-AS2</b>	1.01724676237367	<b>AGA</b>	2.29878691918164
<b>DCTD</b>	1.01779925359464	<b>AGAP2</b>	2.27755566957888
<b>DOCK6</b>	1.01805370030376	<b>AGMAT</b>	1.49557382402213
<b>TEP1</b>	1.01872411648767	<b>AGT</b>	1.5817654669485
<b>MT-TD</b>	1.01910138842137	<b>AHNAK2</b>	2.24996697500168
<b>FADD</b>	1.01917006001726	<b>AICDA</b>	1.07687855587584
<b>USP28</b>	1.01931899991677	<b>AIFM3</b>	2.16822739803142
<b>DHRS4L2</b>	1.01967005925405	<b>AJAP1</b>	5.33316695028154
<b>MEGF6</b>	1.02049640920367	<b>AJUBA</b>	1.165943648744
<b>PDE6D</b>	1.0206667886051	<b>AKR1C4</b>	1.05879908389015
<b>EPOR</b>	1.02099188413185	<b>AKR1C7P</b>	1.992461933275
<b>GNL1</b>	1.02196277054008	<b>AL109763.2</b>	3.59268910755931
<b>GABARAP</b>	1.02200056030618	<b>AL589743.1</b>	2.21538118202951
<b>ZNF133</b>	1.0220273827466	<b>AL591704.5</b>	1.24596014215731
<b>AC009404.2</b>	1.02233680449586	<b>AL592284.1</b>	1.75221617369367
<b>RP11-121M22.1</b>	1.02275562246653	<b>AL603965.1</b>	1.05227006657579
<b>CPA6</b>	1.02337937258363	<b>ALDH16A1</b>	1.03895904810927
<b>LAMTOR1</b>	1.02358974862123	<b>ALDH1A3</b>	1.7835827088523
<b>RTBDN</b>	1.02360786924872	<b>ALDH1L2</b>	3.62408755726248
<b>UNC5A</b>	1.02415315246796	<b>ALDH5A1</b>	1.19152648508081
<b>IL18</b>	1.02448736946302	<b>ALDH9A1</b>	1.098473469965
<b>AP001631.10</b>	1.02508834807381	<b>ALOX5</b>	2.77760594399539
<b>XPA</b>	1.0256412104174	<b>ALOX5AP</b>	3.91891911048729
<b>FGGY</b>	1.02681339093865	<b>ALS2CL</b>	2.24271054469512
<b>TBCEL</b>	1.02800835174646	<b>AMDHD1</b>	1.85626240734354
<b>FAM177A1</b>	1.02882675062303	<b>AMPD3</b>	1.77644523285947
<b>FAAH</b>	1.02913162209198	<b>ANGPTL4</b>	2.01626235782978
<b>FAM172A</b>	1.02973634491702	<b>ANK2</b>	2.11978065334844
<b>ATG14</b>	1.02993325663428	<b>ANKDD1A</b>	1.05785986829509

<b>RP11-50E11.3</b>	1.03038294572385	<b>ANKHD1-EIF4EBP3</b>	1.06109312792811
<b>ZMYM3</b>	1.03038784316281	<b>ANKRD10</b>	1.04909057900997
<b>OLA1P1</b>	1.03045326511416	<b>ANKRD18B</b>	1.48188140903195
<b>ASS1P5</b>	1.03151108336462	<b>ANKRD2</b>	3.92785449790637
<b>VIPAS39</b>	1.03154640978448	<b>ANKRD6</b>	3.2620401177896
<b>SDR39U1</b>	1.03238559668852	<b>ANO10</b>	1.39852253575165
<b>CRYBA2</b>	1.03278960726149	<b>ANO7</b>	1.03792930837401
<b>KCNQ3</b>	1.0328404086797	<b>ANO9</b>	1.52660929885383
<b>SHH</b>	1.0329762780939	<b>ANTXR1</b>	2.66418989095581
<b>RRAS2</b>	1.03331155406917	<b>AP000525.9</b>	2.56360080011318
<b>DDX60L</b>	1.0334888175332	<b>AP000654.4</b>	8.66976129755603e-05
<b>SERGEF</b>	1.03354693160817	<b>AP001007.1</b>	1.7383816320332
<b>AC025171.1</b>	1.0335930921991	<b>AP001063.1</b>	1.04326225185612
<b>POLR2G</b>	1.03393994787472	<b>AP001258.4</b>	1.7160929548541
<b>ZNF763</b>	1.03438462994763	<b>AP001631.10</b>	1.02508834807381
<b>MX2</b>	1.03473982962779	<b>AP006621.6</b>	0.991488033398191
<b>RHEBL1</b>	1.0348527114952	<b>AP1G2</b>	1.68888422772586
<b>LYPD6</b>	1.03648465344363	<b>AP5Z1</b>	1.05769613906456
<b>CTD-2033A16.2</b>	1.03703826053686	<b>APBA1</b>	2.72920849768198
<b>IFITM10</b>	1.03742617644467	<b>APBB1</b>	2.39906815507191
<b>PGPEP1</b>	1.03746346636922	<b>APBB2</b>	1.03931454239038
<b>TOM1</b>	1.03746539256035	<b>APC2</b>	1.36253414891304
<b>PLEK2</b>	1.03751503620761	<b>APLN</b>	1.86210234286435
<b>ANO7</b>	1.03792930837401	<b>APOOL</b>	1.19652585820873
<b>BCL9L</b>	1.03800416792665	<b>ARAP1</b>	1.67197810898764
<b>YAP1</b>	1.03891667504642	<b>ARHGAP1</b>	1.09558173414303
<b>ALDH16A1</b>	1.03895904810927	<b>ARHGAP10</b>	1.04037378290203
<b>APBB2</b>	1.03931454239038	<b>ARHGAP23</b>	2.33487947694496
<b>RP3-368A4.6</b>	1.03939165183252	<b>ARHGAP23P1</b>	1.48444484471689
<b>SDCBPP3</b>	1.0401834634849	<b>ARHGAP39</b>	1.12154660109735
<b>ARHGAP10</b>	1.04037378290203	<b>ARHGAP40</b>	1.12323193928602
<b>ADAMTS15</b>	1.04037840921938	<b>ARHGAP6</b>	0.991015185177854
<b>FRMD6</b>	1.04078656011547	<b>ARHGEF12</b>	1.13801240195568
<b>IFI27L2</b>	1.04104845485741	<b>ARHGEF2</b>	1.10256014212364
<b>LAPTM4B</b>	1.04137177394385	<b>ARHGEF25</b>	1.13573086051319
<b>GJC1</b>	1.04184089368862	<b>ARHGEF28</b>	1.23615689528381
<b>DPF1</b>	1.04199817039871	<b>ARHGEF37</b>	1.21634615289071
<b>AP001063.1</b>	1.04326225185612	<b>ARHGEF40</b>	1.23285491620017
<b>TGFBR3</b>	1.04334522653142	<b>ARL10</b>	5.20582857556194
<b>ST5</b>	1.04390638420169	<b>ARL2</b>	1.31071429207487
<b>RP11-366H4.1</b>	1.04470976168802	<b>ARMC4</b>	2.64692255520974
<b>CLIC6</b>	1.04470976168802	<b>ARRB1</b>	1.68421281506028
<b>LBH</b>	1.04474666377091	<b>ARRB2</b>	1.79731392801028
<b>PAX9</b>	1.04482284224084	<b>ARSB</b>	1.25427738312158
<b>TTC39B</b>	1.0449319526285	<b>ARSD</b>	1.13048634057361
<b>DLGAP1-AS1</b>	1.04530064797114	<b>ARVCF</b>	1.33394244729207
<b>RP11-693J15.3</b>	1.04557256467139	<b>ASB2</b>	1.72999468667424
<b>LAMP5</b>	1.04591577681666	<b>ASPHD2</b>	1.43847781743992
<b>MEGF8</b>	1.0461321663802	<b>ASRGL1</b>	1.09297762122659
<b>SLC41A2</b>	1.04671311634716	<b>ASS1</b>	4.01205114240482

<b>FAM166B</b>	1.04681635071348	<b>ASS1P1</b>	3.18369880751136
<b>MT-TC</b>	1.04769531267963	<b>ASS1P10</b>	1.62934338545092
<b>ANKRD10</b>	1.04909057900997	<b>ASS1P11</b>	3.62129462229199
<b>PTGER2</b>	1.04927630110315	<b>ASS1P12</b>	1.32914587224379
<b>PSORS1C2</b>	1.05034522439339	<b>ASS1P5</b>	1.03151108336462
<b>PARD6B</b>	1.05063033606508	<b>ASS1P7</b>	2.30793983057575
<b>MSC</b>	1.05070609063284	<b>ASS1P9</b>	3.79834382322607
<b>LINC00528</b>	1.05206167250247	<b>ATG14</b>	1.02993325663428
<b>INHBA</b>	1.0522626402097	<b>ATG16L2</b>	1.75027773741319
<b>AL603965.1</b>	1.05227006657579	<b>ATP2A1</b>	1.21120972529826
<b>SFRP4</b>	1.0523094168912	<b>ATP6V0A1</b>	1.28582851322307
<b>SPIRE1</b>	1.05232264247794	<b>ATP8B1</b>	1.95575020408667
<b>BRMS1L</b>	1.05268228759472	<b>ATP8B2</b>	2.82786163782445
<b>SH3PXD2A</b>	1.05271898573303	<b>ATPAF2</b>	1.22846443540479
<b>RBM43</b>	1.05280169272185	<b>ATRN</b>	1.13979078492185
<b>ZNF48</b>	1.05292342723564	<b>ATRX</b>	1.8367347441327
<b>HEXB</b>	1.05353495975843	<b>ATXN3</b>	1.5336848075794
<b>GRIN2A</b>	1.05419582740788	<b>AUTS2</b>	5.4617882514394
<b>NAP1L5</b>	1.05436584824228	<b>B3GALT4</b>	1.24531591516503
<b>NUDT14</b>	1.05452290848491	<b>B3GNT1</b>	1.23345687899137
<b>PKD1L1</b>	1.05487588824332	<b>B3GNT7</b>	3.25848156770761
<b>RAB11FIP4</b>	1.05487588824332	<b>B4GALNT2</b>	2.88916260698976
<b>SBF2</b>	1.05522203006584	<b>BAI2</b>	2.34637788038899
<b>SIRPAP1</b>	1.05546846493371	<b>BATF2</b>	1.4641857488537
<b>TMEM42</b>	1.05559351784	<b>BATF3</b>	1.34821571308526
<b>TMEM38A</b>	1.05570927931502	<b>BBS5</b>	1.69986590415856
<b>FKBPL</b>	1.0568725334701	<b>BCAM</b>	1.81713964306765
<b>AP5Z1</b>	1.05769613906456	<b>BCAS3</b>	1.37839997225575
<b>ANKDD1A</b>	1.05785986829509	<b>BCL11B</b>	1.66151233030719
<b>AKR1C4</b>	1.05879908389015	<b>BCL9L</b>	1.03800416792665
<b>KCNK15</b>	1.05889065331215	<b>BEST1</b>	1.0162663443704
<b>TAF10</b>	1.05993566801714	<b>BEST3</b>	1.26249722100657
<b>ANKHD1-EIF4EBP3</b>	1.06109312792811	<b>BHMT2</b>	1.00816413594669
<b>DRP2</b>	1.06330243414861	<b>BIK</b>	1.71225119083119
<b>NONO</b>	1.06342438974512	<b>BIRC3</b>	0.993351937068212
<b>FARP1</b>	1.0645163420725	<b>BIRC7</b>	1.18453670681597
<b>PAPPA2</b>	1.06457925430632	<b>BLVRB</b>	1.38771327544355
<b>HCFC1R1</b>	1.06459183646712	<b>BMF</b>	1.44909299389208
<b>INTS1</b>	1.06509812358215	<b>BMP6</b>	1.18408663254636
<b>ZNF747</b>	1.06546634107651	<b>BMPER</b>	1.18259129345513
<b>HS6ST2</b>	1.06551606973248	<b>BMPR2</b>	1.06615365337696
<b>RP11-25K19.1</b>	1.06589494929454	<b>BNIP3L</b>	1.36315752912891
<b>BMPR2</b>	1.06615365337696	<b>BOK</b>	1.37165272549557
<b>TRIM69</b>	1.06638476966666	<b>BPHL</b>	1.50878948596745
<b>PTPRA</b>	1.06763453601803	<b>BRMS1L</b>	1.05268228759472
<b>TLR1</b>	1.06766559959825	<b>BSN</b>	1.39042571197022
<b>IL21R</b>	1.06771640724288	<b>BTBD6</b>	1.44954011934288
<b>RNF187</b>	1.06782837182807	<b>C10orf11</b>	2.48477066342239
<b>LINC00869</b>	1.06840516773759	<b>C10orf12</b>	1.0938994979983
<b>CCR10</b>	1.06864009059637	<b>C10orf54</b>	3.67720923192899

<b>LINC00087</b>	1.06925124468467	<b>C11orf1</b>	1.36360960949403
<b>SLC17A5</b>	1.0697130566622	<b>C11orf45</b>	2.97273320186442
<b>OPTN</b>	1.0707396988148	<b>C11orf54</b>	1.10520394814694
<b>DTD1</b>	1.07081677714053	<b>C12orf39</b>	1.58550175843709
<b>UVRAG</b>	1.0716858164718	<b>C14orf132</b>	2.1873580423177
<b>RP13-977J11.5</b>	1.07176807257001	<b>C14orf182</b>	1.09090574593507
<b>GTF2H1</b>	1.07202634485301	<b>C15orf38</b>	1.72961244143019
<b>RP11-356J5.12</b>	1.07292017209738	<b>C15orf39</b>	1.40056558793042
<b>RP11-347C12.3</b>	1.07345300558532	<b>C15orf48</b>	1.16609538474789
<b>RIOK3</b>	1.07386665446371	<b>C15orf62</b>	4.09760930392519
<b>CTD-3232M19.2</b>	1.0744797986352	<b>C16orf74</b>	1.09350859934267
<b>CTSH</b>	1.07468296750175	<b>C17orf103</b>	1.61703186929973
<b>PARVA</b>	1.07488331528922	<b>C17orf96</b>	1.84577134214693
<b>ZNF408</b>	1.07494676905128	<b>C19orf33</b>	1.75560123138208
<b>PITPNC1</b>	1.07497683150148	<b>C19orf68</b>	1.16810515244617
<b>LINC00346</b>	1.0750612655126	<b>C1orf115</b>	1.54533769810632
<b>TOB2P1</b>	1.07592914367244	<b>C1orf145</b>	1.43789362200779
<b>AICDA</b>	1.07687855587584	<b>C1orf186</b>	1.57608598156209
<b>OSTM1</b>	1.0773302517803	<b>C1orf226</b>	2.06540858137967
<b>PACSIN3</b>	1.07779717811414	<b>C1orf56</b>	1.82135548977507
<b>FAXC</b>	1.07810645256245	<b>C1QTNF1</b>	1.70148069092426
<b>RP11-334A14.2</b>	1.07810943603518	<b>C1QTNF2</b>	1.32695903604285
<b>DDR1</b>	1.07878385625463	<b>C20orf194</b>	1.0969494274234
<b>ERMARD</b>	1.07910016299479	<b>C20orf96</b>	2.19058724882305
<b>STX8</b>	1.08034155256268	<b>C21orf67</b>	1.18855143279244
<b>TDRKH</b>	1.08149503910284	<b>C22orf46</b>	1.1928995802663
<b>STS</b>	1.08249122014162	<b>C2orf27A</b>	1.00312130561246
<b>RAPGEFL1</b>	1.08286026683829	<b>C3</b>	2.4494934233583
<b>TINF2</b>	1.0841248521181	<b>C3orf55</b>	2.55846294426997
<b>GOLGA8R</b>	1.08486722929457	<b>C4BPB</b>	2.91900512391784
<b>PARD3B</b>	1.08503514303357	<b>C4orf19</b>	4.01145778076618
<b>RPS4XP11</b>	1.08555890315133	<b>C6orf1</b>	1.00863367438618
<b>CCRN4L</b>	1.0856201700821	<b>C6orf132</b>	4.33404217320583
<b>XKR6</b>	1.08607154700227	<b>C6orf203</b>	1.08751509646642
<b>MPI</b>	1.08621548683958	<b>C6orf223</b>	2.65781961776061
<b>PBXIP1</b>	1.08645973131724	<b>C6orf58</b>	1.88719341581867
<b>C6orf203</b>	1.08751509646642	<b>C8orf46</b>	1.16848763628572
<b>SDCBP</b>	1.08794690628614	<b>C8orf47</b>	3.84631571186332
<b>PTPN21</b>	1.08820995847084	<b>C9orf72</b>	1.11448916681846
<b>TSPYL2</b>	1.08842760007413	<b>C9orf91</b>	1.47316755230086
<b>WBP1L</b>	1.08856569900375	<b>CA8</b>	1.49357169369048
<b>FBXO44</b>	1.08920377715886	<b>CADM4</b>	1.30130060992609
<b>RP11-589P10.5</b>	1.08931590070873	<b>CALCOCO1</b>	1.28276903352203
<b>JPX</b>	1.08935212308501	<b>CAMK2D</b>	1.46276647302491
<b>PP13439</b>	1.08998599290713	<b>CAPN5</b>	2.04093501687579
<b>STX3</b>	1.09042983290725	<b>CARS</b>	1.23027373678343
<b>RMND5B</b>	1.09070695382947	<b>CASP1</b>	1.39942633577528
<b>C14orf182</b>	1.09090574593507	<b>CASP4</b>	2.09888854876317
<b>ENDOD1</b>	1.09101649572355	<b>CATSPER2P1</b>	1.24987007780781
<b>RP11-563J2.2</b>	1.09137718080299	<b>CBS</b>	1.73851494837861



<b>KPNA5</b>	1.09144513646176	<b>CC2D2A</b>	2.07515685522653
<b>FAM155A</b>	1.09148071358666	<b>CCAT1</b>	2.45777489217651
<b>TIGD3</b>	1.09193143292776	<b>CCDC120</b>	1.84771362412085
<b>ADH5P2</b>	1.0922097897706	<b>CCDC122</b>	1.53743410449167
<b>SPIRE2</b>	1.09267044867018	<b>CCDC62</b>	1.93143491280157
<b>ASRGL1</b>	1.09297762122659	<b>CCDC69</b>	3.0400371826091
<b>CCDC88C</b>	1.09334173141718	<b>CCDC84</b>	1.20416355327823
<b>C16orf74</b>	1.09350859934267	<b>CCDC85B</b>	1.15696268546146
<b>FADS1</b>	1.09351309886814	<b>CCDC88C</b>	1.09334173141718
<b>C10orf12</b>	1.0938994979983	<b>CCL2</b>	1.68414470983322
<b>PKN3</b>	1.09455486190536	<b>CCL20</b>	2.10533914477054
<b>TBXA2R</b>	1.09530495318826	<b>CCL28</b>	1.47720156371958
<b>GLCE</b>	1.09556652426719	<b>CCNG2</b>	1.00335037127441
<b>ARHGAP1</b>	1.09558173414303	<b>CCR10</b>	1.06864009059637
<b>HYLS1</b>	1.09594721572062	<b>CCRL2</b>	1.88626319084685
<b>FAM169A</b>	1.09641501184897	<b>CCRN4L</b>	1.0856201700821
<b>SWAP70</b>	1.09676608167187	<b>CCS</b>	1.15113649518822
<b>C20orf194</b>	1.0969494274234	<b>CCSER2</b>	1.27788816621613
<b>ROBO1</b>	1.09715828417265	<b>CD177</b>	2.27173773134395
<b>DFNB31</b>	1.09746209093657	<b>CD22</b>	1.00581395719154
<b>RP11-589N15.2</b>	1.09791176179845	<b>CD40</b>	1.42570280877298
<b>SSC5D</b>	1.09816105676452	<b>CD59</b>	1.29481865742611
<b>ALDH9A1</b>	1.098473469965	<b>CD69</b>	2.16406462737125
<b>ENTPD5</b>	1.09930208814035	<b>CDA</b>	2.03387876666925
<b>SCDP1</b>	1.10074467238361	<b>CDC42EP2</b>	2.0919868270803
<b>TECTA</b>	1.10138121501123	<b>CDH4</b>	9.25015550931889
<b>ARHGEF2</b>	1.10256014212364	<b>CDHR1</b>	3.85068826088668
<b>SOBP</b>	1.1027741916231	<b>CDKN1C</b>	3.49114499986083
<b>ILK</b>	1.10288004323501	<b>CDS2</b>	1.47366389593524
<b>PLEKHM1</b>	1.10291192526264	<b>CEBPB</b>	0.993091549799146
<b>CTD-2591A6.2</b>	1.10302094536194	<b>CEBPD</b>	2.16523506393367
<b>SULT2B1</b>	1.10302094536194	<b>CELF2</b>	5.10818297413556
<b>THAP8</b>	1.10313899633272	<b>CENPB</b>	1.22227776381576
<b>RNF141</b>	1.10409760148353	<b>CERCAM</b>	1.75910030274344
<b>PADI3</b>	1.10411521393177	<b>CFB</b>	3.33441924898787
<b>SUMF1</b>	1.10445315433143	<b>CFL1P3</b>	1.12095153814191
<b>AC007879.5</b>	1.10486008530786	<b>CGRRF1</b>	0.990725222670276
<b>C11orf54</b>	1.10520394814694	<b>CHAC1</b>	2.47756011027816
<b>MAFF</b>	1.105840066705	<b>CHKA</b>	2.43533838046105
<b>RNF214</b>	1.10599634984048	<b>CHN1</b>	2.87150745397445
<b>CTC-241F20.4</b>	1.10639395274203	<b>CHRD1</b>	3.12477836743783
<b>RRAGC</b>	1.10690271894057	<b>CHRM3</b>	1.19742900006486
<b>RP11-353N4.4</b>	1.10706694700621	<b>CHRM4</b>	2.09481850988088
<b>ICOSLG</b>	1.10719550979667	<b>CILP2</b>	1.6045787607896
<b>SEC31B</b>	1.10821764257083	<b>CLCN5</b>	1.62705971689315
<b>ERCC6L</b>	1.10963029252277	<b>CLDN16</b>	7.69734616069071
<b>FOXN3</b>	1.11023685132933	<b>CLEC4E</b>	2.47022125919594
<b>SARS</b>	1.11075055596246	<b>CLGN</b>	3.2973614295544
<b>FTX</b>	1.11128858356516	<b>CLIC6</b>	1.04470976168802
<b>PRR5L</b>	1.11133895587062	<b>CLIP2</b>	1.21539538188988

<b>EFTUD1P1</b>	1.11245214992159	<b>CLIP3</b>	1.19953195688961
<b>TFAP2A-AS1</b>	1.11251442015211	<b>CLU</b>	1.00212487278372
<b>ZFAND4</b>	1.11299063413705	<b>CLUHP3</b>	2.13546036549683
<b>HPS5</b>	1.11325969623493	<b>CMTM3</b>	1.26631137950578
<b>SNX25P1</b>	1.11344075356025	<b>CNGB1</b>	1.27655372955381
<b>GRB10</b>	1.11394909553501	<b>CNNM2</b>	1.53894423910363
<b>C9orf72</b>	1.11448916681846	<b>CNPY3</b>	1.19047316718354
<b>SLC46A3</b>	1.11466438727504	<b>CNRIP1</b>	1.38755739064449
<b>SPNS3</b>	1.11579741269817	<b>CNTNAP1</b>	1.94922042942879
<b>LINC00431</b>	1.11645259805416	<b>COL12A1</b>	3.76999867535316
<b>NCALD</b>	1.11673958902506	<b>COL15A1</b>	1.86146414291567
<b>RP3-426I6.2</b>	1.11676932548913	<b>COL4A4</b>	4.55855852036949
<b>SUPT3H</b>	1.11691440810251	<b>COL6A2</b>	1.18830923400567
<b>GPM6A</b>	1.11703393232675	<b>COL9A2</b>	3.78110288527727
<b>VPS13C</b>	1.11719319483459	<b>COLEC10</b>	6.1912133493769
<b>SAT2</b>	1.1174750934087	<b>COLQ</b>	1.89626076839127
<b>MCF2L2</b>	1.11757587758996	<b>COMMD9</b>	1.2253384033152
<b>AC034220.3</b>	1.11835083978661	<b>COQ6</b>	1.12470625116995
<b>PCDHGA11</b>	1.11866811626073	<b>CORO1B</b>	1.41407086848305
<b>FAM120C</b>	1.11888073581699	<b>CORO2A</b>	2.37926251043559
<b>MPC1</b>	1.11905238573652	<b>CPA6</b>	1.02337937258363
<b>RP4-555D20.4</b>	1.11952568221419	<b>CPM</b>	1.70951464606046
<b>A4GALT</b>	1.12091485973195	<b>CPNE7</b>	2.92535316257024
<b>CFL1P3</b>	1.12095153814191	<b>CPQ</b>	1.51055448825936
<b>EXTL3</b>	1.12128583315514	<b>CREBRF</b>	1.53484883345233
<b>ISCA2</b>	1.12132013162284	<b>CRIP3</b>	1.44430336002991
<b>ARHGAP39</b>	1.12154660109735	<b>CRISPLD1</b>	4.99753175258899
<b>PLD2</b>	1.12180596972128	<b>CRYAA</b>	1.15762765206829
<b>SH3GLB2</b>	1.12210067639868	<b>CRYAB</b>	2.98435311947201
<b>TCP11L1</b>	1.12263452260471	<b>CRYBA2</b>	1.03278960726149
<b>EDN1</b>	1.12279314101652	<b>CSF2</b>	1.40937786739318
<b>LARP6</b>	1.1229247012135	<b>CSF2RA</b>	2.01403851693208
<b>ARHGAP40</b>	1.12323193928602	<b>CSGALNACT1</b>	1.6809752045277
<b>ABAT</b>	1.12331851604991	<b>CSPG4P11</b>	2.02442789819758
<b>EXOC6</b>	1.12428236267122	<b>CST6</b>	4.07228854802934
<b>N4BP2L1</b>	1.1244702490131	<b>CTA-941F9.9</b>	1.88586221984526
<b>COQ6</b>	1.12470625116995	<b>CTB-147C13.1</b>	1.54939105597297
<b>STEAP1B</b>	1.12546056762322	<b>CTC1</b>	1.63005313259368
<b>PPP1R21</b>	1.1256007514214	<b>CTC-241F20.4</b>	1.10639395274203
<b>PLEKHA4</b>	1.12567800222602	<b>CTC-436P18.3</b>	1.15736171029328
<b>THTPA</b>	1.12608625900463	<b>CTD-2008L17.1</b>	1.01665094323445
<b>LGI2</b>	1.12633501487852	<b>CTD-2014B16.2</b>	1.65311036351156
<b>RP11-264B17.3</b>	1.12781628594758	<b>CTD-2015H6.3</b>	1.79974787494056
<b>TNFSF13</b>	1.12854404562146	<b>CTD-2033A16.2</b>	1.03703826053686
<b>DOCK10</b>	1.1288762134651	<b>CTD-2081K17.2</b>	2.82670326191147
<b>RP11-137H2.6</b>	1.12930387766796	<b>CTD-2207P18.2</b>	2.10515210690988
<b>ZNF285</b>	1.129950067004	<b>CTD-2227C6.3</b>	1.74298116684776
<b>RP11-10C24.1</b>	1.13007109069459	<b>CTD-2267D19.3</b>	1.4649834409922
<b>CYP2R1</b>	1.13011801599117	<b>CTD-2291D10.4</b>	2.79848441034443
<b>WDR45</b>	1.1302776365611	<b>CTD-2314B22.3</b>	3.48796046017116

<b>ARSD</b>	1.13048634057361	<b>CTD-2319I12.1</b>	6.14249677759424
<b>HSBP1L1</b>	1.13098694450683	<b>CTD-2354A18.1</b>	1.97297793394872
<b>TRIM45</b>	1.13135731885679	<b>CTD-2357A8.3</b>	1.5861293181346
<b>IDH1-AS1</b>	1.13149775889453	<b>CTD-2591A6.2</b>	1.10302094536194
<b>CYP2J2</b>	1.13170110934386	<b>CTD-2600O9.1</b>	2.41299939900851
<b>NCR3LG1</b>	1.13186211983535	<b>CTD-3131K8.2</b>	1.72130581481531
<b>RP6-206I17.1</b>	1.13193779927169	<b>CTD-3232M19.2</b>	1.0744797986352
<b>FAM21FP</b>	1.13254268432048	<b>CTGF</b>	1.95622571631007
<b>TRAF6</b>	1.13434846535764	<b>CTH</b>	1.72102076505117
<b>KIAA1731</b>	1.13441237628597	<b>CTHRC1</b>	2.84984772704275
<b>MEIS3P2</b>	1.1346833403446	<b>CTIF</b>	2.20297431370023
<b>LRRC28</b>	1.13485093373135	<b>CTNS</b>	2.02004452949866
<b>PVRL2</b>	1.13486859944409	<b>CTR9</b>	1.22166439286141
<b>MARCO</b>	1.13519403833831	<b>CTSB</b>	1.58457010728961
<b>IL17RD</b>	1.13553577541334	<b>CTSD</b>	1.75174878905936
<b>RP11-728B21.3</b>	1.1356406369115	<b>CTSH</b>	1.07468296750175
<b>SCARNA9</b>	1.13567128669693	<b>CTSO</b>	1.26577774815494
<b>ARHGEF25</b>	1.13573086051319	<b>CTTN</b>	1.3867028480353
<b>PLCD3</b>	1.13575855291167	<b>CXADR</b>	5.67246847491765
<b>ABHD8</b>	1.13578415936718	<b>CXCL1</b>	1.48349763047199
<b>SLCO3A1</b>	1.13608209512504	<b>CXCL12</b>	6.42542060450465
<b>ISG20</b>	1.13700380097105	<b>CXCL16</b>	4.46918767544405
<b>VPS26B</b>	1.1375757619909	<b>CXCL2</b>	2.42735482615941
<b>ARHGEF12</b>	1.13801240195568	<b>CXCL3</b>	1.00676567238053
<b>RP11-332H14.1</b>	1.13830967146134	<b>CXCL5</b>	2.67962104053309
<b>PDP1</b>	1.13851780990456	<b>CYB5D2</b>	0.99306575557406
<b>ZBTB42</b>	1.13947638467751	<b>CYBRD1</b>	1.44031170761954
<b>ATRN</b>	1.13979078492185	<b>CYCSP6</b>	1.23244331521378
<b>SPNS1</b>	1.14031959783557	<b>CYGB</b>	3.70891814627149
<b>VPS41</b>	1.14096116689098	<b>CYP24A1</b>	4.84899137030484
<b>PPP1R3B</b>	1.14183384257236	<b>CYP27A1</b>	1.92304519067577
<b>PELP1</b>	1.14215893323602	<b>CYP2J2</b>	1.13170110934386
<b>TECPR2</b>	1.14252908607729	<b>CYP2R1</b>	1.13011801599117
<b>ITPK1</b>	1.14442053068474	<b>CYP2U1</b>	2.29716082997016
<b>AC007879.2</b>	1.14492016597892	<b>CYP4F26P</b>	1.79015701154555
<b>IKBKE</b>	1.14522866514366	<b>CYP4V2</b>	2.01488586108798
<b>PSAT1</b>	1.1460041079159	<b>CYS1</b>	1.42880018885854
<b>PYGO1</b>	1.14641968779158	<b>CYSTM1</b>	1.20902334087547
<b>MAP3K8</b>	1.14726843692973	<b>CYTH3</b>	1.29847041300136
<b>OLFML2A</b>	1.15009559026849	<b>D2HGDH</b>	2.0963438797301
<b>HDDC3</b>	1.1510724771717	<b>DAB2IP</b>	2.79976004775897
<b>RP11-47I22.3</b>	1.15108037511341	<b>DACH1</b>	3.02833858114756
<b>CCS</b>	1.15113649518822	<b>DACT1</b>	1.17155453075337
<b>GVINP1</b>	1.15253801281678	<b>DAG1</b>	1.25839853566818
<b>ZNF385B</b>	1.15419725276554	<b>DAGLB</b>	1.69224499651387
<b>SEMA6B</b>	1.15510833453903	<b>DAPP1</b>	1.81488201269457
<b>CCDC85B</b>	1.15696268546146	<b>DBH-AS1</b>	5.79718264462241
<b>CTC-436P18.3</b>	1.15736171029328	<b>DBNDD1</b>	2.65656650593843
<b>CRYAA</b>	1.15762765206829	<b>DBNDD2</b>	1.8950210797722
<b>GNPTG</b>	1.15812983531577	<b>DCHS2</b>	1.8366964413802

<b>TMEM256</b>	1.1586040830523	<b>DCTD</b>	1.01779925359464
<b>SYNJ2BP</b>	1.16052382185627	<b>DDAH2</b>	1.38543611417227
<b>RP4-800G7.2</b>	1.16063370528358	<b>DDC</b>	1.63727457743602
<b>RNF135</b>	1.16089054400324	<b>DDC8</b>	1.26765686774199
<b>NPPA-AS1</b>	1.16105086629796	<b>DDIT3</b>	1.65745202286534
<b>RP11-347H15.2</b>	1.16105772794322	<b>DDR1</b>	1.07878385625463
<b>DERL2</b>	1.16168181812479	<b>DDX58</b>	1.44723823873216
<b>HKDC1</b>	1.16175839113818	<b>DDX60L</b>	1.0334888175332
<b>RP11-125B21.2</b>	1.16243301990035	<b>DEFB1</b>	2.03689893058552
<b>DVL2</b>	1.16414020373438	<b>DERL2</b>	1.16168181812479
<b>LIMD1</b>	1.16436074392581	<b>DFNA5</b>	1.51448541698961
<b>AJUBA</b>	1.165943648744	<b>DFNB31</b>	1.09746209093657
<b>C15orf48</b>	1.16609538474789	<b>DGKA</b>	1.83923673018478
<b>ACAD8</b>	1.1663939773044	<b>DHRS12</b>	1.26386038821146
<b>C19orf68</b>	1.16810515244617	<b>DHRS4-AS1</b>	1.3019545229567
<b>C8orf46</b>	1.16848763628572	<b>DHRS4L2</b>	1.01967005925405
<b>RAB15</b>	1.16884572487364	<b>DISC1</b>	2.70294393834434
<b>GGACT</b>	1.1692895900752	<b>DISP2</b>	2.16935614388071
<b>SAV1</b>	1.16938536157095	<b>DKK3</b>	1.17336669296002
<b>MGAT4A</b>	1.16951419990859	<b>DLG1-AS1</b>	1.19385509418976
<b>HDAC5</b>	1.16952111547967	<b>DLG3</b>	1.75907054206184
<b>MAD1L1</b>	1.16981498376571	<b>DLGAP1-AS1</b>	1.04530064797114
<b>IFIT2</b>	1.17104043599535	<b>DLGAP1-AS2</b>	1.01724676237367
<b>DACT1</b>	1.17155453075337	<b>DLK2</b>	3.46961489619172
<b>ADM</b>	1.17173808708385	<b>DMD</b>	1.25275414471765
<b>RAB39B</b>	1.17238661211344	<b>DNASE2</b>	1.93194684456084
<b>KIAA0391</b>	1.17253692170926	<b>DND1P1</b>	1.21071762650584
<b>SH3D19</b>	1.17327600282437	<b>DNER</b>	1.9518992944105
<b>DKK3</b>	1.17336669296002	<b>DNHD1</b>	1.40149138017502
<b>RP1-239B22.5</b>	1.17370299920282	<b>DNM1P47</b>	3.06379518772483
<b>RAB30</b>	1.17383474077361	<b>DNMT3B</b>	1.82295374901676
<b>RP11-697N18.3</b>	1.17414156859954	<b>DOC2A</b>	3.01166249038641
<b>PAQR5</b>	1.17449988357209	<b>DOCK10</b>	1.1288762134651
<b>GK</b>	1.17458896771861	<b>DOCK11</b>	2.34761305201497
<b>NRXN3</b>	1.17467381350552	<b>DOCK6</b>	1.01805370030376
<b>PDZD2</b>	1.17489997260192	<b>DOK6</b>	2.16837660932042
<b>RPL29P19</b>	1.17526431213849	<b>DPAGT1</b>	0.999402420786639
<b>POF1B</b>	1.17603795534528	<b>DPF1</b>	1.04199817039871
<b>RAPSN</b>	1.17648260825366	<b>DPYSL2</b>	2.26516299671301
<b>SLC22A18</b>	1.17663306835604	<b>DRP2</b>	1.06330243414861
<b>RP11-561C5.4</b>	1.17668364130681	<b>DTD1</b>	1.07081677714053
<b>MED11</b>	1.17749667315799	<b>DTX2</b>	1.29853369581948
<b>SVILP1</b>	1.17809743428585	<b>DTX4</b>	2.56040748776873
<b>YIPF6</b>	1.18016531945292	<b>DUSP3</b>	1.43932943243433
<b>XDH</b>	1.18223789281369	<b>DUSP4</b>	1.96085136670351
<b>GBAS</b>	1.18250008534777	<b>DVL2</b>	1.16414020373438
<b>BMPER</b>	1.18259129345513	<b>DYSF</b>	2.37556845598745
<b>PEAR1</b>	1.18279386686971	<b>DZIP1</b>	1.24207813261271
<b>SYNE2</b>	1.18321176534638	<b>EBF4</b>	1.62156217423208
<b>RP11-641A6.9</b>	1.18338707098913	<b>EBI3</b>	3.60138014169525

<b>SUMF2</b>	1.18347977508018	<b>EDN1</b>	1.12279314101652
<b>BMP6</b>	1.18408663254636	<b>EFEMP2</b>	1.85741191466432
<b>BIRC7</b>	1.18453670681597	<b>EFHD1</b>	5.2443992014501
<b>EIF4EBP1</b>	1.18526471141396	<b>EFNA1</b>	3.13356954453691
<b>LPAR2</b>	1.18530318040598	<b>EFNB1</b>	2.00699305736566
<b>RP11-173M11.2</b>	1.18553596377542	<b>EFTUD1</b>	1.53532821238795
<b>THBS3</b>	1.18728497171184	<b>EFTUD1P1</b>	1.11245214992159
<b>ACO1</b>	1.18734884056052	<b>EGOT</b>	1.92234495929272
<b>XXYLT1</b>	1.18738899752381	<b>EHD1</b>	1.51254183720625
<b>IFT46</b>	1.18762673530662	<b>EIF4E3</b>	1.01316772605653
<b>ADAMTSL4</b>	1.18809003975347	<b>EIF4EBP1</b>	1.18526471141396
<b>COL6A2</b>	1.18830923400567	<b>ELF3</b>	1.2167609127831
<b>PLXND1</b>	1.18835201127045	<b>ELFN1</b>	2.43067551306806
<b>C21orf67</b>	1.18855143279244	<b>ELOVL4</b>	2.2168655834753
<b>P2RX7</b>	1.18953780124521	<b>EMILIN2</b>	1.31543088649878
<b>PPP1R15A</b>	1.18998610239564	<b>ENDOD1</b>	1.09101649572355
<b>CNPY3</b>	1.19047316718354	<b>ENG</b>	6.68359111464656
<b>ALDH5A1</b>	1.19152648508081	<b>ENO3</b>	2.21989785293906
<b>SLCO4C1</b>	1.19210246345635	<b>ENTPD5</b>	1.09930208814035
<b>PIWIL4</b>	1.1922991329723	<b>EPB41L1</b>	1.79332591954488
<b>C22orf46</b>	1.1928995802663	<b>EPB41L4A</b>	1.99256633037288
<b>TUBE1</b>	1.19321941840839	<b>EPG5</b>	1.57147748784887
<b>DLG1-AS1</b>	1.19385509418976	<b>EPHB1</b>	3.7427207749738
<b>FMN2</b>	1.19401976794838	<b>EPHX4</b>	1.29464533234961
<b>SMPDL3B</b>	1.19413525269151	<b>EPN2</b>	5.08433419009775
<b>PKD1L2</b>	1.19473057573586	<b>EPOR</b>	1.02099188413185
<b>GDPD1</b>	1.19537549967335	<b>ERCC2</b>	1.47729894422484
<b>KCNJ5</b>	1.19604085957985	<b>ERCC6L</b>	1.10963029252277
<b>RAB7L1</b>	1.19622999666521	<b>ERMARD</b>	1.07910016299479
<b>TMEM170B</b>	1.19633056677554	<b>ERVMER34-1</b>	6.14038411232516
<b>SDC2</b>	1.1963859602076	<b>ESYT3</b>	1.28050766275408
<b>APOOL</b>	1.19652585820873	<b>ETHE1</b>	2.6636822433563
<b>CHRM3</b>	1.19742900006486	<b>ETNK2</b>	3.98599035719181
<b>RPS4X</b>	1.19759954083378	<b>EVI5L</b>	1.40474480402246
<b>CLIP3</b>	1.19953195688961	<b>EXOC6</b>	1.12428236267122
<b>TAX1BP3</b>	1.19967047739433	<b>EXT2</b>	1.23766988929705
<b>TAF1</b>	1.20036305759223	<b>EXTL3</b>	1.12128583315514
<b>FRMPD3</b>	1.20047065741489	<b>F2RL1</b>	2.09718417710827
<b>SCRN1</b>	1.20059682732534	<b>F2RL3</b>	1.58507205833436
<b>PTCH1</b>	1.20063056535257	<b>FAAH</b>	1.02913162209198
<b>NEK11</b>	1.20289287307037	<b>FADD</b>	1.01917006001726
<b>SMCR8</b>	1.20348944988667	<b>FADS1</b>	1.09351309886814
<b>CCDC84</b>	1.20416355327823	<b>FADS3</b>	2.14028535581916
<b>MACROD1</b>	1.20567599819408	<b>FAIM3</b>	2.91679913066206
<b>SYTL2</b>	1.20594014907728	<b>FAM110B</b>	1.92785277382743
<b>NKX6-1</b>	1.20721685475967	<b>FAM118B</b>	1.25845428139704
<b>LL22NC03-N14H11</b>	1.20822500528933	<b>FAM120C</b>	1.11888073581699
<b>TMEM179B</b>	1.2090171023869	<b>FAM129A</b>	1.31849098720544
<b>CYSTM1</b>	1.20902334087547	<b>FAM134B</b>	1.70552006916723
<b>DND1P1</b>	1.21071762650584	<b>FAM155A</b>	1.09148071358666

