

Supplementary Material

1 Supplementary Figure

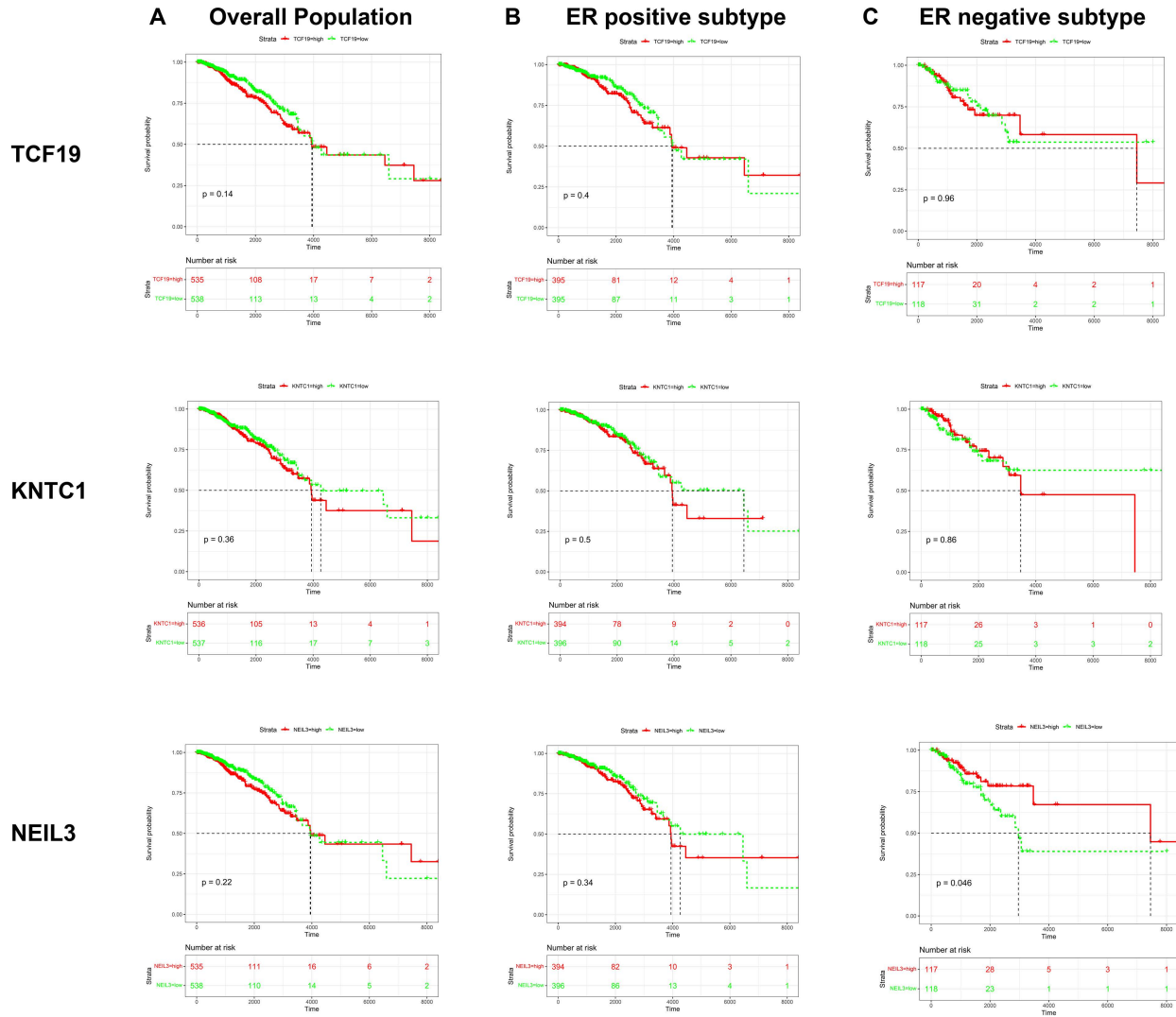


Figure S1. Kaplan-Meier survival curve analysis of the hub genes (*TCF19*, *KNTC1*, and *NEIL3*) in breast cancer patients. (A) Survival curve for all breast cancer patients. (B) Survival curve for ER-positive breast cancer patients. (C) Survival curve for ER-negative breast cancer patients. Abbreviation: ER, estrogen receptor.

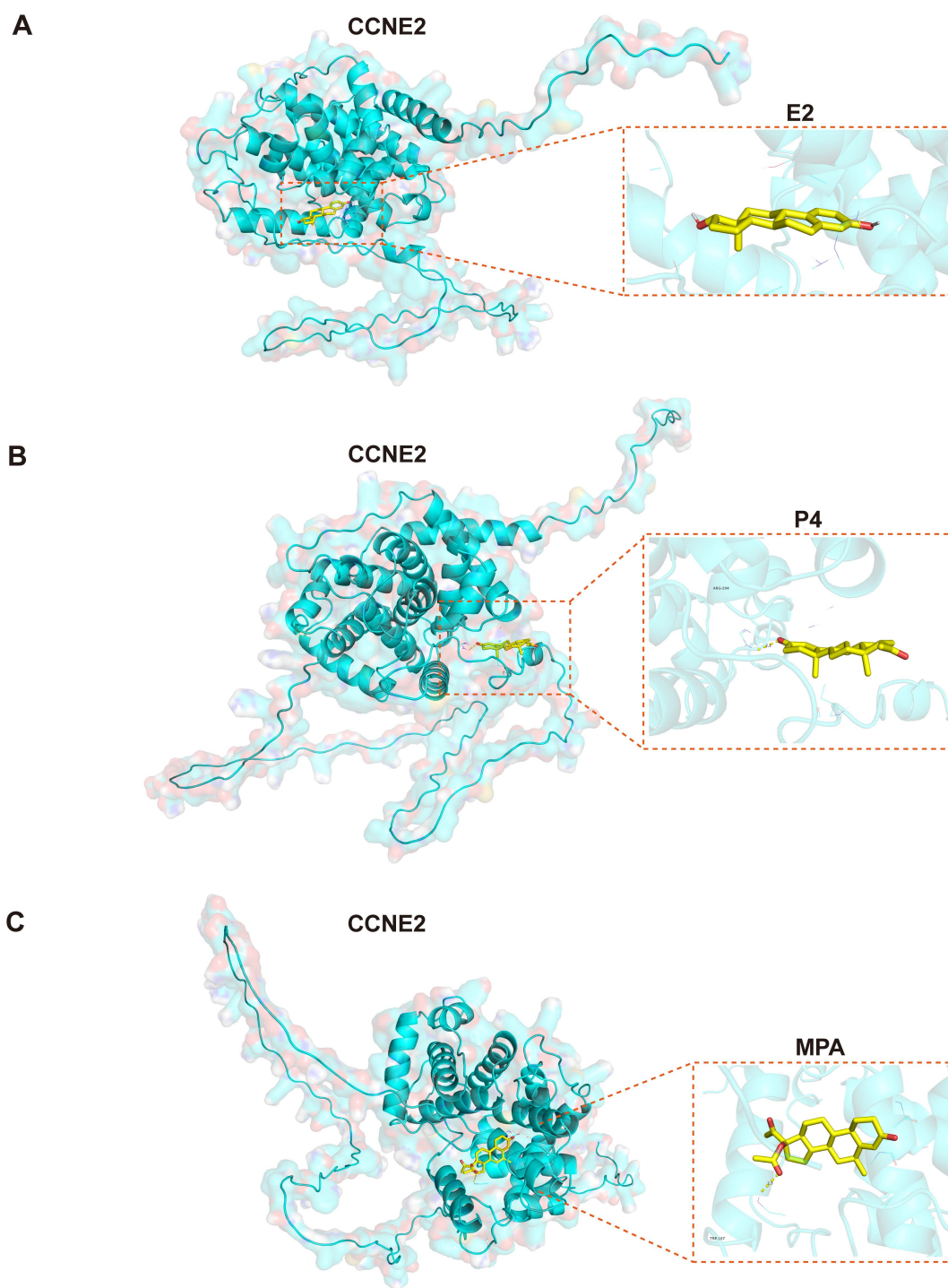


Figure S2. Molecular docking results of CCNE2 binding to E2 (A), P4 (B), and MPA (C).

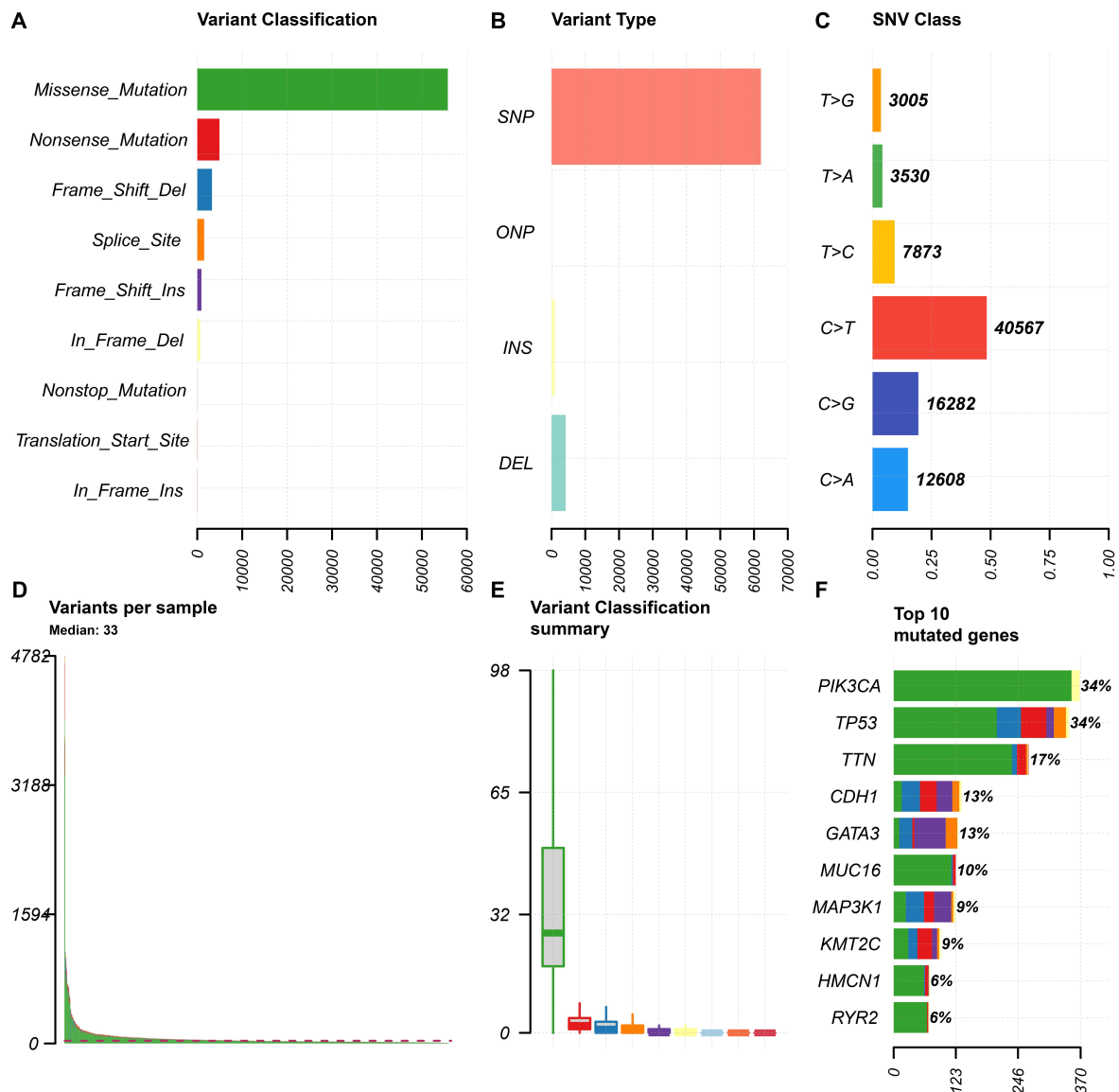


Figure S3. The summary of mutation information in the TCGA-BRCA. **(A)** The variant classifications of gene mutations. **(B)** Types of genome variation. **(C)** Types of single nucleotide changes. **(D)** The median number of mutations per sample. **(E)** The summary of variant classification. **(F)** Top 10 most frequently mutated genes.

2 Supplementary Table

Table S1. The number of DEGs for each progestin compared to a vehicle with or without estradiol, based on GSE62243 analysis.

		Up-Regulated DEGs	Down-Regulated DEGs	Total DEGs
Comparison		(FC \geq 1.0 and P.Value < 0.05)	(FC \geq 1.0 and P.Value < 0.05)	
Progestins without E2	P4 vs. Vh	552	131	683
	MPA vs. Vh	1056	302	1358
E2	E2 vs. Vh	196	33	229
Progestins + E2	E2_P4 vs. Vh	1614	437	2051
	E2_MPA vs. Vh	1455	380	1835

Abbreviations: E2: estradiol; P4: progesterone; MPA: medroxyprogesterone acetate; FC: fold change; DEGs: differentially expressed genes.

Table S2. The intersection of the upregulated differential genes among the P4, MPA, and BRCA groups.

No.	Gene names	No.	Gene names	No.	Gene names
1	<i>TCF19</i>	12	<i>CCDC64</i>	23	<i>CHD5</i>
2	<i>DEPDC1B</i>	13	<i>KIF14</i>	24	<i>IQGAP3</i>
3	<i>CDCA5</i>	14	<i>SLC39A6</i>	25	<i>ATAD2</i>
4	<i>PLEKHF2</i>	15	<i>HIST1H4C</i>	26	<i>NELL2</i>
5	<i>CCNE2</i>	16	<i>POLQ</i>	27	<i>ATP1A4</i>
6	<i>NUSAP1</i>	17	<i>SFXN1</i>	28	<i>S100P</i>
7	<i>KNTC1</i>	18	<i>STRBP</i>	29	<i>KCNJ11</i>
8	<i>ASPHD2</i>	19	<i>RAD51</i>	30	<i>SAP30</i>
9	<i>ECT2</i>	20	<i>KCNG3</i>	31	<i>LYPLA1</i>
10	<i>NEIL3</i>	21	<i>MCM10</i>	32	<i>MLPH</i>
11	<i>FEN1</i>	22	<i>CKAP2</i>	33	<i>CHRNA5</i>

No.	Gene names
34	<i>GALNT6</i>
35	<i>GPR89A</i>
36	<i>CNTNAP2</i>
37	<i>CLIC6</i>
38	<i>SCRG1</i>
39	<i>PLA2G10</i>
40	<i>FXYD3</i>
41	<i>CDKN2D</i>
42	<i>HMGB3</i>
43	<i>HSD11B2</i>
44	<i>PTCHD2</i>
45	<i>RCC2</i>
46	<i>PIK3R2</i>
47	<i>PNMT</i>
48	<i>LRRC31</i>
49	<i>ZBED2</i>
50	<i>MFSD7</i>
51	<i>ZWINT</i>
52	<i>KCNG1</i>
53	<i>SCGB1D2</i>
54	<i>RAD21</i>
55	<i>GPC4</i>
56	<i>RAD51AP1</i>
57	<i>HIST1H2BF</i>
58	<i>GPSM2</i>
59	<i>GPR160</i>
60	<i>SP6</i>
61	<i>HIST1H3B</i>
62	<i>PRR11</i>
63	<i>HMMR</i>
64	<i>ST3GAL4</i>
65	<i>PACSIN1</i>
66	<i>E2F7</i>
67	<i>TMEM63C</i>
68	<i>ZIC2</i>
69	<i>SLC16A6</i>
70	<i>SCUBE2</i>
71	<i>EDN2</i>
72	<i>FANCD2</i>
73	<i>PSPH</i>
74	<i>SRP9</i>
75	<i>CA12</i>
76	<i>GJB2</i>

No.	Gene names
77	<i>POLE2</i>
78	<i>CENPA</i>
79	<i>RDH16</i>
80	<i>BRCA1</i>
81	<i>KCNK1</i>
82	<i>HDAC11</i>
83	<i>HMGB2</i>
84	<i>RBP2</i>
85	<i>H3F3A</i>
86	<i>RRM2</i>
87	<i>MUC1</i>
88	<i>SLC7A8</i>
89	<i>KRT4</i>
90	<i>KIAA0101</i>
91	<i>MMP13</i>
92	<i>TCEB1</i>
93	<i>APITD1</i>
94	<i>CKAP4</i>
95	<i>ORM2</i>
96	<i>CALR</i>

Table S3. The 773 DEGs in the P4 group.

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>MAFB</i>	5.961978	6.488241	40.99148	3.45E-11	4.32E-07
<i>LOC128977</i>	4.887486	1.20182	32.53805	2.50E-10	2.09E-06
<i>SLC25A18</i>	4.076237	5.61993	28.65179	7.43E-10	4.64E-06
<i>NDRG1</i>	4.878863	5.883984	27.67797	9.98E-10	4.99E-06
<i>S100P</i>	6.145261	7.084805	26.17518	1.61E-09	5.98E-06
<i>LOC388610</i>	4.365248	5.398122	24.61498	2.71E-09	8.48E-06
<i>ZBTB16</i>	3.901878	3.743559	24.07292	3.28E-09	9.11E-06
<i>SGK</i>	4.693695	4.969902	23.05439	4.74E-09	1.18E-05
<i>PHACTR3</i>	3.742773	3.358618	22.58274	5.65E-09	1.28E-05
<i>FKBP5</i>	4.59544	7.915282	20.98817	1.05E-08	2.13E-05
<i>TIPARP</i>	3.433586	6.666141	20.71899	1.17E-08	2.13E-05
<i>ATP1A1</i>	3.509602	7.993642	19.375	2.07E-08	3.45E-05
<i>FBXO32</i>	2.720752	7.056045	18.96822	2.47E-08	3.63E-05
<i>PNMT</i>	3.265166	3.73464	18.84539	2.61E-08	3.63E-05
<i>RBP2</i>	3.384705	4.370836	18.54078	3.00E-08	3.95E-05
<i>GPSM2</i>	3.233088	6.852612	18.27874	3.38E-08	4.23E-05
<i>FLJ41603</i>	2.889458	5.717883	18.08099	3.71E-08	4.41E-05
<i>LOC93622</i>	2.805099	7.812527	17.6881	4.46E-08	5.07E-05
<i>SLC26A3</i>	2.7181	2.802675	17.55616	4.75E-08	5.16E-05
<i>TSC22D1</i>	2.510788	6.832355	17.30536	5.36E-08	5.25E-05
<i>RPS6KA5</i>	2.59837	4.078579	17.26885	5.46E-08	5.25E-05
<i>NFKBIA</i>	3.41585	9.562685	17.26754	5.46E-08	5.25E-05
<i>CLDN8</i>	3.890344	5.633089	16.97843	6.29E-08	5.82E-05
<i>FLJ20366</i>	2.45961	4.690229	16.7625	7.01E-08	6.25E-05
<i>ACSL1</i>	3.122502	5.882675	16.65842	7.38E-08	6.36E-05
<i>KCNG1</i>	2.845313	4.416772	16.55978	7.76E-08	6.46E-05