<b>ATP2A1</b>	1.21120972529826	<b>FAM166B</b>	1.04681635071348
<b>TBC1D2B</b>	1.213606014898	<b>FAM169A</b>	1.09641501184897
<b>HCG16</b>	1.21403029373744	<b>FAM171B</b>	1.58269627293176
<b>SIPA1</b>	1.21407923020374	<b>FAM172A</b>	1.02973634491702
<b>CLIP2</b>	1.21539538188988	<b>FAM177A1</b>	1.02882675062303
<b>ARHGEF37</b>	1.21634615289071	<b>FAM177B</b>	2.24762858003471
<b>ELF3</b>	1.2167609127831	<b>FAM179B</b>	1.34124032043654
<b>SLFN12</b>	1.21684062553622	<b>FAM189A1</b>	5.88988075045464
<b>FAM78A</b>	1.2171285803011	<b>FAM189A2</b>	4.43067576407977
<b>SPRY1</b>	1.21763784574354	<b>FAM19A2</b>	4.31118980247868
<b>FERMT1</b>	1.21817595040286	<b>FAM20C</b>	1.98350404467315
<b>RPS4XP2</b>	1.21841230912689	<b>FAM211A</b>	2.4291179432792
<b>ZNF543</b>	1.22012947644843	<b>FAM213A</b>	2.94074431042862
<b>AC005307.3</b>	1.22085774431116	<b>FAM21A</b>	1.40682768263048
<b>TMEM256-PLSCR3</b>	1.22145616762958	<b>FAM21B</b>	1.49454457904732
<b>PPM1N</b>	1.22162766839294	<b>FAM21C</b>	1.62612496506801
<b>CTR9</b>	1.22166439286141	<b>FAM21D</b>	1.70919571489985
<b>UBTD2</b>	1.2217384810082	<b>FAM21FP</b>	1.13254268432048
<b>SPOCK2</b>	1.22192596696066	<b>FAM26E</b>	1.59942179955277
<b>GUCY1A2</b>	1.22199926352657	<b>FAM26F</b>	1.5700590973537
<b>CENPB</b>	1.22227776381576	<b>FAM43A</b>	3.98644568391338
<b>GPC5</b>	1.22263819311243	<b>FAM46C</b>	1.38036419799557
<b>RP3-449M8.6</b>	1.22287290719192	<b>FAM65C</b>	1.81229309611153
<b>RP11-420A23.1</b>	1.22313339606913	<b>FAM78A</b>	1.2171285803011
<b>SOCS2-AS1</b>	1.22375215617649	<b>FAM83A</b>	2.29182436749804
<b>COMMD9</b>	1.2253384033152	<b>FAM83G</b>	4.03365591218685
<b>UHRF1BP1</b>	1.22545985717406	<b>FAM84B</b>	1.64765471007392
<b>RP5-874C20.3</b>	1.22558606994692	<b>FAM89A</b>	1.83356016425237
<b>YWHAEP7</b>	1.22716408482369	<b>FARP1</b>	1.0645163420725
<b>STX7</b>	1.22747123086643	<b>FAT1</b>	1.36449019554618
<b>FERMT3</b>	1.22776381283215	<b>FAXC</b>	1.07810645256245
<b>TSNARE1</b>	1.22838727683773	<b>FBLIM1</b>	2.65197940806171
<b>ATPAF2</b>	1.22846443540479	<b>FBLN1</b>	5.16245962212002
<b>SLC22A15</b>	1.22881260827698	<b>FBLN7</b>	2.73481517284799
<b>PATL2</b>	1.22943664868457	<b>FBN1</b>	4.1152566702651
<b>NEGR1</b>	1.23022517287026	<b>FBXL18</b>	1.49042260078503
<b>CARS</b>	1.23027373678343	<b>FBXO25</b>	1.43704576028057
<b>WWC1</b>	1.230521954454	<b>FBXO44</b>	1.08920377715886
<b>PPP1R14C</b>	1.23232248243738	<b>FBXO6</b>	2.01287144023972
<b>CYCSP6</b>	1.23244331521378	<b>FCAMR</b>	0.999310236002415
<b>SLC36A1</b>	1.23271042482359	<b>FCGRT</b>	5.22356771872667
<b>ARHGEF40</b>	1.23285491620017	<b>FERMT1</b>	1.21817595040286
<b>UBXN2B</b>	1.23297345142604	<b>FERMT3</b>	1.22776381283215
<b>LOXL3</b>	1.23301968739475	<b>FEZ1</b>	4.34232137358706
<b>B3GNT1</b>	1.23345687899137	<b>FGF18</b>	3.54588216304479
<b>SP9</b>	1.23362359211507	<b>FGGY</b>	1.02681339093865
<b>PCDHB11</b>	1.23420517838087	<b>FIGNL1</b>	1.67779161124245
<b>GOLGA6L5P</b>	1.2348278959039	<b>FJX1</b>	1.46995814455511
<b>LONRF1</b>	1.23521428585639	<b>FKBP9</b>	1.53231162955141
<b>PPA2</b>	1.23547066915034	<b>FKBP9L</b>	1.42561751014684

<b>ARHGEF28</b>	1.23615689528381	<b>FKBPL</b>	1.0568725334701
<b>RCOR2</b>	1.23691924317877	<b>FLCN</b>	1.47617620201588
<b>PXDNL</b>	1.23715650037396	<b>FLRT1</b>	1.37094501734132
<b>EXT2</b>	1.23766988929705	<b>FLT1</b>	5.64609095726749
<b>PRDX5</b>	1.23784465085038	<b>FMN2</b>	1.19401976794838
<b>NMNAT2</b>	1.23810156246725	<b>FMNL2</b>	1.42173548619902
<b>IGF2-AS</b>	1.23841791272051	<b>FN3K</b>	1.6554248133918
<b>IRAK1BP1</b>	1.23867067097457	<b>FOXN3</b>	1.11023685132933
<b>RP1-261D10.1</b>	1.23963416536258	<b>FOXN3-AS1</b>	2.00754326435062
<b>GOLGA8N</b>	1.2405381057425	<b>FOXO4</b>	1.59504636623802
<b>PTGS1</b>	1.2409523788399	<b>FOXRED2</b>	1.99655675490463
<b>HDAC9</b>	1.24181170131908	<b>FRAS1</b>	5.0725161955531
<b>DZIP1</b>	1.24207813261271	<b>FRAT1</b>	1.76848117047598
<b>PADI1</b>	1.24289276802058	<b>FREM2</b>	1.54773570879649
<b>RPAIN</b>	1.24475768336247	<b>FRMD4A</b>	2.48919962149521
<b>RP1-178F10.3</b>	1.24477190761443	<b>FRMD6</b>	1.04078656011547
<b>B3GALT4</b>	1.24531591516503	<b>FRMPD3</b>	1.20047065741489
<b>THOC6</b>	1.24574889080332	<b>FRY</b>	1.90022375957416
<b>AL591704.5</b>	1.24596014215731	<b>FSD1</b>	1.34848804059853
<b>KLHL30</b>	1.24672241959147	<b>FTCDNL1</b>	1.49645915525173
<b>KCNN3</b>	1.24805265221564	<b>FTH1</b>	3.23924433843859
<b>YPEL2</b>	1.24888683522722	<b>FTH1P1</b>	2.84544409607425
<b>KIAA1107</b>	1.24958778837477	<b>FTH1P10</b>	3.20523293537001
<b>CATSPER2P1</b>	1.24987007780781	<b>FTH1P11</b>	3.36927009668747
<b>GPNMB</b>	1.25086753786427	<b>FTH1P12</b>	2.8146922724261
<b>MARCH9</b>	1.25091567763043	<b>FTH1P15</b>	2.15579057656082
<b>PDZD4</b>	1.25130958737737	<b>FTH1P16</b>	3.18863397309095
<b>NEURL2</b>	1.25162457062742	<b>FTH1P2</b>	3.34198370242175
<b>SLC7A11</b>	1.25189574105625	<b>FTH1P20</b>	3.03271781422315
<b>SLC50A1</b>	1.2522148448642	<b>FTH1P21</b>	2.04989565588389
<b>RASGRP1</b>	1.25260697021242	<b>FTH1P23</b>	3.00156053900226
<b>DMD</b>	1.25275414471765	<b>FTH1P3</b>	1.95218943182489
<b>SDCBPP2</b>	1.25426655231412	<b>FTH1P4</b>	1.99265436540226
<b>ARSB</b>	1.25427738312158	<b>FTH1P5</b>	3.26468741312218
<b>GPR137B</b>	1.25515488244744	<b>FTH1P7</b>	3.28995152966446
<b>DAG1</b>	1.25839853566818	<b>FTH1P8</b>	3.29665770206668
<b>FAM118B</b>	1.25845428139704	<b>FTL</b>	1.50062913764053
<b>RP11-351I24.1</b>	1.25944497591917	<b>FTLP2</b>	1.41308703565647
<b>VEGFB</b>	1.26046569589504	<b>FTLP3</b>	1.50147555718233
<b>MAP4K5</b>	1.2620713185816	<b>FTX</b>	1.11128858356516
<b>BEST3</b>	1.26249722100657	<b>FUT1</b>	3.31191775960812
<b>DHRS12</b>	1.26386038821146	<b>FYN</b>	2.92048367211362
<b>SP140</b>	1.2648057500078	<b>FZD4</b>	0.992541152465031
<b>LINC00862</b>	1.26523953364041	<b>G6PD</b>	1.44617745116432
<b>CTSO</b>	1.26577774815494	<b>GAB2</b>	1.36189234192124
<b>RP11-806O11.1</b>	1.26592417928975	<b>GAB3</b>	2.51727094356457
<b>CMTM3</b>	1.26631137950578	<b>GABARAP</b>	1.02200056030618
<b>RP11-521B24.3</b>	1.26668871831256	<b>GABRB3</b>	1.72341470300476
<b>DDC8</b>	1.26765686774199	<b>GAD1</b>	2.21228962369987
<b>SOS2</b>	1.26838417758949	<b>GALNT12</b>	3.43512851551324

<b>SNPH</b>	1.26879918207503	<b>GALNT18</b>	2.20290308843114
<b>TOX</b>	1.26950178987726	<b>GALNT6</b>	1.31815834731475
<b>OSBP2</b>	1.27094071900977	<b>GALT</b>	1.42511191083374
<b>ZNF620</b>	1.27407244362753	<b>GAREML</b>	1.62827559922759
<b>PTPLA</b>	1.27411757188971	<b>GATA3</b>	1.72515622637264
<b>SEL1L3</b>	1.27423164502459	<b>GBA</b>	1.75315764186039
<b>CNGB1</b>	1.27655372955381	<b>GBAS</b>	1.18250008534777
<b>ZNF396</b>	1.2767135645391	<b>GBX2</b>	1.93231528105871
<b>CCSER2</b>	1.27788816621613	<b>GCH1</b>	1.28382152933127
<b>TNFAIP2</b>	1.27804547094351	<b>GCHFR</b>	1.77901213617917
<b>HID1</b>	1.27833225983253	<b>GCNT2</b>	1.33338756348168
<b>PCNXL4</b>	1.27925578072427	<b>GCNT3</b>	1.83226921594257
<b>TMEM159</b>	1.27959495182912	<b>GCNT4</b>	1.31886886015748
<b>TSPAN2</b>	1.28021595937249	<b>GDA</b>	2.35677749057453
<b>ESYT3</b>	1.28050766275408	<b>GDAP1</b>	3.04666964555228
<b>ADM2</b>	1.28196929155068	<b>GDF15</b>	2.78555767527966
<b>CALCOCO1</b>	1.28276903352203	<b>GDPD1</b>	1.19537549967335
<b>NEAT1</b>	1.28323437697863	<b>GDPD5</b>	1.35064435806384
<b>GCH1</b>	1.28382152933127	<b>GET4</b>	1.00321545055609
<b>RP11-38408.1</b>	1.28405591883907	<b>GGACT</b>	1.1692895900752
<b>WWC2-AS2</b>	1.28422734283665	<b>GID4</b>	1.51397040957845
<b>LINC00944</b>	1.28433922530597	<b>GJC1</b>	1.04184089368862
<b>RPS4XP3</b>	1.28520888725532	<b>GK</b>	1.17458896771861
<b>ATP6V0A1</b>	1.28582851322307	<b>GLCE</b>	1.09556652426719
<b>KCP</b>	1.28614794696865	<b>GLI1</b>	1.57686734957524
<b>PABPC4L</b>	1.28675734414849	<b>GLI3</b>	1.70533548330186
<b>UCA1</b>	1.2878191023775	<b>GNG4</b>	4.68992306057533
<b>TMEM194B</b>	1.28804139580535	<b>GNGT2</b>	3.21094439725131
<b>MDGA2</b>	1.28973717551904	<b>GNL1</b>	1.02196277054008
<b>LINC00623</b>	1.29078337642397	<b>GNPDA1</b>	1.60426731707917
<b>RNF152</b>	1.29102622782135	<b>GNPTG</b>	1.15812983531577
<b>AC016710.1</b>	1.29102622782135	<b>GOLGA2P7</b>	1.31751125273346
<b>SQRDL</b>	1.29122923751408	<b>GOLGA6L5P</b>	1.2348278959039
<b>LURAP1L</b>	1.29252722347623	<b>GOLGA7B</b>	1.65516288079918
<b>EPHX4</b>	1.29464533234961	<b>GOLGA8N</b>	1.2405381057425
<b>CD59</b>	1.29481865742611	<b>GOLGA8O</b>	1.31263780481465
<b>NFKBIA</b>	1.29513344196897	<b>GOLGA8R</b>	1.08486722929457
<b>PHACTR2</b>	1.29652966576159	<b>GPC5</b>	1.22263819311243
<b>ZBED3</b>	1.29736807444459	<b>GPER1</b>	3.34384329726789
<b>CYTH3</b>	1.29847041300136	<b>GPM6A</b>	1.11703393232675
<b>DTX2</b>	1.29853369581948	<b>GPNMB</b>	1.25086753786427
<b>IGBP1P1</b>	1.2986073639467	<b>GPR124</b>	2.25543788471701
<b>HS1BP3</b>	1.30006694534947	<b>GPR137B</b>	1.25515488244744
<b>IFNGR1</b>	1.30122778758899	<b>GPR146</b>	1.82572254024042
<b>SNX8</b>	1.30123281377534	<b>GPR176</b>	1.43638325737806
<b>CADM4</b>	1.30130060992609	<b>GPR37L1</b>	1.94712086816508
<b>SAMD4A</b>	1.30137093797177	<b>GPRC5C</b>	3.26937536624383
<b>DHRS4-AS1</b>	1.3019545229567	<b>GPSM3</b>	1.80960746759824
<b>RP13-580F15.2</b>	1.30367775793447	<b>GRB10</b>	1.11394909553501
<b>SERTAD4-AS1</b>	1.30479595294085	<b>GRIN2A</b>	1.05419582740788



<b>SNX24</b>	1.30545566673341	<b>GRIP1</b>	2.0720487759149
<b>PIK3CD</b>	1.30663066977376	<b>GRK5</b>	1.00979772920134
<b>MX1</b>	1.3076356782471	<b>GRN</b>	2.3196032472888
<b>RP11-69G7.1</b>	1.30778791112602	<b>GSTA4</b>	2.1288309102894
<b>PDE2A</b>	1.30847216039168	<b>GSTM3</b>	1.51464514834433
<b>ARL2</b>	1.31071429207487	<b>GSTO2</b>	3.60526869374795
<b>STAT1</b>	1.31097591589536	<b>GSTT2</b>	1.5860151455157
<b>LINC00908</b>	1.31140308397364	<b>GTDC1</b>	1.74400738441228
<b>RP11-191L9.4</b>	1.31178189124957	<b>GTF2H1</b>	1.07202634485301
<b>HTATIP2</b>	1.31226602148315	<b>GUCY1A2</b>	1.22199926352657
<b>GOLGA80</b>	1.31263780481465	<b>GVINP1</b>	1.15253801281678
<b>RP11-362F19.1</b>	1.31298494670367	<b>GYPC</b>	1.01449737479209
<b>PSEN1</b>	1.31530185413638	<b>H1FO</b>	5.41271713675675
<b>EMILIN2</b>	1.31543088649878	<b>H2BFXP</b>	8.66976129755603e-05
<b>NIN</b>	1.31679249047383	<b>H6PD</b>	1.5065420716439
<b>GOLGA2P7</b>	1.31751125273346	<b>HCFC1R1</b>	1.06459183646712
<b>PANX1</b>	1.31774262994596	<b>HCG16</b>	1.21403029373744
<b>PCDHB13</b>	1.31777645674446	<b>HCN4</b>	5.01937175787624
<b>TP53</b>	1.31812543730719	<b>HDAC5</b>	1.16952111547967
<b>GALNT6</b>	1.31815834731475	<b>HDAC9</b>	1.24181170131908
<b>FAM129A</b>	1.31849098720544	<b>HDDC3</b>	1.1510724771717
<b>GCNT4</b>	1.31886886015748	<b>HDX</b>	1.69870162570233
<b>TRIM21</b>	1.31973894010789	<b>HECW1</b>	1.5279591882911
<b>TTC9</b>	1.32038847897336	<b>HECW2</b>	1.55835807547278
<b>ITGB2-AS1</b>	1.32047588342511	<b>HERC2P2</b>	1.33582985061713
<b>AC104135.4</b>	1.32064434994029	<b>HERC5</b>	2.86118478613672
<b>TLE2</b>	1.32339923123905	<b>HEXB</b>	1.05353495975843
<b>ZNF98</b>	1.3264553657155	<b>HIBADH</b>	1.0071407724492
<b>C1QTNF2</b>	1.32695903604285	<b>HID1</b>	1.27833225983253
<b>OAF</b>	1.32813145602984	<b>HIF1A</b>	3.92555009707969
<b>ASS1P12</b>	1.32914587224379	<b>HIST1H2AC</b>	1.00082438613179
<b>MST1</b>	1.33080533366479	<b>HIST1H3E</b>	1.41630162755402
<b>MED12</b>	1.33101110291765	<b>HKDC1</b>	1.16175839113818
<b>GCNT2</b>	1.33338756348168	<b>HMGA1</b>	4.46207416108908
<b>ARVCF</b>	1.33394244729207	<b>HMGA1P1</b>	2.66192941493438
<b>SEMA3E</b>	1.33535927669122	<b>HMGA1P2</b>	3.582655601982
<b>HERC2P2</b>	1.33582985061713	<b>HMGA1P3</b>	4.0136424377817
<b>ULK2</b>	1.33786948653791	<b>HMGA1P8</b>	2.71331267517153
<b>TNRC6C</b>	1.33831704029556	<b>HMHA1</b>	3.84460970753989
<b>HTATSF1P2</b>	1.3386374892476	<b>HMOX1</b>	2.91342095782481
<b>ADAMTS5</b>	1.33907974364199	<b>HOXA13</b>	1.38245243300893
<b>SOCS2</b>	1.34103075644314	<b>HOXA7</b>	3.8014296847888
<b>FAM179B</b>	1.34124032043654	<b>HOXD-AS2</b>	0.999513220049369
<b>JMY</b>	1.34174967283023	<b>HPS1</b>	1.00427921988012
<b>LRRC20</b>	1.34456669412261	<b>HPS5</b>	1.11325969623493
<b>ST14</b>	1.34537887966399	<b>HRK</b>	2.21592531104127
<b>ZSCAN16</b>	1.34540303049024	<b>HS1BP3</b>	1.30006694534947
<b>BATF3</b>	1.34821571308526	<b>HS3ST1</b>	1.88592340080155
<b>FSD1</b>	1.34848804059853	<b>HS6ST2</b>	1.06551606973248
<b>SLC8B1</b>	1.34954769151749	<b>HSBP1L1</b>	1.13098694450683

<b>SERPINH1P1</b>	1.34985200185234	<b>HSPA2</b>	1.87799901056219
<b>GDPD5</b>	1.35064435806384	<b>HTATIP2</b>	1.31226602148315
<b>SLC25A4</b>	1.35119230275908	<b>HTATSF1P2</b>	1.3386374892476
<b>TWF2</b>	1.35128704539645	<b>HYLS1</b>	1.09594721572062
<b>RAB3B</b>	1.35435454173831	<b>ICAM2</b>	1.74501372669618
<b>LRP4</b>	1.35466856816101	<b>ICOSLG</b>	1.10719550979667
<b>SC5D</b>	1.35538166475593	<b>IDH1-AS1</b>	1.13149775889453
<b>LIMS2</b>	1.35682519880264	<b>IDNK</b>	1.44467849455908
<b>LBX2-AS1</b>	1.35695658500501	<b>IDUA</b>	1.54993237242719
<b>RP11-159D12.2</b>	1.35700900155146	<b>IFI27L2</b>	1.04104845485741
<b>MMP2</b>	1.3584255933097	<b>IFI35</b>	1.67875780484362
<b>RGS9BP</b>	1.36023137760788	<b>IFIH1</b>	1.67174363835537
<b>ADAMTS2</b>	1.36085169972882	<b>IFIT2</b>	1.17104043599535
<b>SUSD1</b>	1.36122284549349	<b>IFIT3</b>	1.01650717095328
<b>NFIB</b>	1.36148101054537	<b>IFITM10</b>	1.03742617644467
<b>GAB2</b>	1.36189234192124	<b>IFNGR1</b>	1.30122778758899
<b>MAPK8IP1</b>	1.36240287969958	<b>IFT46</b>	1.18762673530662
<b>MANBA</b>	1.36247771498511	<b>IGBP1</b>	1.95017590234382
<b>APC2</b>	1.36253414891304	<b>IGBP1P1</b>	1.2986073639467
<b>ZNF492</b>	1.36289514836168	<b>IGDCC4</b>	6.62539442876845
<b>BNIP3L</b>	1.36315752912891	<b>IGF2-AS</b>	1.23841791272051
<b>C11orf1</b>	1.36360960949403	<b>IGF2BP1</b>	1.68273809702642
<b>FAT1</b>	1.36449019554618	<b>IGFBP2</b>	5.00269310594521
<b>RP11-350J20.12</b>	1.36845252874145	<b>IGFBP4</b>	2.96966205237471
<b>SLC19A3</b>	1.36907771438887	<b>IGFBP5</b>	2.58365799425137
<b>KCNMB1</b>	1.36940004021259	<b>IKBKE</b>	1.14522866514366
<b>FLRT1</b>	1.37094501734132	<b>IL17RD</b>	1.13553577541334
<b>BOK</b>	1.37165272549557	<b>IL18</b>	1.02448736946302
<b>SYT1</b>	1.37172343516149	<b>IL21R</b>	1.06771640724288
<b>SRR</b>	1.37203822620812	<b>IL27RA</b>	3.08312633263045
<b>ZNF517</b>	1.37227743601616	<b>IL2RG</b>	1.83708349409091
<b>RP11-867G23.8</b>	1.37353557119099	<b>IL31RA</b>	2.93084710181865
<b>UBE2Q2P1</b>	1.37615786733878	<b>IL4I1</b>	1.40966424683496
<b>ACPL2</b>	1.37622426057807	<b>IL6</b>	2.34393444262438
<b>LBX2</b>	1.37668552788582	<b>IL6R</b>	1.56570735309074
<b>BCAS3</b>	1.37839997225575	<b>IL8</b>	1.72974766167172
<b>FAM46C</b>	1.38036419799557	<b>ILK</b>	1.10288004323501
<b>RALGAPA2</b>	1.38088936521658	<b>IMPA2</b>	1.47356174105844
<b>RAG1</b>	1.3813483744709	<b>INCA1</b>	1.47906007841654
<b>ZNF319</b>	1.38152148421988	<b>INHBA</b>	1.0522626402097
<b>RP11-697N18.1</b>	1.38210857865327	<b>INHBE</b>	4.14781039153648
<b>HOXA13</b>	1.38245243300893	<b>INPP4B</b>	5.32514935524869
<b>ZNF688</b>	1.38383307885683	<b>INTS1</b>	1.06509812358215
<b>TCIRG1</b>	1.38499868781292	<b>IQCD</b>	2.80604637862498
<b>DDAH2</b>	1.38543611417227	<b>IRAQ1BP1</b>	1.23867067097457
<b>NR1H3</b>	1.38620058862739	<b>IRF8</b>	1.78677727152813
<b>CTTN</b>	1.3867028480353	<b>IRF9</b>	1.41423793348105
<b>CNRIP1</b>	1.38755739064449	<b>ISCA2</b>	1.12132013162284
<b>BLVRB</b>	1.38771327544355	<b>ISG20</b>	1.13700380097105
<b>BSN</b>	1.39042571197022	<b>ITGA1</b>	2.21329217615986

<b>ABCD4</b>	1.39126627841835	<b>ITGA4</b>	1.97193321766347
<b>PRSS12</b>	1.39133381499623	<b>ITGA6</b>	1.75766657383349
<b>RP11-1055B8.7</b>	1.39299399182231	<b>ITGB2-AS1</b>	1.32047588342511
<b>AC093818.1</b>	1.3943697990253	<b>ITPK1</b>	1.14442053068474
<b>TP53INP2</b>	1.3950620702499	<b>JAM2</b>	1.63140598342236
<b>OTUB2</b>	1.39654727082387	<b>JDP2</b>	2.86800630469048
<b>UPRT</b>	1.3966122745902	<b>JMY</b>	1.34174967283023
<b>KCNT2</b>	1.39852201928781	<b>JPH1</b>	2.70022053103649
<b>ANO10</b>	1.39852253575165	<b>JPH2</b>	3.66900712055258
<b>TCF7L2</b>	1.39878916748978	<b>JPX</b>	1.08935212308501
<b>REEP6</b>	1.39891012903791	<b>KBTBD11</b>	1.93084109617641
<b>TBC1D8</b>	1.39912924287394	<b>KCNAB2</b>	1.47156546583294
<b>CASP1</b>	1.39942633577528	<b>KCNIP1</b>	7.47321650658197
<b>SHBG</b>	1.39997101347838	<b>KCNJ12</b>	2.13455174750902
<b>SYTL4</b>	1.40007716435012	<b>KCNJ5</b>	1.19604085957985
<b>C15orf39</b>	1.40056558793042	<b>KCNK15</b>	1.05889065331215
<b>DNHD1</b>	1.40149138017502	<b>KCNK3</b>	3.69680341308939
<b>OSR1</b>	1.40154848220041	<b>KCNMB1</b>	1.36940004021259
<b>EVI5L</b>	1.40474480402246	<b>KCNN3</b>	1.24805265221564
<b>MATN2</b>	1.40647671056756	<b>KCNQ3</b>	1.0328404086797
<b>FAM21A</b>	1.40682768263048	<b>KCNQ4</b>	2.85060118725657
<b>OSER1-AS1</b>	1.40684486268153	<b>KCNT2</b>	1.39852201928781
<b>CSF2</b>	1.40937786739318	<b>KCP</b>	1.28614794696865
<b>PSG3</b>	1.40949240387355	<b>KCTD14</b>	2.77772808838426
<b>IL4I1</b>	1.40966424683496	<b>KDELC2</b>	1.54019103455753
<b>LCN2</b>	1.41171529578238	<b>KHDRBS3</b>	1.89760887378774
<b>FTLP2</b>	1.41308703565647	<b>KIAA0040</b>	1.60143580678594
<b>PCED1A</b>	1.41352799977165	<b>KIAA0196</b>	0.995184672418208
<b>CORO1B</b>	1.41407086848305	<b>KIAA0391</b>	1.17253692170926
<b>TMEM134</b>	1.41419675524408	<b>KIAA1107</b>	1.24958778837477
<b>IRF9</b>	1.41423793348105	<b>KIAA1109</b>	0.996714366329443
<b>HIST1H3E</b>	1.41630162755402	<b>KIAA1211</b>	3.35044279722165
<b>MAP4K2</b>	1.4163765592929	<b>KIAA1683</b>	1.43775939453641
<b>RP11-472M19.2</b>	1.41944755150388	<b>KIAA1731</b>	1.13441237628597
<b>LIMD2</b>	1.41948566743941	<b>KIF17</b>	1.45261148830282
<b>FMNL2</b>	1.42173548619902	<b>KIF26A</b>	1.6351601226692
<b>GALT</b>	1.42511191083374	<b>KIF6</b>	2.90542056291763
<b>FKBP9L</b>	1.42561751014684	<b>KLF4</b>	1.7530994653855
<b>CD40</b>	1.42570280877298	<b>KLF8</b>	1.62784942361415
<b>MYO5C</b>	1.42788699496178	<b>KLHDC8B</b>	2.46894125117696
<b>CYS1</b>	1.42880018885854	<b>KLHL24</b>	2.67330601682424
<b>ABCC10</b>	1.42919178539858	<b>KLHL29</b>	1.54223289829925
<b>KPTN</b>	1.43018998294891	<b>KLHL30</b>	1.24672241959147
<b>RP11-403I13.8</b>	1.43047618243525	<b>KPNA5</b>	1.09144513646176
<b>PSG7</b>	1.4324347171439	<b>KPTN</b>	1.43018998294891
<b>GPR176</b>	1.43638325737806	<b>KRT17</b>	6.37571446125045
<b>AC009133.14</b>	1.43699082074698	<b>KRT33B</b>	1.82434266428921
<b>FBXO25</b>	1.43704576028057	<b>KRT34</b>	2.54151591569985
<b>KIAA1683</b>	1.43775939453641	<b>KRT7</b>	3.03675476312849
<b>C1orf145</b>	1.43789362200779	<b>KRT81</b>	3.2474427683037

<b>ASPHD2</b>	1.43847781743992	<b>KRT86</b>	1.77228751317101
<b>DUSP3</b>	1.43932943243433	<b>KSR1</b>	2.84666633823723
<b>PPM1L</b>	1.44016430690576	<b>L1CAM</b>	5.44724645498087
<b>CYBRD1</b>	1.44031170761954	<b>LAMA1</b>	1.95556390466503
<b>ADAMTS9</b>	1.44083375741505	<b>LAMA2</b>	3.4974409378906
<b>SGK3</b>	1.44110164181282	<b>LAMA5</b>	3.20679234833955
<b>SLC16A2</b>	1.44384524551161	<b>LAMP5</b>	1.04591577681666
<b>CRIP3</b>	1.44430336002991	<b>LAMTOR1</b>	1.02358974862123
<b>IDNK</b>	1.44467849455908	<b>LAPTM4B</b>	1.04137177394385
<b>G6PD</b>	1.44617745116432	<b>LARP6</b>	1.1229247012135
<b>DDX58</b>	1.44723823873216	<b>LBH</b>	1.04474666377091
<b>SIX1</b>	1.44800966797551	<b>LBX2</b>	1.37668552788582
<b>BMF</b>	1.44909299389208	<b>LBX2-AS1</b>	1.35695658500501
<b>MMP16</b>	1.4490999321645	<b>LCN2</b>	1.41171529578238
<b>BTBD6</b>	1.44954011934288	<b>LCP1</b>	3.63531474502358
<b>KIF17</b>	1.45261148830282	<b>LGALS1</b>	2.11408298251936
<b>ZNF234</b>	1.45267552812507	<b>LGI2</b>	1.12633501487852
<b>MOCS1</b>	1.45449342821053	<b>LGR4</b>	2.61090713287462
<b>UQCRFS1P1</b>	1.45608550956448	<b>LHPP</b>	1.55067920635518
<b>AC025335.1</b>	1.45782321634315	<b>LIMCH1</b>	5.10852091572275
<b>TRIB1</b>	1.45974119897162	<b>LIMD1</b>	1.16436074392581
<b>CAMK2D</b>	1.46276647302491	<b>LIMD2</b>	1.41948566743941
<b>RP11-849F2.8</b>	1.46338366590276	<b>LIMS2</b>	1.35682519880264
<b>MSANTD1</b>	1.46406053710472	<b>LIN7A</b>	1.73064471045673
<b>ABCB6</b>	1.46414686970342	<b>LINC00087</b>	1.06925124468467
<b>BATF2</b>	1.4641857488537	<b>LINC00346</b>	1.0750612655126
<b>MACROD2</b>	1.46449772584283	<b>LINC00355</b>	3.66641822921016
<b>CTD-2267D19.3</b>	1.4649834409922	<b>LINC00431</b>	1.11645259805416
<b>PIN4</b>	1.46596286243904	<b>LINC00521</b>	2.80008623961866
<b>FJX1</b>	1.46995814455511	<b>LINC00528</b>	1.05206167250247
<b>SLC18B1</b>	1.47002277917964	<b>LINC00607</b>	2.1808321463271
<b>SERPINB9</b>	1.47085929100876	<b>LINC00623</b>	1.29078337642397
<b>KCNAB2</b>	1.47156546583294	<b>LINC00638</b>	1.85047073246782
<b>RP11-17M16.2</b>	1.47270736395638	<b>LINC00857</b>	2.52817450091202
<b>C9orf91</b>	1.47316755230086	<b>LINC00862</b>	1.26523953364041
<b>IMPA2</b>	1.47356174105844	<b>LINC00869</b>	1.06840516773759
<b>CDS2</b>	1.47366389593524	<b>LINC00908</b>	1.31140308397364
<b>FLCN</b>	1.47617620201588	<b>LINC00944</b>	1.28433922530597
<b>ACCS</b>	1.47674448973995	<b>LINC00948</b>	1.61303995553913
<b>CCL28</b>	1.47720156371958	<b>LIPC</b>	3.0855341091243
<b>ERCC2</b>	1.47729894422484	<b>LL21NC02-1C16.1</b>	1.70474370286819
<b>RP11-417E7.1</b>	1.47807921398654	<b>LL22NC03-N14H11.1</b>	1.20822500528933
<b>RP3-368A4.5</b>	1.47837990250461	<b>LL22NC03-N64E9.1</b>	2.24703534745113
<b>TTLL3</b>	1.4784591455382	<b>LMO2</b>	3.4989580463916
<b>INCA1</b>	1.47906007841654	<b>LONRF1</b>	1.23521428585639
<b>ZC3H12C</b>	1.4796115457883	<b>LOX</b>	2.56825184723752
<b>RP11-1166P10.1</b>	1.47991604219041	<b>LOXL1</b>	1.61579439086226
<b>ANKRD18B</b>	1.48188140903195	<b>LOXL1-AS1</b>	1.97337340203987
<b>CXCL1</b>	1.48349763047199	<b>LOXL3</b>	1.23301968739475
<b>ARHGAP23P1</b>	1.48444484471689	<b>LPAR2</b>	1.18530318040598

<b>TRIM29</b>	1.48711810147177	<b>LPL</b>	6.46298655251002
<b>TAGLN3</b>	1.48712774824712	<b>LRFN3</b>	1.9280247062768
<b>TENM4</b>	1.4888097555716	<b>LRP4</b>	1.35466856816101
<b>RLIM</b>	1.48986506364935	<b>LRRC15</b>	2.40272603225294
<b>MDGA1</b>	1.49024874511349	<b>LRRC20</b>	1.34456669412261
<b>FBXL18</b>	1.49042260078503	<b>LRRC28</b>	1.13485093373135
<b>NFE2L1</b>	1.49074837219509	<b>LRRC49</b>	1.00826931195078
<b>CA8</b>	1.49357169369048	<b>LSR</b>	2.32734215693863
<b>FAM21B</b>	1.49454457904732	<b>LTBP2</b>	3.42170453306095
<b>AGMAT</b>	1.49557382402213	<b>LURAP1L</b>	1.29252722347623
<b>RP11-115J23.1</b>	1.49582033714311	<b>LY6E</b>	1.66898002504328
<b>FTCDNL1</b>	1.49645915525173	<b>LY6K</b>	4.76004932962275
<b>MROH8</b>	1.49911074147087	<b>LYPD6</b>	1.03648465344363
<b>TBC1D30</b>	1.49924296295562	<b>LYRM9</b>	1.00084404839316
<b>MT2A</b>	1.50062057172165	<b>LZTS3</b>	1.68690918524293
<b>FTL</b>	1.50062913764053	<b>MACROD1</b>	1.20567599819408
<b>FTLP3</b>	1.50147555718233	<b>MACROD2</b>	1.46449772584283
<b>SCAND2P</b>	1.50172393390848	<b>MAD1L1</b>	1.16981498376571
<b>SH3GL2</b>	1.50332308981409	<b>MAFF</b>	1.105840066705
<b>PCLO</b>	1.50610634767193	<b>MAGEB2</b>	3.55087584340967
<b>H6PD</b>	1.5065420716439	<b>MAL2</b>	1.98597043648025
<b>BPHL</b>	1.50878948596745	<b>MANBA</b>	1.36247771498511
<b>PARD6G</b>	1.50984725532852	<b>MAP1LC3C</b>	2.33828344042949
<b>RNF150</b>	1.5104911908086	<b>MAP3K15</b>	2.35403238303129
<b>CPQ</b>	1.51055448825936	<b>MAP3K5</b>	1.55145899508348
<b>EHD1</b>	1.51254183720625	<b>MAP3K8</b>	1.14726843692973
<b>MBP</b>	1.51290730371165	<b>MAP4K2</b>	1.4163765592929
<b>GID4</b>	1.51397040957845	<b>MAP4K5</b>	1.2620713185816
<b>DFNA5</b>	1.51448541698961	<b>MAPK11</b>	0.99640789466539
<b>GSTM3</b>	1.51464514834433	<b>MAPK8IP1</b>	1.36240287969958
<b>NCOA7</b>	1.51553037164811	<b>MARCH2</b>	1.69578030831136
<b>WDR81</b>	1.51768117228239	<b>MARCH4</b>	2.11382612941475
<b>PTPRM</b>	1.52018734647288	<b>MARCH9</b>	1.25091567763043
<b>SNX12</b>	1.5210892909496	<b>MARCO</b>	1.13519403833831
<b>ANO9</b>	1.52660929885383	<b>MARK1</b>	4.04360030855694
<b>SERPINH1</b>	1.52772040876775	<b>MATK</b>	1.7012044134412
<b>HECW1</b>	1.5279591882911	<b>MATN2</b>	1.40647671056756
<b>QRFRP</b>	1.52936562827465	<b>MATN3</b>	2.6685682147261
<b>FKBP9</b>	1.53231162955141	<b>MBP</b>	1.51290730371165
<b>MT2P1</b>	1.53279700212329	<b>MCAM</b>	1.72622413937075
<b>ATXN3</b>	1.5336848075794	<b>MCF2L2</b>	1.11757587758996
<b>CREBRF</b>	1.53484883345233	<b>MCOLN3</b>	4.27245506171112
<b>EFTUD1</b>	1.53532821238795	<b>MDGA1</b>	1.49024874511349
<b>CCDC122</b>	1.53743410449167	<b>MDGA2</b>	1.28973717551904
<b>CNNM2</b>	1.53894423910363	<b>MED11</b>	1.17749667315799
<b>KDELC2</b>	1.54019103455753	<b>MED12</b>	1.33101110291765
<b>PLD1</b>	1.54068619966227	<b>MEGF6</b>	1.02049640920367
<b>NAGLU</b>	1.54148320198323	<b>MEGF8</b>	1.0461321663802
<b>KLHL29</b>	1.54223289829925	<b>MEIS3</b>	4.42113513228702
<b>PACS2</b>	1.54341179243777	<b>MEIS3P1</b>	1.94259729066746