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>RDH16</i>	2.364535	4.433418	16.14458	9.60E-08	7.65E-05
<i>DSCR6</i>	2.694187	6.896664	16.10614	9.79E-08	7.65E-05
<i>ALPL</i>	3.520135	3.436931	15.89205	1.10E-07	8.30E-05
<i>ATAD4</i>	2.867615	7.393206	15.74754	1.18E-07	8.69E-05
<i>HSD11B2</i>	2.604193	4.277689	15.3372	1.47E-07	0.000105
<i>STAT5A</i>	2.344488	4.324637	15.07074	1.71E-07	0.000115
<i>TSC22D3</i>	2.177554	3.670239	15.03113	1.74E-07	0.000115
<i>MLLT7</i>	2.166394	4.309871	14.61892	2.20E-07	0.000141
<i>STMN3</i>	2.195327	5.869853	14.57123	2.26E-07	0.000141
<i>SERPINA3</i>	2.414096	4.663972	14.38406	2.52E-07	0.00015
<i>TM4SF11</i>	2.425354	4.532835	14.32399	2.60E-07	0.00015
<i>SGPP2</i>	2.136923	2.141253	14.28357	2.67E-07	0.00015
<i>DDIT4</i>	2.126637	6.822588	14.28236	2.67E-07	0.00015
<i>CYP27A1</i>	2.048517	3.876249	14.25977	2.70E-07	0.00015
<i>PACSL1</i>	2.398944	7.064347	14.2176	2.77E-07	0.000151
<i>ADAMTS8</i>	2.896168	4.320929	13.98663	3.17E-07	0.000169
<i>P4HA2</i>	2.279293	7.318828	13.90156	3.34E-07	0.000174
<i>BNIP3</i>	2.361594	8.37333	13.78681	3.58E-07	0.000182
<i>STOM</i>	3.309304	8.752236	13.61557	3.97E-07	0.00019
<i>ADD3</i>	2.41737	4.540245	13.53854	4.16E-07	0.000192
<i>C6orf85</i>	2.858206	7.464341	13.50191	4.25E-07	0.000193
<i>FLJ14503</i>	1.933482	2.334969	13.36989	4.61E-07	0.000202
<i>ATP1B1</i>	4.750905	8.056857	13.3531	4.66E-07	0.000202
<i>FAM105A</i>	1.932324	3.968372	13.34459	4.68E-07	0.000202
<i>CRIM1</i>	2.790802	4.834842	13.22424	5.05E-07	0.000214
<i>K6IRS3</i>	3.048269	3.239948	13.15512	5.27E-07	0.00022
<i>SERPINA5</i>	2.499051	2.444276	13.00081	5.81E-07	0.000236
<i>PDK4</i>	2.105268	2.559078	12.873	6.30E-07	0.00025
<i>PXMP4</i>	2.608026	7.191444	12.59854	7.53E-07	0.000282

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>CORO2B</i>	1.909733	1.93223	12.58351	7.60E-07	0.000282
<i>CLIC6</i>	2.307834	7.67961	12.57918	7.62E-07	0.000282
<i>SLC37A2</i>	2.088163	1.923416	12.47312	8.17E-07	0.000296
<i>MYO10</i>	1.968502	6.751909	12.41916	8.47E-07	0.000302
<i>KLF9</i>	1.827789	4.398686	12.3699	8.75E-07	0.000308
<i>RASGEF1A</i>	1.809503	5.320932	12.35018	8.86E-07	0.000308
<i>AKR1D1</i>	2.191231	1.695663	12.32528	9.01E-07	0.000308
<i>NCKIPSD</i>	1.735933	4.956486	12.2332	9.58E-07	0.000319
<i>NEBL</i>	1.86264	5.011349	12.08024	1.06E-06	0.000347
<i>CEBPD</i>	2.307998	6.81648	12.07174	1.07E-06	0.000347
<i>THRSP</i>	2.092599	2.218952	12.04089	1.09E-06	0.00035
<i>SAP30</i>	1.713077	5.018934	11.95256	1.16E-06	0.000365
<i>TXNIP</i>	1.776418	7.79683	11.87893	1.22E-06	0.000374
<i>NELL2</i>	1.96803	2.322251	11.85771	1.24E-06	0.000374
<i>SEC14L2</i>	2.119969	4.047985	11.8515	1.24E-06	0.000374
<i>CG018</i>	1.853903	2.009793	11.7189	1.36E-06	0.000405
<i>CD9</i>	1.882698	8.980429	11.63591	1.44E-06	0.000424
<i>DTX2</i>	1.76568	5.520542	11.58003	1.50E-06	0.000434
<i>ZBED2</i>	1.909221	2.384609	11.57016	1.51E-06	0.000434
<i>AK3L2</i>	3.440492	4.772726	11.54083	1.54E-06	0.000438
<i>SLPI</i>	2.628045	4.187567	11.50118	1.59E-06	0.000446
<i>TPARL</i>	1.673501	4.569616	11.37614	1.73E-06	0.000474
<i>MPHOSPH10</i>	2.298226	7.147673	11.36696	1.75E-06	0.000474
<i>ZFP36</i>	1.720337	7.082115	11.31743	1.81E-06	0.000486
<i>SCRG1</i>	2.452965	3.0187	11.15661	2.03E-06	0.000535
<i>HIG2</i>	1.913741	7.647776	11.05309	2.19E-06	0.000571
<i>ENPP1</i>	2.173785	4.540104	11.0229	2.24E-06	0.000578
<i>CD59</i>	2.321603	4.521792	10.96357	2.34E-06	0.000597

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>C7orf24</i>	2.869595	7.709396	10.92953	2.40E-06	0.000606
<i>TMEM38B</i>	1.995011	6.309002	10.88754	2.48E-06	0.000619
<i>IL20RA</i>	2.000419	4.509441	10.84371	2.56E-06	0.000627
<i>DPYSL2</i>	2.474892	7.729125	10.78072	2.68E-06	0.000648
<i>CA4</i>	1.594262	2.44818	10.74299	2.76E-06	0.000657
<i>ATAD2</i>	2.601676	7.718216	10.58304	3.12E-06	0.000731
<i>BIRC3</i>	2.016918	2.967346	10.57718	3.13E-06	0.000731
<i>FLJ10847</i>	1.754412	4.801111	10.52622	3.25E-06	0.000753
<i>STEAP2</i>	1.680577	4.429807	10.48248	3.36E-06	0.000772
<i>SASH1</i>	2.129231	5.364169	10.4099	3.56E-06	0.000796
<i>SCNN1A</i>	1.995123	7.138009	10.39573	3.60E-06	0.000796
<i>CHPT1</i>	1.619048	8.129218	10.3838	3.63E-06	0.000796
<i>PGAM1</i>	1.576129	7.545585	10.16575	4.31E-06	0.00092
<i>LOC51136</i>	2.328543	4.963745	10.08252	4.60E-06	0.000972
<i>CDKN1A</i>	1.5676	7.620607	10.07466	4.63E-06	0.000972
<i>MTMR9</i>	2.31474	5.249707	10.05625	4.70E-06	0.000978
<i>C1QDC1</i>	1.824493	5.37932	9.972037	5.02E-06	0.001025
<i>PRR11</i>	1.98705	4.549355	9.957773	5.08E-06	0.001025
<i>STEAP1</i>	1.702529	3.83475	9.932349	5.19E-06	0.001037
<i>TBC1D2</i>	1.533466	5.029482	9.918938	5.24E-06	0.00104
<i>PIK3R1</i>	1.785738	4.155275	9.832996	5.62E-06	0.001106
<i>RRM2</i>	2.664735	5.195801	9.781889	5.86E-06	0.001136
<i>NOTCH2</i>	1.716059	5.175928	9.780696	5.87E-06	0.001136
<i>CENPA</i>	1.476139	6.521509	9.745995	6.03E-06	0.001151
<i>LAMC3</i>	1.771368	1.959508	9.739396	6.07E-06	0.001151
<i>ZIC2</i>	1.942693	4.985585	9.727328	6.13E-06	0.001151
<i>TMEM63C</i>	1.89659	2.356109	9.664583	6.45E-06	0.001189
<i>LAMA3</i>	1.562311	3.904557	9.660602	6.47E-06	0.001189
<i>LOC653994</i>	3.539039	6.421077	9.660498	6.47E-06	0.001189

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>LSM12</i>	1.835872	4.558279	9.652028	6.52E-06	0.001189
<i>MRFAP1</i>	1.719803	10.7029	9.581235	6.91E-06	0.001242
<i>FAM107B</i>	1.918092	7.08566	9.573019	6.96E-06	0.001242
<i>BCL7C</i>	1.625905	6.85577	9.443594	7.75E-06	0.001375
<i>DEGS1</i>	1.472941	7.217258	9.428671	7.85E-06	0.001382
<i>APM-1</i>	2.112136	2.230457	9.387498	8.13E-06	0.001411
<i>AK3L1</i>	1.786669	4.1509	9.370474	8.25E-06	0.001422
<i>PIM2</i>	1.331975	4.926302	9.351819	8.38E-06	0.001434
<i>TMEM56</i>	1.59715	3.846335	9.324247	8.58E-06	0.001458
<i>LCMT1</i>	1.944425	9.195602	9.30827	8.69E-06	0.001468
<i>PTPNS1</i>	1.355264	4.918528	9.286115	8.86E-06	0.001482
<i>CAMK2N1</i>	1.541216	6.763556	9.281847	8.89E-06	0.001482
<i>GOT1</i>	1.573401	9.600404	9.252782	9.11E-06	0.001509
<i>CCDC34</i>	2.002453	6.696003	9.238729	9.22E-06	0.001517
<i>MAN1A1</i>	2.07752	3.910705	9.186992	9.64E-06	0.001565
<i>CMTM7</i>	1.591277	7.794629	9.163417	9.84E-06	0.001583
<i>PNMA2</i>	1.469352	1.665778	9.159231	9.88E-06	0.001583
<i>TMEM87A</i>	1.670924	8.510614	9.142135	1.00E-05	0.001586
<i>LYPLA1</i>	2.3722	6.223133	9.098456	1.04E-05	0.001624
<i>WWC1</i>	1.603659	8.220228	9.08508	1.05E-05	0.001624
<i>RANBP1</i>	1.63152	7.341906	9.084506	1.05E-05	0.001624
<i>MLPH</i>	1.422023	9.115949	9.081195	1.06E-05	0.001624
<i>LOC652350</i>	1.496151	1.489368	9.07826	1.06E-05	0.001624
<i>ACADM</i>	2.094584	5.053866	9.070274	1.07E-05	0.001626
<i>ATBF1</i>	2.396897	4.933612	9.057789	1.08E-05	0.001626
<i>C9orf152</i>	1.54571	8.901333	9.050172	1.09E-05	0.001626
<i>LOC652838</i>	1.654387	3.935038	9.049324	1.09E-05	0.001626
<i>Pfs2</i>	1.308142	10.37155	9.007327	1.13E-05	0.001677