<b>C1orf115</b>	1.54533769810632	<b>MEIS3P2</b>	1.1346833403446
<b>FREM2</b>	1.54773570879649	<b>MERTK</b>	2.07969046675562
<b>SLC2A12</b>	1.54850787887593	<b>MFHAS1</b>	0.994580487691405
<b>CTB-147C13.1</b>	1.54939105597297	<b>MFSD2B</b>	2.01198639437677
<b>IDUA</b>	1.54993237242719	<b>MGAT4A</b>	1.16951419990859
<b>AC005540.3</b>	1.55021850643895	<b>MGAT4C</b>	3.34868543714253
<b>LHPP</b>	1.55067920635518	<b>MIOX</b>	1.57784958335963
<b>MAP3K5</b>	1.55145899508348	<b>MIR146A</b>	2.56292799300193
<b>TRANK1</b>	1.55324862867134	<b>MISP</b>	2.40317572584616
<b>PPT2</b>	1.554230914573	<b>MKX</b>	3.13969811866897
<b>RP3-399L15.3</b>	1.55517726354599	<b>MLPH</b>	5.64399111992244
<b>TET1</b>	1.55671662412873	<b>MMP1</b>	4.87621795797021
<b>SDR42E1</b>	1.55678460832432	<b>MMP15</b>	2.88706982555748
<b>RP11-554I8.2</b>	1.55700274527408	<b>MMP16</b>	1.4490999321645
<b>HECW2</b>	1.55835807547278	<b>MMP17</b>	2.53323276209055
<b>WWC2</b>	1.55885530394105	<b>MMP2</b>	1.3584255933097
<b>TEX22</b>	1.55931027167223	<b>MOB3B</b>	2.3912982839137
<b>WNT5A</b>	1.56115220206361	<b>MOCS1</b>	1.45449342821053
<b>NANOS1</b>	1.56174156027093	<b>MPC1</b>	1.11905238573652
<b>PROS1</b>	1.56289888461542	<b>MPI</b>	1.08621548683958
<b>RP11-879F14.2</b>	1.56394978658389	<b>MPP2</b>	1.76062576364523
<b>PEPD</b>	1.5656421945341	<b>MPP7</b>	2.13744752248594
<b>IL6R</b>	1.56570735309074	<b>MROH8</b>	1.49911074147087
<b>THY1</b>	1.56902222823076	<b>MSANTD1</b>	1.46406053710472
<b>FAM26F</b>	1.5700590973537	<b>MSC</b>	1.05070609063284
<b>EPG5</b>	1.57147748784887	<b>MSRA</b>	1.78887814492065
<b>NKIRAS2</b>	1.57395500253987	<b>MST1</b>	1.33080533366479
<b>AC104841.2</b>	1.57577986188534	<b>MT1L</b>	2.16037247679907
<b>C1orf186</b>	1.57608598156209	<b>MT2A</b>	1.50062057172165
<b>GLI1</b>	1.57686734957524	<b>MT2P1</b>	1.53279700212329
<b>MIOX</b>	1.57784958335963	<b>MTHFS</b>	1.82976405866168
<b>AGT</b>	1.5817654669485	<b>MTMR8</b>	7.63900772537091e-05
<b>TCEAL4</b>	1.58244158302031	<b>MTMR9LP</b>	2.89196184425077
<b>RP11-150O12.3</b>	1.58248210117882	<b>MT-TC</b>	1.04769531267963
<b>FAM171B</b>	1.58269627293176	<b>MT-TD</b>	1.01910138842137
<b>CTSB</b>	1.58457010728961	<b>MX1</b>	1.3076356782471
<b>F2RL3</b>	1.58507205833436	<b>MX2</b>	1.03473982962779
<b>C12orf39</b>	1.58550175843709	<b>MYH14</b>	4.39563976003861
<b>TLCD2</b>	1.58590922105188	<b>MYO1D</b>	2.41694362784994
<b>GSTT2</b>	1.5860151455157	<b>MYO5C</b>	1.42788699496178
<b>CTD-2357A8.3</b>	1.5861293181346	<b>MYO7A</b>	4.15475933827725
<b>P2RY8</b>	1.58673731402998	<b>N4BP2L1</b>	1.1244702490131
<b>TNFAIP3</b>	1.58764064108089	<b>N4BP3</b>	4.20194029244529
<b>RP11-445P17.8</b>	1.58794496767435	<b>NAGLU</b>	1.54148320198323
<b>PALM2</b>	1.59025009132832	<b>NANOS1</b>	1.56174156027093
<b>ZBTB44</b>	1.59056084970358	<b>NAP1L5</b>	1.05436584824228
<b>SAA2-SAA4</b>	1.5917295431447	<b>NAT8L</b>	3.88330185926872
<b>PRDM11</b>	1.59296216409123	<b>NCALD</b>	1.11673958902506
<b>FOXO4</b>	1.59504636623802	<b>NCOA7</b>	1.51553037164811
<b>TRAF5</b>	1.59512655309298	<b>NCOR1P3</b>	2.56450169247178

<b>ABCB7</b>	1.59664970627131	<b>NCR3LG1</b>	1.13186211983535
<b>SLC37A2</b>	1.59739419607546	<b>NEAT1</b>	1.28323437697863
<b>FAM26E</b>	1.59942179955277	<b>NEGR1</b>	1.23022517287026
<b>KIAA0040</b>	1.60143580678594	<b>NEIL1</b>	1.75836400378836
<b>GNPDA1</b>	1.60426731707917	<b>NEK11</b>	1.20289287307037
<b>CILP2</b>	1.6045787607896	<b>NELL2</b>	2.92288101388655
<b>RP11-783K16.14</b>	1.60609226377489	<b>NEU1</b>	2.19345978582345
<b>PIK3AP1</b>	1.60884454683274	<b>NEURL2</b>	1.25162457062742
<b>TMEM47</b>	1.60959686283509	<b>NEURL3</b>	2.59140425178687
<b>LINC00948</b>	1.61303995553913	<b>NFE2L1</b>	1.49074837219509
<b>LOXL1</b>	1.61579439086226	<b>NFIB</b>	1.36148101054537
<b>C17orf103</b>	1.61703186929973	<b>NFKBIA</b>	1.29513344196897
<b>SVIL</b>	1.62078906176342	<b>NHLRC1</b>	1.86224648065617
<b>EBF4</b>	1.62156217423208	<b>NID2</b>	3.28476824641945
<b>FAM21C</b>	1.62612496506801	<b>NIN</b>	1.31679249047383
<b>RRAGB</b>	1.62622456663396	<b>NINL</b>	1.8761177066405
<b>CLCN5</b>	1.62705971689315	<b>NKAIN4</b>	2.05788218700449
<b>KLF8</b>	1.62784942361415	<b>NKIRAS2</b>	1.57395500253987
<b>GAREML</b>	1.62827559922759	<b>NKX6-1</b>	1.20721685475967
<b>ASS1P10</b>	1.62934338545092	<b>NLRX1</b>	1.6717280981648
<b>CTC1</b>	1.63005313259368	<b>NME4</b>	3.20875287127741
<b>JAM2</b>	1.63140598342236	<b>NMNAT2</b>	1.23810156246725
<b>AC093391.2</b>	1.63199090900551	<b>NOG</b>	3.88467455843557
<b>RP4-584D14.7</b>	1.63223243943053	<b>NONO</b>	1.06342438974512
<b>KIF26A</b>	1.6351601226692	<b>NOXA1</b>	1.97036280054878
<b>PPM1E</b>	1.6351601226692	<b>NPC2</b>	2.21623558746186
<b>UNC13A</b>	1.63565685113596	<b>NPNT</b>	1.86504085387487
<b>PRKCQ-AS1</b>	1.63723221577658	<b>NPPA-AS1</b>	1.16105086629796
<b>DDC</b>	1.63727457743602	<b>NPPB</b>	7.70747124026654
<b>RPS4XP17</b>	1.63751204338727	<b>NPR1</b>	2.21352105137509
<b>AC104024.1</b>	1.6415076834482	<b>NPR2</b>	2.03662095067629
<b>PDZD11</b>	1.64453386388028	<b>NPTXR</b>	1.66601191071954
<b>ACBD4</b>	1.64639909522101	<b>NR0B1</b>	3.13544543653425
<b>FAM84B</b>	1.64765471007392	<b>NR1H3</b>	1.38620058862739
<b>STK33</b>	1.64946536560748	<b>NR3C2</b>	2.29969406743381
<b>SLC27A3</b>	1.65079788386947	<b>NR4A1</b>	1.87211721810222
<b>CTD-2014B16.2</b>	1.65311036351156	<b>NRARP</b>	1.8247812925204
<b>RALGAPA1</b>	1.65468054184864	<b>NRCAM</b>	1.0121643933512
<b>SOX13</b>	1.65491667349807	<b>NRG2</b>	1.99359441610025
<b>GOLGA7B</b>	1.65516288079918	<b>NRXN2</b>	1.98391186624639
<b>FN3K</b>	1.6554248133918	<b>NRXN3</b>	1.17467381350552
<b>DDIT3</b>	1.65745202286534	<b>NTN1</b>	1.8636254910082
<b>BCL11B</b>	1.66151233030719	<b>NUAK2</b>	1.80355183455411
<b>TCN2</b>	1.6645406053025	<b>NUDT14</b>	1.05452290848491
<b>PPM1J</b>	1.665563238618	<b>NUDT7</b>	1.92090065421489
<b>NPTXR</b>	1.66601191071954	<b>NUP210</b>	2.40999846647116
<b>SNN</b>	1.66628549706769	<b>NUPR1</b>	4.23627586558843
<b>LY6E</b>	1.66898002504328	<b>NXPH4</b>	3.7240514128326
<b>UXS1</b>	1.66943266680778	<b>NYX</b>	2.2857176969772
<b>PHYH</b>	1.67066142459473	<b>OAF</b>	1.32813145602984

<b>UCP2</b>	1.67129490435584	<b>OBSCN</b>	3.11070272404768
<b>NLRX1</b>	1.6717280981648	<b>OGDH</b>	0.993567864449068
<b>IFIH1</b>	1.67174363835537	<b>OGDHL</b>	2.50575598867261
<b>ARAP1</b>	1.67197810898764	<b>OGT</b>	2.12940827470207
<b>FIGNL1</b>	1.67779161124245	<b>OLA1P1</b>	1.03045326511416
<b>IFI35</b>	1.67875780484362	<b>OLFML2A</b>	1.15009559026849
<b>CSGALNACT1</b>	1.6809752045277	<b>OPHN1</b>	2.61109466606879
<b>PSG2</b>	1.68203745693017	<b>OPLAH</b>	3.45424317226391
<b>AC147651.4</b>	1.68248557631401	<b>OPTN</b>	1.0707396988148
<b>IGF2BP1</b>	1.68273809702642	<b>OR12D2</b>	2.82911927011026
<b>TMCC2</b>	1.68412314481929	<b>OSBP2</b>	1.27094071900977
<b>CCL2</b>	1.68414470983322	<b>OSBPL1A</b>	2.90233778837991
<b>ARRB1</b>	1.68421281506028	<b>OSCAR</b>	2.55512814252361
<b>SNX18P7</b>	1.6844540102598	<b>OSER1-AS1</b>	1.40684486268153
<b>LZTS3</b>	1.68690918524293	<b>OSR1</b>	1.40154848220041
<b>RP11-907D1.2</b>	1.6876297957901	<b>OSTM1</b>	1.0773302517803
<b>AP1G2</b>	1.68888422772586	<b>OTUB2</b>	1.39654727082387
<b>DAGLB</b>	1.69224499651387	<b>OXA1L</b>	1.00183510917754
<b>MARCH2</b>	1.69578030831136	<b>P2RX4</b>	1.91742757186926
<b>PADI2</b>	1.69584524450028	<b>P2RX7</b>	1.18953780124521
<b>RGS10</b>	1.69716361722447	<b>P2RY8</b>	1.58673731402998
<b>HDX</b>	1.69870162570233	<b>PABPC4L</b>	1.28675734414849
<b>BBS5</b>	1.69986590415856	<b>PACS2</b>	1.54341179243777
<b>MATK</b>	1.7012044134412	<b>PACSIN3</b>	1.07779717811414
<b>PPP4R4</b>	1.70140985003362	<b>PADI1</b>	1.24289276802058
<b>C1QTNF1</b>	1.70148069092426	<b>PADI2</b>	1.69584524450028
<b>RP11-35G9.3</b>	1.70316529096735	<b>PADI3</b>	1.10411521393177
<b>LL21NC02-1C16.1</b>	1.70474370286819	<b>PALM2</b>	1.59025009132832
<b>RAB32</b>	1.70516339945239	<b>PANX1</b>	1.31774262994596
<b>GLI3</b>	1.70533548330186	<b>PAPPA</b>	3.39964024540629
<b>FAM134B</b>	1.70552006916723	<b>PAPPA2</b>	1.06457925430632
<b>FAM21D</b>	1.70919571489985	<b>PAQR5</b>	1.17449988357209
<b>CPM</b>	1.70951464606046	<b>PAQR6</b>	1.86674696130154
<b>ABTB2</b>	1.70976089641443	<b>PARD3B</b>	1.08503514303357
<b>BIK</b>	1.71225119083119	<b>PARD6B</b>	1.05063033606508
<b>PPARGC1A</b>	1.71495660615441	<b>PARD6G</b>	1.50984725532852
<b>AP001258.4</b>	1.7160929548541	<b>PARVA</b>	1.07488331528922
<b>PPM1M</b>	1.71944290264189	<b>PATL2</b>	1.22943664868457
<b>CTH</b>	1.72102076505117	<b>PAX9</b>	1.04482284224084
<b>CTD-3131K8.2</b>	1.72130581481531	<b>PBXIP1</b>	1.08645973131724
<b>GABRB3</b>	1.72341470300476	<b>PCDH1</b>	4.05339103392783
<b>VPS13B</b>	1.72406061868564	<b>PCDH10</b>	2.0595993396171
<b>GATA3</b>	1.72515622637264	<b>PCDH20</b>	4.11250068814852
<b>MCAM</b>	1.72622413937075	<b>PCDHA2</b>	0.991702742630403
<b>PLSCR4</b>	1.72717595408194	<b>PCDHB11</b>	1.23420517838087
<b>ZNF318</b>	1.72729905535431	<b>PCDHB13</b>	1.31777645674446
<b>TUBAL3</b>	1.72743496552435	<b>PCDHGA11</b>	1.11866811626073
<b>VNN1</b>	1.72858246341975	<b>PCED1A</b>	1.41352799977165
<b>ZNF235</b>	1.72896877574897	<b>PCK2</b>	2.47602466076012
<b>C15orf38</b>	1.72961244143019	<b>PCLO</b>	1.50610634767193



<b>IL8</b>	1.72974766167172	<b>PCNXL4</b>	1.27925578072427
<b>ASB2</b>	1.72999468667424	<b>PCSK9</b>	3.21471985846448
<b>ROBO3</b>	1.73059342353352	<b>PDE2A</b>	1.30847216039168
<b>LIN7A</b>	1.73064471045673	<b>PDE3B</b>	5.05539824734231
<b>ABCA3</b>	1.73185940174763	<b>PDE6D</b>	1.0206667886051
<b>RIN3</b>	1.73480103109823	<b>PDP1</b>	1.13851780990456
<b>PTPRJ</b>	1.73651533399221	<b>PDPN</b>	5.26683031638475
<b>AP001007.1</b>	1.7383816320332	<b>PDZD11</b>	1.64453386388028
<b>CBS</b>	1.73851494837861	<b>PDZD2</b>	1.17489997260192
<b>CTD-2227C6.3</b>	1.74298116684776	<b>PDZD4</b>	1.25130958737737
<b>GTDC1</b>	1.74400738441228	<b>PDZK1IP1</b>	1.74773720983117
<b>ICAM2</b>	1.74501372669618	<b>PEAR1</b>	1.18279386686971
<b>RP11-293M10.6</b>	1.74604671773184	<b>PELP1</b>	1.14215893323602
<b>PDZK1IP1</b>	1.74773720983117	<b>PEPD</b>	1.5656421945341
<b>TMEM55B</b>	1.74971627982112	<b>PGM2L1</b>	1.87632496363256
<b>ATG16L2</b>	1.75027773741319	<b>PGPEP1</b>	1.03746346636922
<b>ACOT2</b>	1.75064413354616	<b>PHACTR1</b>	2.87410787294982
<b>CTSD</b>	1.75174878905936	<b>PHACTR2</b>	1.29652966576159
<b>AL592284.1</b>	1.75221617369367	<b>PHF21B</b>	2.64865628545113
<b>KLF4</b>	1.7530994653855	<b>PHLDB3</b>	1.91511760472663
<b>GBA</b>	1.75315764186039	<b>PHYH</b>	1.67066142459473
<b>ZBTB47</b>	1.75524846061221	<b>PIK3AP1</b>	1.60884454683274
<b>C19orf33</b>	1.75560123138208	<b>PIK3CD</b>	1.30663066977376
<b>ITGA6</b>	1.75766657383349	<b>PIK3IP1</b>	4.52405039846925
<b>NEIL1</b>	1.75836400378836	<b>PIK3R6</b>	2.69077223879794
<b>DLG3</b>	1.75907054206184	<b>PIN4</b>	1.46596286243904
<b>CERCAM</b>	1.75910030274344	<b>PIP5KL1</b>	3.64519556654239
<b>RP5-864K19.4</b>	1.75983527318832	<b>PITPNC1</b>	1.07497683150148
<b>MPP2</b>	1.76062576364523	<b>PITPNM3</b>	1.83017840721901
<b>STOX2</b>	1.76158438726908	<b>PIWIL4</b>	1.1922991329723
<b>FRAT1</b>	1.76848117047598	<b>PKD1L1</b>	1.05487588824332
<b>RP11-24F11.2</b>	1.76914581612267	<b>PKD1L2</b>	1.19473057573586
<b>KRT86</b>	1.77228751317101	<b>PKN1</b>	0.993010824336748
<b>PLEKHF1</b>	1.77627362864045	<b>PKN3</b>	1.09455486190536
<b>AMPD3</b>	1.77644523285947	<b>PLA2G16</b>	3.13123645747181
<b>ADORA2B</b>	1.77860100254826	<b>PLA2G4A</b>	2.66305603821505
<b>ST3GAL1</b>	1.77891982568377	<b>PLA2G4C</b>	3.3966536948633
<b>GCHFR</b>	1.77901213617917	<b>PLAG1</b>	2.32439828387504
<b>RAPGEF3</b>	1.78165626361346	<b>PLAT</b>	5.59207552101742
<b>PNRC1</b>	1.78205858026599	<b>PLBD1</b>	3.83216926163726
<b>ALDH1A3</b>	1.7835827088523	<b>PLCD3</b>	1.13575855291167
<b>PLEKHH1</b>	1.78560972360402	<b>PLCG2</b>	5.43273328576454
<b>ACOT1</b>	1.78577840223098	<b>PLD1</b>	1.54068619966227
<b>RP11-554D15.4</b>	1.78674162162897	<b>PLD2</b>	1.12180596972128
<b>IRF8</b>	1.78677727152813	<b>PLEK2</b>	1.03751503620761
<b>MSRA</b>	1.78887814492065	<b>PLEKHA4</b>	1.12567800222602
<b>CYP4F26P</b>	1.79015701154555	<b>PLEKHA7</b>	2.95081202087046
<b>THYN1</b>	1.79069722581682	<b>PLEKHF1</b>	1.77627362864045
<b>EPB41L1</b>	1.79332591954488	<b>PLEKHH1</b>	1.78560972360402
<b>ARRB2</b>	1.79731392801028	<b>PLEKHM1</b>	1.10291192526264

<b>CTD-2015H6.3</b>	1.79974787494056	<b>PLSCR4</b>	1.72717595408194
<b>ADAMTS14</b>	1.80306972948627	<b>PLXNA2</b>	4.11346915095832
<b>NUAK2</b>	1.80355183455411	<b>PLXND1</b>	1.18835201127045
<b>SHF</b>	1.80356209656383	<b>PNMA2</b>	3.06621012656119
<b>ZFYVE1</b>	1.80627588984069	<b>PNPLA3</b>	2.18872695677175
<b>GPSM3</b>	1.80960746759824	<b>PNRC1</b>	1.78205858026599
<b>RP11-79H23.3</b>	1.81149957928626	<b>POF1B</b>	1.17603795534528
<b>FAM65C</b>	1.81229309611153	<b>POLN</b>	2.27099108965716
<b>UFSP2</b>	1.81246106599487	<b>POLR2G</b>	1.03393994787472
<b>RTN4R</b>	1.813797973637	<b>POU2F2</b>	1.90079137685957
<b>DAPP1</b>	1.81488201269457	<b>POU3F3</b>	4.93900728628492
<b>BCAM</b>	1.81713964306765	<b>PP13439</b>	1.08998599290713
<b>ZFHX2</b>	1.81957673696616	<b>PPA2</b>	1.23547066915034
<b>C1orf56</b>	1.82135548977507	<b>PPAP2B</b>	1.95352568739179
<b>DNMT3B</b>	1.82295374901676	<b>PPAP2C</b>	3.78234788836011
<b>SETBP1</b>	1.82308401547788	<b>PPARGC1A</b>	1.71495660615441
<b>KRT33B</b>	1.82434266428921	<b>PPFIBP2</b>	1.9824675477036
<b>NRARP</b>	1.8247812925204	<b>PPM1E</b>	1.6351601226692
<b>GPR146</b>	1.82572254024042	<b>PPM1J</b>	1.665563238618
<b>RP11-157P1.4</b>	1.82811165113594	<b>PPM1L</b>	1.44016430690576
<b>MTHFS</b>	1.82976405866168	<b>PPM1M</b>	1.71944290264189
<b>PITPNM3</b>	1.83017840721901	<b>PPM1N</b>	1.22162766839294
<b>GCNT3</b>	1.83226921594257	<b>PPP1R14C</b>	1.23232248243738
<b>UBBP4</b>	1.83339892531479	<b>PPP1R15A</b>	1.18998610239564
<b>FAM89A</b>	1.83356016425237	<b>PPP1R21</b>	1.1256007514214
<b>SLC25A37</b>	1.83506761399536	<b>PPP1R3B</b>	1.14183384257236
<b>DCHS2</b>	1.8366964413802	<b>PPP1R3G</b>	1.87112055107534
<b>ATRX</b>	1.8367347441327	<b>PPP4R4</b>	1.70140985003362
<b>IL2RG</b>	1.83708349409091	<b>PPT2</b>	1.554230914573
<b>DGKA</b>	1.83923673018478	<b>PRDM11</b>	1.59296216409123
<b>U91319.1</b>	1.84276063388862	<b>PRDM6</b>	1.9850361155667
<b>C17orf96</b>	1.84577134214693	<b>PRDX5</b>	1.23784465085038
<b>CCDC120</b>	1.84771362412085	<b>PRKAA2</b>	1.94852033313162
<b>LINC00638</b>	1.85047073246782	<b>PRKCQ</b>	2.57649792494284
<b>SEMA4A</b>	1.85505312821378	<b>PRKCQ-AS1</b>	1.63723221577658
<b>AMDHD1</b>	1.85626240734354	<b>PRKCZ</b>	7.24769772985519
<b>EFEMP2</b>	1.85741191466432	<b>PROS1</b>	1.56289888461542
<b>COL15A1</b>	1.86146414291567	<b>PROSER2-AS1</b>	2.26815029861767
<b>APLN</b>	1.86210234286435	<b>PRR5L</b>	1.11133895587062
<b>NHLRC1</b>	1.86224648065617	<b>PRRX2</b>	2.06360640163891
<b>RP11-20J15.2</b>	1.86327463968435	<b>PRSS12</b>	1.39133381499623
<b>NTN1</b>	1.8636254910082	<b>PRTG</b>	2.12745009800158
<b>NPNT</b>	1.86504085387487	<b>PSAT1</b>	1.1460041079159
<b>ABHD4</b>	1.8652460593227	<b>PSEN1</b>	1.31530185413638
<b>AC074389.9</b>	1.8666952747684	<b>PSG1</b>	3.06570351976075
<b>PAQR6</b>	1.86674696130154	<b>PSG2</b>	1.68203745693017
<b>PPP1R3G</b>	1.87112055107534	<b>PSG3</b>	1.40949240387355
<b>NR4A1</b>	1.87211721810222	<b>PSG5</b>	3.03615934832742
<b>RHOB</b>	1.87221405350216	<b>PSG7</b>	1.4324347171439
<b>NINL</b>	1.8761177066405	<b>PSG9</b>	4.338851038294

<b>PGM2L1</b>	1.87632496363256	<b>PSMF1</b>	1.00855235020335
<b>HSPA2</b>	1.87799901056219	<b>PSORS1C1</b>	1.979962417656
<b>TNF</b>	1.87802309357792	<b>PSORS1C2</b>	1.05034522439339
<b>ACP2</b>	1.88024693114517	<b>PTCH1</b>	1.20063056535257
<b>CTA-941F9.9</b>	1.88586221984526	<b>PTCHD1</b>	4.78313118985851
<b>HS3ST1</b>	1.88592340080155	<b>PTGDS</b>	2.14362154293666
<b>CCRL2</b>	1.88626319084685	<b>PTGER2</b>	1.04927630110315
<b>C6orf58</b>	1.88719341581867	<b>PTGS1</b>	1.2409523788399
<b>WHAMMP2</b>	1.8872990921462	<b>PTGS2</b>	0.994174265543472
<b>WARS</b>	1.89109152959514	<b>PTPLA</b>	1.27411757188971
<b>DBNDD2</b>	1.8950210797722	<b>PTPN21</b>	1.08820995847084
<b>COLQ</b>	1.89626076839127	<b>PTPRA</b>	1.06763453601803
<b>THBD</b>	1.8963678659415	<b>PTPRJ</b>	1.73651533399221
<b>KHDRBS3</b>	1.89760887378774	<b>PTPRM</b>	1.52018734647288
<b>RP1-140K8.5</b>	1.89772511793862	<b>PTPRS</b>	2.96411407087933
<b>RILP</b>	1.90011940207623	<b>PTPRU</b>	3.45479821586529
<b>FRY</b>	1.90022375957416	<b>PVRL2</b>	1.13486859944409
<b>POU2F2</b>	1.90079137685957	<b>PXDNL</b>	1.23715650037396
<b>TMCC3</b>	1.90617700567083	<b>PYGO1</b>	1.14641968779158
<b>SPNS2</b>	1.9128110036653	<b>QPRT</b>	1.98719617673532
<b>PHLDB3</b>	1.91511760472663	<b>QRFPR</b>	1.52936562827465
<b>P2RX4</b>	1.91742757186926	<b>RAB11FIP4</b>	1.05487588824332
<b>NUDT7</b>	1.92090065421489	<b>RAB15</b>	1.16884572487364
<b>EGOT</b>	1.92234495929272	<b>RAB19</b>	3.7247583582687
<b>CYP27A1</b>	1.92304519067577	<b>RAB30</b>	1.17383474077361
<b>FAM110B</b>	1.92785277382743	<b>RAB32</b>	1.70516339945239
<b>LRFN3</b>	1.9280247062768	<b>RAB39B</b>	1.17238661211344
<b>KBTBD11</b>	1.93084109617641	<b>RAB3B</b>	1.35435454173831
<b>CCDC62</b>	1.93143491280157	<b>RAB3D</b>	2.53510225638029
<b>TBC1D12</b>	1.93158749368829	<b>RAB3IL1</b>	4.14092474883216
<b>DNASE2</b>	1.93194684456084	<b>RAB7L1</b>	1.19622999666521
<b>GBX2</b>	1.93231528105871	<b>RAG1</b>	1.3813483744709
<b>RP11-320G24.1</b>	1.93516859574348	<b>RALGAPA1</b>	1.65468054184864
<b>SNX18</b>	1.93775486823005	<b>RALGAPA2</b>	1.38088936521658
<b>SLFN5</b>	1.94004720029341	<b>RAP1GAP2</b>	2.04044626815812
<b>MEIS3P1</b>	1.94259729066746	<b>RAPGEF3</b>	1.78165626361346
<b>GPR37L1</b>	1.94712086816508	<b>RAPGEFL1</b>	1.08286026683829
<b>PRKAA2</b>	1.94852033313162	<b>RAPSN</b>	1.17648260825366
<b>TLCD1</b>	1.94887780349911	<b>RASAL1</b>	3.24240412350413
<b>SLC48A1</b>	1.94901595018604	<b>RASGRF1</b>	4.18769457168142
<b>CNTNAP1</b>	1.94922042942879	<b>RASGRP1</b>	1.25260697021242
<b>IGBP1</b>	1.95017590234382	<b>RASSF2</b>	2.68281911178081
<b>DNER</b>	1.9518992944105	<b>RBM43</b>	1.05280169272185
<b>FTH1P3</b>	1.95218943182489	<b>RCAN2</b>	3.75782565391272
<b>PPAP2B</b>	1.95352568739179	<b>RCOR2</b>	1.23691924317877
<b>LAMA1</b>	1.95556390466503	<b>REEP6</b>	1.39891012903791
<b>ATP8B1</b>	1.95575020408667	<b>RELN</b>	6.72123022284839
<b>CTGF</b>	1.95622571631007	<b>RENBP</b>	2.96989355358406
<b>TRIML2</b>	1.95928634031273	<b>REPS2</b>	2.99850440741846
<b>ZNF219</b>	1.95984903080565	<b>RGS10</b>	1.69716361722447

<b>DUSP4</b>	1.96085136670351	<b>RGS7</b>	3.29381846845593
<b>ABCA5</b>	1.96239422075551	<b>RGS9BP</b>	1.36023137760788
<b>ST6GAL2</b>	1.96307850896504	<b>RHEBL1</b>	1.0348527114952
<b>RP11-314N14.1</b>	1.96921481501541	<b>RHOB</b>	1.87221405350216
<b>NOXA1</b>	1.97036280054878	<b>RHPN1</b>	1.01419529339112
<b>TMEM136</b>	1.97086348022217	<b>RILP</b>	1.90011940207623
<b>SYNGR3</b>	1.9710543581313	<b>RIMKLA</b>	2.89691266824921
<b>ITGA4</b>	1.97193321766347	<b>RIMS1</b>	2.83622439600892
<b>CTD-2354A18.1</b>	1.97297793394872	<b>RIN3</b>	1.73480103109823
<b>LOXL1-AS1</b>	1.97337340203987	<b>RIOK3</b>	1.07386665446371
<b>PSORS1C1</b>	1.979962417656	<b>RLIM</b>	1.48986506364935
<b>SPRY4</b>	1.98122506848343	<b>RMND5B</b>	1.09070695382947
<b>PPFIBP2</b>	1.9824675477036	<b>RN7SL1</b>	1.01594310751923
<b>FAM20C</b>	1.98350404467315	<b>RN7SL3</b>	2.09635385355393
<b>NRXN2</b>	1.98391186624639	<b>RNF135</b>	1.16089054400324
<b>PRDM6</b>	1.9850361155667	<b>RNF141</b>	1.10409760148353
<b>MAL2</b>	1.98597043648025	<b>RNF144B</b>	2.3814433181113
<b>QPRT</b>	1.98719617673532	<b>RNF150</b>	1.5104911908086
<b>SLC25A27</b>	1.99210327125355	<b>RNF152</b>	1.29102622782135
<b>AKR1C7P</b>	1.992461933275	<b>RNF187</b>	1.06782837182807
<b>EPB41L4A</b>	1.99256633037288	<b>RNF214</b>	1.10599634984048
<b>FTH1P4</b>	1.99265436540226	<b>RNPEPL1</b>	1.01056686559473
<b>SERTAD4</b>	1.9926642394381	<b>ROBO1</b>	1.09715828417265
<b>NRG2</b>	1.99359441610025	<b>ROBO3</b>	1.73059342353352
<b>FOXRED2</b>	1.99655675490463	<b>ROBO4</b>	3.20268662838499
<b>YPEL1</b>	1.99744411413272	<b>RP11-1017G21.6</b>	8.66976129755603e-05
<b>EFNB1</b>	2.00699305736566	<b>RP11-1055B8.7</b>	1.39299399182231
<b>FOXN3-AS1</b>	2.00754326435062	<b>RP11-10C24.1</b>	1.13007109069459
<b>MFSD2B</b>	2.01198639437677	<b>RP11-112J1.3</b>	2.18006330284981
<b>FBXO6</b>	2.01287144023972	<b>RP11-115J23.1</b>	1.49582033714311
<b>CSF2RA</b>	2.01403851693208	<b>RP11-1166P10.1</b>	1.47991604219041
<b>CYP4V2</b>	2.01488586108798	<b>RP11-121M22.1</b>	1.02275562246653
<b>ANGPTL4</b>	2.01626235782978	<b>RP11-125B21.2</b>	1.16243301990035
<b>CTNS</b>	2.02004452949866	<b>RP11-137H2.6</b>	1.12930387766796
<b>CSPG4P11</b>	2.02442789819758	<b>RP11-150O12.3</b>	1.58248210117882
<b>RP11-496D24.2</b>	2.02507619546521	<b>RP11-157P1.4</b>	1.82811165113594
<b>CDA</b>	2.03387876666925	<b>RP11-159D12.2</b>	1.35700900155146
<b>NPR2</b>	2.03662095067629	<b>RP11-166D19.1</b>	1.01521202585118
<b>TRIM7</b>	2.03662189651695	<b>RP11-173M11.2</b>	1.18553596377542
<b>DEFB1</b>	2.03689893058552	<b>RP11-17M16.2</b>	1.47270736395638
<b>TMEM37</b>	2.03995792990733	<b>RP11-188P20.3</b>	1.0100020543043
<b>RAP1GAP2</b>	2.04044626815812	<b>RP11-191L9.4</b>	1.31178189124957
<b>CAPN5</b>	2.04093501687579	<b>RP11-20J15.2</b>	1.86327463968435
<b>RP11-640M9.1</b>	2.04463182175126	<b>RP11-24F11.2</b>	1.76914581612267
<b>AFAP1</b>	2.04818432813132	<b>RP11-255J3.2</b>	0.994017441690391
<b>ST6GALNAC5</b>	2.04952305576747	<b>RP11-25K19.1</b>	1.06589494929454
<b>FTH1P21</b>	2.04989565588389	<b>RP11-264B17.3</b>	1.12781628594758
<b>ZFYVE26</b>	2.05065258416851	<b>RP11-267D19.2</b>	3.22237069302789
<b>NKAIN4</b>	2.05788218700449	<b>RP11-288G3.4</b>	1.01017926991769
<b>PCDH10</b>	2.0595993396171	<b>RP11-293M10.6</b>	1.74604671773184

<b>AC002480.3</b>	2.05989215159104	<b>RP11-298I3.4</b>	2.555725094897
<b>PRRX2</b>	2.06360640163891	<b>RP11-299H21.1</b>	1.0036064651181
<b>C1orf226</b>	2.06540858137967	<b>RP11-314N14.1</b>	1.96921481501541
<b>GRIP1</b>	2.0720487759149	<b>RP11-320G24.1</b>	1.93516859574348
<b>ZC3H12A</b>	2.07332754151607	<b>RP11-332H14.1</b>	1.13830967146134
<b>CC2D2A</b>	2.07515685522653	<b>RP11-334A14.2</b>	1.07810943603518
<b>RP13-143G15.3</b>	2.07531532116313	<b>RP11-334C17.5</b>	2.73376821448351
<b>MERTK</b>	2.07969046675562	<b>RP11-336N8.2</b>	2.23489469093162
<b>UBE2L6</b>	2.08556682049085	<b>RP11-344E13.3</b>	2.51791383650547
<b>RP11-519G16.5</b>	2.08927403682053	<b>RP11-347C12.3</b>	1.07345300558532
<b>SLPI</b>	2.09062300936597	<b>RP11-347H15.2</b>	1.16105772794322
<b>TNFRSF11B</b>	2.09171556785754	<b>RP11-350J20.12</b>	1.36845252874145
<b>CDC42EP2</b>	2.0919868270803	<b>RP11-351I24.1</b>	1.25944497591917
<b>SYNGR1</b>	2.09228972796874	<b>RP11-353N4.4</b>	1.10706694700621
<b>VTCN1</b>	2.09345162981329	<b>RP11-356J5.12</b>	1.07292017209738
<b>CHRM4</b>	2.09481850988088	<b>RP11-357C3.3</b>	0.999806141424853
<b>D2HGDH</b>	2.0963438797301	<b>RP11-35G9.3</b>	1.70316529096735
<b>RN7SL3</b>	2.09635385355393	<b>RP11-362F19.1</b>	1.31298494670367
<b>F2RL1</b>	2.09718417710827	<b>RP11-366H4.1</b>	1.04470976168802
<b>CASP4</b>	2.09888854876317	<b>RP11-382M14.1</b>	2.99486324126384
<b>ZFP69</b>	2.10067281367249	<b>RP11-384O8.1</b>	1.28405591883907
<b>CTD-2207P18.2</b>	2.10515210690988	<b>RP11-403I13.8</b>	1.43047618243525
<b>CCL20</b>	2.10533914477054	<b>RP1-140K8.5</b>	1.89772511793862
<b>UAP1L1</b>	2.10850293319771	<b>RP11-417E7.1</b>	1.47807921398654
<b>MARCH4</b>	2.11382612941475	<b>RP11-420A23.1</b>	1.22313339606913
<b>LGALS1</b>	2.11408298251936	<b>RP11-423O2.5</b>	1.00303766038204
<b>TRPM2</b>	2.11575229869781	<b>RP11-445P17.8</b>	1.58794496767435
<b>TUBA8</b>	2.11832531344623	<b>RP11-472M19.2</b>	1.41944755150388
<b>ANK2</b>	2.11978065334844	<b>RP11-47I22.3</b>	1.15108037511341
<b>ACRC</b>	2.1252638424283	<b>RP11-492E3.2</b>	0.994134210265492
<b>PRTG</b>	2.12745009800158	<b>RP11-496D24.2</b>	2.02507619546521
<b>GSTA4</b>	2.1288309102894	<b>RP11-50E11.3</b>	1.03038294572385
<b>OGT</b>	2.12940827470207	<b>RP11-519G16.5</b>	2.08927403682053
<b>KCNJ12</b>	2.13455174750902	<b>RP11-521B24.3</b>	1.26668871831256
<b>CLUHP3</b>	2.13546036549683	<b>RP11-540A21.2</b>	2.57088123707848
<b>MPP7</b>	2.13744752248594	<b>RP11-554D15.1</b>	3.65047932933479
<b>FADS3</b>	2.14028535581916	<b>RP11-554D15.4</b>	1.78674162162897
<b>RP13-890H12.2</b>	2.14116154639645	<b>RP11-554I8.2</b>	1.55700274527408
<b>PTGDS</b>	2.14362154293666	<b>RP1-155D22.2</b>	2.35327129595373
<b>FTH1P15</b>	2.15579057656082	<b>RP11-561C5.4</b>	1.17668364130681
<b>MT1L</b>	2.16037247679907	<b>RP11-563J2.2</b>	1.09137718080299
<b>CD69</b>	2.16406462737125	<b>RP11-589N15.2</b>	1.09791176179845
<b>CEBPD</b>	2.16523506393367	<b>RP11-589P10.5</b>	1.08931590070873
<b>SLC43A1</b>	2.16680785646757	<b>RP11-640M9.1</b>	2.04463182175126
<b>AIFM3</b>	2.16822739803142	<b>RP11-641A6.9</b>	1.18338707098913
<b>DOK6</b>	2.16837660932042	<b>RP11-676J12.7</b>	3.53395003218741
<b>DISP2</b>	2.16935614388071	<b>RP11-693J15.3</b>	1.04557256467139
<b>RP11-112J1.3</b>	2.18006330284981	<b>RP11-695J4.2</b>	2.32171253071909
<b>LINC00607</b>	2.1808321463271	<b>RP11-697N18.1</b>	1.38210857865327
<b>C14orf132</b>	2.1873580423177	<b>RP11-697N18.3</b>	1.17414156859954