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>PEA15</i>	1.468191	8.328134	8.923225	1.21E-05	0.001773
<i>AUTS2</i>	1.492743	7.045976	8.898491	1.24E-05	0.0018
<i>CA12</i>	1.677892	9.533514	8.893022	1.25E-05	0.0018
<i>MAP3K6</i>	1.568533	5.502271	8.857094	1.29E-05	0.001842
<i>C10orf78</i>	1.476009	4.186815	8.854078	1.29E-05	0.001842
<i>HOMER2</i>	1.705853	6.055457	8.818358	1.33E-05	0.001889
<i>LOC641997</i>	1.647615	1.459207	8.812557	1.34E-05	0.001889
<i>GPR160</i>	1.654891	5.304006	8.806548	1.35E-05	0.001889
<i>C6orf81</i>	2.733206	3.035729	8.794935	1.36E-05	0.001898
<i>MCM10</i>	1.351904	5.928947	8.764826	1.40E-05	0.001899
<i>ZNF541</i>	1.758171	3.020876	8.763518	1.40E-05	0.001899
<i>GJE1</i>	1.327342	1.737825	8.753203	1.41E-05	0.001899
<i>GJB2</i>	1.606602	3.92954	8.751602	1.41E-05	0.001899
<i>PGRMC2</i>	1.657448	8.987266	8.745305	1.42E-05	0.001899
<i>EHF</i>	2.121584	4.611244	8.732939	1.44E-05	0.00191
<i>LOC112714</i>	2.138185	2.7196	8.705465	1.47E-05	0.001944
<i>LOC653573</i>	2.552812	4.598333	8.701499	1.48E-05	0.001944
<i>P8</i>	1.79539	10.26644	8.69085	1.49E-05	0.001953
<i>LOC653764</i>	1.288407	3.297277	8.613228	1.60E-05	0.002073
<i>C14orf24</i>	2.586968	4.80284	8.583338	1.64E-05	0.002119
<i>TACC2</i>	1.397552	5.48931	8.570188	1.66E-05	0.002128
<i>F3</i>	2.194144	3.002646	8.555909	1.69E-05	0.002128
<i>CCDC21</i>	1.468875	4.656931	8.551044	1.69E-05	0.002128
<i>AZGP1</i>	2.298053	5.624828	8.550259	1.69E-05	0.002128
<i>IQCB1</i>	1.698754	4.471725	8.548533	1.70E-05	0.002128
<i>OCA2</i>	1.826719	1.48887	8.545206	1.70E-05	0.002128
<i>OACT2</i>	1.71055	4.09721	8.535595	1.72E-05	0.002136
<i>CDKN1B</i>	1.8764	4.68835	8.518752	1.74E-05	0.002158
<i>Ells1</i>	1.660331	5.609438	8.507751	1.76E-05	0.002162

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>BRCA1</i>	1.370122	3.621142	8.505967	1.76E-05	0.002162
<i>ST3GAL4</i>	1.617078	6.823832	8.499448	1.78E-05	0.002165
<i>NET1</i>	2.302762	6.615416	8.487439	1.79E-05	0.002174
<i>PIK3R2</i>	1.456972	8.034208	8.484261	1.80E-05	0.002174
<i>SCUBE2</i>	1.770764	6.006014	8.469773	1.82E-05	0.002192
<i>FXYD3</i>	1.520758	4.167815	8.455702	1.85E-05	0.002208
<i>PTCHD2</i>	1.63399	2.375112	8.451681	1.85E-05	0.002208
<i>THOC4</i>	1.742498	7.796509	8.42385	1.90E-05	0.002255
<i>LOC650122</i>	1.544913	2.130534	8.417409	1.91E-05	0.002257
<i>ATP1A4</i>	1.221151	1.690481	8.402932	1.94E-05	0.002261
<i>GM2A</i>	1.577786	7.547177	8.40214	1.94E-05	0.002261
<i>RAD21</i>	1.466336	4.560446	8.400489	1.94E-05	0.002261
<i>ZA20D3</i>	1.597825	5.57172	8.383807	1.98E-05	0.002277
<i>LRRC31</i>	1.471537	3.858366	8.369373	2.00E-05	0.002283
<i>LOC653542</i>	1.633708	3.801543	8.356238	2.03E-05	0.002292
<i>BCL6</i>	1.785686	6.402717	8.343909	2.05E-05	0.002308
<i>SRD5A1</i>	1.222628	3.864019	8.334172	2.07E-05	0.002318
<i>FAH</i>	1.491011	7.001513	8.289639	2.16E-05	0.002395
<i>KIAA1904</i>	1.253908	1.693885	8.281347	2.17E-05	0.002403
<i>AHNAK</i>	2.507777	10.61008	8.261648	2.21E-05	0.002433
<i>LOC646299</i>	1.437532	1.445019	8.224555	2.29E-05	0.0025
<i>CCNDBP1</i>	1.239723	5.36784	8.220413	2.30E-05	0.0025
<i>AXUD1</i>	1.24467	5.858614	8.206	2.33E-05	0.002524
<i>TAGLN</i>	1.313722	3.770132	8.191596	2.36E-05	0.00253
<i>VIPR1</i>	1.416244	5.700754	8.189743	2.37E-05	0.00253
<i>ERRFI1</i>	1.977066	6.689496	8.185129	2.38E-05	0.00253
<i>BNIP3L</i>	1.751316	6.319417	8.140575	2.48E-05	0.002617
<i>DCLRE1C</i>	1.343377	4.820844	8.10915	2.56E-05	0.002685

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>SLC41A2</i>	1.307775	4.502884	8.094268	2.59E-05	0.002712
<i>DKFZP564O0823</i>	1.257414	1.927238	8.089434	2.60E-05	0.002713
<i>LOC644940</i>	1.317737	2.207845	8.062355	2.67E-05	0.002772
<i>RAD51</i>	1.333279	4.057515	8.058008	2.68E-05	0.002772
<i>PARN</i>	1.211506	6.360092	8.051811	2.70E-05	0.002777
<i>ZDHHC14</i>	1.363155	4.891276	8.038887	2.73E-05	0.0028
<i>CALD1</i>	1.852499	4.433795	8.017269	2.79E-05	0.002824
<i>HMGB3</i>	1.899296	5.703732	7.946733	2.99E-05	0.002999
<i>RAD51AP1</i>	1.455024	4.950804	7.939776	3.01E-05	0.003001
<i>LOC652924</i>	2.426791	5.088049	7.93774	3.01E-05	0.003001
<i>AP1B1</i>	1.297408	6.572036	7.928787	3.04E-05	0.003015
<i>LOC652294</i>	1.649515	1.106559	7.920028	3.07E-05	0.003029
<i>KCNK1</i>	1.162696	3.758053	7.896143	3.14E-05	0.003075
<i>LPIN1</i>	1.723408	5.113166	7.887242	3.16E-05	0.00309
<i>FAM46C</i>	1.182593	3.744646	7.839871	3.31E-05	0.003192
<i>SCNN1G</i>	1.719847	2.551398	7.838889	3.32E-05	0.003192
<i>STK39</i>	1.873152	4.609932	7.829068	3.35E-05	0.003208
<i>PRKAB2</i>	1.314013	4.664859	7.824956	3.36E-05	0.003209
<i>C17orf79</i>	1.382381	8.89121	7.79514	3.46E-05	0.003291
<i>SLD5</i>	1.700356	4.955966	7.763416	3.57E-05	0.003357
<i>EFHD1</i>	1.713453	11.28179	7.75801	3.59E-05	0.003362
<i>CREB3L2</i>	1.575135	6.050532	7.754138	3.61E-05	0.003363
<i>CHMP4B</i>	1.204795	6.914581	7.746151	3.63E-05	0.003377
<i>DUSP1</i>	1.38804	6.210247	7.736298	3.67E-05	0.003397
<i>AFMID</i>	1.720231	4.823678	7.729956	3.69E-05	0.003406
<i>MCEE</i>	1.297244	7.569345	7.722348	3.72E-05	0.003419
<i>LOC653105</i>	1.241705	1.449985	7.712361	3.76E-05	0.00344
<i>AP3S1</i>	1.877454	6.998511	7.705649	3.78E-05	0.00345
<i>BTC</i>	1.182394	2.087002	7.687537	3.85E-05	0.003463

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>HSD17B2</i>	1.466303	2.243495	7.687534	3.85E-05	0.003463
<i>CDKN2D</i>	1.673643	3.941411	7.683846	3.86E-05	0.003463
<i>LOC81691</i>	1.205541	6.488036	7.670559	3.92E-05	0.003496
<i>C15orf38</i>	1.120752	4.16758	7.666495	3.93E-05	0.003498
<i>TMEM16A</i>	1.183121	4.112848	7.64288	4.03E-05	0.003534
<i>C6orf72</i>	1.230108	7.170125	7.640843	4.03E-05	0.003534
<i>SCP2</i>	1.511422	3.130379	7.638547	4.04E-05	0.003534
<i>ZNF652</i>	1.16139	3.672699	7.62454	4.10E-05	0.00357
<i>XPNPEP1</i>	1.138923	7.279742	7.621399	4.11E-05	0.00357
<i>MARVELD3</i>	1.41436	5.540521	7.614324	4.14E-05	0.00357
<i>ABCC8</i>	2.602965	2.939563	7.606428	4.17E-05	0.003586
<i>TAF5L</i>	1.262799	4.869207	7.601618	4.19E-05	0.003591
<i>FMO5</i>	2.252985	3.874355	7.593502	4.23E-05	0.003608
<i>LOC399942</i>	1.093037	7.434319	7.586437	4.26E-05	0.003621
<i>NAP1L4</i>	1.456538	8.7863	7.557034	4.39E-05	0.003705
<i>RHOU</i>	1.726012	2.953965	7.530702	4.50E-05	0.003768
<i>GLUL</i>	1.336477	2.755253	7.530097	4.51E-05	0.003768
<i>RBBP7</i>	1.640832	8.973756	7.515081	4.58E-05	0.00381
<i>GPR124</i>	1.603991	2.582464	7.512483	4.59E-05	0.00381
<i>C9orf52</i>	1.355451	4.685056	7.501553	4.64E-05	0.00382
<i>C22orf19</i>	1.512772	5.546248	7.491439	4.69E-05	0.00382
<i>SLC31A2</i>	1.211022	6.339168	7.486499	4.71E-05	0.00382
<i>CPT2</i>	1.154065	6.64299	7.484252	4.72E-05	0.00382
<i>CDC2</i>	1.467302	7.546642	7.48391	4.72E-05	0.00382
<i>TGOLN2</i>	1.20037	6.332779	7.47839	4.75E-05	0.003827
<i>PLEKHA6</i>	1.423828	5.237043	7.464776	4.82E-05	0.003858
<i>ELF5</i>	1.77998	6.909665	7.456077	4.86E-05	0.003862
<i>RUTBC1</i>	1.359182	9.002787	7.454379	4.87E-05	0.003862