<b>PNPLA3</b>	2.18872695677175	<b>RP11-69G7.1</b>	1.30778791112602
<b>C20orf96</b>	2.19058724882305	<b>RP11-728B21.3</b>	1.1356406369115
<b>NEU1</b>	2.19345978582345	<b>RP11-783K16.14</b>	1.60609226377489
<b>SLC20A2</b>	2.19854221015212	<b>RP11-78C3.1</b>	5.66686404119822
<b>GALNT18</b>	2.20290308843114	<b>RP1-178F10.3</b>	1.24477190761443
<b>CTIF</b>	2.20297431370023	<b>RP11-79H23.3</b>	1.81149957928626
<b>GAD1</b>	2.21228962369987	<b>RP11-806O11.1</b>	1.26592417928975
<b>ITGA1</b>	2.21329217615986	<b>RP11-849F2.8</b>	1.46338366590276
<b>NPR1</b>	2.21352105137509	<b>RP11-867G23.8</b>	1.37353557119099
<b>AL589743.1</b>	2.21538118202951	<b>RP1-186E20.1</b>	2.46106626489421
<b>HRK</b>	2.21592531104127	<b>RP11-879F14.2</b>	1.56394978658389
<b>SYT16</b>	2.21619374602303	<b>RP11-907D1.2</b>	1.6876297957901
<b>NPC2</b>	2.21623558746186	<b>RP1-239B22.5</b>	1.17370299920282
<b>ELOVL4</b>	2.2168655834753	<b>RP1-261D10.1</b>	1.23963416536258
<b>ENO3</b>	2.21989785293906	<b>RP13-143G15.3</b>	2.07531532116313
<b>AC006273.5</b>	2.22511349284178	<b>RP13-143G15.4</b>	2.34070684324584
<b>RP11-336N8.2</b>	2.23489469093162	<b>RP13-580F15.2</b>	1.30367775793447
<b>TTC28</b>	2.24180335820021	<b>RP13-890H12.2</b>	2.14116154639645
<b>ALS2CL</b>	2.24271054469512	<b>RP13-977J11.5</b>	1.07176807257001
<b>STC2</b>	2.24405690667068	<b>RP3-368A4.5</b>	1.47837990250461
<b>YBX2</b>	2.24549205071541	<b>RP3-368A4.6</b>	1.03939165183252
<b>TMEM220</b>	2.24588910242064	<b>RP3-399L15.3</b>	1.55517726354599
<b>LL22NC03-N64E9.1</b>	2.24703534745113	<b>RP3-426I6.2</b>	1.11676932548913
<b>FAM177B</b>	2.24762858003471	<b>RP3-449M8.6</b>	1.22287290719192
<b>AHNAK2</b>	2.24996697500168	<b>RP4-555D20.4</b>	1.11952568221419
<b>GPR124</b>	2.25543788471701	<b>RP4-584D14.7</b>	1.63223243943053
<b>DPYSL2</b>	2.26516299671301	<b>RP4-800G7.2</b>	1.16063370528358
<b>PROSER2-AS1</b>	2.26815029861767	<b>RP5-864K19.4</b>	1.75983527318832
<b>POLN</b>	2.27099108965716	<b>RP5-874C20.3</b>	1.22558606994692
<b>CD177</b>	2.27173773134395	<b>RP6-206I17.1</b>	1.13193779927169
<b>SPTBN5</b>	2.2747358137381	<b>RPAIN</b>	1.24475768336247
<b>ADAM23</b>	2.27523687064012	<b>RPL29P19</b>	1.17526431213849
<b>AGAP2</b>	2.27755566957888	<b>RPS4X</b>	1.19759954083378
<b>SLC29A2</b>	2.2826324100248	<b>RPS4XP11</b>	1.08555890315133
<b>NYX</b>	2.2857176969772	<b>RPS4XP17</b>	1.63751204338727
<b>FAM83A</b>	2.29182436749804	<b>RPS4XP2</b>	1.21841230912689
<b>CYP2U1</b>	2.29716082997016	<b>RPS4XP3</b>	1.28520888725532
<b>AGA</b>	2.29878691918164	<b>RPS4XP7</b>	0.996179546200338
<b>NR3C2</b>	2.29969406743381	<b>RPS6KA2</b>	3.44920135881289
<b>ASS1P7</b>	2.30793983057575	<b>RRAGB</b>	1.62622456663396
<b>TPP1</b>	2.31076164910264	<b>RRAGC</b>	1.10690271894057
<b>TGM4</b>	2.31085193879391	<b>RRAGD</b>	6.84884272338266
<b>VAT1</b>	2.31578904077536	<b>RRAS2</b>	1.03331155406917
<b>GRN</b>	2.3196032472888	<b>RTBDN</b>	1.02360786924872
<b>SLC25A35</b>	2.32101705269332	<b>RTN3P1</b>	0.997925674731477
<b>RP11-695J4.2</b>	2.32171253071909	<b>RTN4R</b>	1.813797973637
<b>PLAG1</b>	2.32439828387504	<b>S100A2</b>	1.01629209463473
<b>LSR</b>	2.32734215693863	<b>SAA1</b>	5.1476112169884
<b>ARHGAP23</b>	2.33487947694496	<b>SAA2</b>	4.95555013073573
<b>MAP1LC3C</b>	2.33828344042949	<b>SAA2-SAA4</b>	1.5917295431447

<b>RP13-143G15.4</b>	2.34070684324584	<b>SAA4</b>	2.39883434996892
<b>STOX1</b>	2.3412857278602	<b>SAMD4A</b>	1.30137093797177
<b>IL6</b>	2.34393444262438	<b>SAMD5</b>	3.8349108238057
<b>ZSWIM5</b>	2.34562346353345	<b>SARDH</b>	5.41712980662145
<b>BAI2</b>	2.34637788038899	<b>SARM1</b>	2.89809071515233
<b>DOCK11</b>	2.34761305201497	<b>SARS</b>	1.11075055596246
<b>RP1-155D22.2</b>	2.35327129595373	<b>SAT2</b>	1.1174750934087
<b>MAP3K15</b>	2.35403238303129	<b>SAV1</b>	1.16938536157095
<b>GDA</b>	2.35677749057453	<b>SBF2</b>	1.05522203006584
<b>ST6GALNAC3</b>	2.35986722927355	<b>SBF2-AS1</b>	2.80008883502535
<b>DYSF</b>	2.37556845598745	<b>SC5D</b>	1.35538166475593
<b>CORO2A</b>	2.37926251043559	<b>SCAND2P</b>	1.50172393390848
<b>RNF144B</b>	2.3814433181113	<b>SCARNA9</b>	1.13567128669693
<b>ULBP1</b>	2.38179619741572	<b>SCD5</b>	5.90745455564008
<b>MOB3B</b>	2.3912982839137	<b>SCDP1</b>	1.10074467238361
<b>TK2</b>	2.39177006102569	<b>SCN5A</b>	2.64627160676572
<b>SAA4</b>	2.39883434996892	<b>SCN8A</b>	6.52670296467715
<b>APBB1</b>	2.39906815507191	<b>SCRN1</b>	1.20059682732534
<b>LRRC15</b>	2.40272603225294	<b>SDC2</b>	1.1963859602076
<b>MISP</b>	2.40317572584616	<b>SDCBP</b>	1.08794690628614
<b>NUP210</b>	2.40999846647116	<b>SDCBPP2</b>	1.25426655231412
<b>CTD-26009.1</b>	2.41299939900851	<b>SDCBPP3</b>	1.0401834634849
<b>MYO1D</b>	2.41694362784994	<b>SDK1</b>	2.5877219113644
<b>CXCL2</b>	2.42735482615941	<b>SDR39U1</b>	1.03238559668852
<b>FAM211A</b>	2.4291179432792	<b>SDR42E1</b>	1.55678460832432
<b>ELFN1</b>	2.43067551306806	<b>SEC31B</b>	1.10821764257083
<b>CHKA</b>	2.43533838046105	<b>SEL1L3</b>	1.27423164502459
<b>STX11</b>	2.43560580413222	<b>SELPLG</b>	2.67901061532958
<b>SIGLEC15</b>	2.4384322799256	<b>SEMA3E</b>	1.33535927669122
<b>C3</b>	2.4494934233583	<b>SEMA4A</b>	1.85505312821378
<b>CCAT1</b>	2.45777489217651	<b>SEMA6B</b>	1.15510833453903
<b>TMEM86A</b>	2.46064403184726	<b>SERGEF</b>	1.03354693160817
<b>RP1-186E20.1</b>	2.46106626489421	<b>SERPINB9</b>	1.47085929100876
<b>KLHDC8B</b>	2.46894125117696	<b>SERPINF1</b>	3.84787945223088
<b>CLEC4E</b>	2.47022125919594	<b>SERPING1</b>	2.87823125066161
<b>PCK2</b>	2.47602466076012	<b>SERPINH1</b>	1.52772040876775
<b>CHAC1</b>	2.47756011027816	<b>SERPINH1P1</b>	1.34985200185234
<b>C10orf11</b>	2.48477066342239	<b>SERTAD4</b>	1.9926642394381
<b>FRMD4A</b>	2.48919962149521	<b>SERTAD4-AS1</b>	1.30479595294085
<b>OGDHL</b>	2.50575598867261	<b>SETBP1</b>	1.82308401547788
<b>AFAP1L1</b>	2.51598974293074	<b>SFMBT2</b>	5.09818633657252
<b>GAB3</b>	2.51727094356457	<b>SFRP4</b>	1.0523094168912
<b>RP11-344E13.3</b>	2.51791383650547	<b>SFTA1P</b>	6.00099890817673
<b>LINC00857</b>	2.52817450091202	<b>SGK3</b>	1.44110164181282
<b>TM4SF19</b>	2.52881730732908	<b>SGPP2</b>	2.683717139847
<b>SIRPB1</b>	2.5288920458016	<b>SGSH</b>	2.96438628794589
<b>MMP17</b>	2.53323276209055	<b>SH2D2A</b>	4.16270211443079
<b>RAB3D</b>	2.53510225638029	<b>SH3D19</b>	1.17327600282437
<b>TP53I3</b>	2.54000479026498	<b>SH3GL2</b>	1.50332308981409
<b>KRT34</b>	2.54151591569985	<b>SH3GLB2</b>	1.12210067639868

<b>OSCAR</b>	2.55512814252361	<b>SH3PXD2A</b>	1.05271898573303
<b>RP11-298I3.4</b>	2.555725094897	<b>SHBG</b>	1.39997101347838
<b>C3orf55</b>	2.55846294426997	<b>SHF</b>	1.80356209656383
<b>DTX4</b>	2.56040748776873	<b>SHH</b>	1.0329762780939
<b>MIR146A</b>	2.56292799300193	<b>SHISA4</b>	1.01134561594778
<b>AP000525.9</b>	2.56360080011318	<b>SHISA9</b>	3.71173029597449
<b>NCOR1P3</b>	2.56450169247178	<b>SIGLEC15</b>	2.4384322799256
<b>LOX</b>	2.56825184723752	<b>SIPA1</b>	1.21407923020374
<b>TIAM2</b>	2.57008590508169	<b>SIRPAP1</b>	1.05546846493371
<b>RP11-540A21.2</b>	2.57088123707848	<b>SIRPB1</b>	2.5288920458016
<b>PRKCQ</b>	2.57649792494284	<b>SIX1</b>	1.44800966797551
<b>IGFBP5</b>	2.58365799425137	<b>SLAIN1</b>	3.51994133456541
<b>UPP1</b>	2.5852648714534	<b>SLC15A3</b>	3.61179495128138
<b>SDK1</b>	2.5877219113644	<b>SLC16A13</b>	3.31875689955274
<b>SORT1</b>	2.59091765901313	<b>SLC16A2</b>	1.44384524551161
<b>NEURL3</b>	2.59140425178687	<b>SLC17A5</b>	1.0697130566622
<b>AC002480.4</b>	2.60361288154492	<b>SLC18B1</b>	1.47002277917964
<b>LGR4</b>	2.61090713287462	<b>SLC19A3</b>	1.36907771438887
<b>OPHN1</b>	2.61109466606879	<b>SLC20A2</b>	2.19854221015212
<b>TNFRSF14</b>	2.63376641006314	<b>SLC22A15</b>	1.22881260827698
<b>ADRB2</b>	2.64495715198614	<b>SLC22A18</b>	1.17663306835604
<b>SCN5A</b>	2.64627160676572	<b>SLC22A5</b>	1.00700924086602
<b>ARMC4</b>	2.64692255520974	<b>SLC25A27</b>	1.99210327125355
<b>PHF21B</b>	2.64865628545113	<b>SLC25A35</b>	2.32101705269332
<b>FBLIM1</b>	2.65197940806171	<b>SLC25A37</b>	1.83506761399536
<b>DBNDD1</b>	2.65656650593843	<b>SLC25A4</b>	1.35119230275908
<b>C6orf223</b>	2.65781961776061	<b>SLC26A11</b>	2.6590897976616
<b>SLC26A11</b>	2.6590897976616	<b>SLC27A3</b>	1.65079788386947
<b>HMGA1P1</b>	2.66192941493438	<b>SLC29A2</b>	2.2826324100248
<b>PLA2G4A</b>	2.66305603821505	<b>SLC2A12</b>	1.54850787887593
<b>ETHE1</b>	2.6636822433563	<b>SLC36A1</b>	1.23271042482359
<b>ANTXR1</b>	2.66418989095581	<b>SLC37A1</b>	3.00181216325429
<b>SLC4A8</b>	2.66592872153469	<b>SLC37A2</b>	1.59739419607546
<b>TNIP3</b>	2.66722797312797	<b>SLC38A5</b>	6.80472298485663
<b>MATN3</b>	2.6685682147261	<b>SLC41A2</b>	1.04671311634716
<b>AC079776.2</b>	2.67250010787592	<b>SLC43A1</b>	2.16680785646757
<b>KLHL24</b>	2.67330601682424	<b>SLC46A3</b>	1.11466438727504
<b>SELPLG</b>	2.67901061532958	<b>SLC48A1</b>	1.94901595018604
<b>CXCL5</b>	2.67962104053309	<b>SLC4A11</b>	3.76573987387841
<b>RASSF2</b>	2.68281911178081	<b>SLC4A8</b>	2.66592872153469
<b>SGPP2</b>	2.683717139847	<b>SLC50A1</b>	1.2522148448642
<b>ABI3</b>	2.69001160482816	<b>SLC7A11</b>	1.25189574105625
<b>PIK3R6</b>	2.69077223879794	<b>SLC8B1</b>	1.34954769151749
<b>JPH1</b>	2.70022053103649	<b>SLC9A2</b>	2.75999009915477
<b>DISC1</b>	2.70294393834434	<b>SLC9A3R2</b>	3.22154681482933
<b>HMGA1P8</b>	2.71331267517153	<b>SLC02B1</b>	7.2172424613676
<b>APBA1</b>	2.72920849768198	<b>SLC03A1</b>	1.13608209512504
<b>RP11-334C17.5</b>	2.73376821448351	<b>SLC04C1</b>	1.19210246345635
<b>FBLN7</b>	2.73481517284799	<b>SLFN12</b>	1.21684062553622
<b>ADAMTS10</b>	2.73988653564351	<b>SLFN5</b>	1.94004720029341



<b>SNAPC1</b>	2.74642811080503	<b>SLPI</b>	2.09062300936597
<b>SLC9A2</b>	2.75999009915477	<b>SMCR8</b>	1.20348944988667
<b>ALOX5</b>	2.77760594399539	<b>SMPDL3B</b>	1.19413525269151
<b>KCTD14</b>	2.77772808838426	<b>SMTNL2</b>	5.58267807888172
<b>VGLL3</b>	2.78042198021127	<b>SNAPC1</b>	2.74642811080503
<b>GDF15</b>	2.78555767527966	<b>SNN</b>	1.66628549706769
<b>CTD-2291D10.4</b>	2.79848441034443	<b>SNPH</b>	1.26879918207503
<b>DAB2IP</b>	2.79976004775897	<b>SNX12</b>	1.5210892909496
<b>LINC00521</b>	2.80008623961866	<b>SNX18</b>	1.93775486823005
<b>SBF2-AS1</b>	2.80008883502535	<b>SNX18P7</b>	1.6844540102598
<b>TRERF1</b>	2.80547206629526	<b>SNX24</b>	1.30545566673341
<b>IQCD</b>	2.80604637862498	<b>SNX25P1</b>	1.11344075356025
<b>FTH1P12</b>	2.8146922724261	<b>SNX8</b>	1.30123281377534
<b>WASF3</b>	2.82278653612841	<b>SOBP</b>	1.1027741916231
<b>CTD-2081K17.2</b>	2.82670326191147	<b>SOCS2</b>	1.34103075644314
<b>ATP8B2</b>	2.82786163782445	<b>SOCS2-AS1</b>	1.22375215617649
<b>OR12D2</b>	2.82911927011026	<b>SOD2</b>	3.07144112684507
<b>VASH1</b>	2.83266713126666	<b>SORCS2</b>	3.73372293020151
<b>RIMS1</b>	2.83622439600892	<b>SORL1</b>	4.83913725943574
<b>FTH1P1</b>	2.84544409607425	<b>SORT1</b>	2.59091765901313
<b>KSR1</b>	2.84666633823723	<b>SOS2</b>	1.26838417758949
<b>CTHRC1</b>	2.84984772704275	<b>SOWAHD</b>	3.481201371877
<b>KCNQ4</b>	2.85060118725657	<b>SOX13</b>	1.65491667349807
<b>WLS</b>	2.8609446873065	<b>SP140</b>	1.2648057500078
<b>HERC5</b>	2.86118478613672	<b>SP9</b>	1.23362359211507
<b>JDP2</b>	2.86800630469048	<b>SPIRE1</b>	1.05232264247794
<b>CHN1</b>	2.87150745397445	<b>SPIRE2</b>	1.09267044867018
<b>PHACTR1</b>	2.87410787294982	<b>SPNS1</b>	1.14031959783557
<b>SERPING1</b>	2.87823125066161	<b>SPNS2</b>	1.9128110036653
<b>MMP15</b>	2.88706982555748	<b>SPNS3</b>	1.11579741269817
<b>B4GALNT2</b>	2.88916260698976	<b>SPOCK2</b>	1.22192596696066
<b>MTMR9LP</b>	2.89196184425077	<b>SPRY1</b>	1.21763784574354
<b>RIMKLA</b>	2.89691266824921	<b>SPRY4</b>	1.98122506848343
<b>SARM1</b>	2.89809071515233	<b>SPTBN5</b>	2.2747358137381
<b>OSBPL1A</b>	2.90233778837991	<b>SQRDL</b>	1.29122923751408
<b>KIF6</b>	2.90542056291763	<b>SRR</b>	1.37203822620812
<b>HMOX1</b>	2.91342095782481	<b>SSC5D</b>	1.09816105676452
<b>FAIM3</b>	2.91679913066206	<b>ST14</b>	1.34537887966399
<b>C4BPB</b>	2.91900512391784	<b>ST3GAL1</b>	1.77891982568377
<b>FYN</b>	2.92048367211362	<b>ST5</b>	1.04390638420169
<b>NELL2</b>	2.92288101388655	<b>ST6GAL2</b>	1.96307850896504
<b>CPNE7</b>	2.92535316257024	<b>ST6GALNAC3</b>	2.35986722927355
<b>IL31RA</b>	2.93084710181865	<b>ST6GALNAC5</b>	2.04952305576747
<b>FAM213A</b>	2.94074431042862	<b>STAT1</b>	1.31097591589536
<b>PLEKHA7</b>	2.95081202087046	<b>STAT5A</b>	3.03446351069232
<b>PTPRS</b>	2.96411407087933	<b>STC2</b>	2.24405690667068
<b>SGSH</b>	2.96438628794589	<b>STEAP1B</b>	1.12546056762322
<b>IGFBP4</b>	2.96966205237471	<b>STK10</b>	1.0106010656504
<b>RENBP</b>	2.96989355358406	<b>STK33</b>	1.64946536560748
<b>C11orf45</b>	2.97273320186442	<b>STOML1</b>	1.00496316504475

<b>CRYAB</b>	2.98435311947201	<b>STOX1</b>	2.3412857278602
<b>RP11-382M14.1</b>	2.99486324126384	<b>STOX2</b>	1.76158438726908
<b>REPS2</b>	2.99850440741846	<b>STS</b>	1.08249122014162
<b>FTH1P23</b>	3.00156053900226	<b>STX11</b>	2.43560580413222
<b>SLC37A1</b>	3.00181216325429	<b>STX3</b>	1.09042983290725
<b>DOC2A</b>	3.01166249038641	<b>STX7</b>	1.22747123086643
<b>DACH1</b>	3.02833858114756	<b>STX8</b>	1.08034155256268
<b>FTH1P20</b>	3.03271781422315	<b>SUGCT</b>	1.01393138086949
<b>STAT5A</b>	3.03446351069232	<b>SULF2</b>	3.54678388209233
<b>PSG5</b>	3.03615934832742	<b>SULT2B1</b>	1.10302094536194
<b>KRT7</b>	3.03675476312849	<b>SUMF1</b>	1.10445315433143
<b>CCDC69</b>	3.0400371826091	<b>SUMF2</b>	1.18347977508018
<b>GDAP1</b>	3.04666964555228	<b>SUN3</b>	5.26646946429176
<b>TLL2</b>	3.05787866606945	<b>SUPT3H</b>	1.11691440810251
<b>TNFSF12</b>	3.06317078833104	<b>SUSD1</b>	1.36122284549349
<b>DNM1P47</b>	3.06379518772483	<b>SVIL</b>	1.62078906176342
<b>PSG1</b>	3.06570351976075	<b>SVILP1</b>	1.17809743428585
<b>PNMA2</b>	3.06621012656119	<b>SWAP70</b>	1.09676608167187
<b>SOD2</b>	3.07144112684507	<b>SYNE2</b>	1.18321176534638
<b>IL27RA</b>	3.08312633263045	<b>SYNGR1</b>	2.09228972796874
<b>LIPC</b>	3.0855341091243	<b>SYNGR3</b>	1.9710543581313
<b>OBSCN</b>	3.11070272404768	<b>SYNJ2BP</b>	1.16052382185627
<b>CHRD1</b>	3.12477836743783	<b>SYT1</b>	1.37172343516149
<b>TP53I11</b>	3.12593396131651	<b>SYT12</b>	3.66444240696274
<b>PLA2G16</b>	3.13123645747181	<b>SYT16</b>	2.21619374602303
<b>EFNA1</b>	3.13356954453691	<b>SYT17</b>	4.34512208415688
<b>NR0B1</b>	3.13544543653425	<b>SYTL2</b>	1.20594014907728
<b>MKX</b>	3.13969811866897	<b>SYTL4</b>	1.40007716435012
<b>ASS1P1</b>	3.18369880751136	<b>TAF1</b>	1.20036305759223
<b>UNC5B</b>	3.18812861957968	<b>TAF10</b>	1.05993566801714
<b>FTH1P16</b>	3.18863397309095	<b>TAGLN</b>	3.56476203950709
<b>ROBO4</b>	3.20268662838499	<b>TAGLN3</b>	1.48712774824712
<b>FTH1P10</b>	3.20523293537001	<b>TAX1BP3</b>	1.19967047739433
<b>LAMA5</b>	3.20679234833955	<b>TBC1D12</b>	1.93158749368829
<b>NME4</b>	3.20875287127741	<b>TBC1D2B</b>	1.213606014898
<b>GNGT2</b>	3.21094439725131	<b>TBC1D30</b>	1.49924296295562
<b>PCSK9</b>	3.21471985846448	<b>TBC1D8</b>	1.39912924287394
<b>SLC9A3R2</b>	3.22154681482933	<b>TBCEL</b>	1.02800835174646
<b>RP11-267D19.2</b>	3.22237069302789	<b>TBXA2R</b>	1.09530495318826
<b>FTH1</b>	3.23924433843859	<b>TCEAL4</b>	1.58244158302031
<b>TMEM171</b>	3.23985294015142	<b>TCF7L1</b>	4.06302509105835
<b>RASAL1</b>	3.24240412350413	<b>TCF7L2</b>	1.39878916748978
<b>KRT81</b>	3.2474427683037	<b>TCIRG1</b>	1.38499868781292
<b>B3GNT7</b>	3.25848156770761	<b>TCN2</b>	1.6645406053025
<b>ANKRD6</b>	3.2620401177896	<b>TCP11L1</b>	1.12263452260471
<b>FTH1P5</b>	3.26468741312218	<b>TDRKH</b>	1.08149503910284
<b>GPRC5C</b>	3.26937536624383	<b>TECPR2</b>	1.14252908607729
<b>NID2</b>	3.28476824641945	<b>TECTA</b>	1.10138121501123
<b>FTH1P7</b>	3.28995152966446	<b>TENM4</b>	1.4888097555716
<b>RGS7</b>	3.29381846845593	<b>TEP1</b>	1.01872411648767

<b>FTH1P8</b>	3.29665770206668	<b>TET1</b>	1.55671662412873
<b>CLGN</b>	3.2973614295544	<b>TEX22</b>	1.55931027167223
<b>FUT1</b>	3.31191775960812	<b>TFAP2A</b>	3.4368581638213
<b>SLC16A13</b>	3.31875689955274	<b>TFAP2A-AS1</b>	1.11251442015211
<b>CFB</b>	3.33441924898787	<b>TFAP2C</b>	4.81150189722886
<b>FTH1P2</b>	3.34198370242175	<b>TFR2</b>	4.49922325605346
<b>GPBR1</b>	3.34384329726789	<b>TGFBR3</b>	1.04334522653142
<b>MGAT4C</b>	3.34868543714253	<b>TGM4</b>	2.31085193879391
<b>KIAA1211</b>	3.35044279722165	<b>THAP8</b>	1.10313899633272
<b>FTH1P11</b>	3.36927009668747	<b>THBD</b>	1.8963678659415
<b>PLA2G4C</b>	3.3966536948633	<b>THBS3</b>	1.18728497171184
<b>PAPPA</b>	3.39964024540629	<b>THOC6</b>	1.24574889080332
<b>TNK1</b>	3.40308466077555	<b>THTPA</b>	1.12608625900463
<b>LTBP2</b>	3.42170453306095	<b>THY1</b>	1.56902222823076
<b>GALNT12</b>	3.43512851551324	<b>THYN1</b>	1.79069722581682
<b>TFAP2A</b>	3.4368581638213	<b>TIAM2</b>	2.57008590508169
<b>WDR66</b>	3.44868924224187	<b>TIGD3</b>	1.09193143292776
<b>RPS6KA2</b>	3.44920135881289	<b>TIMM10B</b>	0.991520672653167
<b>OPLAH</b>	3.45424317226391	<b>TIMP4</b>	4.35769186797208
<b>PTPRU</b>	3.45479821586529	<b>TINF2</b>	1.0841248521181
<b>DLK2</b>	3.46961489619172	<b>TK2</b>	2.39177006102569
<b>SOWAHD</b>	3.481201371877	<b>TLCD1</b>	1.94887780349911
<b>CTD-2314B22.3</b>	3.48796046017116	<b>TLCD2</b>	1.58590922105188
<b>CDKN1C</b>	3.49114499986083	<b>TLE2</b>	1.32339923123905
<b>LAMA2</b>	3.4974409378906	<b>TLL2</b>	3.05787866606945
<b>LMO2</b>	3.4989580463916	<b>TLR1</b>	1.06766559959825
<b>SLAIN1</b>	3.51994133456541	<b>TLR2</b>	5.07476393860391
<b>RP11-676J12.7</b>	3.53395003218741	<b>TM4SF19</b>	2.52881730732908
<b>FGF18</b>	3.54588216304479	<b>TMCC2</b>	1.68412314481929
<b>SULF2</b>	3.54678388209233	<b>TMCC3</b>	1.90617700567083
<b>MAGEB2</b>	3.55087584340967	<b>TMEM130</b>	5.1803441124497
<b>AC124789.1</b>	3.55651999693537	<b>TMEM134</b>	1.41419675524408
<b>TAGLN</b>	3.56476203950709	<b>TMEM136</b>	1.97086348022217
<b>HMGA1P2</b>	3.582655601982	<b>TMEM159</b>	1.27959495182912
<b>AL109763.2</b>	3.59268910755931	<b>TMEM170B</b>	1.19633056677554
<b>EBI3</b>	3.60138014169525	<b>TMEM171</b>	3.23985294015142
<b>GSTO2</b>	3.60526869374795	<b>TMEM179B</b>	1.2090171023869
<b>SLC15A3</b>	3.61179495128138	<b>TMEM194B</b>	1.28804139580535
<b>ASS1P11</b>	3.62129462229199	<b>TMEM220</b>	2.24588910242064
<b>ALDH1L2</b>	3.62408755726248	<b>TMEM255B</b>	3.73597599409345
<b>LCP1</b>	3.63531474502358	<b>TMEM256</b>	1.1586040830523
<b>PIP5KL1</b>	3.64519556654239	<b>TMEM256-PLSCR3</b>	1.22145616762958
<b>RP11-554D15.1</b>	3.65047932933479	<b>TMEM37</b>	2.03995792990733
<b>SYT12</b>	3.66444240696274	<b>TMEM38A</b>	1.05570927931502
<b>LINC00355</b>	3.66641822921016	<b>TMEM40</b>	6.20433328037269
<b>JPH2</b>	3.66900712055258	<b>TMEM42</b>	1.05559351784
<b>AC006262.6</b>	3.67471254615386	<b>TMEM47</b>	1.60959686283509
<b>C10orf54</b>	3.67720923192899	<b>TMEM55B</b>	1.74971627982112
<b>KCNK3</b>	3.69680341308939	<b>TMEM86A</b>	2.46064403184726
<b>CYGB</b>	3.70891814627149	<b>TMEM98</b>	4.44307428273568

<b>SHISA9</b>	3.71173029597449	<b>TMIE</b>	3.90416155258881
<b>NXPH4</b>	3.7240514128326	<b>TNF</b>	1.87802309357792
<b>RAB19</b>	3.7247583582687	<b>TNFAIP2</b>	1.27804547094351
<b>SORCS2</b>	3.73372293020151	<b>TNFAIP3</b>	1.58764064108089
<b>ZNF362</b>	3.73574316783607	<b>TNFRSF11B</b>	2.09171556785754
<b>TMEM255B</b>	3.73597599409345	<b>TNFRSF14</b>	2.63376641006314
<b>EPHB1</b>	3.7427207749738	<b>TNFSF12</b>	3.06317078833104
<b>RCAN2</b>	3.75782565391272	<b>TNFSF13</b>	1.12854404562146
<b>SLC4A11</b>	3.76573987387841	<b>TNIP3</b>	2.66722797312797
<b>COL12A1</b>	3.76999867535316	<b>TNK1</b>	3.40308466077555
<b>COL9A2</b>	3.78110288527727	<b>TNRC6C</b>	1.33831704029556
<b>PPAP2C</b>	3.78234788836011	<b>TOB2P1</b>	1.07592914367244
<b>ACSS1</b>	3.78262538710588	<b>TOM1</b>	1.03746539256035
<b>ASS1P9</b>	3.79834382322607	<b>TOX</b>	1.26950178987726
<b>HOXA7</b>	3.8014296847888	<b>TP53</b>	1.31812543730719
<b>VSTM1</b>	3.80530797820355	<b>TP53I11</b>	3.12593396131651
<b>XK</b>	3.81400805464297	<b>TP53I3</b>	2.54000479026498
<b>PLBD1</b>	3.83216926163726	<b>TP53INP2</b>	1.3950620702499
<b>SAMD5</b>	3.8349108238057	<b>TPP1</b>	2.31076164910264
<b>HMHA1</b>	3.84460970753989	<b>TRAF5</b>	1.59512655309298
<b>C8orf47</b>	3.84631571186332	<b>TRAF6</b>	1.13434846535764
<b>SERPINF1</b>	3.84787945223088	<b>TRANK1</b>	1.55324862867134
<b>ACSS3</b>	3.84813195083771	<b>TRERF1</b>	2.80547206629526
<b>CDHR1</b>	3.85068826088668	<b>TRIB1</b>	1.45974119897162
<b>NAT8L</b>	3.88330185926872	<b>TRIB2</b>	1.003974333023
<b>NOG</b>	3.88467455843557	<b>TRIM21</b>	1.31973894010789
<b>TMIE</b>	3.90416155258881	<b>TRIM29</b>	1.48711810147177
<b>ALOX5AP</b>	3.91891911048729	<b>TRIM45</b>	1.13135731885679
<b>HIF1A</b>	3.92555009707969	<b>TRIM69</b>	1.06638476966666
<b>ANKRD2</b>	3.92785449790637	<b>TRIM7</b>	2.03662189651695
<b>ETNK2</b>	3.98599035719181	<b>TRIML2</b>	1.95928634031273
<b>FAM43A</b>	3.98644568391338	<b>TRPM2</b>	2.11575229869781
<b>AC006262.5</b>	3.98691914997494	<b>TSNARE1</b>	1.22838727683773
<b>C4orf19</b>	4.01145778076618	<b>TSPAN18</b>	6.23557193702169
<b>ASS1</b>	4.01205114240482	<b>TSPAN2</b>	1.28021595937249
<b>HMGA1P3</b>	4.0136424377817	<b>TSPYL2</b>	1.08842760007413
<b>FAM83G</b>	4.03365591218685	<b>TTC28</b>	2.24180335820021
<b>MARK1</b>	4.04360030855694	<b>TTC39B</b>	1.0449319526285
<b>PCDH1</b>	4.05339103392783	<b>TTC9</b>	1.32038847897336
<b>TCF7L1</b>	4.06302509105835	<b>TTLL3</b>	1.4784591455382
<b>CST6</b>	4.07228854802934	<b>TUBA8</b>	2.11832531344623
<b>C15orf62</b>	4.09760930392519	<b>TUBAL3</b>	1.72743496552435
<b>ACP5</b>	4.10206791905833	<b>TUBE1</b>	1.19321941840839
<b>PCDH20</b>	4.11250068814852	<b>TWF2</b>	1.35128704539645
<b>PLXNA2</b>	4.11346915095832	<b>U91319.1</b>	1.84276063388862
<b>FBN1</b>	4.1152566702651	<b>UAP1L1</b>	2.10850293319771
<b>RAB3IL1</b>	4.14092474883216	<b>UBBP4</b>	1.83339892531479
<b>INHBE</b>	4.14781039153648	<b>UBE2L6</b>	2.08556682049085
<b>MYO7A</b>	4.15475933827725	<b>UBE2Q2P1</b>	1.37615786733878
<b>SH2D2A</b>	4.16270211443079	<b>UBTD2</b>	1.2217384810082

<b>RASGRF1</b>	4.18769457168142	<b>UBXN1</b>	0.994443958293373
<b>N4BP3</b>	4.20194029244529	<b>UBXN2B</b>	1.23297345142604
<b>NUPR1</b>	4.23627586558843	<b>UCA1</b>	1.2878191023775
<b>ZNF716</b>	4.25329099756663	<b>UCP2</b>	1.67129490435584
<b>MCOLN3</b>	4.27245506171112	<b>UFSP2</b>	1.81246106599487
<b>FAM19A2</b>	4.31118980247868	<b>UHRF1BP1</b>	1.22545985717406
<b>C6orf132</b>	4.33404217320583	<b>ULBP1</b>	2.38179619741572
<b>PSG9</b>	4.338851038294	<b>ULK2</b>	1.33786948653791
<b>FEZ1</b>	4.34232137358706	<b>UNC13A</b>	1.63565685113596
<b>SYT17</b>	4.34512208415688	<b>UNC13D</b>	5.66978366567631
<b>TIMP4</b>	4.35769186797208	<b>UNC5A</b>	1.02415315246796
<b>MYH14</b>	4.39563976003861	<b>UNC5B</b>	3.18812861957968
<b>MEIS3</b>	4.42113513228702	<b>UPP1</b>	2.5852648714534
<b>FAM189A2</b>	4.43067576407977	<b>UPRT</b>	1.3966122745902
<b>TMEM98</b>	4.44307428273568	<b>UQCRFS1P1</b>	1.45608550956448
<b>HMGA1</b>	4.46207416108908	<b>USP28</b>	1.01931899991677
<b>CXCL16</b>	4.46918767544405	<b>UVRAG</b>	1.0716858164718
<b>TFR2</b>	4.49922325605346	<b>UXS1</b>	1.66943266680778
<b>PIK3IP1</b>	4.52405039846925	<b>VASH1</b>	2.83266713126666
<b>COL4A4</b>	4.55855852036949	<b>VAT1</b>	2.31578904077536
<b>GNG4</b>	4.68992306057533	<b>VEGFB</b>	1.26046569589504
<b>LY6K</b>	4.76004932962275	<b>VGLL3</b>	2.78042198021127
<b>PTCHD1</b>	4.78313118985851	<b>VIPAS39</b>	1.03154640978448
<b>TFAP2C</b>	4.81150189722886	<b>VNN1</b>	1.72858246341975
<b>SORL1</b>	4.83913725943574	<b>VPS13B</b>	1.72406061868564
<b>CYP24A1</b>	4.84899137030484	<b>VPS13C</b>	1.11719319483459
<b>MMP1</b>	4.87621795797021	<b>VPS26B</b>	1.1375757619909
<b>ADRBK2</b>	4.90188590009152	<b>VPS41</b>	1.14096116689098
<b>POU3F3</b>	4.93900728628492	<b>VSTM1</b>	3.80530797820355
<b>WTIP</b>	4.95450381933551	<b>VTCN1</b>	2.09345162981329
<b>SAA2</b>	4.95555013073573	<b>WARS</b>	1.89109152959514
<b>CRISPLD1</b>	4.99753175258899	<b>WASF3</b>	2.82278653612841
<b>IGFBP2</b>	5.00269310594521	<b>WBP1L</b>	1.08856569900375
<b>HCN4</b>	5.01937175787624	<b>WDR25</b>	1.01392564649699
<b>PDE3B</b>	5.05539824734231	<b>WDR45</b>	1.1302776365611
<b>FRAS1</b>	5.0725161955531	<b>WDR66</b>	3.44868924224187
<b>TLR2</b>	5.07476393860391	<b>WDR81</b>	1.51768117228239
<b>EPN2</b>	5.08433419009775	<b>WHAMMP2</b>	1.8872990921462
<b>SFMBT2</b>	5.09818633657252	<b>WLS</b>	2.8609446873065
<b>CELF2</b>	5.10818297413556	<b>WNT5A</b>	1.56115220206361
<b>LIMCH1</b>	5.10852091572275	<b>WNT5B</b>	6.72658512778995
<b>SAA1</b>	5.1476112169884	<b>WTIP</b>	4.95450381933551
<b>FBLN1</b>	5.16245962212002	<b>WWC1</b>	1.230521954454
<b>TMEM130</b>	5.1803441124497	<b>WWC2</b>	1.55885530394105
<b>ARL10</b>	5.20582857556194	<b>WWC2-AS2</b>	1.28422734283665
<b>FCGRT</b>	5.22356771872667	<b>XDH</b>	1.18223789281369
<b>EFHD1</b>	5.2443992014501	<b>XK</b>	3.81400805464297
<b>SUN3</b>	5.26646946429176	<b>XKR6</b>	1.08607154700227
<b>PDPN</b>	5.26683031638475	<b>XPA</b>	1.0256412104174
<b>INPP4B</b>	5.32514935524869	<b>XXYLT1</b>	1.18738899752381

<b>AJAP1</b>	5.33316695028154	<b>YAP1</b>	1.03891667504642
<b>H1FO</b>	5.41271713675675	<b>YBX2</b>	2.24549205071541
<b>SARDH</b>	5.41712980662145	<b>YIPF6</b>	1.18016531945292
<b>PLCG2</b>	5.43273328576454	<b>YPEL1</b>	1.99744411413272
<b>L1CAM</b>	5.44724645498087	<b>YPEL2</b>	1.24888683522722
<b>AUTS2</b>	5.4617882514394	<b>YWHAEP7</b>	1.22716408482369
<b>SMTNL2</b>	5.58267807888172	<b>ZBED3</b>	1.29736807444459
<b>PLAT</b>	5.59207552101742	<b>ZBTB42</b>	1.13947638467751
<b>ADAM28</b>	5.62887323139791	<b>ZBTB44</b>	1.59056084970358
<b>MLPH</b>	5.64399111992244	<b>ZBTB47</b>	1.75524846061221
<b>FLT1</b>	5.64609095726749	<b>ZC3H12A</b>	2.07332754151607
<b>RP11-78C3.1</b>	5.66686404119822	<b>ZC3H12C</b>	1.4796115457883
<b>UNC13D</b>	5.66978366567631	<b>ZCCHC3</b>	1.01449386058585
<b>CXADR</b>	5.67246847491765	<b>ZFAND4</b>	1.11299063413705
<b>DBH-AS1</b>	5.79718264462241	<b>ZFHX2</b>	1.81957673696616
<b>FAM189A1</b>	5.88988075045464	<b>ZFP69</b>	2.10067281367249
<b>SCD5</b>	5.90745455564008	<b>ZFYVE1</b>	1.80627588984069
<b>SFTA1P</b>	6.00099890817673	<b>ZFYVE26</b>	2.05065258416851
<b>ERVMER34-1</b>	6.14038411232516	<b>ZMYM3</b>	1.03038784316281
<b>CTD-2319I12.1</b>	6.14249677759424	<b>ZNF114</b>	6.8885657355176
<b>COLEC10</b>	6.1912133493769	<b>ZNF133</b>	1.0220273827466
<b>TMEM40</b>	6.20433328037269	<b>ZNF18</b>	1.01336370221298
<b>TSPAN18</b>	6.23557193702169	<b>ZNF219</b>	1.95984903080565
<b>KRT17</b>	6.37571446125045	<b>ZNF234</b>	1.45267552812507
<b>CXCL12</b>	6.42542060450465	<b>ZNF235</b>	1.72896877574897
<b>LPL</b>	6.46298655251002	<b>ZNF271</b>	8.3587556301859e-05
<b>SCN8A</b>	6.52670296467715	<b>ZNF285</b>	1.129950067004
<b>IGDCC4</b>	6.62539442876845	<b>ZNF318</b>	1.72729905535431
<b>ENG</b>	6.68359111464656	<b>ZNF319</b>	1.38152148421988
<b>RELN</b>	6.72123022284839	<b>ZNF362</b>	3.73574316783607
<b>WNT5B</b>	6.72658512778995	<b>ZNF385B</b>	1.15419725276554
<b>SLC38A5</b>	6.80472298485663	<b>ZNF396</b>	1.2767135645391
<b>RRAGD</b>	6.84884272338266	<b>ZNF408</b>	1.07494676905128
<b>ZNF114</b>	6.8885657355176	<b>ZNF48</b>	1.05292342723564
<b>SLCO2B1</b>	7.2172424613676	<b>ZNF492</b>	1.36289514836168
<b>PRKCZ</b>	7.24769772985519	<b>ZNF517</b>	1.37227743601616
<b>KCNIP1</b>	7.47321650658197	<b>ZNF543</b>	1.22012947644843
<b>MTMR8</b>	7.63900772537091e-05	<b>ZNF620</b>	1.27407244362753
<b>CLDN16</b>	7.69734616069071	<b>ZNF688</b>	1.38383307885683
<b>NPPB</b>	7.70747124026654	<b>ZNF716</b>	4.25329099756663
<b>ZNF271</b>	8.3587556301859e-05	<b>ZNF747</b>	1.06546634107651
<b>AP000654.4</b>	8.66976129755603e-05	<b>ZNF763</b>	1.03438462994763
<b>RP11-1017G21.6</b>	8.66976129755603e-05	<b>ZNF98</b>	1.3264553657155
<b>H2BFXP</b>	8.66976129755603e-05	<b>ZSCAN16</b>	1.34540303049024
<b>CDH4</b>	9.25015550931889	<b>ZSWIM5</b>	2.34562346353345

Table S4

Down-regulated genes (Fold induction)		Down-regulated genes (Alphabetical order)	
AC092155.1	-0.9909482554741	5S_rRNA	-2.12103470001882
RARRES2P1	-0.990952661632299	AACSP1	-1.54935042770702
RP11-959F10.5	-0.991981665177088	ABCA1	-2.20750807144444
LMAN1	-0.992108670815045	ABCA12	-1.13526329020563
CFD	-0.993166961800685	ABCA13	-1.9277285735931
RMRP	-0.99443344477232	ABCA17P	-1.33500644698175
PHB2P1	-0.995331419387175	ABCA2	-1.81217005359528
ETNK1	-0.996014650416367	ABCC2	-1.973287549534
ABCC6P1	-0.996081269436426	ABCC6	-1.03658457602048
AC008443.1	-0.997301997913978	ABCC6P1	-0.996081269436426
ENO4	-0.997368845521345	ABCC6P2	-1.4140094793513
SAPCD2	-0.997408501188129	ABCC9	-2.43765195577431
NACC2	-0.997606843743906	ABCF2	-1.38513136049994
TAF12	-0.998077946286909	ABCF2P1	-1.26348213059051
MKLN1	-0.998508778522896	ABCG2	-1.69190077191949
LDHB	-0.998696212284354	ABHD11	-1.05467622623686
AC073283.4	-0.998965502926457	AC002066.1	-1.10937422350299
ATP8B3	-0.999267672534958	AC002454.1	-1.11491786797864
CXorf40B	-0.999281631912032	AC002467.7	-1.27649964560479
RP11-669B18.1	-1.00024465527051	AC003092.1	-1.95684241144007
RP1-60019.1	-1.00092743193094	AC004791.2	-5.10677562879685
RECQL	-1.00220241550613	AC005083.1	-1.07963535896772
TTC3	-1.00227214069765	AC005329.7	-1.64407241477274
RP11-30504.2	-1.00239800172503	AC007040.7	-1.30569805207442
USP13	-1.00240030150018	AC007362.1	-2.74527623781646
C21orf49	-1.00262445009535	AC008443.1	-0.997301997913978
RP3-400B16.1	-1.00318788123417	AC010132.11	-1.06470936662488
PRKRIP1	-1.00392392284377	AC011718.1	-1.38113525771037
MYO15B	-1.00429279045305	AC011738.4	-3.190941623878
ZNF667-AS1	-1.0043786510919	AC012066.1	-1.03854803546482
CD24P4	-1.00457357609213	AC016405.1	-1.20295803726606
SNHG10	-1.00467657234077	AC016723.4	-1.02002891676507
KCND1	-1.00506390521064	AC016831.7	-1.0227345138974
POMGNT1	-1.00533065864962	AC027307.3	-1.51060282539439
CMPK2	-1.00557045286219	AC068831.10	-1.03199660011135
MYCBP	-1.00561504924586	AC073043.1	-1.03025844741109
FAM98A	-1.00584109966667	AC073283.4	-0.998965502926457
LRP12	-1.00597754598807	AC074183.4	-1.09997816800106
RABL5	-1.00624395279576	AC083900.1	-1.2754362792542
GBP2	-1.00660013808482	AC092155.1	-0.9909482554741
PRR22	-1.00790142986082	AC092295.7	-1.17740356163742
SLC13A3	-1.00814785806577	AC093415.2	-1.83339654771684
DDX12P	-1.00871292116193	AC093673.5	-2.04092219489573
JAZF1	-1.00873724853325	AC118138.2	-1.11338571488808
RP11-818F20.5	-1.00955974430653	AC127496.1	-1.58410295851638
CTB-31020.2	-1.00980088795168	AC142293.3	-1.35573429304652
RP11-5407.1	-1.01024073955584	AC144652.1	-1.23376126734559

<b>ATP11A</b>	-1.01038561313204	<b>ACACB</b>	-1.49065047276062
<b>CARS2</b>	-1.01165715522266	<b>ACMSD</b>	-1.12429972257578
<b>LINC01011</b>	-1.01166344941315	<b>ACN9</b>	-1.40881927277216
<b>ILF3-AS1</b>	-1.01174193847564	<b>ACSL5</b>	-1.97131351590678
<b>GABBR2</b>	-1.01192165070344	<b>ACSM3</b>	-2.03191495011997
<b>IDS</b>	-1.01232734890594	<b>ACTR3B</b>	-2.1525867903674
<b>CDH15</b>	-1.01270053634562	<b>ACTR3C</b>	-1.33514269852322
<b>SEC24A</b>	-1.01339575723721	<b>ACTRT3</b>	-1.03507042931591
<b>GLYATL1</b>	-1.01383923959103	<b>ADAM22</b>	-1.06922275161942
<b>DMTF1</b>	-1.01384755960764	<b>ADAMTS1</b>	-1.35951151257254
<b>DLEU1</b>	-1.01393373505135	<b>ADAMTS6</b>	-1.37346373911336
<b>TFDP1</b>	-1.01399797894849	<b>ADAMTSL1</b>	-1.1042264273167
<b>C16orf93</b>	-1.01471171952434	<b>ADAP2</b>	-2.47468528125482
<b>SULF1</b>	-1.01482771134734	<b>ADIRF-AS1</b>	-1.46238601628802
<b>PTPN1</b>	-1.01539399624917	<b>AEN</b>	-1.1181564089137
<b>RP11-613M5.2</b>	-1.01542553973632	<b>AFF2</b>	-2.36749779798605
<b>INTS6</b>	-1.01559734197406	<b>AFF3</b>	-1.54550389638947
<b>KRT8P3</b>	-1.01610940669398	<b>AFP</b>	-1.25491984895881
<b>NCBP1</b>	-1.01733687193256	<b>AGAP3</b>	-1.23883412911255
<b>PRPF40B</b>	-1.01785825048929	<b>AGFG2</b>	-1.21374192019558
<b>BX842568.2</b>	-1.01823554257197	<b>AGK</b>	-1.20426670620475
<b>RP11-280G9.1</b>	-1.01851099301403	<b>AGTRAP</b>	-4.29330159611033
<b>SLC22A3</b>	-1.01918636094209	<b>AHDC1</b>	-1.83568548087888
<b>HNRNPA1P28</b>	-1.01985504451665	<b>AK5</b>	-4.21244861293007
<b>AC016723.4</b>	-1.02002891676507	<b>AKAP9</b>	-1.47189738297749
<b>SPA17</b>	-1.02034985057845	<b>AKR1B10</b>	-3.26349480936249
<b>KIAA1549</b>	-1.02045083335345	<b>AKR1B10P1</b>	-2.152170008916
<b>VDAC1</b>	-1.02174560481009	<b>AKR1B15</b>	-1.11505768985451
<b>KRT8P45</b>	-1.02259798339573	<b>AL035610.1</b>	-1.37047969243617
<b>AC016831.7</b>	-1.0227345138974	<b>AL360004.1</b>	-1.5899837868017
<b>KIF3C</b>	-1.0229009639348	<b>ALDH1A1</b>	-8.10268486043232
<b>TCEB3</b>	-1.02393141637187	<b>ALDH2</b>	-7.47979461048787
<b>PDXK</b>	-1.02439180955509	<b>ALDOC</b>	-1.10085868363323
<b>LMO7</b>	-1.02476557466024	<b>ALOXE3</b>	-1.09204805449432
<b>RBM48</b>	-1.02596722014395	<b>ALPK3</b>	-5.25571732043333
<b>LINC00467</b>	-1.02601298909218	<b>AMACR</b>	-1.40548905645385
<b>CTD-3184A7.4</b>	-1.02632522105966	<b>AMN1</b>	-1.44481994090604
<b>USP5</b>	-1.0263705105444	<b>AMPD2</b>	-2.28546845939771
<b>POPDC2</b>	-1.02694745671256	<b>ANAPC2</b>	-1.2356098433547
<b>CC2D1A</b>	-1.02730925209846	<b>ANK3</b>	-2.31948757109412
<b>DAPK1</b>	-1.02765911365636	<b>ANKRD20A11P</b>	-2.97639039290732
<b>FOXJ2</b>	-1.02791971269991	<b>ANO3</b>	-1.6163846839966
<b>CROT</b>	-1.02825029062755	<b>ANXA10</b>	-1.79035756455283
<b>YRDC</b>	-1.02850453975036	<b>AP000569.9</b>	-1.44180127603074
<b>RPL21P75</b>	-1.02928303104441	<b>AP000688.29</b>	-2.14965694258117
<b>RAD51AP1</b>	-1.0301660144786	<b>AP001619.2</b>	-1.04927305697436
<b>AC073043.1</b>	-1.03025844741109	<b>AP1S1</b>	-1.29586244336904
<b>USP16</b>	-1.03032188659469	<b>AP1S3</b>	-2.5865487390484
<b>KIAA1644</b>	-1.03073715596831	<b>AP4M1</b>	-1.12197110246643
<b>FAM83F</b>	-1.03122545397945	<b>APOM</b>	-1.07635576220338



<b>PIGP</b>	-1.03160389983859	<b>AREG</b>	-1.55669703567091
<b>AC068831.10</b>	-1.03199660011135	<b>ARHGAP28</b>	-4.6641781117157
<b>RP11-169K16.9</b>	-1.03212493765765	<b>ARHGAP33</b>	-2.08678307691694
<b>YBEY</b>	-1.03253083329502	<b>ARHGAP8</b>	-1.22355262893599
<b>CTA-384D8.36</b>	-1.03258916802715	<b>ARHGDIB</b>	-1.81445078280726
<b>MAPK9</b>	-1.03299643288973	<b>ARHGEF19</b>	-1.33600854529669
<b>CXXC5</b>	-1.03348726989027	<b>ARHGEF34P</b>	-1.49443529747441
<b>RPS26P13</b>	-1.03370410312377	<b>ARHGEF5</b>	-1.11471421552219
<b>UBXN11</b>	-1.03480806406023	<b>ARHGEF6</b>	-2.2942334578145
<b>PLXNA3</b>	-1.03502248926901	<b>ARID5B</b>	-1.67364232613501
<b>ACTRT3</b>	-1.03507042931591	<b>ARL14EPL</b>	-2.71340089425855
<b>MFNG</b>	-1.03508973349009	<b>ARL3</b>	-1.1193744861314
<b>ABCC6</b>	-1.03658457602048	<b>ARL4C</b>	-1.16920480259567
<b>PTPLAD2</b>	-1.03670282454324	<b>ARL4D</b>	-1.06988556845279
<b>IRX5</b>	-1.03688582132355	<b>ARMC10</b>	-1.29052034666425
<b>RP11-44N11.2</b>	-1.03702658666279	<b>ARNT2</b>	-1.82032547290235
<b>RP11-527J8.1</b>	-1.03715508836766	<b>ARNTL2</b>	-1.0974799762798
<b>RP11-44N21.1</b>	-1.03724601762055	<b>ARPC1A</b>	-1.49781125618738
<b>BACE2</b>	-1.03727236084322	<b>ARPC1B</b>	-1.22774630166214
<b>LYRM5</b>	-1.03846804542487	<b>ARRDC4</b>	-1.15516549327696
<b>AC012066.1</b>	-1.03854803546482	<b>ARTN</b>	-3.45636248331675
<b>BTG2</b>	-1.03921084837066	<b>ASAP3</b>	-1.44982290850554
<b>NOP2</b>	-1.03924847773243	<b>ASMTL</b>	-2.47459078064563
<b>PAN3-AS1</b>	-1.03967303303195	<b>ASPHD1</b>	-1.44316216754862
<b>PHLDA3</b>	-1.04006469243031	<b>ASTN2</b>	-1.15275321704548
<b>KLHL21</b>	-1.040650159877	<b>ATAD3A</b>	-1.29283937353238
<b>TPM1</b>	-1.04077330760162	<b>ATAT1</b>	-3.0301791570386
<b>ST7</b>	-1.04095996764125	<b>ATN1</b>	-1.31316241982173
<b>MDM2</b>	-1.04104979508373	<b>ATP11A</b>	-1.01038561313204
<b>CTD-2331H12.5</b>	-1.04125472456135	<b>ATP1A3</b>	-1.28550607668908
<b>RP11-274H2.5</b>	-1.04134807789478	<b>ATP2B4</b>	-1.46062160927894
<b>CLDN12</b>	-1.04215988015962	<b>ATP5J2</b>	-1.41427248981714
<b>NAPRT1</b>	-1.04257648409413	<b>ATP6V0E2</b>	-2.09626019740203
<b>BUD31</b>	-1.04281559934372	<b>ATP6V0E2-AS1</b>	-1.85845194859369
<b>TBC1D4</b>	-1.04365055814115	<b>ATP6V1F</b>	-1.0599198706718
<b>NOP16</b>	-1.04397357687827	<b>ATP8B3</b>	-0.999267672534958
<b>LINC00478</b>	-1.04530096976331	<b>AXIN2</b>	-1.05755784966566
<b>RP5-894A10.6</b>	-1.04556822464811	<b>B3GALT5</b>	-4.30690795619165
<b>MAGED1</b>	-1.04697260732399	<b>B3GNT6</b>	-1.38774832979055
<b>SNHG9</b>	-1.04770916696188	<b>B4GALNT1</b>	-1.32726886595771
<b>RP11-1094M14.11</b>	-1.04774829436929	<b>B4GALNT4</b>	-4.4658318612671
<b>FAM132B</b>	-1.04801505490679	<b>B4GALT1</b>	-1.15443004090206
<b>FBXL16</b>	-1.04835704923301	<b>BACE2</b>	-1.03727236084322
<b>TRABD</b>	-1.04903134058824	<b>BAIAP2L1</b>	-1.48303997392218
<b>AP001619.2</b>	-1.04927305697436	<b>BAIAP2L2</b>	-1.27144260688694
<b>MZT1</b>	-1.0499114479942	<b>BARX2</b>	-1.65825977960214
<b>TCEAL8</b>	-1.05241853004023	<b>BAZ1B</b>	-1.33243455846834
<b>FRMD3</b>	-1.05243109393928	<b>BCAP29</b>	-1.44531929392092
<b>TBL2</b>	-1.05301053861815	<b>BCAS1</b>	-1.57305728722663
<b>LRCH4</b>	-1.0537194771312	<b>BCL2L15</b>	-4.9494333073898

<b>LMO4</b>	-1.05397895639305	<b>BCL7B</b>	-1.47511251531383
<b>RP1-228P16.7</b>	-1.05449661091381	<b>BCMO1</b>	-2.47046899088319
<b>ABHD11</b>	-1.05467622623686	<b>BET1</b>	-1.80099773261969
<b>SLITRK4</b>	-1.05510981551252	<b>BHLHE41</b>	-1.14741311116743
<b>HMG2</b>	-1.05548311312017	<b>BICD1</b>	-1.20475569871451
<b>RNU4-1</b>	-1.05569062945509	<b>BMP2</b>	-1.1947980223991
<b>PCBP1-AS1</b>	-1.05601876577079	<b>BOLA1</b>	-2.75950132029281
<b>HSPA6</b>	-1.05687803537012	<b>BOLA3-AS1</b>	-1.30639778542404
<b>RP11-259N19.1</b>	-1.05728364473987	<b>BOP1</b>	-1.1103794135027
<b>AXIN2</b>	-1.05755784966566	<b>BORA</b>	-1.1684531252502
<b>HOXC8</b>	-1.05756798350023	<b>BST2</b>	-3.53909867378253
<b>UGT1A7</b>	-1.05783259919979	<b>BTBD16</b>	-1.30247675418542
<b>MYLK</b>	-1.05825774454905	<b>BTC</b>	-1.16861677776452
<b>ZNF593</b>	-1.05845997935453	<b>BTG2</b>	-1.03921084837066
<b>SRIP3</b>	-1.05905398121803	<b>BTG3</b>	-1.2593456861215
<b>COX17</b>	-1.05969425821135	<b>BUD31</b>	-1.04281559934372
<b>ATP6V1F</b>	-1.0599198706718	<b>BX842568.2</b>	-1.01823554257197
<b>CALB2</b>	-1.06128992300379	<b>C10orf126</b>	-1.12379381068955
<b>WWTR1</b>	-1.0617662283385	<b>C10orf128</b>	-4.030801321459
<b>AC010132.11</b>	-1.06470936662488	<b>C11orf86</b>	-3.21015112938209
<b>RP11-598F7.6</b>	-1.06519870026077	<b>C12orf23</b>	-1.07822992075083
<b>COPS6</b>	-1.06660793056745	<b>C12orf57</b>	-1.72125968393095
<b>CHPF</b>	-1.06801965998695	<b>C16orf45</b>	-1.13688957967046
<b>HTR7P1</b>	-1.06856106275943	<b>C16orf86</b>	-1.15813354873449
<b>ADAM22</b>	-1.06922275161942	<b>C16orf93</b>	-1.01471171952434
<b>KCNIP3</b>	-1.06958416751472	<b>C16orf95</b>	-1.09983801212809
<b>LRRC23</b>	-1.06961130318262	<b>C1orf21</b>	-2.27462793981867
<b>RANBP1</b>	-1.06983929979511	<b>C1orf51</b>	-1.3338954294875
<b>ARL4D</b>	-1.06988556845279	<b>C1orf85</b>	-2.41529184600928
<b>EPT1</b>	-1.07001051608397	<b>C1QL1</b>	-1.58728891338417
<b>HSDL2</b>	-1.07008024612224	<b>C1S</b>	-1.21562702872988
<b>KDM1A</b>	-1.0702746954194	<b>C21orf49</b>	-1.00262445009535
<b>FILIP1L</b>	-1.07074577167374	<b>C21orf58</b>	-1.33827531649619
<b>LINC01116</b>	-1.07087230466423	<b>C22orf34</b>	-5.16450677592684
<b>FGF13</b>	-1.07100911355809	<b>C3AR1</b>	-2.44262660634267
<b>DKFZP761J1410</b>	-1.07170286768125	<b>C3orf18</b>	-1.15263205377489
<b>RP11-225H22.7</b>	-1.07321588681705	<b>C3orf80</b>	-1.115265300804
<b>CTB-51J22.1</b>	-1.07365879343586	<b>C5orf63</b>	-2.14748634592294
<b>UGCG</b>	-1.0752512165662	<b>C6orf99</b>	-2.48545111347615
<b>CLCN2</b>	-1.07570718599922	<b>C7orf13</b>	-2.09799370012498
<b>LINC00882</b>	-1.07626245442256	<b>C7orf43</b>	-1.63595665939024
<b>APOM</b>	-1.07635576220338	<b>C7orf55</b>	-1.94218971795452
<b>TREX2</b>	-1.07659393137418	<b>C7orf55-LUC7L2</b>	-1.27623428078881
<b>NAA50</b>	-1.07670439013957	<b>C7orf57</b>	-1.14845321611795
<b>FAM131C</b>	-1.07675033372468	<b>C7orf61</b>	-1.29627164672147
<b>CNKSR3</b>	-1.07690517981496	<b>C7orf73</b>	-1.71190746784122
<b>NAPEPLD</b>	-1.07725295882487	<b>C9orf172</b>	-2.39824068051339
<b>MYLK-AS1</b>	-1.07730847025792	<b>C9orf3</b>	-1.2627763512653
<b>RNA5S2</b>	-1.07733556213689	<b>C9orf84</b>	-1.87340478725554
<b>C12orf23</b>	-1.07822992075083	<b>C9orf85</b>	-1.31550216121312

<b>HMMR</b>	-1.07874407467537	<b>CA12</b>	-4.99892508943625
<b>PRDM2</b>	-1.07895175739406	<b>CALB2</b>	-1.06128992300379
<b>CTD-2269F5.1</b>	-1.07921058153134	<b>CALD1</b>	-1.24390265910738
<b>RP11-682N22.1</b>	-1.07933155963793	<b>CALU</b>	-1.76588546676056
<b>RP1-305B16.3</b>	-1.07937678509764	<b>CAMK1D</b>	-3.33869372074614
<b>AC005083.1</b>	-1.07963535896772	<b>CAMK4</b>	-1.33580278212895
<b>DNAJC25</b>	-1.07980324244287	<b>CAMSAP3</b>	-2.16571162117149
<b>TMEM86B</b>	-1.07996131321843	<b>CAPZA2</b>	-1.51990330982116
<b>EPHX2</b>	-1.08029798222607	<b>CARD11</b>	-4.75067211652356
<b>MAPK10</b>	-1.08037901795783	<b>CARS2</b>	-1.01165715522266
<b>SERINC5</b>	-1.08080359180078	<b>CASC15</b>	-1.36541432492196
<b>CDC45</b>	-1.08161613663013	<b>CASD1</b>	-1.12247063189091
<b>DCDC2</b>	-1.08218821559004	<b>CASKIN2</b>	-1.28022354053088
<b>TMEM165</b>	-1.08238025021553	<b>CAV1</b>	-1.80991476547737
<b>RNA5-8S5</b>	-1.08245243261644	<b>CAV2</b>	-2.27790201893699
<b>SRP72P2</b>	-1.08300709920933	<b>CBLL1</b>	-1.17384147350199
<b>USP12</b>	-1.083085402007	<b>CBR3</b>	-1.45475176096378
<b>SLC34A1</b>	-1.08322473165266	<b>CBR3-AS1</b>	-2.15809464753148
<b>RP11-325O24.2</b>	-1.08352526421389	<b>CC2D1A</b>	-1.02730925209846
<b>PSPC1</b>	-1.08411849032654	<b>CCBE1</b>	-1.36517132298986
<b>CIB1</b>	-1.08477885902728	<b>CCBL1</b>	-1.44880885036193
<b>LDHBP2</b>	-1.08490904429771	<b>CCDC136</b>	-1.80922275504147
<b>MIR4653</b>	-1.0856505206396	<b>CCDC152</b>	-1.6829396482602
<b>RAD51C</b>	-1.08587775670869	<b>CCDC183</b>	-2.1250476313042
<b>COPG2</b>	-1.08660717460607	<b>CCDC183-AS1</b>	-1.31945591661185
<b>KRT8</b>	-1.08783469433466	<b>CCDC71L</b>	-1.9874982850174
<b>RNA5S11</b>	-1.08798483006223	<b>CCDC74A</b>	-3.49082006953533
<b>GATAD1</b>	-1.08810206547252	<b>CCDC74B</b>	-2.43073710031618
<b>RNASEH1-AS1</b>	-1.08941225289983	<b>CD101</b>	-1.20463551989418
<b>LRP1</b>	-1.08962655813358	<b>CD109</b>	-3.00196137284742
<b>RP11-617F23.1</b>	-1.09083491947262	<b>CD163L1</b>	-1.52355947090157
<b>DPH2</b>	-1.09087215289864	<b>CD24P4</b>	-1.00457357609213
<b>ALOXE3</b>	-1.09204805449432	<b>CD274</b>	-1.52258453786819
<b>RP11-539I5.1</b>	-1.09297817796746	<b>CD320</b>	-3.44665609606542
<b>LPXN</b>	-1.09359509318826	<b>CD70</b>	-2.06698213917517
<b>DUSP1</b>	-1.09423671924657	<b>CD82</b>	-1.25527234639599
<b>USP25</b>	-1.09543835432368	<b>CD99</b>	-1.17810486450025
<b>FBXO10</b>	-1.09569206819906	<b>CDC14B</b>	-1.24708178281898
<b>CNPY4</b>	-1.09614434299518	<b>CDC42EP3</b>	-1.55839220305586
<b>IPO13</b>	-1.09622259879379	<b>CDC45</b>	-1.08161613663013
<b>PHB2</b>	-1.09623775326405	<b>CDCA3</b>	-1.23858674757409
<b>PTCD1</b>	-1.09670693928688	<b>CDH15</b>	-1.01270053634562
<b>RASSF8-AS1</b>	-1.09700147894512	<b>CDH6</b>	-6.0780187493647
<b>ARNTL2</b>	-1.0974799762798	<b>CDIP1</b>	-1.93361191909398
<b>TRIM24</b>	-1.09752418097741	<b>CDK14</b>	-2.41851673849028
<b>CRYZ</b>	-1.0982990088639	<b>CDK15</b>	-4.38475703902596
<b>RP11-462G12.1</b>	-1.09977858604953	<b>CDK20</b>	-1.99905978369626
<b>C16orf95</b>	-1.09983801212809	<b>CDK5</b>	-1.57596956367706
<b>AC074183.4</b>	-1.09997816800106	<b>CDK6</b>	-1.81777588589791
<b>RNF43</b>	-1.10000262888485	<b>CDKN1A</b>	-2.25427401602016

<b>PPP2R3A</b>	-1.10042563957799	<b>CDKN2C</b>	-1.29244496140952
<b>REPIN1</b>	-1.1005930353394	<b>CECR7</b>	-1.12745273952594
<b>TTC26</b>	-1.10068686348636	<b>CENPV</b>	-5.71047696896032
<b>MTSS1</b>	-1.10073909471909	<b>CERK</b>	-1.70074526979877
<b>SRP72</b>	-1.10074845368549	<b>CFD</b>	-0.993166961800685
<b>ALDOC</b>	-1.10085868363323	<b>CFH</b>	-5.29136127339618
<b>TCF3</b>	-1.10129681733495	<b>CFI</b>	-2.354690468672
<b>TDO2</b>	-1.1013653833862	<b>CGB8</b>	-2.14870053376725
<b>SP5</b>	-1.10219887103367	<b>CGNL1</b>	-1.12121749797917
<b>TMEM169</b>	-1.10242679652603	<b>CHAF1B</b>	-1.43973086774046
<b>ADAMTSL1</b>	-1.1042264273167	<b>CHCHD3P3</b>	-1.17309611037485
<b>PAXIP1-AS1</b>	-1.10442253286853	<b>CHML</b>	-1.74994370835219
<b>RASEF</b>	-1.10472937631712	<b>CHPF</b>	-1.06801965998695
<b>CPSF4</b>	-1.10485018734079	<b>CHPF2</b>	-1.45813863697618
<b>ZSCAN25</b>	-1.1052058018673	<b>CIB1</b>	-1.08477885902728
<b>TGFB3</b>	-1.10629818688475	<b>CISH</b>	-1.27528824643482
<b>P2RX6</b>	-1.10649429016935	<b>CLCN2</b>	-1.07570718599922
<b>ZNF282</b>	-1.10812066656453	<b>CLDN12</b>	-1.04215988015962
<b>NDUFB2-AS1</b>	-1.10869706570766	<b>CLDN2</b>	-1.77610395800344
<b>AC002066.1</b>	-1.10937422350299	<b>CLDN4</b>	-6.35470088204738
<b>LYRM1</b>	-1.11019597139713	<b>CLEC2B</b>	-3.8272088943289
<b>BOP1</b>	-1.1103794135027	<b>CLOCK</b>	-1.34477231828527
<b>LINC00263</b>	-1.11056024862664	<b>CLYBL</b>	-1.12401922414892
<b>RP11-471M2.3</b>	-1.11315304680038	<b>CMAS</b>	-1.12925666235631
<b>AC118138.2</b>	-1.11338571488808	<b>CMBL</b>	-1.76812330279419
<b>PTBP3</b>	-1.11402776003876	<b>CMIP</b>	-1.59303565715876
<b>TNFRSF1A</b>	-1.11403618404759	<b>CMPK2</b>	-1.00557045286219
<b>PCDHGA9</b>	-1.11455735471391	<b>CNIH3</b>	-1.64391931875104
<b>ARHGEF5</b>	-1.11471421552219	<b>CNKSR3</b>	-1.07690517981496
<b>RP11-4C20.4</b>	-1.11482705199281	<b>CNPY4</b>	-1.09614434299518
<b>AC002454.1</b>	-1.11491786797864	<b>CNR1</b>	-1.58247300796741
<b>AKR1B15</b>	-1.11505768985451	<b>COBLL1</b>	-1.85760719396649
<b>TMEM200C</b>	-1.11510393652686	<b>COCH</b>	-1.82766312649534
<b>C3orf80</b>	-1.115265300804	<b>COG5</b>	-1.20054349191035
<b>SEMA5B</b>	-1.11541637447623	<b>COL17A1</b>	-1.67753022937433
<b>RPL21</b>	-1.11543214727694	<b>COL4A5</b>	-5.54382336200188
<b>FGFR4</b>	-1.11561704721189	<b>COL5A2</b>	-1.63876775222889
<b>RHEBP2</b>	-1.1157692480038	<b>COL6A3</b>	-6.95714569363262
<b>CTA-445C9.14</b>	-1.11602997780553	<b>COPG2</b>	-1.08660717460607
<b>NDUFB2</b>	-1.11613292265361	<b>COPS6</b>	-1.06660793056745
<b>SLC25A13</b>	-1.11683403979263	<b>COPZ2</b>	-1.73031291248464
<b>MSRB3</b>	-1.11730411514547	<b>COX17</b>	-1.05969425821135
<b>TRIQQ</b>	-1.11771608599565	<b>CP</b>	-1.37471205350393
<b>AEN</b>	-1.1181564089137	<b>CPED1</b>	-1.13477428228409
<b>LRCH1</b>	-1.11866383603949	<b>CPSF4</b>	-1.10485018734079
<b>ARL3</b>	-1.1193744861314	<b>CPT1A</b>	-1.13981673822937
<b>RN7SK</b>	-1.11974811369611	<b>CRABP2</b>	-1.25255867616126
<b>LMBR1</b>	-1.12048274307942	<b>CREB3L1</b>	-3.04130729330342
<b>FHOD1</b>	-1.1205444940859	<b>CREB3L2</b>	-1.42156430595078
<b>CGNL1</b>	-1.12121749797917	<b>CRISPLD2</b>	-1.22707456183186

<b>WDR5B</b>	-1.12158378089646	<b>CROT</b>	-1.02825029062755
<b>AP4M1</b>	-1.12197110246643	<b>CRYZ</b>	-1.0982990088639
<b>POT1</b>	-1.12197575200852	<b>CSF1R</b>	-4.53880217068712
<b>RP5-1024G6.8</b>	-1.12220781799938	<b>CTA-29F11.1</b>	-1.38892705361468
<b>CASD1</b>	-1.12247063189091	<b>CTA-384D8.36</b>	-1.03258916802715
<b>KRT8P13</b>	-1.12303128596687	<b>CTA-445C9.14</b>	-1.11602997780553
<b>RTKN2</b>	-1.12329462619383	<b>CTA-445C9.15</b>	-2.25039095927671
<b>IRF6</b>	-1.12332546974903	<b>CTA-929C8.7</b>	-1.54029172569239
<b>ZC3HC1</b>	-1.12352488285182	<b>CTB-175P5.4</b>	-2.08978448029865
<b>FGD4</b>	-1.12370481050678	<b>CTB-31O20.2</b>	-1.00980088795168
<b>C10orf126</b>	-1.12379381068955	<b>CTB-51J22.1</b>	-1.07365879343586
<b>CLYBL</b>	-1.12401922414892	<b>CTC-428G20.3</b>	-1.36435485884268
<b>SYPL1</b>	-1.12429590092539	<b>CTC-534B23.1</b>	-1.3226547485753
<b>ACMSD</b>	-1.12429972257578	<b>CTC-559E9.5</b>	-1.49541948333369
<b>PTGER4</b>	-1.12477723245861	<b>CTD-2023M8.1</b>	-1.13937892146455
<b>LINC00961</b>	-1.1248431578916	<b>CTD-2060C23.1</b>	-1.7511381859891
<b>NCAPD2P1</b>	-1.12650306035955	<b>CTD-2114J12.1</b>	-1.21427788511166
<b>CECR7</b>	-1.12745273952594	<b>CTD-2171N6.1</b>	-2.18351582695817
<b>RP11-274B21.3</b>	-1.1280132709563	<b>CTD-2186M15.3</b>	-1.36122559909196
<b>LINC00634</b>	-1.12897537976566	<b>CTD-2196E14.9</b>	-1.24565451572031
<b>CMAS</b>	-1.12925666235631	<b>CTD-2203K17.1</b>	-1.29345151872695
<b>ING3</b>	-1.12985468053265	<b>CTD-2228K2.5</b>	-2.10186149703504
<b>RP11-145M9.4</b>	-1.13121372020459	<b>CTD-2230M5.1</b>	-1.15149759123624
<b>RPS27P27</b>	-1.13135018190558	<b>CTD-2269F5.1</b>	-1.07921058153134
<b>ZNF491</b>	-1.13188956379392	<b>CTD-2331H12.5</b>	-1.04125472456135
<b>TICAM2</b>	-1.13232324413625	<b>CTD-2501M5.1</b>	-2.3904638726716
<b>RP11-465B22.3</b>	-1.13288366281865	<b>CTD-2521M24.9</b>	-2.47070771432215
<b>CPED1</b>	-1.13477428228409	<b>CTD-2620I22.2</b>	-1.46504113707136
<b>RP11-226L15.5</b>	-1.13490999845725	<b>CTD-3018O17.3</b>	-1.48044395706523
<b>ABCA12</b>	-1.13526329020563	<b>CTD-3184A7.4</b>	-1.02632522105966
<b>DNAJC2</b>	-1.13652978600062	<b>CTNNA3</b>	-2.37904539904998
<b>RP3-467K16.4</b>	-1.1367120197148	<b>CTTNBP2</b>	-2.48039944055636
<b>E2F8</b>	-1.13681129650477	<b>CTU2</b>	-1.19858544545821
<b>C16orf45</b>	-1.13688957967046	<b>CTXN1</b>	-1.23279353294514
<b>SERPINE1</b>	-1.13757380141453	<b>CUL1</b>	-1.68431440812441
<b>ZFPM1</b>	-1.13788666891345	<b>CXCR4</b>	-2.14956731875374
<b>CTD-2023M8.1</b>	-1.13937892146455	<b>CXorf40B</b>	-0.999281631912032
<b>SFXN2</b>	-1.13944034766061	<b>CXorf57</b>	-2.67834479871152
<b>RP1-193H18.2</b>	-1.13978838917366	<b>CXXC5</b>	-1.03348726989027
<b>CPT1A</b>	-1.13981673822937	<b>CYB561</b>	-1.44091015866243
<b>METTL2B</b>	-1.13987747470622	<b>CYB5A</b>	-3.38970097883393
<b>EVA1A</b>	-1.1407628903011	<b>CYP1B1</b>	-3.65020232321176
<b>KRIT1</b>	-1.1415706370725	<b>CYP1B1-AS1</b>	-2.40349816049931
<b>SPHK1</b>	-1.14208814494735	<b>CYP3A5</b>	-1.9297125111532
<b>SH3BGRL2</b>	-1.14219801453257	<b>CYP4F29P</b>	-2.32086816481204
<b>ID2</b>	-1.14330570306327	<b>CYTH4</b>	-1.4919122532732
<b>RP11-397E7.4</b>	-1.14522235473631	<b>CYTL1</b>	-1.24371254088267
<b>YIPF2</b>	-1.14544346332481	<b>DAPK1</b>	-1.02765911365636
<b>BHLHE41</b>	-1.14741311116743	<b>DBF4</b>	-1.32352560344444
<b>POLR2J3</b>	-1.14813127965574	<b>DCBLD2</b>	-1.2952662749657

<b>C7orf57</b>	-1.14845321611795	<b>DCDC2</b>	-1.08218821559004
<b>ZNF398</b>	-1.14895163013881	<b>DCLK1</b>	-2.78939635108174
<b>SCARB1</b>	-1.14906123800535	<b>DCLK2</b>	-2.69993308373609
<b>PITHD1</b>	-1.14953831096703	<b>DDO</b>	-1.15265727156847
<b>MTPN</b>	-1.15042226799058	<b>DDX11</b>	-1.22080557078603
<b>CTD-2230M5.1</b>	-1.15149759123624	<b>DDX12P</b>	-1.00871292116193
<b>C3orf18</b>	-1.15263205377489	<b>DDX3Y</b>	-6.95541956462426
<b>DDO</b>	-1.15265727156847	<b>DDX3YP1</b>	-1.26329293825055
<b>ASTN2</b>	-1.15275321704548	<b>DENND2D</b>	-3.50889688131361
<b>KLHDC10</b>	-1.15287291456466	<b>DERL3</b>	-1.67012996747936
<b>POLR2B</b>	-1.15375573235162	<b>DGAT2</b>	-3.20973451175965
<b>HOXA4</b>	-1.15433899011245	<b>DGCR5</b>	-3.01190719595017
<b>B4GALT1</b>	-1.15443004090206	<b>DGCR9</b>	-2.55086831302144
<b>TNFAIP6</b>	-1.1547832078094	<b>DGKI</b>	-2.98716030038112
<b>PAXBP1-AS1</b>	-1.15488741609971	<b>DHRS11</b>	-1.28227003721382
<b>ZSCAN5A</b>	-1.15511280023435	<b>DHRS9</b>	-1.4175983282299
<b>ARRDC4</b>	-1.15516549327696	<b>DHX58</b>	-3.47199914111345
<b>TRIM54</b>	-1.15571781522969	<b>DICER1-AS1</b>	-1.41424697550309
<b>HMGN2P3</b>	-1.15688881392725	<b>DIRAS2</b>	-3.30572983696396
<b>RP11-15N24.4</b>	-1.1573021673622	<b>DIXDC1</b>	-2.25933342338061
<b>C16orf86</b>	-1.15813354873449	<b>DKFZP761J141C</b>	-1.07170286768125
<b>HIP1</b>	-1.15814150918581	<b>DLEU1</b>	-1.01393373505135
<b>URB1</b>	-1.15824379970524	<b>DLEU2</b>	-1.79792053784141
<b>LXN</b>	-1.15989950347926	<b>DLG5-AS1</b>	-2.35876019534972e-05
<b>SLC6A6</b>	-1.15999013710373	<b>DMC1</b>	-1.58588922089902
<b>SNORD3B-2</b>	-1.16012996959494	<b>DMRTA1</b>	-1.58309676454504
<b>SCFD2</b>	-1.1635994518458	<b>DMTF1</b>	-1.01384755960764
<b>EPHA4</b>	-1.16425957600386	<b>DNAJC12</b>	-1.88032042790948
<b>LINC00973</b>	-1.16492704887833	<b>DNAJC15</b>	-4.01134898535328
<b>STAC</b>	-1.16547292803692	<b>DNAJC2</b>	-1.13652978600062
<b>FND3A</b>	-1.16719209252519	<b>DNAJC22</b>	-4.30410779713312
<b>BORA</b>	-1.1684531252502	<b>DNAJC25</b>	-1.07980324244287
<b>BTC</b>	-1.16861677776452	<b>DNAJC30</b>	-1.27442952561443
<b>ARL4C</b>	-1.16920480259567	<b>DONSON</b>	-1.40299911860588
<b>N6AMT1</b>	-1.16963539765582	<b>DPH2</b>	-1.09087215289864
<b>PER1</b>	-1.17145756462411	<b>DPY19L2P2</b>	-1.28167959969544
<b>RNA5S4</b>	-1.17164004918295	<b>DPYD</b>	-1.37977588589005
<b>PCSK6</b>	-1.17189133693328	<b>DPYSL3</b>	-2.00575559447688
<b>KDM4A-AS1</b>	-1.17208800668757	<b>DPYSL4</b>	-1.59404530370457
<b>CHCHD3P3</b>	-1.17309611037485	<b>DSP</b>	-1.76198250370972
<b>PCDH7</b>	-1.17363946759686	<b>DTNA</b>	-3.21826514345096
<b>CBLL1</b>	-1.17384147350199	<b>DUS4L</b>	-1.67223261265202
<b>LPCAT1</b>	-1.17447085509392	<b>DUSP1</b>	-1.09423671924657
<b>PRKAR2A</b>	-1.17712934211968	<b>DUSP9</b>	-2.42781632963274
<b>AC092295.7</b>	-1.17740356163742	<b>DYNC1I1</b>	-3.95228721272617
<b>TMEM209</b>	-1.17791222250132	<b>E2F2</b>	-1.98496800630481
<b>GGTLC2</b>	-1.17805092698139	<b>E2F8</b>	-1.13681129650477
<b>CD99</b>	-1.17810486450025	<b>ECHDC2</b>	-2.0707711768928
<b>PPAT</b>	-1.17839188929385	<b>ECHDC3</b>	-3.99665543629566
<b>ZNF320</b>	-1.17851564471501	<b>ECM1</b>	-1.49698400915653