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>DCK</i>	1.522346	4.637008	7.430345	4.99E-05	0.003932
<i>CDC2L1</i>	1.406028	4.29464	7.409943	5.09E-05	0.003984
<i>CNTNAP2</i>	1.402397	5.974443	7.392718	5.18E-05	0.004035
<i>PDDC1</i>	1.108842	5.094749	7.373093	5.29E-05	0.004104
<i>CDC42EP4</i>	1.707713	8.889899	7.368919	5.31E-05	0.004109
<i>CHD5</i>	1.254157	4.140533	7.355384	5.38E-05	0.004123
<i>CD44</i>	1.39392	5.339362	7.354313	5.39E-05	0.004123
<i>FLJ37587</i>	1.224445	2.10866	7.353687	5.39E-05	0.004123
<i>SLC16A6</i>	1.46207	3.782275	7.336868	5.49E-05	0.004169
<i>LOC648081</i>	3.087991	4.344044	7.330079	5.53E-05	0.004186
<i>PPL</i>	1.571625	5.321612	7.32026	5.58E-05	0.004203
<i>C9orf45</i>	1.561008	4.519568	7.301747	5.69E-05	0.004248
<i>TDP1</i>	1.035549	4.704743	7.300717	5.70E-05	0.004248
<i>RFWD3</i>	1.288811	6.544476	7.295473	5.73E-05	0.004248
<i>MCL1</i>	1.142438	4.664018	7.28394	5.80E-05	0.004274
<i>VDR</i>	1.163312	3.236228	7.283801	5.80E-05	0.004274
<i>ADAM9</i>	1.468933	3.956847	7.277183	5.84E-05	0.004274
<i>SMA4</i>	1.485683	6.137601	7.276826	5.84E-05	0.004274
<i>IFRD1</i>	1.214652	3.457989	7.273462	5.86E-05	0.004274
<i>LOC284998</i>	1.272029	1.845144	7.272501	5.86E-05	0.004274
<i>NUSAP1</i>	1.238963	9.018844	7.26054	5.94E-05	0.004314
<i>STRBP</i>	1.137054	5.777655	7.253369	5.98E-05	0.004334
<i>PPP1R13B</i>	1.203075	6.516927	7.242217	6.05E-05	0.004365
<i>PRRG4</i>	1.486299	3.957547	7.240828	6.06E-05	0.004365
<i>POLE2</i>	1.116774	6.36917	7.232524	6.11E-05	0.004391
<i>ZWINT</i>	1.147828	5.818811	7.226605	6.15E-05	0.004405
<i>GJA1</i>	1.613915	5.259212	7.215678	6.22E-05	0.004436
<i>CEP70</i>	1.542034	5.275748	7.214358	6.23E-05	0.004436
<i>LOC643790</i>	1.339732	5.008213	7.205109	6.29E-05	0.00446

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>CFLAR</i>	1.683622	4.59681	7.196716	6.34E-05	0.004473
<i>GNPTAB</i>	1.198158	6.771542	7.181078	6.45E-05	0.004528
<i>ALDH3A2</i>	1.163587	6.515251	7.159243	6.60E-05	0.004607
<i>LOC644162</i>	1.584287	4.364937	7.155545	6.62E-05	0.004612
<i>PPP2CB</i>	1.29288	5.708826	7.149945	6.66E-05	0.004626
<i>ACTN1</i>	1.635225	7.850998	7.142169	6.72E-05	0.004651
<i>NFYB</i>	1.176939	4.042196	7.131315	6.79E-05	0.004691
<i>LOC654037</i>	1.311285	3.568107	7.124358	6.84E-05	0.004713
<i>ULK2</i>	1.327192	3.518291	7.116717	6.90E-05	0.004738
<i>TNRC5</i>	1.083716	4.470633	7.113017	6.93E-05	0.004743
<i>SHMT1</i>	1.448556	7.175676	7.106233	6.98E-05	0.004751
<i>GPR137B</i>	1.428587	7.117566	7.096888	7.04E-05	0.004785
<i>GPD1L</i>	1.597755	8.769293	7.070731	7.24E-05	0.004879
<i>STK3</i>	1.127584	6.049689	7.061321	7.31E-05	0.004915
<i>SLC29A2</i>	1.36513	8.316879	7.033568	7.53E-05	0.005021
<i>HDAC11</i>	1.303466	5.092993	7.023174	7.62E-05	0.005063
<i>TRIM22</i>	1.831859	1.765561	7.001096	7.80E-05	0.005147
<i>LY6G5B</i>	1.570617	1.655081	7.000251	7.80E-05	0.005147
<i>LOC648763</i>	1.208073	3.807533	6.988811	7.90E-05	0.005186
<i>NAGK</i>	1.366449	8.206389	6.96814	8.08E-05	0.005246
<i>DDX46</i>	1.680216	5.881681	6.963713	8.11E-05	0.005246
<i>C16orf61</i>	1.173848	9.528509	6.963497	8.12E-05	0.005246
<i>LOC389641</i>	1.365551	4.620577	6.95834	8.16E-05	0.005246
<i>CACYBP</i>	1.275824	6.917886	6.957967	8.16E-05	0.005246
<i>LOC652506</i>	1.227948	5.267535	6.950122	8.23E-05	0.005257
<i>CWF19L1</i>	1.346888	4.534545	6.948963	8.24E-05	0.005257
<i>ADRB2</i>	1.046045	3.043669	6.944976	8.28E-05	0.00526
<i>ANKRD35</i>	1.055973	2.627341	6.94359	8.29E-05	0.00526

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>C10orf9</i>	1.64677	5.898123	6.935637	8.36E-05	0.005292
<i>PRIM2A</i>	1.290231	3.323622	6.929562	8.42E-05	0.005292
<i>CDKN2C</i>	1.093981	3.377343	6.928448	8.43E-05	0.005292
<i>G6PC</i>	1.37615	2.093475	6.918235	8.52E-05	0.005324
<i>MGAT2</i>	1.059097	4.603676	6.908676	8.61E-05	0.005365
<i>TNPO2</i>	1.422696	7.130425	6.890436	8.78E-05	0.005445
<i>NFIC</i>	1.273748	3.906069	6.890339	8.78E-05	0.005445
<i>ZMAT2</i>	1.128901	7.834425	6.877597	8.90E-05	0.005504
<i>CPEB4</i>	2.938177	4.243796	6.872734	8.95E-05	0.005504
<i>SNAP23</i>	1.365314	4.343783	6.872559	8.95E-05	0.005504
<i>CSNK1A1</i>	1.272574	5.119015	6.870593	8.97E-05	0.005504
<i>IRF1</i>	1.081986	3.807905	6.868393	8.99E-05	0.005504
<i>LFNG</i>	1.641912	4.949446	6.866699	9.01E-05	0.005504
<i>FAM13C1</i>	1.018481	2.525384	6.851101	9.16E-05	0.005584
<i>CCDC64</i>	1.167647	6.649169	6.844074	9.23E-05	0.005613
<i>AKAP10</i>	1.135545	4.185929	6.8337	9.33E-05	0.005649
<i>IRX3</i>	1.514129	10.20833	6.822625	9.45E-05	0.005689
<i>MCCC2</i>	1.230245	4.239475	6.817791	9.50E-05	0.005705
<i>CEP152</i>	1.446565	4.279749	6.815708	9.52E-05	0.005705
<i>CDC2L6</i>	1.445018	5.090917	6.806973	9.61E-05	0.005745
<i>RFC3</i>	1.323836	4.742919	6.798892	9.69E-05	0.005782
<i>KCNJ11</i>	1.050016	3.265539	6.777455	9.92E-05	0.005905
<i>KCNB1</i>	1.618515	4.205399	6.764905	0.000101	0.005972
<i>LOC440093</i>	1.14082	8.191142	6.752941	0.000102	0.006022
<i>ASPHD2</i>	1.094693	3.15188	6.746286	0.000103	0.006037
<i>ARMET</i>	1.221632	9.398527	6.736805	0.000104	0.006078
<i>ACBD7</i>	1.009159	3.608699	6.732127	0.000104	0.006078
<i>NETO2</i>	1.382543	3.311967	6.731622	0.000104	0.006078
<i>POLQ</i>	1.101173	4.849839	6.731153	0.000104	0.006078

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>ALDOA</i>	1.074386	9.212634	6.729484	0.000105	0.006078
<i>LIN7B</i>	1.230892	4.824204	6.726149	0.000105	0.006086
<i>RBPMS2</i>	1.051624	6.436368	6.711882	0.000107	0.006142
<i>HSPA5</i>	1.145635	6.262515	6.711494	0.000107	0.006142
<i>RAB3B</i>	1.208129	2.608677	6.707376	0.000107	0.006155
<i>CMIP</i>	1.509773	3.79487	6.704086	0.000108	0.006163
<i>CHRNA5</i>	1.281453	6.645268	6.674816	0.000111	0.006301
<i>PPP1R14C</i>	1.718607	1.943461	6.674246	0.000111	0.006301
<i>CCAR1</i>	1.216398	6.593615	6.67172	0.000111	0.006301
<i>PLA2G10</i>	1.122997	3.645908	6.663	0.000112	0.006332
<i>ASB9</i>	1.202737	3.141655	6.636193	0.000116	0.006493
<i>FRK</i>	1.277251	1.495324	6.612292	0.000119	0.006619
<i>PBEF1</i>	1.186321	3.672297	6.61084	0.000119	0.006619
<i>AKR1C3</i>	1.606508	3.415733	6.597365	0.000121	0.006704
<i>EPB41L3</i>	1.004823	5.136785	6.59198	0.000122	0.006724
<i>FLJ35934</i>	1.150756	3.711561	6.584786	0.000123	0.006746
<i>EXT2</i>	1.077306	4.271591	6.576557	0.000124	0.006756
<i>KIF5B</i>	1.05704	4.803647	6.569078	0.000125	0.006793
<i>MANBA</i>	1.10328	6.31373	6.567444	0.000125	0.006793
<i>ARID1A</i>	2.036033	4.382748	6.565777	0.000125	0.006793
<i>MASA</i>	1.050444	6.072095	6.563069	0.000126	0.006799
<i>SNX26</i>	1.107096	6.14544	6.539208	0.000129	0.006967
<i>DKFZp686L1814</i>	1.410259	3.988974	6.527385	0.000131	0.00703
<i>LRRFIP2</i>	1.283931	5.404215	6.520465	0.000132	0.007069
<i>FBXO5</i>	1.875536	6.241063	6.509853	0.000133	0.007123
<i>C1orf168</i>	1.187845	3.397852	6.493122	0.000136	0.007195
<i>CDKN1C</i>	1.273787	2.387271	6.46801	0.00014	0.007356
<i>NUP62</i>	1.170389	9.347663	6.464623	0.00014	0.007369