<b>MAMDC4</b>	-1.17868998477561	<b>EDA2R</b>	-5.41141366683029
<b>RP6-42F4.1</b>	-1.17869787668071	<b>EDIL3</b>	-1.21416739138217
<b>PMS2P3</b>	-1.17899896276105	<b>EEF1A2</b>	-1.26358873676554
<b>SPC24</b>	-1.17900423407339	<b>EEPD1</b>	-1.71904079515054
<b>SRPK2</b>	-1.17919534988154	<b>EFCAB4A</b>	-2.8803323839124
<b>ETV1</b>	-1.17980192986121	<b>EFEMP1</b>	-2.9554428232653
<b>VWA1</b>	-1.17989329595273	<b>EFHB</b>	-2.45875898668787
<b>EIF4HP1</b>	-1.18027971840929	<b>EFHD2</b>	-1.373558459663
<b>RRP1B</b>	-1.18071095134882	<b>EFNB2</b>	-1.55885464865145
<b>FCHO1</b>	-1.18194008546462	<b>EGF</b>	-1.78376224355124
<b>NCS1</b>	-1.18237064161917	<b>EGLN3</b>	-3.23111700929812
<b>MRPS35</b>	-1.18289642333016	<b>EIF1AY</b>	-5.65193518133929
<b>IMPDH1P4</b>	-1.18352620792102	<b>EIF4H</b>	-1.25109102762457
<b>TNPO3</b>	-1.18395723852312	<b>EIF4HP1</b>	-1.18027971840929
<b>PWP2</b>	-1.18440316552294	<b>ELFN2</b>	-3.87721047961369
<b>ZNF789</b>	-1.18458638647701	<b>ELL2</b>	-1.25820546514624
<b>SSBP1</b>	-1.18503537832669	<b>ELMOD1</b>	-2.19468761914382
<b>SPATC1L</b>	-1.1880807051863	<b>ENC1</b>	-1.31121381604294
<b>UBE2HP1</b>	-1.18817949164954	<b>ENKD1</b>	-2.07233478171512
<b>NEO1</b>	-1.18826277396789	<b>ENO4</b>	-0.997368845521345
<b>RNF182</b>	-1.18851318651649	<b>ENPEP</b>	-2.33896106892796
<b>RP13-585F24.1</b>	-1.18982036442056	<b>ENPP2</b>	-1.20787984125648
<b>PANX2</b>	-1.18995082414531	<b>EPB41</b>	-1.35496328841728
<b>MANSC1</b>	-1.19020854997467	<b>EPB41L3</b>	-3.55034652872233
<b>RP11-220I1.1</b>	-1.19048075720163	<b>EPCAM</b>	-3.12628096489074
<b>SPINT2</b>	-1.19057891520905	<b>EPHA4</b>	-1.16425957600386
<b>SLC6A13</b>	-1.19094739462024	<b>EPHX2</b>	-1.08029798222607
<b>GLIS1</b>	-1.19177934339811	<b>EPS8</b>	-1.32871024826877
<b>XXcos-LUCA11.4</b>	-1.19180551675096	<b>EPS8L1</b>	-1.4504845092102
<b>SNORD125</b>	-1.19263751426871	<b>EPT1</b>	-1.07001051608397
<b>HNRNPA1P51</b>	-1.19277216187352	<b>EREG</b>	-2.27629436015885
<b>KLRC1</b>	-1.19279488835365	<b>ERGIC1</b>	-1.28968021188091
<b>RP11-148B18.3</b>	-1.19337646014991	<b>ERICH2</b>	-1.25652066474636
<b>RP11-22B23.1</b>	-1.19357649084349	<b>ERV3-1</b>	-1.50517450234628
<b>BMP2</b>	-1.1947980223991	<b>ESPNL</b>	-2.27431942308858
<b>ZNF655</b>	-1.19850074812447	<b>ETNK1</b>	-0.996014650416367
<b>CTU2</b>	-1.19858544545821	<b>ETV1</b>	-1.17980192986121
<b>RNA5S16</b>	-1.19873411943145	<b>EVA1A</b>	-1.1407628903011
<b>SEC31A</b>	-1.19877274496689	<b>EVC2</b>	-4.23063870054077
<b>STRAP</b>	-1.19926069053642	<b>EVI2A</b>	-4.28919476610671
<b>MAPKAPK3</b>	-1.19957886745824	<b>EVPL</b>	-2.07986614331229
<b>ZMAT3</b>	-1.20016237882374	<b>EXPH5</b>	-1.65182121667737
<b>COG5</b>	-1.20054349191035	<b>EZH2</b>	-1.52729628318896
<b>NAMPT</b>	-1.20093254462958	<b>EZH2P1</b>	-1.23140328856658
<b>MBNL3</b>	-1.20149289207947	<b>F12</b>	-2.46675385378124
<b>RP1-272L16.1</b>	-1.20150707117589	<b>F3</b>	-1.29225960364333
<b>AC016405.1</b>	-1.20295803726606	<b>FABP6</b>	-1.92695762469259
<b>MRT04</b>	-1.20347113506324	<b>FAM109B</b>	-3.71645812076046
<b>PLEKHA5</b>	-1.20414365914556	<b>FAM115C</b>	-2.38478679240703
<b>AGK</b>	-1.20426670620475	<b>FAM131C</b>	-1.07675033372468

<b>LINC00998</b>	-1.20440547919038	<b>FAM132B</b>	-1.04801505490679
<b>CD101</b>	-1.20463551989418	<b>FAM13A-AS1</b>	-1.267122266030382
<b>BICD1</b>	-1.20475569871451	<b>FAM13C</b>	-1.84113050379833
<b>LINC00707</b>	-1.20488041470389	<b>FAM198B</b>	-3.43040793022325
<b>ENPP2</b>	-1.20787984125648	<b>FAM200A</b>	-1.5816115399876
<b>RHBDL2</b>	-1.20830759660765	<b>FAM211B</b>	-1.38415451020405
<b>GMNC</b>	-1.20843502015311	<b>FAM213B</b>	-2.18845447268478
<b>RP11-54A9.1</b>	-1.20875227882869	<b>FAM225B</b>	-1.36477638208254
<b>IQCB1</b>	-1.20890760943814	<b>FAM3C</b>	-1.9298102077022
<b>KRT8P41</b>	-1.21338156704871	<b>FAM3C2</b>	-1.38746894994549
<b>FSTL3</b>	-1.21350828728926	<b>FAM46B</b>	-1.64710567329658
<b>AGFG2</b>	-1.21374192019558	<b>FAM49A</b>	-2.04253706181793
<b>EDIL3</b>	-1.21416739138217	<b>FAM83F</b>	-1.03122545397945
<b>CTD-2114J12.1</b>	-1.21427788511166	<b>FAM83H</b>	-1.40935813211817
<b>IKBKG</b>	-1.2154673968793	<b>FAM90A1</b>	-1.51021103543431
<b>C1S</b>	-1.21562702872988	<b>FAM98A</b>	-1.00584109966667
<b>GPR75</b>	-1.21607619124165	<b>FAR2</b>	-2.39385063308815
<b>RASD2</b>	-1.21716923384241	<b>FAS</b>	-1.23540493941884
<b>GLYATL2</b>	-1.21744050741083	<b>FAT2</b>	-1.47517942674687
<b>WDR4</b>	-1.21776955290311	<b>FAT4</b>	-1.93481995826998
<b>RP1-30G7.2</b>	-1.2180840856209	<b>FBXL13</b>	-1.37921187506028
<b>SOD1</b>	-1.21893259260956	<b>FBXL16</b>	-1.04835704923301
<b>PYROXD1</b>	-1.21930095492515	<b>FBXO10</b>	-1.09569206819906
<b>MLF2</b>	-1.21990947764846	<b>FCHO1</b>	-1.18194008546462
<b>DDX11</b>	-1.22080557078603	<b>FGD4</b>	-1.12370481050678
<b>ZBTB18</b>	-1.22161322726593	<b>FGF13</b>	-1.07100911355809
<b>TSPAN13</b>	-1.22200764422273	<b>FGFR4</b>	-1.11561704721189
<b>SGCB</b>	-1.22204863019441	<b>FGFRL1</b>	-1.39926607490426
<b>SYT11</b>	-1.22315922907628	<b>FHDC1</b>	-2.60662262471211
<b>ARHGAP8</b>	-1.22355262893599	<b>FHL2</b>	-1.48272590848711
<b>NAA38</b>	-1.22549261630757	<b>FHOD1</b>	-1.1205444940859
<b>PUS7</b>	-1.22577345569758	<b>FILIP1L</b>	-1.07074577167374
<b>RNA5S13</b>	-1.22654274867809	<b>FIS1</b>	-1.66477010407881
<b>CRISPLD2</b>	-1.22707456183186	<b>FKBP10</b>	-1.87545637977584
<b>ARPC1B</b>	-1.22774630166214	<b>FKBP7</b>	-1.68647813516807
<b>RP11-452L6.1</b>	-1.22828818734894	<b>FLG</b>	-7.29108280405468
<b>NEBL</b>	-1.22874192790195	<b>FLNC</b>	-1.66779308877023
<b>RNF144A</b>	-1.23038517828148	<b>FLRT3</b>	-1.3439531016527
<b>RHEB</b>	-1.23056388931806	<b>FMO4</b>	-1.53474296418207
<b>MEPCE</b>	-1.23122810931556	<b>FN1</b>	-1.56001103912658
<b>LEAP2</b>	-1.2313032297366	<b>FNBP1P1</b>	-1.69167760020211
<b>EZH2P1</b>	-1.23140328856658	<b>FNDC3A</b>	-1.16719209252519
<b>ZNF667</b>	-1.23141856874956	<b>FNDC4</b>	-1.96679692117177
<b>RNU2-59P</b>	-1.23155679834169	<b>FOLR1</b>	-2.84538902413685
<b>SLC35B4</b>	-1.23176359804538	<b>FOXA2</b>	-2.96237417165126
<b>UBE2FP1</b>	-1.23201630019628	<b>FOXJ2</b>	-1.02791971269991
<b>RP11-115C21.2</b>	-1.23207055367919	<b>FOXL1</b>	-1.36795423615004
<b>CTXN1</b>	-1.23279353294514	<b>FOXP2</b>	-2.67723356862781
<b>AC144652.1</b>	-1.23376126734559	<b>FPR1</b>	-2.1975015685955
<b>STPG1</b>	-1.23405719279201	<b>FRMD3</b>	-1.05243109393928



<b>GRIK2</b>	-1.23435059996305	<b>FRMD5</b>	-2.41505129660022
<b>ZNF626</b>	-1.23438447689681	<b>FSPB</b>	-1.55139065197533
<b>LNX1</b>	-1.23458020747872	<b>FSTL3</b>	-1.21350828728926
<b>SLC17A3</b>	-1.23470643224243	<b>GABBR2</b>	-1.01192165070344
<b>LMNA</b>	-1.23479913961602	<b>GALNT3</b>	-3.71046658673796
<b>FAS</b>	-1.23540493941884	<b>GALNT5</b>	-5.99076845412303
<b>ANAPC2</b>	-1.2356098433547	<b>GAMT</b>	-1.38580919908729
<b>RPS7P14</b>	-1.23577414452352	<b>GAS6</b>	-2.02324869267469
<b>VEPH1</b>	-1.23729960579199	<b>GATA2</b>	-1.25736522056508
<b>MRPS33</b>	-1.23763125641343	<b>GATAD1</b>	-1.08810206547252
<b>CDCA3</b>	-1.23858674757409	<b>GATS</b>	-1.98441187283488
<b>RP11-660L16.2</b>	-1.23858708860999	<b>GBP2</b>	-1.00660013808482
<b>AGAP3</b>	-1.23883412911255	<b>GCKR</b>	-2.08992675667129
<b>RGS3</b>	-1.23958421239254	<b>GFPT2</b>	-2.90507609783617
<b>LINC01004</b>	-1.24053612396671	<b>GGT1</b>	-1.40293530045371
<b>TLR5</b>	-1.24059671844467	<b>GGTLC2</b>	-1.17805092698139
<b>SYT13</b>	-1.24113494259817	<b>GJA1</b>	-5.993732623996
<b>TMEM168</b>	-1.24117487702289	<b>GLCCI1</b>	-2.00383886095232
<b>NUB1</b>	-1.24208963100549	<b>GLIPR1</b>	-1.28896381123514
<b>WBSCR16</b>	-1.24208996567483	<b>GLIS1</b>	-1.19177934339811
<b>RFC2</b>	-1.24232887829793	<b>GLP2R</b>	-1.90163635571587
<b>CYTL1</b>	-1.24371254088267	<b>GLYATL1</b>	-1.01383923959103
<b>CALD1</b>	-1.24390265910738	<b>GLYATL2</b>	-1.21744050741083
<b>PLOD1</b>	-1.24443153869201	<b>GMNC</b>	-1.20843502015311
<b>PKDCC</b>	-1.24516483839946	<b>GNAI1</b>	-2.24356522648375
<b>TTC28-AS1</b>	-1.24526947812878	<b>GNAS-AS1</b>	-2.72742213889173
<b>MIR25</b>	-1.24541208162955	<b>GNAZ</b>	-2.524823776741
<b>CTD-2196E14.9</b>	-1.24565451572031	<b>GNB3</b>	-3.31601603579868
<b>QRICH2</b>	-1.24575212835483	<b>GNG11</b>	-1.51054985794803
<b>CDC14B</b>	-1.24708178281898	<b>GNGT1</b>	-2.3608478444142
<b>LAMA3</b>	-1.24763379319627	<b>GOLT1B</b>	-1.51989774464082
<b>ZNF783</b>	-1.2479084052493	<b>GPC1</b>	-1.30140920397815
<b>RP11-399019.9</b>	-1.24799304116386	<b>GPC4</b>	-1.40863082072167
<b>ICAM3</b>	-1.24831510888575	<b>GPI</b>	-1.2770521238925
<b>MLLT11</b>	-1.24914965556262	<b>GPR1</b>	-4.36231501516776
<b>HSPB1P1</b>	-1.249413979372	<b>GPR115</b>	-1.57844655966993
<b>RRP1</b>	-1.25030677387286	<b>GPR132</b>	-3.78990071846148
<b>RNA5S8</b>	-1.25084805051462	<b>GPR156</b>	-1.65007812799999
<b>EIF4H</b>	-1.25109102762457	<b>GPR19</b>	-1.41661396171872
<b>LRWD1</b>	-1.25222360552884	<b>GPR64</b>	-2.50204757765274
<b>CRABP2</b>	-1.25255867616126	<b>GPR68</b>	-2.34719233365973
<b>TRIP6</b>	-1.25354874786306	<b>GPR75</b>	-1.21607619124165
<b>RP11-342K6.1</b>	-1.2541944852005	<b>GPRC5B</b>	-2.04529697506362
<b>AFP</b>	-1.25491984895881	<b>GPRIN2</b>	-2.69159895673667
<b>CD82</b>	-1.25527234639599	<b>GPRIN3</b>	-2.56852942690472
<b>ERICH2</b>	-1.25652066474636	<b>GPSM1</b>	-1.2761826608813
<b>PHTF2</b>	-1.256875987917	<b>GPX3</b>	-4.78691205036929
<b>GATA2</b>	-1.25736522056508	<b>GRB7</b>	-4.06177243743093
<b>ELL2</b>	-1.25820546514624	<b>GRIK2</b>	-1.23435059996305
<b>RPL13P5</b>	-1.25880258756225	<b>GRIK4</b>	-3.70424402574295

<b>BTG3</b>	-1.2593456861215	<b>GRIN2B</b>	-4.648407930829
<b>N6AMT2</b>	-1.25945559581657	<b>GS1-358P8.4</b>	-1.31363243369862
<b>HSPB1</b>	-1.26009204096166	<b>GSAP</b>	-1.33094591974123
<b>RSBN1L</b>	-1.26058247474815	<b>GSE1</b>	-1.33681781209983
<b>RILPL2</b>	-1.26065544037065	<b>GTF2I</b>	-1.33537684726326
<b>MAGEH1</b>	-1.26071971870586	<b>GTF2IP1</b>	-1.41465495750497
<b>SNORA73B</b>	-1.26123225794949	<b>GTF2IRD1</b>	-1.52645142578484
<b>C9orf3</b>	-1.2627763512653	<b>GTPBP10</b>	-1.29067826078968
<b>NCAPG2</b>	-1.26317584280632	<b>GUCA1C</b>	-1.36202415674813
<b>DDX3YP1</b>	-1.26329293825055	<b>GUCY1A3</b>	-1.60538217456001
<b>ABCF2P1</b>	-1.26348213059051	<b>GUCY1B3</b>	-2.13660770246449
<b>EEF1A2</b>	-1.26358873676554	<b>HABP2</b>	-1.42000406212123
<b>RP4-607J23.2</b>	-1.26407257056332	<b>HAS3</b>	-2.10599294295897
<b>NREP</b>	-1.26468286669716	<b>HAVCR2</b>	-1.74719476934299
<b>PRICKLE2</b>	-1.26473014542604	<b>HCN2</b>	-1.48425629644625
<b>RRM2P3</b>	-1.2657356506266	<b>HHIPL2</b>	-4.53591129349724
<b>IL22RA1</b>	-1.26575305515194	<b>HIP1</b>	-1.15814150918581
<b>RP11-7O14.1</b>	-1.26636322960627	<b>HIPK2</b>	-2.07581581377302
<b>FAM13A-AS1</b>	-1.26712266030382	<b>HIVEP3</b>	-1.80069751915142
<b>IFI27</b>	-1.26880288945948	<b>HLF</b>	-1.47086784253054
<b>RP5-1063M23.2</b>	-1.26991256424948	<b>HMGN2</b>	-1.05548311312017
<b>RP11-644F5.10</b>	-1.27131178830919	<b>HMGN2P3</b>	-1.15688881392725
<b>BAIAP2L2</b>	-1.27144260688694	<b>HMMR</b>	-1.07874407467537
<b>NCAPD2</b>	-1.2735497791924	<b>HNFB1A</b>	-1.87277765821167
<b>DNAJC30</b>	-1.27442952561443	<b>HNMT</b>	-2.23367206635243
<b>CISH</b>	-1.27528824643482	<b>HNRNPA1P28</b>	-1.01985504451665
<b>AC083900.1</b>	-1.2754362792542	<b>HNRNPA1P51</b>	-1.19277216187352
<b>GPSM1</b>	-1.2761826608813	<b>HOXA4</b>	-1.15433899011245
<b>C7orf55-LUC7L2</b>	-1.27623428078881	<b>HOXB8</b>	-1.44874865506613
<b>MTMR11</b>	-1.27646852469462	<b>HOXC6</b>	-1.49489142034515
<b>AC002467.7</b>	-1.27649964560479	<b>HOXC8</b>	-1.05756798350023
<b>GPI</b>	-1.2770521238925	<b>HPGD</b>	-1.29607319677992
<b>CASKIN2</b>	-1.28022354053088	<b>HRASLS</b>	-1.75686952262107
<b>DPY19L2P2</b>	-1.28167959969544	<b>HSD17B8</b>	-1.43354732889368
<b>DHRS11</b>	-1.28227003721382	<b>HSD3B7</b>	-2.4218958006096
<b>SLFN13</b>	-1.28401482393472	<b>HSDL2</b>	-1.07008024612224
<b>LYPD1</b>	-1.28512465616898	<b>HSPA12A</b>	-2.34286505842173
<b>SCNN1A</b>	-1.28540481495062	<b>HSPA6</b>	-1.05687803537012
<b>ATP1A3</b>	-1.28550607668908	<b>HSPB1</b>	-1.26009204096166
<b>ZCWPW1</b>	-1.28649237338019	<b>HSPB1P1</b>	-1.249413979372
<b>RP11-517B11.7</b>	-1.28738429196036	<b>HSPB1P2</b>	-1.35704628295305
<b>P2RY11</b>	-1.28775134472407	<b>HTR7P1</b>	-1.06856106275943
<b>GLIPR1</b>	-1.28896381123514	<b>ICAM3</b>	-1.24831510888575
<b>ZYX</b>	-1.28921909995491	<b>ID1</b>	-2.49553441939276
<b>ERGIC1</b>	-1.28968021188091	<b>ID2</b>	-1.14330570306327
<b>PTPRN2</b>	-1.2897752666546	<b>ID3</b>	-5.82185155317149
<b>ARMC10</b>	-1.29052034666425	<b>IDS</b>	-1.01232734890594
<b>GTPBP10</b>	-1.29067826078968	<b>IFFO2</b>	-1.4228434184025
<b>F3</b>	-1.29225960364333	<b>IFI27</b>	-1.26880288945948
<b>CDKN2C</b>	-1.29244496140952	<b>IFNLR1</b>	-2.7251908167564

<b>ATAD3A</b>	-1.29283937353238	<b>IGFBP1</b>	-1.50837763298161
<b>CTD-2203K17.1</b>	-1.29345151872695	<b>IKBKG</b>	-1.2154673968793
<b>RNA5S3</b>	-1.29452269349183	<b>IL11</b>	-1.34561744012172
<b>DCBLD2</b>	-1.2952662749657	<b>IL1R1</b>	-1.80697595986079
<b>AP1S1</b>	-1.29586244336904	<b>IL1R2</b>	-2.43602808870513
<b>HPGD</b>	-1.29607319677992	<b>IL22RA1</b>	-1.26575305515194
<b>C7orf61</b>	-1.29627164672147	<b>ILDR2</b>	-4.6607240307511
<b>ZNF3</b>	-1.29719227218287	<b>ILF3-AS1</b>	-1.01174193847564
<b>RUNX2</b>	-1.29919071166335	<b>IMMP2L</b>	-2.21736791801263
<b>TMEM208</b>	-1.29938573936215	<b>IMPDH1</b>	-1.34698324323474
<b>POR</b>	-1.30104564482593	<b>IMPDH1P4</b>	-1.18352620792102
<b>GPC1</b>	-1.30140920397815	<b>ING3</b>	-1.12985468053265
<b>BTBD16</b>	-1.30247675418542	<b>INSIG1</b>	-1.64466984031154
<b>TRIM22</b>	-1.3030915425752	<b>INTS6</b>	-1.01559734197406
<b>SRI</b>	-1.30511925552007	<b>IPO13</b>	-1.09622259879379
<b>AC007040.7</b>	-1.30569805207442	<b>IQCB1</b>	-1.20890760943814
<b>BOLA3-AS1</b>	-1.30639778542404	<b>IRF6</b>	-1.12332546974903
<b>RP3-359N14.1</b>	-1.30640692195746	<b>IRF7</b>	-3.27106829742525
<b>RP11-613M10.6</b>	-1.30787013702474	<b>IRX5</b>	-1.03688582132355
<b>SLC26A1</b>	-1.30903887301423	<b>ITGB5</b>	-1.46280277545251
<b>RP11-100G15.7</b>	-1.31014130821348	<b>ITGB8</b>	-1.3893986728154
<b>ENC1</b>	-1.31121381604294	<b>ITIH5</b>	-1.47277413670035
<b>RP4-813F11.4</b>	-1.31242781506042	<b>ITM2C</b>	-1.34472325718624
<b>ATN1</b>	-1.31316241982173	<b>ITPR1</b>	-2.12163526205679
<b>RBM28</b>	-1.3134349567165	<b>JAG1</b>	-1.35452328166317
<b>GS1-358P8.4</b>	-1.31363243369862	<b>JAK3</b>	-2.20706038165797
<b>MAFG-AS1</b>	-1.31470016886973	<b>JAZF1</b>	-1.00873724853325
<b>C9orf85</b>	-1.31550216121312	<b>KALRN</b>	-1.38176200268519
<b>TAF7</b>	-1.31814498178058	<b>KCND1</b>	-1.00506390521064
<b>TMEM133</b>	-1.31933758449658	<b>KCNH2</b>	-5.52047324263345
<b>CCDC183-AS1</b>	-1.31945591661185	<b>KCNIP3</b>	-1.06958416751472
<b>TPRN</b>	-1.32119533466842	<b>KCNJ15</b>	-2.8044812552652
<b>CTC-534B23.1</b>	-1.3226547485753	<b>KCNJ16</b>	-1.95151130220558
<b>SNHG18</b>	-1.32293489490149	<b>KCNK1</b>	-5.16938507224926
<b>DBF4</b>	-1.32352560344444	<b>KCNK2</b>	-1.59120232477023
<b>PPP1R35</b>	-1.32496338783966	<b>KCNN4</b>	-1.39305987989989
<b>RNA5S12</b>	-1.32713960493969	<b>KCNS3</b>	-1.85351121620081
<b>B4GALNT1</b>	-1.32726886595771	<b>KDM1A</b>	-1.0702746954194
<b>RHBDF2</b>	-1.3286162432577	<b>KDM4A-AS1</b>	-1.17208800668757
<b>EPS8</b>	-1.32871024826877	<b>KDM5D</b>	-7.01796630684176
<b>RP11-448A19.1</b>	-1.32988222264068	<b>KIAA0195</b>	-1.36303655565541
<b>GSAP</b>	-1.33094591974123	<b>KIAA0513</b>	-2.64739203758686
<b>ZKSCAN1</b>	-1.33167236024784	<b>KIAA1024</b>	-1.67619788531494
<b>TRO</b>	-1.332316247628	<b>KIAA1147</b>	-1.73960686163743
<b>SMURF1</b>	-1.33236535723685	<b>KIAA1462</b>	-1.76313341332695
<b>BAZ1B</b>	-1.33243455846834	<b>KIAA1549</b>	-1.02045083335345
<b>TGFBR3L</b>	-1.3325266218139	<b>KIAA1644</b>	-1.03073715596831
<b>C1orf51</b>	-1.3338954294875	<b>KIAA1755</b>	-2.77769500716279
<b>LRRC37A3</b>	-1.33474055702524	<b>KIF3C</b>	-1.0229009639348
<b>ABCA17P</b>	-1.33500644698175	<b>KIF7</b>	-2.74583351891817

<b>ACTR3C</b>	-1.33514269852322	<b>KITLG</b>	-2.17546974381561
<b>GTF2I</b>	-1.33537684726326	<b>KLC3</b>	-2.58697029189038
<b>RP11-424G14.1</b>	-1.33556285942092	<b>KLHDC10</b>	-1.15287291456466
<b>CAMK4</b>	-1.33580278212895	<b>KLHL13</b>	-1.70635655888062
<b>RP11-249L21.4</b>	-1.33593332177463	<b>KLHL21</b>	-1.040650159877
<b>ARHGEF19</b>	-1.33600854529669	<b>KLHL4</b>	-3.03074319327015
<b>GSE1</b>	-1.33681781209983	<b>KLRAP1</b>	-1.51100042510034
<b>YWHAG</b>	-1.33698274073203	<b>KLRC1</b>	-1.19279488835365
<b>RP11-453F18__B.</b>	-1.33772388199178	<b>KMO</b>	-3.93951610226074
<b>C21orf58</b>	-1.33827531649619	<b>KMT2E-AS1</b>	-1.40081758539817
<b>UBE2G2</b>	-1.33907738559269	<b>KRBA1</b>	-1.86771070460358
<b>RP11-537H15.4</b>	-1.34077623754697	<b>KRIT1</b>	-1.1415706370725
<b>FLRT3</b>	-1.3439531016527	<b>KRT19</b>	-2.08241141873772
<b>ITM2C</b>	-1.34472325718624	<b>KRT19P1</b>	-1.98859782959576
<b>CLOCK</b>	-1.34477231828527	<b>KRT223P</b>	-3.96800481179923
<b>IL11</b>	-1.34561744012172	<b>KRT79</b>	-3.70136924227024
<b>IMPDH1</b>	-1.34698324323474	<b>KRT8</b>	-1.08783469433466
<b>SLCO4A1</b>	-1.34797814494335	<b>KRT8P13</b>	-1.12303128596687
<b>TMEM158</b>	-1.34809144073019	<b>KRT8P3</b>	-1.01610940669398
<b>RP11-134G8.8</b>	-1.34861960589714	<b>KRT8P41</b>	-1.21338156704871
<b>PAICS</b>	-1.35003003073076	<b>KRT8P45</b>	-1.02259798339573
<b>RP11-522I20.3</b>	-1.35027024051915	<b>KY</b>	-2.82040219269903
<b>OR2A1-AS1</b>	-1.35129974722587	<b>L3MBTL4</b>	-4.5289784070167
<b>TFCP2L1</b>	-1.35259399097551	<b>LAMA3</b>	-1.24763379319627
<b>MTCP1</b>	-1.35360126711763	<b>LAYN</b>	-5.36079333164028
<b>SCN9A</b>	-1.35373247185598	<b>LCA5L</b>	-2.22690680506355
<b>JAG1</b>	-1.35452328166317	<b>LCK</b>	-1.57650450266459
<b>RNA5S15</b>	-1.35493652950625	<b>LDHB</b>	-0.998696212284354
<b>EPB41</b>	-1.35496328841728	<b>LDHBP2</b>	-1.08490904429771
<b>NUP205</b>	-1.35528293065473	<b>LDLRAP1</b>	-1.82452802902165
<b>AC142293.3</b>	-1.35573429304652	<b>LEAP2</b>	-1.2313032297366
<b>TLE6</b>	-1.35625254440726	<b>LEPREL2</b>	-3.11490544222787
<b>HSPB1P2</b>	-1.35704628295305	<b>LINC00261</b>	-1.7232144911947
<b>ADAMTS1</b>	-1.35951151257254	<b>LINC00263</b>	-1.11056024862664
<b>TLE1</b>	-1.36050849932936	<b>LINC00278</b>	-1.99818791366258
<b>CTD-2186M15.3</b>	-1.36122559909196	<b>LINC00460</b>	-2.62629633833281
<b>MCEE</b>	-1.3619400246487	<b>LINC00467</b>	-1.02601298909218
<b>RP11-368L12.1</b>	-1.36200518938368	<b>LINC00475</b>	-3.04088949885824
<b>GUCA1C</b>	-1.36202415674813	<b>LINC00478</b>	-1.04530096976331
<b>RPH3AL</b>	-1.36208564705035	<b>LINC00634</b>	-1.12897537976566
<b>PMPCB</b>	-1.36240832194871	<b>LINC00665</b>	-5.76331630487695
<b>KIAA0195</b>	-1.36303655565541	<b>LINC00702</b>	-2.08292579369283
<b>CTC-428G20.3</b>	-1.36435485884268	<b>LINC00704</b>	-5.02538983979673
<b>FAM225B</b>	-1.36477638208254	<b>LINC00707</b>	-1.20488041470389
<b>TES</b>	-1.36510114704876	<b>LINC00882</b>	-1.07626245442256
<b>CCBE1</b>	-1.36517132298986	<b>LINC00961</b>	-1.1248431578916
<b>CASC15</b>	-1.36541432492196	<b>LINC00973</b>	-1.16492704887833
<b>UPB1</b>	-1.36769677241104	<b>LINC00998</b>	-1.20440547919038
<b>FOXL1</b>	-1.36795423615004	<b>LINC01004</b>	-1.24053612396671
<b>S100A4</b>	-1.37027498046914	<b>LINC01011</b>	-1.01166344941315

<b>AL035610.1</b>	-1.37047969243617	<b>LINC01111</b>	-1.54848043143136
<b>ADAMTS6</b>	-1.37346373911336	<b>LINC01116</b>	-1.07087230466423
<b>EFHD2</b>	-1.373558459663	<b>LMAN1</b>	-0.992108670815045
<b>PTGFRN</b>	-1.37358691404223	<b>LMBR1</b>	-1.12048274307942
<b>TMEM17</b>	-1.37459516582755	<b>LMNA</b>	-1.23479913961602
<b>CP</b>	-1.37471205350393	<b>LMO4</b>	-1.05397895639305
<b>RP11-301G19.1</b>	-1.37475910883244	<b>LMO7</b>	-1.02476557466024
<b>PSMC2</b>	-1.37625708773428	<b>LNP1</b>	-2.04885009723518
<b>FBXL13</b>	-1.37921187506028	<b>LNX1</b>	-1.23458020747872
<b>PORCN</b>	-1.37945768394752	<b>LPAR1</b>	-1.99488561258013
<b>DPYD</b>	-1.37977588589005	<b>LPCAT1</b>	-1.17447085509392
<b>AC011718.1</b>	-1.38113525771037	<b>LPCAT2</b>	-2.31426814904929
<b>SLITRK5</b>	-1.38115229369148	<b>LPPR5</b>	-1.88623464051087
<b>RP5-886K2.3</b>	-1.38163998849756	<b>LPXN</b>	-1.09359509318826
<b>KALRN</b>	-1.38176200268519	<b>LRCH1</b>	-1.11866383603949
<b>PDLIM4</b>	-1.38313937674669	<b>LRCH2</b>	-2.19412818432615
<b>RNA5S7</b>	-1.38336264781273	<b>LRCH4</b>	-1.0537194771312
<b>RP3-398G3.5</b>	-1.38395483635287	<b>LRP1</b>	-1.08962655813358
<b>FAM211B</b>	-1.38415451020405	<b>LRP12</b>	-1.00597754598807
<b>ABCF2</b>	-1.38513136049994	<b>LRRC23</b>	-1.06961130318262
<b>ZBED6CL</b>	-1.38537676870858	<b>LRRC34</b>	-1.73370998665226
<b>ZNF117</b>	-1.38538261890818	<b>LRRC37A3</b>	-1.33474055702524
<b>GAMT</b>	-1.38580919908729	<b>LRRK2</b>	-1.40034446493514
<b>SLC4A2</b>	-1.3858759703808	<b>LRWD1</b>	-1.25222360552884
<b>PCYOX1L</b>	-1.38649055877516	<b>LTBP1</b>	-2.40963179477459
<b>FAM3C2</b>	-1.38746894994549	<b>LUM</b>	-3.39491089511331
<b>B3GNT6</b>	-1.38774832979055	<b>LXN</b>	-1.15989950347926
<b>CTA-29F11.1</b>	-1.38892705361468	<b>LYPD1</b>	-1.28512465616898
<b>ZNF439</b>	-1.38926986758467	<b>LYRM1</b>	-1.11019597139713
<b>ITGB8</b>	-1.3893986728154	<b>LYRM5</b>	-1.03846804542487
<b>KCNN4</b>	-1.39305987989989	<b>MAF</b>	-2.70565930793551
<b>NSUN5</b>	-1.39393205215468	<b>MAFG-AS1</b>	-1.31470016886973
<b>ZNF486</b>	-1.39501338640364	<b>MAGED1</b>	-1.04697260732399
<b>MTSS1L</b>	-1.3952780103244	<b>MAGEH1</b>	-1.26071971870586
<b>FGFRL1</b>	-1.39926607490426	<b>MAGOHB</b>	-1.45570253330974
<b>MCM7</b>	-1.40014398666726	<b>MALL</b>	-1.74216367396648
<b>SSNA1</b>	-1.40016671953689	<b>MALRD1</b>	-2.34297035575447
<b>STYXL1</b>	-1.40025895079969	<b>MAMDC4</b>	-1.17868998477561
<b>LRRK2</b>	-1.40034446493514	<b>MANSC1</b>	-1.19020854997467
<b>KMT2E-AS1</b>	-1.40081758539817	<b>MAOA</b>	-3.33595826476442
<b>POLR2J</b>	-1.40085432831984	<b>MAP2K6</b>	-2.68121120794064
<b>NSUN5P1</b>	-1.40117349718762	<b>MAP3K14</b>	-1.6043510773145
<b>RINT1</b>	-1.40202705398561	<b>MAP3K7CL</b>	-1.45642483908819
<b>UBE3C</b>	-1.40259913124611	<b>MAP7D2</b>	-4.01763984408144
<b>GGT1</b>	-1.40293530045371	<b>MAPK10</b>	-1.08037901795783
<b>DONSON</b>	-1.40299911860588	<b>MAPK8IP2</b>	-3.11336715137712
<b>ORAI2</b>	-1.40305225215241	<b>MAPK9</b>	-1.03299643288973
<b>PDIK1L</b>	-1.40393900911585	<b>MAPKAPK3</b>	-1.19957886745824
<b>MMP7</b>	-1.40427227884426	<b>MAPRE3</b>	-3.22836901358422
<b>PER2</b>	-1.4050078323739	<b>MARCH3</b>	-1.97778502754937

<b>AMACR</b>	-1.40548905645385	<b>MASP2</b>	-1.76836859004612
<b>GPC4</b>	-1.40863082072167	<b>MBL2</b>	-1.63842647385895
<b>RCSD1</b>	-1.40866578297153	<b>MBNL3</b>	-1.20149289207947
<b>ACN9</b>	-1.40881927277216	<b>MCC</b>	-2.37519817285719
<b>FAM83H</b>	-1.40935813211817	<b>MCEE</b>	-1.3619400246487
<b>RTKN</b>	-1.40978864303171	<b>MCM7</b>	-1.40014398666726
<b>TUBA4A</b>	-1.41297064647117	<b>MCTP2</b>	-1.97009811630968
<b>MPZL3</b>	-1.41310122453024	<b>MDFIC</b>	-1.56504661434759
<b>ABCC6P2</b>	-1.4140094793513	<b>MDH2</b>	-1.59051728881916
<b>DICER1-AS1</b>	-1.41424697550309	<b>MDM2</b>	-1.04104979508373
<b>ATP5J2</b>	-1.41427248981714	<b>MEF2C</b>	-2.18335545322803
<b>GTF2IP1</b>	-1.41465495750497	<b>MEPCE</b>	-1.23122810931556
<b>MPP1</b>	-1.4161753532597	<b>MET</b>	-2.06155257107831
<b>GPR19</b>	-1.41661396171872	<b>METTL2B</b>	-1.13987747470622
<b>SLC25A40</b>	-1.41757021408901	<b>METTL7B</b>	-2.10327631212661
<b>DHRS9</b>	-1.4175983282299	<b>MFNG</b>	-1.03508973349009
<b>HABP2</b>	-1.42000406212123	<b>MFSD2A</b>	-2.86669232191414
<b>RRAD</b>	-1.42021061402596	<b>MGMT</b>	-5.70468285136659
<b>RNA5S6</b>	-1.42129707208935	<b>MIR155HG</b>	-1.74623681909429
<b>CREB3L2</b>	-1.42156430595078	<b>MIR25</b>	-1.24541208162955
<b>IFFO2</b>	-1.4228434184025	<b>MIR296</b>	-1.84018950492888
<b>PDAP1</b>	-1.42383561819161	<b>MIR4653</b>	-1.0856505206396
<b>SIK1</b>	-1.4277851234317	<b>MITF</b>	-2.35332844202118
<b>SLC25A10</b>	-1.42798729506729	<b>MKLN1</b>	-0.998508778522896
<b>PINK1-AS</b>	-1.42921764092079	<b>MLF2</b>	-1.21990947764846
<b>PRKAG2-AS1</b>	-1.4292427237028	<b>MLLT11</b>	-1.24914965556262
<b>PDIA4</b>	-1.43128138186638	<b>MMP13</b>	-3.50465992515455
<b>PYCARD</b>	-1.43256862562684	<b>MMP7</b>	-1.40427227884426
<b>HSD17B8</b>	-1.43354732889368	<b>MOK</b>	-2.76554992168211
<b>WASL</b>	-1.43797914386414	<b>MPP1</b>	-1.4161753532597
<b>WDR72</b>	-1.43953059351747	<b>MPZL3</b>	-1.41310122453024
<b>CHAF1B</b>	-1.43973086774046	<b>MRPL33</b>	-1.64077407422928
<b>CYB561</b>	-1.44091015866243	<b>MRPS33</b>	-1.23763125641343
<b>AP000569.9</b>	-1.44180127603074	<b>MRPS35</b>	-1.18289642333016
<b>ASPHD1</b>	-1.44316216754862	<b>MRT04</b>	-1.20347113506324
<b>STRIP2</b>	-1.44340887649172	<b>MSRB3</b>	-1.11730411514547
<b>AMN1</b>	-1.44481994090604	<b>MSX2</b>	-3.39450401779448
<b>BCAP29</b>	-1.44531929392092	<b>MTCP1</b>	-1.35360126711763
<b>RP11-598F7.5</b>	-1.44667867020889	<b>MTL5</b>	-2.02307672098367
<b>SEC14L6</b>	-1.44734073555701	<b>MTMR11</b>	-1.27646852469462
<b>RNU4-2</b>	-1.44812506714905	<b>MTPN</b>	-1.15042226799058
<b>HOXB8</b>	-1.44874865506613	<b>MTSS1</b>	-1.10073909471909
<b>CCBL1</b>	-1.44880885036193	<b>MTSS1L</b>	-1.3952780103244
<b>SPSB2</b>	-1.44891451615185	<b>MUC12</b>	-2.1921944088152
<b>ASAP3</b>	-1.44982290850554	<b>MVB12B</b>	-1.72537670202048
<b>EPS8L1</b>	-1.4504845092102	<b>MYCBP</b>	-1.00561504924586
<b>NSUN5P2</b>	-1.45286554043515	<b>MYEOV</b>	-3.12811865504882
<b>SND1</b>	-1.45328999068112	<b>MYH13</b>	-2.68908339170111
<b>CBR3</b>	-1.45475176096378	<b>MYH15</b>	-2.17150640046527
<b>MAGOHB</b>	-1.45570253330974	<b>MYH16</b>	-2.01824673898841

<b>MAP3K7CL</b>	-1.45642483908819	<b>MYL9</b>	-8.71288354678854
<b>SH3BGL3</b>	-1.45685367561205	<b>MYLK</b>	-1.05825774454905
<b>CHPF2</b>	-1.45813863697618	<b>MYLK-AS1</b>	-1.07730847025792
<b>RGS5</b>	-1.45928850782908	<b>MYO15B</b>	-1.00429279045305
<b>ATP2B4</b>	-1.46062160927894	<b>MYOM3</b>	-3.17717534428266
<b>RP11-283G6.3</b>	-1.46153357814496	<b>MZT1</b>	-1.0499114479942
<b>ADIRF-AS1</b>	-1.46238601628802	<b>N6AMT1</b>	-1.16963539765582
<b>PMS2P1</b>	-1.46263265849104	<b>N6AMT2</b>	-1.25945559581657
<b>ITGB5</b>	-1.46280277545251	<b>NAA38</b>	-1.22549261630757
<b>CTD-2620I22.2</b>	-1.46504113707136	<b>NAA50</b>	-1.07670439013957
<b>PHOSPHO1</b>	-1.46954466249583	<b>NAAA</b>	-2.029317111597771
<b>WBSCR22</b>	-1.47053974497309	<b>NACAD</b>	-1.56139949258065
<b>HLF</b>	-1.47086784253054	<b>NACC2</b>	-0.997606843743906
<b>RP11-290L1.6</b>	-1.47157020950421	<b>NAMPT</b>	-1.20093254462958
<b>AKAP9</b>	-1.47189738297749	<b>NAPEPLD</b>	-1.07725295882487
<b>ITIH5</b>	-1.47277413670035	<b>NAPRT1</b>	-1.04257648409413
<b>VCAN</b>	-1.47305904939188	<b>NAT14</b>	-1.67171582445482
<b>BCL7B</b>	-1.47511251531383	<b>NCAM1</b>	-4.1077525884581
<b>FAT2</b>	-1.47517942674687	<b>NCAPD2</b>	-1.2735497791924
<b>RNA5S10</b>	-1.47550636290607	<b>NCAPD2P1</b>	-1.12650306035955
<b>CTD-3018O17.3</b>	-1.48044395706523	<b>NCAPG2</b>	-1.26317584280632
<b>ODCP</b>	-1.4814584836903	<b>NCBP1</b>	-1.01733687193256
<b>SNHG3</b>	-1.48258312734834	<b>NCF2</b>	-2.14308645274543
<b>FHL2</b>	-1.48272590848711	<b>NCKAP5</b>	-3.00166578988834
<b>TMUB1</b>	-1.48282718155461	<b>NCS1</b>	-1.18237064161917
<b>BAIAP2L1</b>	-1.48303997392218	<b>NDN</b>	-6.03834324390368
<b>RNA5S17</b>	-1.48415527049151	<b>NDUFA5</b>	-1.69880005740766
<b>HCN2</b>	-1.48425629644625	<b>NDUFB2</b>	-1.11613292265361
<b>RP11-498C9.15</b>	-1.48483614276355	<b>NDUFB2-AS1</b>	-1.10869706570766
<b>RP5-1172A22.1</b>	-1.4900156401761	<b>NEBL</b>	-1.22874192790195
<b>ACACB</b>	-1.49065047276062	<b>NEDD9</b>	-1.6805041275842
<b>RP11-393M11.2</b>	-1.49183117549221	<b>NEO1</b>	-1.18826277396789
<b>CYTH4</b>	-1.4919122532732	<b>NGF</b>	-2.43094166749568
<b>RP11-83N9.5</b>	-1.49259464752877	<b>NHS</b>	-1.74193221814881
<b>SBDSP1</b>	-1.493752593481	<b>NID1</b>	-6.52083750775042
<b>ARHGEF34P</b>	-1.49443529747441	<b>NINJ1</b>	-1.62302068778652
<b>HOXC6</b>	-1.49489142034515	<b>NLGN4Y</b>	-4.87125037516848
<b>CTC-559E9.5</b>	-1.49541948333369	<b>NLRP1</b>	-1.99519490385793
<b>PMS2P5</b>	-1.49544266572131	<b>NMU</b>	-3.94092013304041
<b>POM121C</b>	-1.49595959756345	<b>NOM1</b>	-1.57014203773626
<b>RRM2</b>	-1.49652338114812	<b>NOP16</b>	-1.04397357687827
<b>RP11-64B16.2</b>	-1.49658643786731	<b>NOP2</b>	-1.03924847773243
<b>ECM1</b>	-1.49698400915653	<b>NPL</b>	-2.33977800068525
<b>ARPC1A</b>	-1.49781125618738	<b>NPY4R</b>	-2.81929772938366
<b>TMEM200B</b>	-1.50076421382319	<b>NREP</b>	-1.26468286669716
<b>PROM2</b>	-1.503588509214	<b>NRP1</b>	-2.09664903797841
<b>RP11-396K3.1</b>	-1.50403749800873	<b>NRP2</b>	-2.94225436943766
<b>TGIF2</b>	-1.5044111312016	<b>NSUN5</b>	-1.39393205215468
<b>ERV3-1</b>	-1.50517450234628	<b>NSUN5P1</b>	-1.40117349718762
<b>IGFBP1</b>	-1.50837763298161	<b>NSUN5P2</b>	-1.45286554043515

<b>XXyac-YM21GA2.4</b>	-1.50981330884101	<b>NTM</b>	-1.84087763076629
<b>FAM90A1</b>	-1.51021103543431	<b>NTNG1</b>	-1.85423971950683
<b>PDGFD</b>	-1.51048060321861	<b>NUB1</b>	-1.24208963100549
<b>GNG11</b>	-1.51054985794803	<b>NUP205</b>	-1.35528293065473
<b>AC027307.3</b>	-1.51060282539439	<b>NYAP2</b>	-2.06243236914658
<b>KLRAP1</b>	-1.51100042510034	<b>ODCP</b>	-1.4814584836903
<b>RP11-535M15.1</b>	-1.51343916149248	<b>OLFML2B</b>	-2.35300176453667
<b>RP11-286H14.6</b>	-1.51652718219975	<b>OR2A1-AS1</b>	-1.35129974722587
<b>S1PR3</b>	-1.5171359815928	<b>ORAI2</b>	-1.40305225215241
<b>PLTP</b>	-1.51857476845822	<b>ORC5</b>	-1.54989766709973
<b>GOLT1B</b>	-1.51989774464082	<b>P2RX6</b>	-1.10649429016935
<b>CAPZA2</b>	-1.51990330982116	<b>P2RY11</b>	-1.28775134472407
<b>RP11-395B7.7</b>	-1.52230370084061	<b>PAICS</b>	-1.35003003073076
<b>CD274</b>	-1.52258453786819	<b>PAICSP4</b>	-1.584038592754
<b>SNHG7</b>	-1.52355057661655	<b>PAK3</b>	-2.31612352293559
<b>CD163L1</b>	-1.52355947090157	<b>PAN3-AS1</b>	-1.03967303303195
<b>GTF2IRD1</b>	-1.52645142578484	<b>PANX2</b>	-1.18995082414531
<b>EZH2</b>	-1.52729628318896	<b>PAX2</b>	-3.46664478281236
<b>SGCE</b>	-1.53144732065922	<b>PAXBP1-AS1</b>	-1.15488741609971
<b>RP11-320A16.1</b>	-1.5330360754828	<b>PAXIP1</b>	-1.58641592551062
<b>ZNF471</b>	-1.53310248063236	<b>PAXIP1-AS1</b>	-1.10442253286853
<b>FMO4</b>	-1.53474296418207	<b>PCBP1-AS1</b>	-1.05601876577079
<b>ULBP2</b>	-1.53617657401928	<b>PCDH7</b>	-1.17363946759686
<b>U47924.30</b>	-1.54018166887383	<b>PCDHGA9</b>	-1.11455735471391
<b>CTA-929C8.7</b>	-1.54029172569239	<b>PCDHGB6</b>	-2.64328418799346
<b>AFF3</b>	-1.54550389638947	<b>PCDHGC5</b>	-1.58323909199426
<b>POM121B</b>	-1.54811145948262	<b>PCDP1</b>	-1.59739532295959
<b>LINC01111</b>	-1.54848043143136	<b>PCSK5</b>	-3.24295962420057
<b>AACSP1</b>	-1.54935042770702	<b>PCSK6</b>	-1.17189133693328
<b>ORC5</b>	-1.54989766709973	<b>PCYOX1L</b>	-1.38649055877516
<b>FSBP</b>	-1.55139065197533	<b>PDAP1</b>	-1.42383561819161
<b>SDC1</b>	-1.5539624592857	<b>PDE6A</b>	-1.57515441272102
<b>AREG</b>	-1.55669703567091	<b>PDGFD</b>	-1.51048060321861
<b>CDC42EP3</b>	-1.55839220305586	<b>PDGFRB</b>	-2.18314953779927
<b>EFNB2</b>	-1.55885464865145	<b>PDIA4</b>	-1.43128138186638
<b>FN1</b>	-1.56001103912658	<b>PDIK1L</b>	-1.40393900911585
<b>NACAD</b>	-1.56139949258065	<b>PDLIM4</b>	-1.38313937674669
<b>MDFIC</b>	-1.56504661434759	<b>PDXK</b>	-1.02439180955509
<b>RNA5S5</b>	-1.56921983166226	<b>PEG10</b>	-7.9147399555245
<b>NOM1</b>	-1.57014203773626	<b>PER1</b>	-1.17145756462411
<b>RP11-649A18.7</b>	-1.5713599408682	<b>PER2</b>	-1.4050078323739
<b>RP11-383J24.6</b>	-1.5715298107283	<b>PEX5L</b>	-2.74132830557401
<b>BCAS1</b>	-1.57305728722663	<b>PHB2</b>	-1.09623775326405
<b>SLC19A1</b>	-1.57385606901404	<b>PHB2P1</b>	-0.995331419387175
<b>PDE6A</b>	-1.57515441272102	<b>PHLDA3</b>	-1.04006469243031
<b>CDK5</b>	-1.57596956367706	<b>PHOSPHO1</b>	-1.46954466249583
<b>LCK</b>	-1.57650450266459	<b>PHTF2</b>	-1.256875987917
<b>RP11-16F15.2</b>	-1.57795408246635	<b>PIGP</b>	-1.03160389983859
<b>GPR115</b>	-1.57844655966993	<b>PIM1</b>	-1.98282339725823
<b>S100A6</b>	-1.57859317319288	<b>PINK1-AS</b>	-1.42921764092079



<b>TMCO3</b>	-1.5800269694914	<b>PITHD1</b>	-1.14953831096703
<b>FAM200A</b>	-1.5816115399876	<b>PITPNM2</b>	-1.71773162101658
<b>CNR1</b>	-1.58247300796741	<b>PKDCC</b>	-1.24516483839946
<b>DMRTA1</b>	-1.58309676454504	<b>PLCL2</b>	-2.73089940199489
<b>PCDHGC5</b>	-1.58323909199426	<b>PLCXD1</b>	-1.88208409673182
<b>RPP25</b>	-1.58395377230666	<b>PLCXD2</b>	-1.68668934145744
<b>PAICSP4</b>	-1.584038592754	<b>PLEK</b>	-4.52434066996294
<b>AC127496.1</b>	-1.58410295851638	<b>PLEKHA5</b>	-1.20414365914556
<b>DMC1</b>	-1.58588922089902	<b>PLEKHG4B</b>	-5.23910617157845
<b>RP11-381E24.1</b>	-1.58592414790845	<b>PLEKHG5</b>	-1.77618740048057
<b>PAXIP1</b>	-1.58641592551062	<b>PLOD1</b>	-1.24443153869201
<b>C1QL1</b>	-1.58728891338417	<b>PLOD3</b>	-1.65956520974286
<b>SGK223</b>	-1.58906120095277	<b>PLTP</b>	-1.51857476845822
<b>PRR7-AS1</b>	-1.58911842199959	<b>PLXDC2</b>	-2.37515981906981
<b>AL360004.1</b>	-1.5899837868017	<b>PLXNA3</b>	-1.03502248926901
<b>TGFBI</b>	-1.5903825016841	<b>PMPCB</b>	-1.36240832194871
<b>MDH2</b>	-1.59051728881916	<b>PMS2P1</b>	-1.46263265849104
<b>KCNK2</b>	-1.59120232477023	<b>PMS2P3</b>	-1.17899896276105
<b>ZNF425</b>	-1.59239090055866	<b>PMS2P5</b>	-1.49544266572131
<b>SHFM1</b>	-1.59274933442984	<b>PODXL2</b>	-4.52842813698007
<b>CMIP</b>	-1.59303565715876	<b>POFUT2</b>	-1.70488754813608
<b>POP7</b>	-1.5932350460548	<b>POLR2B</b>	-1.15375573235162
<b>DPYSL4</b>	-1.59404530370457	<b>POLR2J</b>	-1.40085432831984
<b>PCDP1</b>	-1.59739532295959	<b>POLR2J3</b>	-1.14813127965574
<b>RP11-309L24.6</b>	-1.59970030480919	<b>POM121</b>	-1.7190515652332
<b>ZNHIT1</b>	-1.60186689019319	<b>POM121B</b>	-1.54811145948262
<b>SLC26A9</b>	-1.60386265407492	<b>POM121C</b>	-1.49595959756345
<b>THSD1</b>	-1.60389151111082	<b>POMGNT1</b>	-1.00533065864962
<b>MAP3K14</b>	-1.6043510773145	<b>PON2</b>	-1.64125763000507
<b>GUCY1A3</b>	-1.60538217456001	<b>POP7</b>	-1.5932350460548
<b>RP1-152L7.9</b>	-1.60675247853301	<b>POPDC2</b>	-1.02694745671256
<b>ANO3</b>	-1.6163846839966	<b>POR</b>	-1.30104564482593
<b>PRKCA</b>	-1.6216047726067	<b>PORCN</b>	-1.37945768394752
<b>NINJ1</b>	-1.62302068778652	<b>POT1</b>	-1.12197575200852
<b>ZNF275</b>	-1.62313736053852	<b>POT1-AS1</b>	-1.9000560100744
<b>TMEM243</b>	-1.6232084762567	<b>PPAT</b>	-1.17839188929385
<b>TCF4</b>	-1.62393217729276	<b>PPFIA3</b>	-1.7792993025697
<b>C7orf43</b>	-1.63595665939024	<b>PPP1R35</b>	-1.32496338783966
<b>SMPDL3A</b>	-1.63712056380401	<b>PPP1R9A</b>	-1.68071370117779
<b>MBL2</b>	-1.63842647385895	<b>PPP2R3A</b>	-1.10042563957799
<b>COL5A2</b>	-1.63876775222889	<b>PRAME</b>	-1.72223771541537
<b>MRPL33</b>	-1.64077407422928	<b>PRDM2</b>	-1.07895175739406
<b>PON2</b>	-1.64125763000507	<b>PRICKLE1</b>	-1.67703889864684
<b>SMIM11</b>	-1.64362143549449	<b>PRICKLE2</b>	-1.26473014542604
<b>CNIH3</b>	-1.64391931875104	<b>PRIMA1</b>	-2.06964901022069
<b>AC005329.7</b>	-1.64407241477274	<b>PRKAG2-AS1</b>	-1.4292427237028
<b>INSIG1</b>	-1.64466984031154	<b>PRKAR2A</b>	-1.17712934211968
<b>RP11-397G5.2</b>	-1.64532258550953	<b>PRKCA</b>	-1.6216047726067
<b>FAM46B</b>	-1.64710567329658	<b>PRKRIP1</b>	-1.00392392284377
<b>SMTN</b>	-1.64912315541182	<b>PRKY</b>	-4.90656323623007

<b>SGK2</b>	-1.64923094452855	<b>PRLR</b>	-1.77009835606528
<b>GPR156</b>	-1.65007812799999	<b>PROM2</b>	-1.503588509214
<b>EXPH5</b>	-1.65182121667737	<b>PRPF40B</b>	-1.01785825048929
<b>RNU12</b>	-1.65216357640042	<b>PRR22</b>	-1.00790142986082
<b>BARX2</b>	-1.65825977960214	<b>PRR7-AS1</b>	-1.58911842199959
<b>PLOD3</b>	-1.65956520974286	<b>PRUNE2</b>	-1.68719768416719
<b>RP11-216L13.19</b>	-1.66270150034263	<b>PSMC2</b>	-1.37625708773428
<b>FIS1</b>	-1.66477010407881	<b>PSPC1</b>	-1.08411849032654
<b>FLNC</b>	-1.66779308877023	<b>PSTPIP2</b>	-1.80237515086364
<b>DERL3</b>	-1.67012996747936	<b>PTBP3</b>	-1.11402776003876
<b>XRCC2</b>	-1.67015740637996	<b>PTCD1</b>	-1.09670693928688
<b>RP11-483H11.1</b>	-1.67145984781561	<b>PTCHD4</b>	-4.2201844965332
<b>NAT14</b>	-1.67171582445482	<b>PTGER4</b>	-1.12477723245861
<b>DUS4L</b>	-1.67223261265202	<b>PTGFRN</b>	-1.37358691404223
<b>ARID5B</b>	-1.67364232613501	<b>PTPLAD2</b>	-1.03670282454324
<b>KIAA1024</b>	-1.67619788531494	<b>PTPN1</b>	-1.01539399624917
<b>PRICKLE1</b>	-1.67703889864684	<b>PTPN22</b>	-1.71510403455915
<b>SNHG12</b>	-1.67735921311315	<b>PTPN6</b>	-5.65095254670192
<b>COL17A1</b>	-1.67753022937433	<b>PTPRE</b>	-2.09928015564933
<b>NEDD9</b>	-1.6805041275842	<b>PTPRN2</b>	-1.2897752666546
<b>PPP1R9A</b>	-1.68071370117779	<b>PUS7</b>	-1.22577345569758
<b>CCDC152</b>	-1.6829396482602	<b>PWP2</b>	-1.18440316552294
<b>CUL1</b>	-1.684314440812441	<b>PWWP2B</b>	-1.93414471506673
<b>SLC1A1</b>	-1.68619930025407	<b>PXDN</b>	-2.17804417136434
<b>FKBP7</b>	-1.68647813516807	<b>PYCARD</b>	-1.43256862562684
<b>PLCXD2</b>	-1.68668934145744	<b>PYROXD1</b>	-1.21930095492515
<b>PRUNE2</b>	-1.68719768416719	<b>QRICH2</b>	-1.24575212835483
<b>RP11-389K14.3</b>	-1.68819680884373	<b>RAB31</b>	-3.12823826839028
<b>SLC2A5</b>	-1.69063845739147	<b>RAB36</b>	-5.6989963061257
<b>FNBP1P1</b>	-1.69167760020211	<b>RABL5</b>	-1.00624395279576
<b>ABCG2</b>	-1.69190077191949	<b>RAD51AP1</b>	-1.0301660144786
<b>UBE2H</b>	-1.69228205880284	<b>RAD51C</b>	-1.08587775670869
<b>NDUFA5</b>	-1.69880005740766	<b>RAET1E</b>	-1.99011215148803
<b>CERK</b>	-1.70074526979877	<b>RANBP1</b>	-1.06983929979511
<b>RP11-178G16.4</b>	-1.70352695972605	<b>RARG</b>	-1.75482030651896
<b>POFUT2</b>	-1.70488754813608	<b>RARRES2</b>	-8.50882223858208
<b>KLHL13</b>	-1.70635655888062	<b>RARRES2P1</b>	-0.990952661632299
<b>ZNF586</b>	-1.71166243560672	<b>RARRES2P7</b>	-1.86093318270436
<b>C7orf73</b>	-1.71190746784122	<b>RASD2</b>	-1.21716923384241
<b>THAP5</b>	-1.71439811130075	<b>RASEF</b>	-1.10472937631712
<b>PTPN22</b>	-1.71510403455915	<b>RASL11A</b>	-3.1657902824021
<b>PITPNM2</b>	-1.71773162101658	<b>RASSF5</b>	-2.93054551399139
<b>EEDP1</b>	-1.71904079515054	<b>RASSF6</b>	-1.80366112734384
<b>POM121</b>	-1.7190515652332	<b>RASSF8-AS1</b>	-1.09700147894512
<b>RP5-884M6.1</b>	-1.7201790153691	<b>RBM23</b>	-6.50666251179428
<b>SNORD99</b>	-1.72096498903772	<b>RBM24</b>	-2.30603474059045
<b>C12orf57</b>	-1.72125968393095	<b>RBM28</b>	-1.3134349567165
<b>PRAME</b>	-1.72223771541537	<b>RBM47</b>	-1.94559126033518
<b>ZFP3</b>	-1.72224705250815	<b>RBM48</b>	-1.02596722014395
<b>LINC00261</b>	-1.7232144911947	<b>RCAN3</b>	-4.40389250532228

<b>MVB12B</b>	-1.72537670202048	<b>RCSD1</b>	-1.40866578297153
<b>SEMA7A</b>	-1.72583743835992	<b>RDM1</b>	-2.34941524827658
<b>COPZ2</b>	-1.73031291248464	<b>RECQL</b>	-1.00220241550613
<b>LRRC34</b>	-1.73370998665226	<b>REPIN1</b>	-1.1005930353394
<b>KIAA1147</b>	-1.73960686163743	<b>RFC2</b>	-1.24232887829793
<b>RGS4</b>	-1.74011335782492	<b>RGS14</b>	-2.21830845208488
<b>NHS</b>	-1.74193221814881	<b>RGS3</b>	-1.23958421239254
<b>MALL</b>	-1.74216367396648	<b>RGS4</b>	-1.74011335782492
<b>MIR155HG</b>	-1.74623681909429	<b>RGS5</b>	-1.45928850782908
<b>HAVCR2</b>	-1.74719476934299	<b>RHBDF2</b>	-1.3286162432577
<b>CHML</b>	-1.74994370835219	<b>RHBDL2</b>	-1.20830759660765
<b>CTD-2060C23.1</b>	-1.7511381859891	<b>RHEB</b>	-1.23056388931806
<b>TNFRSF25</b>	-1.75458533748146	<b>RHEBP2</b>	-1.1157692480038
<b>RARG</b>	-1.75482030651896	<b>RHOF</b>	-2.96911181191759
<b>HRASLS</b>	-1.75686952262107	<b>RILPL2</b>	-1.26065544037065
<b>DSP</b>	-1.76198250370972	<b>RINT1</b>	-1.40202705398561
<b>ZNHIT1P1</b>	-1.76201710669398	<b>RIPK4</b>	-1.79085632386015
<b>KIAA1462</b>	-1.76313341332695	<b>RMRP</b>	-0.99443344477232
<b>CALU</b>	-1.76588546676056	<b>RN7SK</b>	-1.11974811369611
<b>RP5-1063M23.1</b>	-1.76630200387052	<b>RNA5-8S5</b>	-1.08245243261644
<b>RYR3</b>	-1.76742581116402	<b>RNA5S1</b>	-1.79131655273812
<b>CMBL</b>	-1.76812330279419	<b>RNA5S10</b>	-1.47550636290607
<b>MASP2</b>	-1.76836859004612	<b>RNA5S11</b>	-1.08798483006223
<b>PRLR</b>	-1.77009835606528	<b>RNA5S12</b>	-1.32713960493969
<b>U47924.31</b>	-1.77400083220436	<b>RNA5S13</b>	-1.22654274867809
<b>RP5-1136G13.2</b>	-1.77433941326004	<b>RNA5S15</b>	-1.35493652950625
<b>CLDN2</b>	-1.77610395800344	<b>RNA5S16</b>	-1.19873411943145
<b>PLEKHG5</b>	-1.77618740048057	<b>RNA5S17</b>	-1.48415527049151
<b>SEMA4B</b>	-1.77820723546457	<b>RNA5S2</b>	-1.07733556213689
<b>SLC12A9</b>	-1.77854310161671	<b>RNA5S3</b>	-1.29452269349183
<b>PPFIA3</b>	-1.7792993025697	<b>RNA5S4</b>	-1.17164004918295
<b>RP11-815D16.1</b>	-1.78195376093038	<b>RNA5S5</b>	-1.56921983166226
<b>ZNF185</b>	-1.78347547667423	<b>RNA5S6</b>	-1.42129707208935
<b>TPST2</b>	-1.78363317616699	<b>RNA5S7</b>	-1.38336264781273
<b>EGF</b>	-1.78376224355124	<b>RNA5S8</b>	-1.25084805051462
<b>SLITRK2</b>	-1.7856678538714	<b>RNASEH1-AS1</b>	-1.08941225289983
<b>TPST1</b>	-1.78616856082881	<b>RNF128</b>	-4.04120743492764
<b>ANXA10</b>	-1.79035756455283	<b>RNF144A</b>	-1.23038517828148
<b>RIPK4</b>	-1.79085632386015	<b>RNF182</b>	-1.18851318651649
<b>RNA5S1</b>	-1.79131655273812	<b>RNF32</b>	-2.26617145316005
<b>SSBP3</b>	-1.79145979263648	<b>RNF43</b>	-1.10000262888485
<b>DLEU2</b>	-1.79792053784141	<b>RNU12</b>	-1.65216357640042
<b>HIVEP3</b>	-1.80069751915142	<b>RNU2-59P</b>	-1.23155679834169
<b>BET1</b>	-1.80099773261969	<b>RNU4-1</b>	-1.05569062945509
<b>PSTPIP2</b>	-1.80237515086364	<b>RNU4-2</b>	-1.44812506714905
<b>RASSF6</b>	-1.80366112734384	<b>ROR2</b>	-3.96842900630332
<b>IL1R1</b>	-1.80697595986079	<b>RP11-100G15.7</b>	-1.31014130821348
<b>CCDC136</b>	-1.80922275504147	<b>RP11-1069G10.</b>	-2.1626835105406
<b>CAV1</b>	-1.80991476547737	<b>RP11-1094M14.</b>	-1.04774829436929
<b>ABCA2</b>	-1.81217005359528	<b>RP11-115C21.2</b>	-1.23207055367919

<b>RP5-894A10.2</b>	-1.81296448271336	<b>RP11-134G8.8</b>	-1.34861960589714
<b>TP53TG1</b>	-1.81413352943418	<b>RP11-145M9.4</b>	-1.13121372020459
<b>ARHGDI8</b>	-1.81445078280726	<b>RP11-148B18.3</b>	-1.19337646014991
<b>CDK6</b>	-1.81777588589791	<b>RP11-150O12.1</b>	-2.30047522259939
<b>SALL1</b>	-1.81954124021997	<b>RP11-15N24.4</b>	-1.1573021673622
<b>ARNT2</b>	-1.82032547290235	<b>RP11-169K16.9</b>	-1.03212493765765
<b>LDLRAP1</b>	-1.82452802902165	<b>RP11-16F15.2</b>	-1.57795408246635
<b>COCH</b>	-1.82766312649534	<b>RP11-16P6.1</b>	-1.83590382627415
<b>AC093415.2</b>	-1.83339654771684	<b>RP11-178G16.4</b>	-1.70352695972605
<b>AHDC1</b>	-1.83568548087888	<b>RP11-216L13.1</b>	-1.66270150034263
<b>RP11-16P6.1</b>	-1.83590382627415	<b>RP11-220I1.1</b>	-1.19048075720163
<b>RPS27L</b>	-1.83591175948498	<b>RP11-225H22.7</b>	-1.07321588681705
<b>MIR296</b>	-1.84018950492888	<b>RP11-226L15.5</b>	-1.13490999845725
<b>NTM</b>	-1.84087763076629	<b>RP11-22B23.1</b>	-1.19357649084349
<b>FAM13C</b>	-1.84113050379833	<b>RP11-22P6.3</b>	-1.99037095969977
<b>WT1</b>	-1.85323756851555	<b>RP11-249L21.4</b>	-1.33593332177463
<b>KCNS3</b>	-1.85351121620081	<b>RP11-251G23.5</b>	-1.88265521714847
<b>NTNG1</b>	-1.85423971950683	<b>RP11-259N19.1</b>	-1.05728364473987
<b>COBLL1</b>	-1.85760719396649	<b>RP11-266K4.9</b>	-2.24622014738574
<b>ATP6V0E2-AS1</b>	-1.85845194859369	<b>RP11-267A15.1</b>	-4.00009955842772
<b>RARRES2P7</b>	-1.86093318270436	<b>RP11-274B21.3</b>	-1.1280132709563
<b>SOAT2</b>	-1.86338350124105	<b>RP11-274H2.5</b>	-1.04134807789478
<b>KRBA1</b>	-1.86771070460358	<b>RP11-280G9.1</b>	-1.01851099301403
<b>HNF1A</b>	-1.87277765821167	<b>RP11-283G6.3</b>	-1.46153357814496
<b>RP11-314B1.2</b>	-1.87323599053738	<b>RP11-284F21.1</b>	-2.06265159763048
<b>C9orf84</b>	-1.87340478725554	<b>RP11-286H14.6</b>	-1.51652718219975
<b>RP1-63G5.5</b>	-1.87545006173848	<b>RP11-290L1.6</b>	-1.47157020950421
<b>FKBP10</b>	-1.87545637977584	<b>RP11-301G19.1</b>	-1.37475910883244
<b>DNAJC12</b>	-1.88032042790948	<b>RP11-304L19.5</b>	-2.44381970063542
<b>PLCXD1</b>	-1.88208409673182	<b>RP11-305O4.2</b>	-1.00239800172503
<b>RP11-251G23.5</b>	-1.88265521714847	<b>RP11-309L24.6</b>	-1.59970030480919
<b>LPPR5</b>	-1.88623464051087	<b>RP11-309M7.1</b>	-2.32483047052873
<b>SEMA3A</b>	-1.88924696341069	<b>RP11-314B1.2</b>	-1.87323599053738
<b>RP11-782C8.2</b>	-1.8965646395348	<b>RP11-320A16.1</b>	-1.5330360754828
<b>POT1-AS1</b>	-1.9000560100744	<b>RP11-325O24.2</b>	-1.08352526421389
<b>GLP2R</b>	-1.90163635571587	<b>RP11-331F4.1</b>	-4.01317929284166
<b>SNAI1</b>	-1.90438654883407	<b>RP11-339B21.1</b>	-2.23772778414199
<b>RYR2</b>	-1.91467380312627	<b>RP11-342K6.1</b>	-1.2541944852005
<b>TSPAN33</b>	-1.92360047532331	<b>RP11-350F4.2</b>	-2.29544081136154
<b>FABP6</b>	-1.92695762469259	<b>RP11-368L12.1</b>	-1.36200518938368
<b>ABCA13</b>	-1.9277285735931	<b>RP11-380I10.4</b>	-2.48777155132604
<b>CYP3A5</b>	-1.9297125111532	<b>RP11-381E24.1</b>	-1.58592414790845
<b>FAM3C</b>	-1.9298102077022	<b>RP11-383J24.6</b>	-1.5715298107283
<b>SIGIRR</b>	-1.93078233614877	<b>RP11-389K14.3</b>	-1.68819680884373
<b>CDIP1</b>	-1.93361191909398	<b>RP11-393M11.2</b>	-1.49183117549221
<b>PWWP2B</b>	-1.93414471506673	<b>RP11-395B7.4</b>	-3.77525637210929
<b>FAT4</b>	-1.93481995826998	<b>RP11-395B7.7</b>	-1.52230370084061
<b>TFEB</b>	-1.93514000518751	<b>RP11-396K3.1</b>	-1.50403749800873
<b>TRIM55</b>	-1.93829714717148	<b>RP11-397E7.4</b>	-1.14522235473631
<b>C7orf55</b>	-1.94218971795452	<b>RP11-397G5.2</b>	-1.64532258550953

<b>RBM47</b>	-1.94559126033518	<b>RP11-399O19.9</b>	-1.24799304116386
<b>RP13-582O9.5</b>	-1.95022752107386	<b>RP11-424G14.1</b>	-1.33556285942092
<b>KCNJ16</b>	-1.95151130220558	<b>RP11-438N16.1</b>	-2.14611611523528
<b>AC003092.1</b>	-1.95684241144007	<b>RP11-439E19.9</b>	-2.19592606105321
<b>SYNE1</b>	-1.95710164840442	<b>RP11-448A19.1</b>	-1.32988222264068
<b>TNFRSF11A</b>	-1.95726110002923	<b>RP11-44N11.2</b>	-1.03702658666279
<b>SLAMF8</b>	-1.96131955679612	<b>RP11-44N21.1</b>	-1.03724601762055
<b>FNDC4</b>	-1.96679692117177	<b>RP11-452L6.1</b>	-1.22828818734894
<b>ZNF813</b>	-1.96781823586231	<b>RP11-453F18__</b>	-1.33772388199178
<b>MCTP2</b>	-1.97009811630968	<b>RP11-462G12.1</b>	-1.09977858604953
<b>RP11-551L14.4</b>	-1.97058754814243	<b>RP11-465B22.3</b>	-1.13288366281865
<b>ACSL5</b>	-1.97131351590678	<b>RP11-471M2.3</b>	-1.11315304680038
<b>ABCC2</b>	-1.973287549534	<b>RP11-483H11.1</b>	-1.67145984781561
<b>MARCH3</b>	-1.97778502754937	<b>RP11-498C9.15</b>	-1.48483614276355
<b>TCF7</b>	-1.97838854701892	<b>RP11-4C20.4</b>	-1.11482705199281
<b>PIM1</b>	-1.98282339725823	<b>RP11-4F5.2</b>	-1.98602836925586
<b>GATS</b>	-1.98441187283488	<b>RP11-517B11.7</b>	-1.28738429196036
<b>E2F2</b>	-1.98496800630481	<b>RP11-522I20.3</b>	-1.35027024051915
<b>RP11-4F5.2</b>	-1.98602836925586	<b>RP11-527J8.1</b>	-1.03715508836766
<b>CCDC71L</b>	-1.9874982850174	<b>RP11-527N22.2</b>	-2.30357931798596
<b>KRT19P1</b>	-1.98859782959576	<b>RP1-152L7.9</b>	-1.60675247853301
<b>RAET1E</b>	-1.99011215148803	<b>RP11-535M15.1</b>	-1.51343916149248
<b>RP11-22P6.3</b>	-1.99037095969977	<b>RP11-537H15.4</b>	-1.34077623754697
<b>LPAR1</b>	-1.99488561258013	<b>RP11-539I5.1</b>	-1.09297817796746
<b>NLRP1</b>	-1.99519490385793	<b>RP11-54A9.1</b>	-1.20875227882869
<b>SH3YL1</b>	-1.99643415980462	<b>RP11-54O7.1</b>	-1.01024073955584
<b>LINC00278</b>	-1.99818791366258	<b>RP11-54O7.17</b>	-2.62546058854216
<b>CDK20</b>	-1.99905978369626	<b>RP11-54O7.3</b>	-2.47990094523402
<b>GLCCI1</b>	-2.00383886095232	<b>RP11-551L14.4</b>	-1.97058754814243
<b>DPYSL3</b>	-2.00575559447688	<b>RP11-598F7.5</b>	-1.44667867020889
<b>SNX18P16</b>	-2.01615446274987	<b>RP11-598F7.6</b>	-1.06519870026077
<b>MYH16</b>	-2.01824673898841	<b>RP11-613M10.6</b>	-1.30787013702474
<b>ZNF568</b>	-2.02077448128291	<b>RP11-613M5.2</b>	-1.01542553973632
<b>MTL5</b>	-2.02307672098367	<b>RP11-617F23.1</b>	-1.09083491947262
<b>GAS6</b>	-2.02324869267469	<b>RP11-644F5.10</b>	-1.27131178830919
<b>VAC14-AS1</b>	-2.02473561449569	<b>RP11-649A18.7</b>	-1.5713599408682
<b>NAAA</b>	-2.02931711597771	<b>RP11-64B16.2</b>	-1.49658643786731
<b>ACSM3</b>	-2.03191495011997	<b>RP11-660L16.2</b>	-1.23858708860999
<b>ZNF775</b>	-2.0367926887379	<b>RP11-669B18.1</b>	-1.00024465527051
<b>AC093673.5</b>	-2.04092219489573	<b>RP11-682N22.1</b>	-1.07933155963793
<b>FAM49A</b>	-2.04253706181793	<b>RP11-782C8.2</b>	-1.8965646395348
<b>GPRC5B</b>	-2.04529697506362	<b>RP11-7O14.1</b>	-1.26636322960627
<b>SULT1A1</b>	-2.04592142870553	<b>RP11-815D16.1</b>	-1.78195376093038
<b>LNP1</b>	-2.04885009723518	<b>RP11-818F20.5</b>	-1.00955974430653
<b>RUNDC3B</b>	-2.05178638871041	<b>RP11-83N9.5</b>	-1.49259464752877
<b>SNORA76</b>	-2.05505431073757	<b>RP1-193H18.2</b>	-1.13978838917366
<b>MET</b>	-2.06155257107831	<b>RP11-956E11.1</b>	-2.61080514919696
<b>NYAP2</b>	-2.06243236914658	<b>RP11-959F10.5</b>	-0.991981665177088
<b>RP11-284F21.10</b>	-2.06265159763048	<b>RP1-228P16.7</b>	-1.05449661091381
<b>CD70</b>	-2.06698213917517	<b>RP1-272L16.1</b>	-1.20150707117589

<b>ZNF862</b>	-2.06751840435996	<b>RP1-305B16.3</b>	-1.07937678509764
<b>PRIMA1</b>	-2.06964901022069	<b>RP1-30G7.2</b>	-1.2180840856209
<b>ECHDC2</b>	-2.0707711768928	<b>RP13-36G14.3</b>	-6.51874581746173e-05
<b>ENKD1</b>	-2.07233478171512	<b>RP13-58209.5</b>	-1.95022752107386
<b>HIPK2</b>	-2.07581581377302	<b>RP13-585F24.1</b>	-1.18982036442056
<b>TMEM141</b>	-2.07895387838531	<b>RP1-60019.1</b>	-1.00092743193094
<b>EVPL</b>	-2.07986614331229	<b>RP1-63G5.5</b>	-1.87545006173848
<b>KRT19</b>	-2.08241141873772	<b>RP3-359N14.1</b>	-1.30640692195746
<b>LINC00702</b>	-2.08292579369283	<b>RP3-398G3.5</b>	-1.38395483635287
<b>VILL</b>	-2.08374108618197	<b>RP3-400B16.1</b>	-1.00318788123417
<b>SLC1A3</b>	-2.0849209338041	<b>RP3-428L16.2</b>	-2.68945985922217
<b>SLC45A1</b>	-2.08493221439198	<b>RP3-467K16.4</b>	-1.1367120197148
<b>ARHGAP33</b>	-2.08678307691694	<b>RP3-510D11.2</b>	-2.08740308900305
<b>RP3-510D11.2</b>	-2.08740308900305	<b>RP4-607J23.2</b>	-1.26407257056332
<b>CTB-175P5.4</b>	-2.08978448029865	<b>RP4-806M20.3</b>	-2.33745857919095
<b>GCKR</b>	-2.08992675667129	<b>RP4-813F11.4</b>	-1.31242781506042
<b>SLC4A3</b>	-2.09427536439812	<b>RP5-1021I20.2</b>	-2.53880655280778
<b>ATP6V0E2</b>	-2.09626019740203	<b>RP5-1024G6.8</b>	-1.12220781799938
<b>NRP1</b>	-2.09664903797841	<b>RP5-1063M23.1</b>	-1.76630200387052
<b>SEMA6A</b>	-2.09746817660054	<b>RP5-1063M23.2</b>	-1.26991256424948
<b>C7orf13</b>	-2.09799370012498	<b>RP5-1136G13.2</b>	-1.77433941326004
<b>PTPRE</b>	-2.09928015564933	<b>RP5-1172A22.1</b>	-1.4900156401761
<b>CTD-2228K2.5</b>	-2.10186149703504	<b>RP5-884M6.1</b>	-1.7201790153691
<b>METTL7B</b>	-2.10327631212661	<b>RP5-886K2.3</b>	-1.38163998849756
<b>TINAG</b>	-2.10587256807121	<b>RP5-894A10.2</b>	-1.81296448271336
<b>HAS3</b>	-2.10599294295897	<b>RP5-894A10.6</b>	-1.04556822464811
<b>TM4SF1</b>	-2.10696243058762	<b>RP6-42F4.1</b>	-1.17869787668071
<b>5S_rRNA</b>	-2.12103470001882	<b>RPH3AL</b>	-1.36208564705035
<b>ITPR1</b>	-2.12163526205679	<b>RPL13P5</b>	-1.25880258756225
<b>CCDC183</b>	-2.1250476313042	<b>RPL21</b>	-1.11543214727694
<b>SLC2A10</b>	-2.13096756049124	<b>RPL21P75</b>	-1.02928303104441
<b>GUCY1B3</b>	-2.13660770246449	<b>RPL32P34</b>	-2.20609953575549e-06
<b>NCF2</b>	-2.14308645274543	<b>RPP25</b>	-1.58395377230666
<b>RP11-438N16.1</b>	-2.14611611523528	<b>RPS26P13</b>	-1.03370410312377
<b>C5orf63</b>	-2.14748634592294	<b>RPS27L</b>	-1.83591175948498
<b>CGB8</b>	-2.14870053376725	<b>RPS27P27</b>	-1.13135018190558
<b>CXCR4</b>	-2.14956731875374	<b>RPS4Y1</b>	-8.88152282557197
<b>AP000688.29</b>	-2.14965694258117	<b>RPS7P14</b>	-1.23577414452352
<b>AKR1B10P1</b>	-2.152170008916	<b>RRAD</b>	-1.42021061402596
<b>ACTR3B</b>	-2.1525867903674	<b>RRM2</b>	-1.49652338114812
<b>CBR3-AS1</b>	-2.15809464753148	<b>RRM2P3</b>	-1.2657356506266
<b>RP11-1069G10.1</b>	-2.1626835105406	<b>RRP1</b>	-1.25030677387286
<b>CAMSAP3</b>	-2.16571162117149	<b>RRP1B</b>	-1.18071095134882
<b>MYH15</b>	-2.17150640046527	<b>RSBN1L</b>	-1.26058247474815
<b>KITLG</b>	-2.17546974381561	<b>RTKN</b>	-1.40978864303171
<b>PXDN</b>	-2.17804417136434	<b>RTKN2</b>	-1.12329462619383
<b>PDGFRB</b>	-2.18314953779927	<b>RUNDC3B</b>	-2.05178638871041
<b>MEF2C</b>	-2.18335545322803	<b>RUNX2</b>	-1.29919071166335
<b>CTD-2171N6.1</b>	-2.18351582695817	<b>RYR2</b>	-1.91467380312627
<b>FAM213B</b>	-2.18845447268478	<b>RYR3</b>	-1.76742581116402