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>C20orf14</i>	1.227714	4.861334	6.460555	0.000141	0.007387
<i>LPIN3</i>	1.112594	3.882629	6.45618	0.000142	0.007408
<i>TSPAN33</i>	1.191587	5.637627	6.442419	0.000144	0.007467
<i>TSNAX</i>	2.118876	5.529456	6.440277	0.000144	0.007467
<i>ZNF503</i>	1.279674	2.943905	6.439907	0.000144	0.007467
<i>RRAGC</i>	1.155286	5.061591	6.435306	0.000145	0.007489
<i>C10orf113</i>	1.327786	2.376586	6.42949	0.000146	0.007509
<i>LRP5L</i>	1.25498	4.039559	6.422423	0.000147	0.007554
<i>DSCR1</i>	1.577733	8.911121	6.417995	0.000148	0.007572
<i>CTNNB1</i>	1.542383	3.106096	6.413358	0.000149	0.007572
<i>TRPV4</i>	1.128883	3.412165	6.413255	0.000149	0.007572
<i>HIPK2</i>	1.181544	5.295003	6.412548	0.000149	0.007572
<i>ZNF689</i>	1.835496	5.496529	6.409476	0.000149	0.007572
<i>LOC284023</i>	1.318438	4.313609	6.403782	0.00015	0.007606
<i>TMPO</i>	1.837889	3.65869	6.398577	0.000151	0.007636
<i>LOC653108</i>	1.166388	4.144642	6.393652	0.000152	0.007663
<i>PPP1CB</i>	1.261936	5.811277	6.383351	0.000154	0.007738
<i>DBI</i>	1.220937	11.70331	6.361072	0.000158	0.007904
<i>DPYSL3</i>	1.16562	3.639573	6.355182	0.000159	0.007926
<i>ANXA2</i>	1.263909	7.523015	6.350084	0.00016	0.00794
<i>NUCKS1</i>	1.150934	4.542497	6.335178	0.000163	0.008007
<i>ARRB1</i>	1.203724	4.894086	6.334576	0.000163	0.008007
<i>GADD45B</i>	1.03021	5.303222	6.33415	0.000163	0.008007
<i>MUC1</i>	1.382262	11.10672	6.329374	0.000164	0.008019
<i>UGT2B28</i>	1.271782	1.992074	6.325584	0.000164	0.008022
<i>PRSS16</i>	1.097051	4.83297	6.315477	0.000166	0.0081
<i>EAF2</i>	1.540479	3.02913	6.311738	0.000167	0.008103
<i>FASN</i>	1.242785	11.45353	6.30858	0.000168	0.008117
<i>GMCL1</i>	1.173374	4.306139	6.304403	0.000168	0.008137

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>GNE</i>	1.833965	5.110068	6.295945	0.00017	0.008166
<i>GREB1</i>	1.623446	4.958656	6.29282	0.000171	0.008166
<i>FAM36A</i>	1.011928	6.510685	6.292592	0.000171	0.008166
<i>LOC643287</i>	1.32867	4.925702	6.289919	0.000171	0.008166
<i>LOC651348</i>	1.774295	5.019179	6.27019	0.000175	0.008274
<i>TRUB1</i>	1.604647	2.491446	6.270131	0.000175	0.008274
<i>MTCH2</i>	1.215555	4.756038	6.255811	0.000178	0.00838
<i>TA-PP2C</i>	1.48343	4.005584	6.252105	0.000179	0.0084
<i>ARL6IP6</i>	1.905483	5.294567	6.24577	0.00018	0.008446
<i>LOC649095</i>	1.51686	2.191759	6.241896	0.000181	0.008464
<i>IQGAP3</i>	1.207876	7.688189	6.240654	0.000181	0.008464
<i>TUBA2</i>	1.676006	1.751212	6.230493	0.000183	0.00854
<i>LOC651559</i>	1.220356	8.467733	6.228736	0.000184	0.00854
<i>C9orf40</i>	1.017784	4.533375	6.225754	0.000184	0.008547
<i>STXBP3</i>	1.603506	4.759936	6.220203	0.000185	0.008554
<i>LOC134147</i>	1.045077	7.115126	6.21905	0.000186	0.008554
<i>LOC255783</i>	1.410054	7.189652	6.218726	0.000186	0.008554
<i>PSPH</i>	1.281846	5.538378	6.202569	0.000189	0.008699
<i>ARHGEF4</i>	1.648348	1.874453	6.197953	0.00019	0.008714
<i>KCNG3</i>	1.156396	1.615369	6.19418	0.000191	0.008734
<i>JARID2</i>	1.3704	4.845266	6.183695	0.000194	0.008792
<i>SFRS9</i>	1.166276	11.1863	6.18281	0.000194	0.008792
<i>IFRG15</i>	1.335065	2.478551	6.176591	0.000195	0.008835
<i>ELOVL5</i>	1.77467	7.401179	6.168705	0.000197	0.008885
<i>HP1BP3</i>	1.041681	3.541816	6.157938	0.000199	0.008943
<i>MRAS</i>	1.134309	3.315585	6.157376	0.0002	0.008943
<i>FLJ25422</i>	1.62967	3.274842	6.156973	0.0002	0.008943
<i>GP1BB</i>	1.458328	7.088188	6.14876	0.000202	0.00896

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>PPP1R3C</i>	2.23052	3.324875	6.147489	0.000202	0.00896
<i>LRRC50</i>	1.492014	3.338297	6.132753	0.000205	0.009085
<i>NEIL3</i>	1.077328	4.150759	6.106968	0.000212	0.009265
<i>IDH1</i>	1.139221	4.660148	6.093928	0.000215	0.009358
<i>CDCA5</i>	1.115727	8.829617	6.07935	0.000219	0.009487
<i>FAM46B</i>	1.04229	7.620825	6.076411	0.000219	0.009503
<i>MT1F</i>	1.102197	4.311452	6.065951	0.000222	0.009511
<i>NBPF14</i>	1.493266	3.583117	6.065944	0.000222	0.009511
<i>ITGA2B</i>	1.360653	4.668349	6.063379	0.000223	0.009518
<i>SLC2A3</i>	1.389967	1.98503	6.056174	0.000225	0.009564
<i>FKSG44</i>	1.227481	7.395626	6.054932	0.000225	0.009564
<i>F2R</i>	1.514523	1.879248	6.051593	0.000226	0.009585
<i>LOC402571</i>	1.298711	1.235396	6.047332	0.000227	0.009605
<i>LOC645074</i>	1.192255	1.840968	6.043378	0.000228	0.009629
<i>ACSL3</i>	1.797644	3.718645	6.039121	0.000229	0.009649
<i>ARL6IP2</i>	1.066614	4.02017	6.038007	0.00023	0.009649
<i>CLDN15</i>	1.158243	3.781956	6.022977	0.000234	0.009749
<i>CLDN12</i>	1.119021	5.528813	6.015858	0.000236	0.009799
<i>ABHD3</i>	1.488699	3.835767	5.995453	0.000241	0.009939
<i>PPP3CA</i>	1.02781	4.601573	5.967882	0.000249	0.010234
<i>DNAJC9</i>	1.103136	8.029402	5.96665	0.00025	0.010234
<i>THRAP6</i>	1.041179	5.439828	5.956436	0.000253	0.010323
<i>PTPLAD1</i>	1.787057	7.0021	5.945359	0.000256	0.010361
<i>SAT</i>	1.031458	8.47434	5.941002	0.000257	0.010373
<i>MGC16597</i>	1.186456	3.91217	5.93869	0.000258	0.010373
<i>ACOT2</i>	1.09048	5.9899	5.937667	0.000259	0.010373
<i>LOC643196</i>	1.274164	1.588488	5.934342	0.00026	0.010397
<i>NEK7</i>	1.395989	2.42236	5.930699	0.000261	0.010416
<i>PACSIN2</i>	1.274882	7.145247	5.927487	0.000262	0.010416

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>VCL</i>	1.012821	7.814517	5.916631	0.000265	0.010535
<i>ATP6V0E</i>	1.169982	7.954077	5.913326	0.000266	0.010544
<i>SLC15A2</i>	1.021205	2.390407	5.901221	0.00027	0.010641
<i>AQP3</i>	1.446752	2.516334	5.895127	0.000272	0.010641
<i>FNBP1L</i>	1.236351	6.359772	5.89378	0.000272	0.010641
<i>DEFB32</i>	1.015643	2.157719	5.88011	0.000277	0.010752
<i>ACTB</i>	1.210215	11.59845	5.880007	0.000277	0.010752
<i>LOC648695</i>	2.090024	4.716913	5.878048	0.000278	0.01076
<i>LOC648366</i>	2.746189	2.969791	5.87465	0.000279	0.010787
<i>ADFP</i>	1.068013	6.094526	5.870415	0.00028	0.010826
<i>HPCAL1</i>	1.133107	6.296203	5.864274	0.000282	0.010856
<i>EFCAB3</i>	1.412099	2.769274	5.861731	0.000283	0.010862
<i>LOC642576</i>	1.323264	2.30475	5.852452	0.000286	0.010913
<i>GNB1</i>	1.253058	9.854116	5.850963	0.000287	0.010913
<i>HIATL2</i>	1.447221	3.708985	5.839258	0.000291	0.010958
<i>TMEM20</i>	1.216545	4.177918	5.836726	0.000292	0.010958
<i>AMIGO3</i>	1.193738	1.546293	5.836282	0.000292	0.010958
<i>GBA</i>	1.005758	7.445593	5.822578	0.000297	0.011023
<i>C1orf155</i>	1.15358	5.164411	5.818387	0.000298	0.011023
<i>PIB5PA</i>	1.081379	5.002504	5.817871	0.000299	0.011023
<i>C5</i>	1.278681	4.9944	5.817847	0.000299	0.011023
<i>DENND2C</i>	1.265632	3.402937	5.812366	0.000301	0.01108
<i>C12orf58</i>	1.135118	3.748504	5.801934	0.000304	0.011204
<i>FAM104A</i>	1.055916	6.066361	5.786617	0.00031	0.011364
<i>LOC651316</i>	1.531671	2.328706	5.767287	0.000317	0.011537
<i>SLC36A2</i>	1.129126	1.642285	5.760677	0.00032	0.011575
<i>SAFB2</i>	1.204197	5.430585	5.760102	0.00032	0.011575
<i>MYBPH</i>	1.168661	2.600536	5.759602	0.00032	0.011575

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>STAT3</i>	1.319575	5.394948	5.75609	0.000322	0.011606
<i>DCUN1D3</i>	1.018243	4.731879	5.72518	0.000334	0.011965
<i>EFEMP1</i>	1.402141	6.541472	5.715093	0.000338	0.012092
<i>PNPO</i>	1.086415	8.740661	5.714247	0.000339	0.012092
<i>TCF19</i>	1.069661	3.975189	5.699065	0.000345	0.012248
<i>PRPS2</i>	1.024619	4.478778	5.694486	0.000347	0.0123
<i>EDN2</i>	1.069232	2.563329	5.678006	0.000354	0.012498
<i>MMACHC</i>	1.418383	4.7535	5.658686	0.000362	0.012697
<i>LCE2A</i>	1.258732	1.884195	5.6573	0.000363	0.012697
<i>SLC25A17</i>	1.023279	3.708062	5.639243	0.000371	0.01289
<i>REEP3</i>	1.16633	3.152114	5.634758	0.000373	0.012943
<i>ARL2BP</i>	1.048528	7.465737	5.632774	0.000374	0.012949
<i>FLJ22313</i>	1.307611	3.651586	5.631038	0.000375	0.012949
<i>CENPB</i>	1.145747	8.866305	5.611879	0.000384	0.013222
<i>STK24</i>	1.301354	7.345043	5.608331	0.000386	0.013262
<i>SLC6A6</i>	1.181875	2.895619	5.590904	0.000394	0.01346
<i>SLC35E3</i>	1.121126	7.253188	5.588692	0.000395	0.013465
<i>UBE2G1</i>	1.178822	5.102404	5.588337	0.000395	0.013465
<i>TERF1</i>	1.387521	4.571298	5.573487	0.000403	0.013657
<i>FLJ40629</i>	1.397722	5.843555	5.570383	0.000404	0.013657
<i>HIST1H2BF</i>	1.137592	2.306974	5.563838	0.000408	0.013716
<i>LOC153561</i>	1.517132	5.532294	5.558022	0.000411	0.013794
<i>KIAA0232</i>	1.03525	3.709449	5.553851	0.000413	0.013847
<i>IMAA</i>	1.2658	2.147097	5.549665	0.000415	0.013901
<i>POLS</i>	1.298301	5.609563	5.54723	0.000416	0.013924
<i>FKSG14</i>	1.198084	4.921758	5.54384	0.000418	0.013928
<i>CDC42EP3</i>	1.489102	2.635686	5.534429	0.000423	0.013998
<i>FANCD2</i>	1.074592	3.978084	5.524804	0.000428	0.014097
<i>TIRAP</i>	1.09834	3.752885	5.524541	0.000428	0.014097

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>HADHSC</i>	1.004398	8.739278	5.518666	0.000431	0.014145
<i>SFXN1</i>	1.009569	6.092337	5.513348	0.000434	0.014208
<i>HIST1H4C</i>	1.053698	12.58641	5.511111	0.000435	0.014222
<i>SLC35A3</i>	1.29894	6.149959	5.506711	0.000438	0.014265
<i>RAB1A</i>	1.110034	6.483577	5.498934	0.000442	0.014329
<i>UBE2A</i>	1.325039	1.279677	5.492785	0.000445	0.014403
<i>KNTC1</i>	1.136229	6.777858	5.485556	0.000449	0.014479
<i>NEK8</i>	1.099702	4.176122	5.48518	0.00045	0.014479
<i>SNTB2</i>	1.090004	3.920985	5.482586	0.000451	0.014494
<i>GRHL2</i>	1.941328	4.916444	5.478386	0.000453	0.014524
<i>CALM2</i>	1.057217	10.70919	5.477866	0.000454	0.014524
<i>KIAA0355</i>	1.168077	4.809843	5.475467	0.000455	0.014531
<i>HMMR</i>	1.304616	7.689492	5.464543	0.000461	0.014696
<i>LOC652274</i>	1.247381	1.559687	5.442775	0.000474	0.014938
<i>SEPP1</i>	1.526459	6.713076	5.436267	0.000478	0.014943
<i>GPR153</i>	1.361381	2.174889	5.412568	0.000493	0.015205
<i>LOC649536</i>	1.283308	2.137806	5.405941	0.000497	0.015276
<i>PCAF</i>	1.054073	4.985714	5.404992	0.000497	0.015276
<i>RHOQ</i>	1.128347	5.925996	5.394938	0.000504	0.015411
<i>ALS2CR15</i>	1.221812	2.549504	5.393185	0.000505	0.015411
<i>UTP14C</i>	1.09291	4.805833	5.38233	0.000512	0.015586
<i>ACYP1</i>	1.121475	5.971866	5.374073	0.000517	0.015683
<i>CBFA2T3</i>	1.08581	4.065055	5.369187	0.000521	0.015742
<i>LOC653650</i>	2.192189	3.01388	5.358676	0.000528	0.015884
<i>KLF15</i>	1.122526	2.704757	5.35469	0.00053	0.015884
<i>SV2B</i>	1.498616	1.861189	5.354036	0.000531	0.015884
<i>CPD</i>	1.081286	7.106242	5.352218	0.000532	0.015884
<i>CS</i>	1.097957	9.095588	5.351325	0.000532	0.015884

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>ARHGAP26</i>	1.424374	1.859157	5.337484	0.000542	0.016051
<i>TMEM41B</i>	1.032759	6.333732	5.333391	0.000545	0.016097
<i>FAIM</i>	1.118226	3.708457	5.318301	0.000555	0.016275
<i>LDLRAD3</i>	1.613647	4.816042	5.315202	0.000558	0.016319
<i>SH3BP2</i>	1.002634	1.962327	5.305197	0.000565	0.016435
<i>HFE</i>	1.222585	2.46966	5.299668	0.000569	0.01646
<i>LOC643367</i>	1.345484	5.501673	5.298671	0.000569	0.01646
<i>SPFH1</i>	1.111001	4.495068	5.29585	0.000572	0.016498
<i>ZFYVE21</i>	1.14925	8.637189	5.290164	0.000576	0.016542
<i>CAP2</i>	1.21932	8.617301	5.272129	0.000589	0.016756
<i>SRP9</i>	1.355139	4.708158	5.264917	0.000595	0.016835
<i>MFSD7</i>	1.019526	4.136653	5.263094	0.000596	0.016841
<i>TESC</i>	1.300359	2.851437	5.262017	0.000597	0.016841
<i>USP22</i>	1.017676	2.379282	5.254215	0.000603	0.016915
<i>LOC652726</i>	1.130784	3.434104	5.244291	0.000611	0.017055
<i>HSPA2</i>	1.536417	3.211007	5.239163	0.000615	0.017055
<i>EIF5</i>	1.872914	3.845135	5.235233	0.000618	0.017055
<i>EMP1</i>	1.273346	2.317733	5.234012	0.000619	0.017055
<i>SHRM</i>	1.323384	4.399434	5.230349	0.000622	0.017082
<i>ANKRD20A2</i>	1.539166	2.303376	5.229906	0.000622	0.017082
<i>LOC653712</i>	1.285761	2.19293	5.222433	0.000628	0.017169
<i>LASS6</i>	1.462826	7.329299	5.222001	0.000628	0.017169
<i>IMPDH1</i>	1.37237	6.546645	5.220881	0.000629	0.017175
<i>LOC196752</i>	1.010642	4.786563	5.219172	0.000631	0.017194
<i>PDPK1</i>	1.829784	3.784712	5.217664	0.000632	0.017209
<i>DJ122O8.2</i>	1.292084	5.629604	5.213743	0.000635	0.017259
<i>PDGFC</i>	1.237499	3.737018	5.195048	0.000651	0.017459
<i>ECT2</i>	1.557681	5.315436	5.194143	0.000652	0.017459
<i>EIF1AX</i>	1.373207	6.24246	5.192572	0.000653	0.017459