<b>MUC12</b>	-2.1921944088152	<b>S100A4</b>	-1.37027498046914
<b>LRCH2</b>	-2.19412818432615	<b>S100A6</b>	-1.57859317319288
<b>ELMOD1</b>	-2.19468761914382	<b>S1PR3</b>	-1.5171359815928
<b>RP11-439E19.9</b>	-2.19592606105321	<b>SALL1</b>	-1.81954124021997
<b>FPR1</b>	-2.1975015685955	<b>SAMD11</b>	-2.84031823699413
<b>SLCO5A1</b>	-2.20272823934441	<b>SAPCD2</b>	-0.997408501188129
<b>RPL32P34</b>	-2.20609953575549e-06	<b>SATB1</b>	-4.9182529601329
<b>JAK3</b>	-2.20706038165797	<b>SBDSP1</b>	-1.493752593481
<b>SLN</b>	-2.20738434657147	<b>SCARB1</b>	-1.14906123800535
<b>ABCA1</b>	-2.20750807144444	<b>SCARF2</b>	-4.11503777216132
<b>IMMP2L</b>	-2.21736791801263	<b>SCFD2</b>	-1.1635994518458
<b>RGS14</b>	-2.21830845208488	<b>SCN9A</b>	-1.35373247185598
<b>LCA5L</b>	-2.22690680506355	<b>SCNN1A</b>	-1.28540481495062
<b>HNMT</b>	-2.23367206635243	<b>SDC1</b>	-1.5539624592857
<b>RP11-339B21.11</b>	-2.23772778414199	<b>SEC14L6</b>	-1.44734073555701
<b>GNAI1</b>	-2.24356522648375	<b>SEC24A</b>	-1.01339575723721
<b>RP11-266K4.9</b>	-2.24622014738574	<b>SEC31A</b>	-1.19877274496689
<b>CTA-445C9.15</b>	-2.25039095927671	<b>SEMA3A</b>	-1.88924696341069
<b>TGFA</b>	-2.25390198061684	<b>SEMA3B</b>	-3.6882971552853
<b>CDKN1A</b>	-2.25427401602016	<b>SEMA3F</b>	-2.82331743782225
<b>DIXDC1</b>	-2.25933342338061	<b>SEMA4B</b>	-1.77820723546457
<b>RNF32</b>	-2.26617145316005	<b>SEMA5B</b>	-1.11541637447623
<b>ESPNL</b>	-2.27431942308858	<b>SEMA6A</b>	-2.09746817660054
<b>C1orf21</b>	-2.27462793981867	<b>SEMA6D</b>	-3.0617191771706
<b>EREG</b>	-2.27629436015885	<b>SEMA7A</b>	-1.72583743835992
<b>CAV2</b>	-2.27790201893699	<b>SERINC5</b>	-1.08080359180078
<b>AMPD2</b>	-2.28546845939771	<b>SERPINE1</b>	-1.13757380141453
<b>ARHGEF6</b>	-2.2942334578145	<b>SFXN2</b>	-1.13944034766061
<b>RP11-350F4.2</b>	-2.29544081136154	<b>SGCB</b>	-1.22204863019441
<b>TBXAS1</b>	-2.29684915412183	<b>SGCE</b>	-1.53144732065922
<b>RP11-150O12.1</b>	-2.30047522259939	<b>SGK2</b>	-1.64923094452855
<b>RP11-527N22.2</b>	-2.30357931798596	<b>SGK223</b>	-1.58906120095277
<b>RBM24</b>	-2.30603474059045	<b>SH2D3A</b>	-3.03940629527491
<b>TTYT14</b>	-2.31196059051967	<b>SH3BGRL2</b>	-1.14219801453257
<b>TM4SF18</b>	-2.31305647126589	<b>SH3BGRL3</b>	-1.45685367561205
<b>LPCAT2</b>	-2.31426814904929	<b>SH3YL1</b>	-1.99643415980462
<b>PAK3</b>	-2.31612352293559	<b>SHFM1</b>	-1.59274933442984
<b>ANK3</b>	-2.31948757109412	<b>SHISA2</b>	-6.5978606048503
<b>CYP4F29P</b>	-2.32086816481204	<b>SIGIRR</b>	-1.93078233614877
<b>RP11-309M7.1</b>	-2.32483047052873	<b>SIK1</b>	-1.4277851234317
<b>RP4-806M20.3</b>	-2.33745857919095	<b>SKAP1</b>	-3.99349461835528
<b>ENPEP</b>	-2.33896106892796	<b>SLAMF8</b>	-1.96131955679612
<b>NPL</b>	-2.33977800068525	<b>SLC12A9</b>	-1.77854310161671
<b>HSPA12A</b>	-2.34286505842173	<b>SLC13A3</b>	-1.00814785806577
<b>MALRD1</b>	-2.34297035575447	<b>SLC16A12</b>	-4.68588153422629
<b>GPR68</b>	-2.34719233365973	<b>SLC16A4</b>	-4.18133485946983
<b>RDM1</b>	-2.34941524827658	<b>SLC16A5</b>	-4.45686328058376
<b>OLFML2B</b>	-2.35300176453667	<b>SLC17A3</b>	-1.23470643224243
<b>MITF</b>	-2.35332844202118	<b>SLC17A9</b>	-2.43842981869094
<b>CFI</b>	-2.354690468672	<b>SLC19A1</b>	-1.57385606901404

<b>DLG5-AS1</b>	-2.35876019534972e-05	<b>SLC1A1</b>	-1.68619930025407
<b>GNGT1</b>	-2.3608478444142	<b>SLC1A3</b>	-2.0849209338041
<b>AFF2</b>	-2.36749779798605	<b>SLC22A3</b>	-1.01918636094209
<b>SMARCD3</b>	-2.37068394669434	<b>SLC25A10</b>	-1.42798729506729
<b>PLXDC2</b>	-2.37515981906981	<b>SLC25A13</b>	-1.11683403979263
<b>MCC</b>	-2.37519817285719	<b>SLC25A40</b>	-1.41757021408901
<b>CTNNA3</b>	-2.37904539904998	<b>SLC26A1</b>	-1.30903887301423
<b>FAM115C</b>	-2.38478679240703	<b>SLC26A7</b>	-2.46401031878538
<b>CTD-2501M5.1</b>	-2.3904638726716	<b>SLC26A9</b>	-1.60386265407492
<b>FAR2</b>	-2.39385063308815	<b>SLC2A10</b>	-2.13096756049124
<b>C9orf172</b>	-2.39824068051339	<b>SLC2A3</b>	-4.95449591056742
<b>ZFP82</b>	-2.39961068526318	<b>SLC2A5</b>	-1.69063845739147
<b>ZNF513</b>	-2.40128405542919	<b>SLC34A1</b>	-1.08322473165266
<b>CYP1B1-AS1</b>	-2.40349816049931	<b>SLC35B4</b>	-1.23176359804538
<b>LTBP1</b>	-2.40963179477459	<b>SLC45A1</b>	-2.08493221439198
<b>FRMD5</b>	-2.41505129660022	<b>SLC47A2</b>	-2.42161978413265
<b>C1orf85</b>	-2.41529184600928	<b>SLC4A2</b>	-1.3858759703808
<b>CDK14</b>	-2.41851673849028	<b>SLC4A3</b>	-2.09427536439812
<b>SLC47A2</b>	-2.42161978413265	<b>SLC4A4</b>	-4.57770940067413
<b>HSD3B7</b>	-2.4218958006096	<b>SLC6A13</b>	-1.19094739462024
<b>ZNF736P9Y</b>	-2.42199877984748	<b>SLC6A6</b>	-1.15999013710373
<b>DUSP9</b>	-2.42781632963274	<b>SLC6A9</b>	-3.50074183113291
<b>CCDC74B</b>	-2.43073710031618	<b>SLC7A8</b>	-2.4351137466767
<b>NGF</b>	-2.43094166749568	<b>SLCO4A1</b>	-1.34797814494335
<b>SLC7A8</b>	-2.4351137466767	<b>SLCO5A1</b>	-2.20272823934441
<b>IL1R2</b>	-2.43602808870513	<b>SLFN13</b>	-1.28401482393472
<b>ABCC9</b>	-2.43765195577431	<b>SLITRK2</b>	-1.7856678538714
<b>SLC17A9</b>	-2.43842981869094	<b>SLITRK4</b>	-1.05510981551252
<b>C3AR1</b>	-2.44262660634267	<b>SLITRK5</b>	-1.38115229369148
<b>RP11-304L19.5</b>	-2.44381970063542	<b>SLN</b>	-2.20738434657147
<b>ZBTB38</b>	-2.4465922703597	<b>SMAD9</b>	-2.7960798341013
<b>EFHB</b>	-2.45875898668787	<b>SMARCD3</b>	-2.37068394669434
<b>SLC26A7</b>	-2.46401031878538	<b>SMIM11</b>	-1.64362143549449
<b>F12</b>	-2.46675385378124	<b>SMPDL3A</b>	-1.63712056380401
<b>BCMO1</b>	-2.47046899088319	<b>SMTN</b>	-1.64912315541182
<b>CTD-2521M24.9</b>	-2.47070771432215	<b>SMURF1</b>	-1.33236535723685
<b>ASMTL</b>	-2.47459078064563	<b>SNAI1</b>	-1.90438654883407
<b>ADAP2</b>	-2.47468528125482	<b>SNAP25</b>	-3.64543289854612
<b>TTN</b>	-2.47890572572717	<b>SND1</b>	-1.45328999068112
<b>RP11-5407.3</b>	-2.47990094523402	<b>SNHG10</b>	-1.00467657234077
<b>CTTNBP2</b>	-2.48039944055636	<b>SNHG12</b>	-1.67735921311315
<b>C6orf99</b>	-2.48545111347615	<b>SNHG18</b>	-1.32293489490149
<b>RP11-380I10.4</b>	-2.48777155132604	<b>SNHG3</b>	-1.48258312734834
<b>WDR91</b>	-2.49208775089808	<b>SNHG7</b>	-1.52355057661655
<b>ID1</b>	-2.49553441939276	<b>SNHG9</b>	-1.04770916696188
<b>GPR64</b>	-2.50204757765274	<b>SNORA73B</b>	-1.26123225794949
<b>GNAZ</b>	-2.524823776741	<b>SNORA76</b>	-2.05505431073757
<b>RP5-1021I20.2</b>	-2.53880655280778	<b>SNORD125</b>	-1.19263751426871
<b>DGCR9</b>	-2.55086831302144	<b>SNORD3B-2</b>	-1.16012996959494
<b>GPRIN3</b>	-2.56852942690472	<b>SNORD99</b>	-1.72096498903772



<b>AP1S3</b>	-2.5865487390484	<b>SNX18P16</b>	-2.01615446274987
<b>KLC3</b>	-2.58697029189038	<b>SOAT2</b>	-1.86338350124105
<b>FHDC1</b>	-2.60662262471211	<b>SOD1</b>	-1.21893259260956
<b>RP11-956E11.1</b>	-2.61080514919696	<b>SP5</b>	-1.10219887103367
<b>RP11-5407.17</b>	-2.62546058854216	<b>SPA17</b>	-1.02034985057845
<b>LINC00460</b>	-2.62629633833281	<b>SPATA18</b>	-4.20327926882411
<b>PCDHGB6</b>	-2.64328418799346	<b>SPATC1L</b>	-1.1880807051863
<b>KIAA0513</b>	-2.64739203758686	<b>SPC24</b>	-1.17900423407339
<b>FOXP2</b>	-2.67723356862781	<b>SPHK1</b>	-1.14208814494735
<b>CXorf57</b>	-2.67834479871152	<b>SPINT1</b>	-3.45758652704004
<b>MAP2K6</b>	-2.68121120794064	<b>SPINT2</b>	-1.19057891520905
<b>STYK1</b>	-2.68384475750343	<b>SPN</b>	-5.77670102569125
<b>ZNF883</b>	-2.68463017026968	<b>SPOCD1</b>	-3.81211833638237
<b>MYH13</b>	-2.68908339170111	<b>SPOCK1</b>	-6.05998968142764
<b>RP3-428L16.2</b>	-2.68945985922217	<b>SPSB2</b>	-1.44891451615185
<b>GPRIN2</b>	-2.69159895673667	<b>SRI</b>	-1.30511925552007
<b>ZNF665</b>	-2.69824472265324	<b>SRIP3</b>	-1.05905398121803
<b>DCLK2</b>	-2.69993308373609	<b>SRP72</b>	-1.10074845368549
<b>MAF</b>	-2.70565930793551	<b>SRP72P2</b>	-1.08300709920933
<b>ARL14EPL</b>	-2.71340089425855	<b>SRPK2</b>	-1.17919534988154
<b>IFNLR1</b>	-2.7251908167564	<b>SSBP1</b>	-1.18503537832669
<b>GNAS-AS1</b>	-2.72742213889173	<b>SSBP3</b>	-1.79145979263648
<b>PLCL2</b>	-2.73089940199489	<b>SSNA1</b>	-1.40016671953689
<b>ST3GAL5</b>	-2.73133147443501	<b>ST3GAL5</b>	-2.73133147443501
<b>PEX5L</b>	-2.74132830557401	<b>ST7</b>	-1.04095996764125
<b>AC007362.1</b>	-2.74527623781646	<b>STAC</b>	-1.16547292803692
<b>KIF7</b>	-2.74583351891817	<b>STPG1</b>	-1.23405719279201
<b>BOLA1</b>	-2.75950132029281	<b>STRAP</b>	-1.19926069053642
<b>MOK</b>	-2.76554992168211	<b>STRIP2</b>	-1.44340887649172
<b>KIAA1755</b>	-2.77769500716279	<b>STXBP6</b>	-4.03311783537698
<b>TNFRSF19</b>	-2.78257369323424	<b>STYK1</b>	-2.68384475750343
<b>DCLK1</b>	-2.78939635108174	<b>STYXL1</b>	-1.40025895079969
<b>SMAD9</b>	-2.7960798341013	<b>SULF1</b>	-1.01482771134734
<b>KCNJ15</b>	-2.8044812552652	<b>SULT1A1</b>	-2.04592142870553
<b>NPY4R</b>	-2.81929772938366	<b>SUSD4</b>	-4.45627043873728
<b>KY</b>	-2.82040219269903	<b>SYK</b>	-4.64693000822441
<b>TP73</b>	-2.82097592807113	<b>SYNE1</b>	-1.95710164840442
<b>SEMA3F</b>	-2.82331743782225	<b>SYPL1</b>	-1.12429590092539
<b>SAMD11</b>	-2.84031823699413	<b>SYT11</b>	-1.22315922907628
<b>FOLR1</b>	-2.84538902413685	<b>SYT13</b>	-1.24113494259817
<b>MFSD2A</b>	-2.86669232191414	<b>TAF12</b>	-0.998077946286909
<b>EFCAB4A</b>	-2.8803323839124	<b>TAF7</b>	-1.31814498178058
<b>ZNF630</b>	-2.88390304616829	<b>TBC1D4</b>	-1.04365055814115
<b>UPK1B</b>	-2.90120260737869	<b>TBL2</b>	-1.05301053861815
<b>GFPT2</b>	-2.90507609783617	<b>TBXAS1</b>	-2.29684915412183
<b>RASSF5</b>	-2.93054551399139	<b>TCEA3</b>	-3.02953572509561
<b>NRP2</b>	-2.94225436943766	<b>TCEAL8</b>	-1.05241853004023
<b>EFEMP1</b>	-2.9554428232653	<b>TCEB3</b>	-1.02393141637187
<b>FOXA2</b>	-2.96237417165126	<b>TCF3</b>	-1.10129681733495
<b>RHOF</b>	-2.96911181191759	<b>TCF4</b>	-1.62393217729276

<b>ZNF528</b>	-2.97372326463175	<b>TCF7</b>	-1.97838854701892
<b>ANKRD20A11P</b>	-2.97639039290732	<b>TDO2</b>	-1.1013653833862
<b>DGKI</b>	-2.98716030038112	<b>TES</b>	-1.36510114704876
<b>VWA5A</b>	-2.98907966736265	<b>TFCP2</b>	-3.70363032759813
<b>NCKAP5</b>	-3.00166578988834	<b>TFCP2L1</b>	-1.35259399097551
<b>CD109</b>	-3.00196137284742	<b>TFDP1</b>	-1.01399797894849
<b>DGCR5</b>	-3.01190719595017	<b>TFEB</b>	-1.93514000518751
<b>TMEM184A</b>	-3.02243718764765	<b>TGFA</b>	-2.25390198061684
<b>TCEA3</b>	-3.02953572509561	<b>TGFB3</b>	-1.10629818688475
<b>ATAT1</b>	-3.0301791570386	<b>TGFBI</b>	-1.5903825016841
<b>KLHL4</b>	-3.03074319327015	<b>TGFBR3L</b>	-1.3325266218139
<b>SH2D3A</b>	-3.03940629527491	<b>TGIF2</b>	-1.5044111312016
<b>LINC00475</b>	-3.04088949885824	<b>TGM2</b>	-3.51703863885425
<b>CREB3L1</b>	-3.04130729330342	<b>THAP5</b>	-1.71439811130075
<b>SEMA6D</b>	-3.0617191771706	<b>THSD1</b>	-1.60389151111082
<b>MAPK8IP2</b>	-3.11336715137712	<b>TICAM2</b>	-1.13232324413625
<b>LEPREL2</b>	-3.11490544222787	<b>TINAG</b>	-2.10587256807121
<b>EPCAM</b>	-3.12628096489074	<b>TLE1</b>	-1.36050849932936
<b>MYEOV</b>	-3.12811865504882	<b>TLE6</b>	-1.35625254440726
<b>RAB31</b>	-3.12823826839028	<b>TLR5</b>	-1.24059671844467
<b>TNIK</b>	-3.12864042962481	<b>TM4SF1</b>	-2.10696243058762
<b>RASL11A</b>	-3.1657902824021	<b>TM4SF18</b>	-2.31305647126589
<b>MYOM3</b>	-3.17717534428266	<b>TMCO3</b>	-1.5800269694914
<b>AC011738.4</b>	-3.190941623878	<b>TMEM133</b>	-1.31933758449658
<b>DGAT2</b>	-3.20973451175965	<b>TMEM141</b>	-2.07895387838531
<b>C11orf86</b>	-3.21015112938209	<b>TMEM158</b>	-1.34809144073019
<b>DTNA</b>	-3.21826514345096	<b>TMEM163</b>	-3.23538839434293
<b>MAPRE3</b>	-3.22836901358422	<b>TMEM165</b>	-1.08238025021553
<b>EGLN3</b>	-3.23111700929812	<b>TMEM168</b>	-1.24117487702289
<b>TMEM163</b>	-3.23538839434293	<b>TMEM169</b>	-1.10242679652603
<b>PCSK5</b>	-3.24295962420057	<b>TMEM17</b>	-1.37459516582755
<b>AKR1B10</b>	-3.26349480936249	<b>TMEM184A</b>	-3.02243718764765
<b>IRF7</b>	-3.27106829742525	<b>TMEM200B</b>	-1.50076421382319
<b>TRABD2B</b>	-3.27680907404703	<b>TMEM200C</b>	-1.11510393652686
<b>DIRAS2</b>	-3.30572983696396	<b>TMEM208</b>	-1.29938573936215
<b>GNB3</b>	-3.31601603579868	<b>TMEM209</b>	-1.17791222250132
<b>ZNF585B</b>	-3.3289855962043	<b>TMEM243</b>	-1.6232084762567
<b>MAOA</b>	-3.33595826476442	<b>TMEM86B</b>	-1.07996131321843
<b>ZNF829</b>	-3.33674019255188	<b>TMUB1</b>	-1.48282718155461
<b>XAF1</b>	-3.33705639463239	<b>TNFAIP6</b>	-1.1547832078094
<b>CAMK1D</b>	-3.33869372074614	<b>TNFRSF11A</b>	-1.95726110002923
<b>ZNF365</b>	-3.36847872240413	<b>TNFRSF19</b>	-2.78257369323424
<b>CYB5A</b>	-3.38970097883393	<b>TNFRSF1A</b>	-1.11403618404759
<b>MSX2</b>	-3.39450401779448	<b>TNFRSF25</b>	-1.75458533748146
<b>LUM</b>	-3.39491089511331	<b>TNIK</b>	-3.12864042962481
<b>VAV3</b>	-3.4156611319697	<b>TNPO3</b>	-1.18395723852312
<b>VSTM4</b>	-3.41770837098796	<b>TP53TG1</b>	-1.81413352943418
<b>FAM198B</b>	-3.43040793022325	<b>TP73</b>	-2.82097592807113
<b>CD320</b>	-3.44665609606542	<b>TPM1</b>	-1.04077330760162
<b>ARTN</b>	-3.45636248331675	<b>TPRN</b>	-1.32119533466842

<b>SPINT1</b>	-3.45758652704004	<b>TPST1</b>	-1.78616856082881
<b>PAX2</b>	-3.46664478281236	<b>TPST2</b>	-1.78363317616699
<b>DHX58</b>	-3.47199914111345	<b>TRABD</b>	-1.04903134058824
<b>TRIM9</b>	-3.47329273520209	<b>TRABD2B</b>	-3.27680907404703
<b>CCDC74A</b>	-3.49082006953533	<b>TREX2</b>	-1.07659393137418
<b>SLC6A9</b>	-3.50074183113291	<b>TRIM22</b>	-1.3030915425752
<b>MMP13</b>	-3.50465992515455	<b>TRIM24</b>	-1.09752418097741
<b>ZNF772</b>	-3.50479941531057	<b>TRIM54</b>	-1.15571781522969
<b>DENND2D</b>	-3.50889688131361	<b>TRIM55</b>	-1.93829714717148
<b>TGM2</b>	-3.51703863885425	<b>TRIM9</b>	-3.47329273520209
<b>BST2</b>	-3.53909867378253	<b>TRIP6</b>	-1.25354874786306
<b>EPB41L3</b>	-3.55034652872233	<b>TRIQK</b>	-1.11771608599565
<b>ZNF296</b>	-3.62753082228274	<b>TRO</b>	-1.332316247628
<b>ZNF585A</b>	-3.63570517029499	<b>TSPAN13</b>	-1.22200764422273
<b>SNAP25</b>	-3.64543289854612	<b>TSPAN33</b>	-1.92360047532331
<b>CYP1B1</b>	-3.65020232321176	<b>TTC26</b>	-1.10068686348636
<b>SEMA3B</b>	-3.6882971552853	<b>TTC28-AS1</b>	-1.24526947812878
<b>TYMP</b>	-3.68975563594529	<b>TTC3</b>	-1.00227214069765
<b>KRT79</b>	-3.70136924227024	<b>TTN</b>	-2.47890572572717
<b>TFCP2</b>	-3.70363032759813	<b>TTTY14</b>	-2.31196059051967
<b>GRIK4</b>	-3.70424402574295	<b>TTTY15</b>	-5.85666418792017
<b>GALNT3</b>	-3.71046658673796	<b>TUBA4A</b>	-1.41297064647117
<b>FAM109B</b>	-3.71645812076046	<b>TXLNG2P</b>	-5.90926462894479
<b>RP11-395B7.4</b>	-3.77525637210929	<b>TYMP</b>	-3.68975563594529
<b>GPR132</b>	-3.78990071846148	<b>U47924.30</b>	-1.54018166887383
<b>SPOCD1</b>	-3.81211833638237	<b>U47924.31</b>	-1.77400083220436
<b>CLEC2B</b>	-3.8272088943289	<b>UBE2FP1</b>	-1.23201630019628
<b>ELFN2</b>	-3.87721047961369	<b>UBE2G2</b>	-1.33907738559269
<b>VAMP5</b>	-3.90737968245372	<b>UBE2H</b>	-1.69228205880284
<b>KMO</b>	-3.93951610226074	<b>UBE2HP1</b>	-1.18817949164954
<b>NMU</b>	-3.94092013304041	<b>UBE3C</b>	-1.40259913124611
<b>DYNC1I1</b>	-3.95228721272617	<b>UBXN11</b>	-1.03480806406023
<b>KRT223P</b>	-3.96800481179923	<b>UGCG</b>	-1.0752512165662
<b>ROR2</b>	-3.96842900630332	<b>UGT1A6</b>	-6.72745442336316
<b>SKAP1</b>	-3.99349461835528	<b>UGT1A7</b>	-1.05783259919979
<b>ECHDC3</b>	-3.99665543629566	<b>UGT1A8</b>	-4.59525112117106
<b>RP11-267A15.1</b>	-4.00009955842772	<b>ULBP2</b>	-1.53617657401928
<b>ZNF506</b>	-4.01069075593165	<b>UPB1</b>	-1.36769677241104
<b>DNAJC15</b>	-4.01134898535328	<b>UPK1B</b>	-2.90120260737869
<b>RP11-331F4.1</b>	-4.01317929284166	<b>URB1</b>	-1.15824379970524
<b>MAP7D2</b>	-4.01763984408144	<b>USP12</b>	-1.083085402007
<b>C10orf128</b>	-4.030801321459	<b>USP13</b>	-1.00240030150018
<b>STXBP6</b>	-4.03311783537698	<b>USP16</b>	-1.03032188659469
<b>RNF128</b>	-4.04120743492764	<b>USP25</b>	-1.09543835432368
<b>GRB7</b>	-4.06177243743093	<b>USP5</b>	-1.0263705105444
<b>NCAM1</b>	-4.1077525884581	<b>USP9Y</b>	-5.65297077648891
<b>SCARF2</b>	-4.11503777216132	<b>UTY</b>	-5.5292952517767
<b>SLC16A4</b>	-4.18133485946983	<b>VAC14-AS1</b>	-2.02473561449569
<b>VPS9D1-AS1</b>	-4.18659206099585	<b>VAMP5</b>	-3.90737968245372
<b>SPATA18</b>	-4.20327926882411	<b>VAV3</b>	-3.4156611319697

<b>AK5</b>	-4.21244861293007	<b>VCAM1</b>	-6.15510299882547
<b>PTCHD4</b>	-4.22018444965332	<b>VCAN</b>	-1.47305904939188
<b>EVC2</b>	-4.23063870054077	<b>VDAC1</b>	-1.02174560481009
<b>EVI2A</b>	-4.28919476610671	<b>VEPH1</b>	-1.23729960579199
<b>AGTRAP</b>	-4.29330159611033	<b>VILL</b>	-2.08374108618197
<b>DNAJC22</b>	-4.30410779713312	<b>VPS9D1-AS1</b>	-4.18659206099585
<b>B3GALT5</b>	-4.30690795619165	<b>VSTM4</b>	-3.41770837098796
<b>GPR1</b>	-4.36231501516776	<b>VWA1</b>	-1.17989329595273
<b>CDK15</b>	-4.38475703902596	<b>VWA5A</b>	-2.98907966736265
<b>RCAN3</b>	-4.40389250532228	<b>WASL</b>	-1.43797914386414
<b>ZNF43</b>	-4.43770698903463	<b>WBSCR16</b>	-1.24208996567483
<b>SUSD4</b>	-4.45627043873728	<b>WBSCR22</b>	-1.47053974497309
<b>SLC16A5</b>	-4.45686328058376	<b>WDR4</b>	-1.21776955290311
<b>B4GALNT4</b>	-4.4658318612671	<b>WDR5B</b>	-1.12158378089646
<b>PLEK</b>	-4.52434066996294	<b>WDR72</b>	-1.43953059351747
<b>PODXL2</b>	-4.52842813698007	<b>WDR91</b>	-2.49208775089808
<b>L3MBTL4</b>	-4.5289784070167	<b>WT1</b>	-1.85323756851555
<b>HHIPL2</b>	-4.53591129349724	<b>WWTR1</b>	-1.0617662283385
<b>CSF1R</b>	-4.53880217068712	<b>XAF1</b>	-3.33705639463239
<b>SLC4A4</b>	-4.57770940067413	<b>XRCC2</b>	-1.67015740637996
<b>ZNF300</b>	-4.59044893658912	<b>XXcos-LUCA11.4</b>	-1.19180551675096
<b>UGT1A8</b>	-4.59525112117106	<b>XXyac-YM21GA1</b>	-1.50981330884101
<b>ZCCHC5</b>	-4.60241477631991	<b>YBEY</b>	-1.03253083329502
<b>SYK</b>	-4.64693000822441	<b>YIPF2</b>	-1.14544346332481
<b>GRIN2B</b>	-4.648407930829	<b>YRDC</b>	-1.02850453975036
<b>ILDR2</b>	-4.6607240307511	<b>YWHAG</b>	-1.33698274073203
<b>ARHGAP28</b>	-4.6641781117157	<b>ZBED6CL</b>	-1.38537676870858
<b>SLC16A12</b>	-4.68588153422629	<b>ZBTB18</b>	-1.22161322726593
<b>CARD11</b>	-4.75067211652356	<b>ZBTB38</b>	-2.4465922703597
<b>ZNF140</b>	-4.76116865871045	<b>ZC3HC1</b>	-1.12352488285182
<b>GPX3</b>	-4.78691205036929	<b>ZCCHC5</b>	-4.60241477631991
<b>NLGN4Y</b>	-4.87125037516848	<b>ZCWPW1</b>	-1.28649237338019
<b>PRKY</b>	-4.90656323623007	<b>ZFP3</b>	-1.72224705250815
<b>SATB1</b>	-4.9182529601329	<b>ZFP82</b>	-2.39961068526318
<b>BCL2L15</b>	-4.9494333073898	<b>ZFPM1</b>	-1.13788666891345
<b>SLC2A3</b>	-4.95449591056742	<b>ZFY</b>	-5.71609115668161
<b>CA12</b>	-4.99892508943625	<b>ZKSCAN1</b>	-1.33167236024784
<b>LINC00704</b>	-5.02538983979673	<b>ZMAT3</b>	-1.20016237882374
<b>AC004791.2</b>	-5.10677562879685	<b>ZNF117</b>	-1.38538261890818
<b>C22orf34</b>	-5.16450677592684	<b>ZNF140</b>	-4.76116865871045
<b>KCNK1</b>	-5.16938507224926	<b>ZNF185</b>	-1.78347547667423
<b>PLEKHG4B</b>	-5.23910617157845	<b>ZNF275</b>	-1.62313736053852
<b>ALPK3</b>	-5.25571732043333	<b>ZNF282</b>	-1.10812066656453
<b>CFH</b>	-5.29136127339618	<b>ZNF296</b>	-3.62753082228274
<b>LAYN</b>	-5.36079333164028	<b>ZNF3</b>	-1.29719227218287
<b>EDA2R</b>	-5.41141366683029	<b>ZNF300</b>	-4.59044893658912
<b>KCNH2</b>	-5.52047324263345	<b>ZNF320</b>	-1.17851564471501
<b>UTY</b>	-5.5292952517767	<b>ZNF365</b>	-3.36847872240413
<b>COL4A5</b>	-5.54382336200188	<b>ZNF398</b>	-1.14895163013881
<b>PTPN6</b>	-5.65095254670192	<b>ZNF425</b>	-1.59239090055866

<b>EIF1AY</b>	-5.65193518133929	<b>ZNF43</b>	-4.43770698903463
<b>USP9Y</b>	-5.65297077648891	<b>ZNF439</b>	-1.38926986758467
<b>RAB36</b>	-5.6989963061257	<b>ZNF471</b>	-1.53310248063236
<b>MGMT</b>	-5.70468285136659	<b>ZNF486</b>	-1.39501338640364
<b>CENPV</b>	-5.71047696896032	<b>ZNF491</b>	-1.13188956379392
<b>ZFY</b>	-5.71609115668161	<b>ZNF506</b>	-4.01069075593165
<b>LINC00665</b>	-5.76331630487695	<b>ZNF513</b>	-2.40128405542919
<b>SPN</b>	-5.77670102569125	<b>ZNF528</b>	-2.97372326463175
<b>ID3</b>	-5.82185155317149	<b>ZNF568</b>	-2.02077448128291
<b>TTY15</b>	-5.85666418792017	<b>ZNF585A</b>	-3.63570517029499
<b>TXLNG2P</b>	-5.90926462894479	<b>ZNF585B</b>	-3.3289855962043
<b>GALNT5</b>	-5.99076845412303	<b>ZNF586</b>	-1.71166243560672
<b>GJA1</b>	-5.993732623996	<b>ZNF593</b>	-1.05845997935453
<b>NDN</b>	-6.03834324390368	<b>ZNF626</b>	-1.23438447689681
<b>SPOCK1</b>	-6.05998968142764	<b>ZNF630</b>	-2.88390304616829
<b>CDH6</b>	-6.0780187493647	<b>ZNF655</b>	-1.19850074812447
<b>VCAM1</b>	-6.15510299882547	<b>ZNF665</b>	-2.69824472265324
<b>CLDN4</b>	-6.35470088204738	<b>ZNF667</b>	-1.23141856874956
<b>RBM23</b>	-6.50666251179428	<b>ZNF667-AS1</b>	-1.0043786510919
<b>RP13-36G14.3</b>	-6.51874581746173e-05	<b>ZNF736P9Y</b>	-2.42199877984748
<b>NID1</b>	-6.52083750775042	<b>ZNF772</b>	-3.50479941531057
<b>SHISA2</b>	-6.5978606048503	<b>ZNF775</b>	-2.0367926887379
<b>UGT1A6</b>	-6.72745442336316	<b>ZNF783</b>	-1.2479084052493
<b>DDX3Y</b>	-6.95541956462426	<b>ZNF789</b>	-1.18458638647701
<b>COL6A3</b>	-6.95714569363262	<b>ZNF813</b>	-1.96781823586231
<b>KDM5D</b>	-7.01796630684176	<b>ZNF829</b>	-3.33674019255188
<b>FLG</b>	-7.29108280405468	<b>ZNF862</b>	-2.06751840435996
<b>ALDH2</b>	-7.47979461048787	<b>ZNF883</b>	-2.68463017026968
<b>PEG10</b>	-7.9147399555245	<b>ZNHIT1</b>	-1.60186689019319
<b>ALDH1A1</b>	-8.10268486043232	<b>ZNHIT1P1</b>	-1.76201710669398
<b>RARRES2</b>	-8.50882223858208	<b>ZSCAN25</b>	-1.1052058018673
<b>MYL9</b>	-8.71288354678854	<b>ZSCAN5A</b>	-1.15511280023435
<b>RPS4Y1</b>	-8.88152282557197	<b>ZYX</b>	-1.28921909995491

<b>GROUP</b>	
Number of patients	57
ccRCC	57 (100%)
Sex	
- Woman	19 (33.3%)
- Man	38 (66.7%)
Age	62 (42-82)
Furhman grade	
- 2	20 (35.1%)
- 3	21 (36.8%)
- 4	16 (28.1%)
Metastatic status pM	
- M0	43 (75.4%)
- M1	14 (24.6%)
Lymp-h node status pN	
- N0	48 (84.2%)
- N1	9 (15.8%)
Size status pT	
- 1	20 (35.1%)
- 2	9 (15.8%)
- 3	26 (45.6%)
- 4	2 (3.5%)

**Table S5: Giuliano, S *et al***

<b>COHORT Treatment</b>	<b>SUVEGIL Sunitinib</b>	<b>TORAVA Bevacizumab/roferon</b>	<b>TORAVA Bevacizumab/temsirolimus</b>
Number of patients	37	13	32
<b>Gender</b>			
Female	8 (21.6%)	5 (38.5%)	7 (21.9%)
Male	29 (78.4%)	8 (61.5%)	25 (78.1%)
<b>PRIMARY TUMOR</b>			
<b>Fuhrman grade</b>			
1	1 (2.7%)	1 (7.6%)	2 (6.2%)
2	10 (27%)	4 (30.8%)	7 (21.9%)
3	19 (51.4%)	5 (38.5%)	12 (37.5%)
4	7 (18.9%)	3 (23.1%)	11 (34.4%)
<b>pT</b>			
1	6 (16.2%)	0 (0%)	7 (21,9%)
2	10 (27%)	3 (23.1%)	4 (12.5%)
3	14 (37.9%)	7 (53.8%)	16 (50%)
X	7 (18,9%)	3 (23.1%)	5 (15.6%)
<b>pN</b>			
0	13 (35.1%)	0 (0%)	0 (0%)
1	2 (5.4%)	0 (0%)	0 (0%)
2	4 (10.8%)	0 (0%)	0 (0%)
NA	18 (48.7%)	13 (100%)	32 (100%)
<b>BEGINNING OF THE TREATMENT</b>			
<b>Age at therapy initiation (yr)</b>	63.6 (10.3)	58.7 (7.8)	57.2 (11.3)
<b>Metastatic at diagnosis</b>	10 (27%)	4 (30.8%)	14 (43.7%)
<b>Time from diagnosis to treatment</b>			
< 1 yr	17 (45.9%)	7 (53.9%)	19 (59.4%)
≥ 1 yr	20 (54.1%)	6 (46.1%)	13 (40.6%)
<b>Number of metastatic sites</b>			
1	18 (48.7%)	6 (46.1%)	16 (50%)
2	12 (32.4%)	5 (38.5%)	8 (25%)
≥ 3	7 (18.9%)	2 (15.4%)	8 (25%)
<b>Risk factor (MSKCC)</b>			
Good	16 (43.2%)	5 (38.5%)	14 (43.7%)
Intermediate	13 (35.1%)	7 (53.8%)	16 (50%)
Bad	1 (2.7%)	0 (0%)	0 (0%)
NA	7 (19%)	1 (7.7%)	2 (6.3%)
<b>Median followed (month)</b>	44.5 (21.9-NR)	24 (23-NR)	24 (23.1-NR)

**Table S6: Giuliano, S et al**

<b>COHORT</b>	<b>SUVEGIL</b>	<b>TORAVA</b>	<b>TORAVA</b>
<b>Treatment</b>	Sunitinib	bevacizumab/roferon	bevacizumab/temsirolimus
<b>Median survival (month)</b>	24.6 (20.5-34.4)	NR (21.1-NR)	24.1 (17.4-NR)
<b>Best Response</b>			
Complete response	4 (10.8%)	0 (0%)	2 (6.2%)
Partial response	12 (32.4%)	8 (61.5%)	7 (21.9%)
Stable disease	17 (46%)	3 (23.1%)	14 (43.8%)
Progression	4 (10.8%)	2 (15.4%)	8 (25%)
NA	0 (0%)	0 (0%)	1 (3.1%)

**Table S7: Giuliano, S *et al***