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>PLEKHB2</i>	1.248376	3.5618	5.192312	0.000653	0.017459
<i>RBBP5</i>	1.444468	4.986945	5.187958	0.000657	0.017502
<i>ACOX1</i>	1.40291	4.890404	5.183747	0.00066	0.017538
<i>TNFAIP8L3</i>	1.191997	3.034	5.183223	0.000661	0.017538
<i>LOC644330</i>	1.174754	5.04871	5.183093	0.000661	0.017538
<i>ANKRD38</i>	1.135543	1.345469	5.177359	0.000666	0.017594
<i>FJX1</i>	1.431509	8.798068	5.168041	0.000674	0.017696
<i>SCML1</i>	1.112412	4.14003	5.163931	0.000678	0.017734
<i>IGF2R</i>	1.215772	7.722157	5.161276	0.00068	0.017759
<i>LOC389816</i>	1.243561	7.418257	5.152933	0.000687	0.017896
<i>LOC653357</i>	1.369493	2.113683	5.149016	0.000691	0.01795
<i>SPTBN1</i>	1.673032	3.325926	5.144916	0.000695	0.018
<i>ERBB2IP</i>	1.102204	3.069955	5.141594	0.000698	0.018049
<i>SCGB1D2</i>	1.119206	2.47118	5.138336	0.0007	0.018089
<i>MT1X</i>	1.508933	5.397395	5.133123	0.000705	0.018193
<i>GPR89A</i>	1.607565	5.08858	5.123812	0.000714	0.018359
<i>GULP1</i>	1.486383	2.414639	5.119285	0.000718	0.018443
<i>GSTM3</i>	1.108369	5.760798	5.109603	0.000727	0.018569
<i>C17orf55</i>	1.064055	3.145723	5.108644	0.000728	0.018573
<i>PROK2</i>	1.638842	2.202391	5.099761	0.000737	0.018676
<i>E2F7</i>	1.308926	4.795906	5.096509	0.00074	0.018717
<i>SOD2</i>	1.129993	5.063614	5.094194	0.000742	0.018755
<i>KIAA1671</i>	1.270225	5.704461	5.092638	0.000744	0.018774
<i>LOC641825</i>	1.154407	1.434282	5.087717	0.000748	0.018858
<i>ADHFE1</i>	1.007797	5.002508	5.086156	0.00075	0.018859
<i>HNRPH1</i>	2.401707	8.446034	5.078982	0.000757	0.018941
<i>RRP22</i>	1.374199	2.781726	5.065531	0.00077	0.019117
<i>H3F3A</i>	1.080043	12.31177	5.064204	0.000772	0.01912

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>LOC652640</i>	1.390036	1.82572	5.059455	0.000777	0.019192
<i>TRA2A</i>	1.453461	5.366969	5.031499	0.000806	0.019592
<i>GUSBL1</i>	1.354391	5.679168	5.0082	0.000831	0.020009
<i>LOC654174</i>	2.211955	3.034428	5.002187	0.000838	0.020111
<i>PHACTR4</i>	1.439126	7.006731	4.992867	0.000848	0.020263
<i>SSBP2</i>	1.176157	7.269814	4.990926	0.00085	0.020296
<i>KIAA0251</i>	1.096123	2.599776	4.985105	0.000857	0.020418
<i>IRX2</i>	1.058923	6.032372	4.982194	0.00086	0.020473
<i>RCP9</i>	1.256487	3.154349	4.975628	0.000867	0.020613
<i>PLEKHF2</i>	1.476921	5.80591	4.966069	0.000879	0.020718
<i>NFIA</i>	1.416587	5.636498	4.964644	0.00088	0.020738
<i>HNRPD</i>	1.061927	9.223028	4.957992	0.000888	0.020804
<i>PNLIP</i>	1.030481	2.002775	4.947284	0.000901	0.021003
<i>FLJ23191</i>	1.069968	2.137347	4.946608	0.000902	0.021003
<i>GALNT6</i>	1.069418	4.064449	4.936866	0.000913	0.021229
<i>ALDH9A1</i>	1.153216	10.24132	4.932687	0.000918	0.021297
<i>NBEA</i>	1.633434	3.311246	4.922439	0.000931	0.02151
<i>DEPDC1B</i>	1.112105	3.620434	4.913505	0.000942	0.021708
<i>INCENP</i>	1.502704	2.332732	4.910142	0.000946	0.021785
<i>VPS35</i>	1.065895	7.657678	4.904407	0.000954	0.021933
<i>TDRD10</i>	1.013649	1.594221	4.895092	0.000966	0.022025
<i>KIAA0889</i>	1.112448	4.030815	4.866992	0.001003	0.022559
<i>EMP2</i>	1.00169	2.657222	4.864684	0.001006	0.022559
<i>LOC650141</i>	1.644716	2.568429	4.863388	0.001008	0.022569
<i>HSPCAL3</i>	1.028508	1.671201	4.855839	0.001018	0.022738
<i>MTSS1</i>	1.260661	2.95104	4.853733	0.001021	0.022782
<i>LOC653767</i>	1.073848	2.316005	4.846748	0.00103	0.022915
<i>C18orf45</i>	1.198145	4.601472	4.837401	0.001043	0.023122
<i>IMPAD1</i>	1.216988	5.050702	4.836003	0.001045	0.023145

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>LOC652773</i>	1.348925	4.613226	4.829896	0.001054	0.023295
<i>LOC642984</i>	1.144487	1.450486	4.823163	0.001064	0.02341
<i>RAB2B</i>	1.345459	5.73151	4.818027	0.001071	0.023464
<i>LOC644614</i>	1.670015	2.535946	4.811079	0.001081	0.023581
<i>M6PR</i>	1.116327	4.694995	4.810076	0.001083	0.023589
<i>LOC440934</i>	1.074229	1.890802	4.796861	0.001102	0.023922
<i>LOC644422</i>	2.713947	5.884776	4.792155	0.001109	0.023952
<i>CYR61</i>	1.02473	6.167702	4.787385	0.001116	0.023979
<i>NCOA2</i>	1.266854	2.400419	4.787169	0.001117	0.023979
<i>CANX</i>	1.121103	4.666443	4.777151	0.001132	0.024258
<i>ZNF217</i>	1.998319	6.169332	4.760572	0.001158	0.024549
<i>MGC40579</i>	1.046184	4.805746	4.759572	0.001159	0.024549
<i>NEDD4L</i>	1.020443	4.140804	4.75638	0.001164	0.024549
<i>WTAP</i>	1.055511	3.719422	4.73506	0.001198	0.025047
<i>TBC1D8</i>	1.058948	2.91762	4.722899	0.001218	0.025269
<i>KIAA1794</i>	1.066432	5.660323	4.722488	0.001219	0.025269
<i>ZMYND11</i>	1.006496	6.114682	4.720245	0.001223	0.025325
<i>LOC645719</i>	1.428138	4.969195	4.712112	0.001236	0.025411
<i>TBL1X</i>	1.248896	5.818606	4.711112	0.001238	0.025411
<i>LOC650520</i>	1.051427	0.777999	4.70846	0.001243	0.025482
<i>LOC644063</i>	2.01839	6.518499	4.703171	0.001252	0.02562
<i>LOC400987</i>	1.675398	2.553358	4.692617	0.00127	0.025891
<i>CDCA1</i>	1.006295	3.678125	4.684221	0.001284	0.026102
<i>RIOK3</i>	1.299547	4.766527	4.683598	0.001286	0.026102
<i>LMO7</i>	1.241511	2.232058	4.679542	0.001293	0.026102
<i>MDM4</i>	1.708055	2.805509	4.678062	0.001295	0.026113
<i>KIF14</i>	1.028852	5.204946	4.651576	0.001343	0.026439
<i>XBP1</i>	1.057019	9.818643	4.650081	0.001346	0.026473

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>LOC652612</i>	1.490164	2.055006	4.640909	0.001363	0.026662
<i>MYO5C</i>	1.3333	8.034519	4.633247	0.001378	0.02686
<i>SCD</i>	1.233838	10.93776	4.630982	0.001382	0.026902
<i>U2AF2</i>	1.221371	7.021749	4.629802	0.001384	0.026909
<i>CCNI</i>	1.311594	9.695689	4.62966	0.001384	0.026909
<i>TMEM16F</i>	1.581593	5.926331	4.628298	0.001387	0.026938
<i>YWHAB</i>	1.404206	9.353787	4.618843	0.001405	0.027207
<i>SLC39A8</i>	1.109503	5.384905	4.600147	0.001442	0.027618
<i>PFN2</i>	1.168277	6.405211	4.593888	0.001454	0.027794
<i>RARG</i>	1.103597	2.29423	4.590137	0.001462	0.027853
<i>CCNE2</i>	1.345639	5.128727	4.585487	0.001471	0.027952
<i>C14orf138</i>	1.00052	4.00772	4.583071	0.001476	0.027995
<i>RCC2</i>	1.108806	8.493499	4.577191	0.001488	0.028108
<i>CD82</i>	1.223422	5.685179	4.571415	0.0015	0.028251
<i>NUDT19</i>	1.425881	1.695376	4.566033	0.001511	0.028254
<i>LOC619190</i>	1.73464	2.080944	4.565752	0.001512	0.028254
<i>PIGA</i>	1.133516	4.754287	4.556002	0.001533	0.028421
<i>IL6ST</i>	1.500911	2.476616	4.552075	0.001541	0.028454
<i>PRICKLE1</i>	1.483173	2.354787	4.546795	0.001552	0.028596
<i>FLJ38101</i>	1.318319	4.577999	4.544225	0.001558	0.028656
<i>PLEKHF1</i>	1.539235	5.812493	4.542191	0.001562	0.028716
<i>PICALM</i>	1.334671	3.464813	4.510914	0.001632	0.02958
<i>C9orf88</i>	1.342711	9.073888	4.509896	0.001634	0.0296
<i>COL7A1</i>	1.029536	4.119859	4.508514	0.001637	0.029636
<i>SLC39A9</i>	1.031033	4.053772	4.505402	0.001644	0.029743
<i>LOC643909</i>	1.145479	2.355706	4.50431	0.001647	0.029745
<i>GALNACT-2</i>	1.018154	3.331173	4.492491	0.001674	0.030045
<i>WHDC1</i>	1.218434	2.608075	4.474486	0.001717	0.030402
<i>LOC652840</i>	1.361861	1.91325	4.47148	0.001724	0.030459

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>LOC441425</i>	1.310159	2.269266	4.465563	0.001739	0.030583
<i>FLJ36874</i>	1.129293	7.255431	4.449354	0.001778	0.030873
<i>ATXN3</i>	1.180748	1.945348	4.440189	0.001801	0.031099
<i>GFPT1</i>	1.088739	5.11071	4.439407	0.001803	0.031101
<i>LOC653281</i>	1.191587	1.985819	4.428967	0.00183	0.031398
<i>LOC648434</i>	1.068733	2.661354	4.424339	0.001842	0.031571
<i>LOC643300</i>	1.245331	3.583964	4.422413	0.001847	0.031624
<i>CAMKK1</i>	1.085995	2.025249	4.408809	0.001883	0.032082
<i>ABCB10</i>	1.057992	5.546383	4.407482	0.001886	0.032098
<i>RSPRY1</i>	1.203571	6.345636	4.40543	0.001892	0.032147
<i>LOC653133</i>	1.622311	3.256214	4.403934	0.001896	0.032193
<i>ERO1LB</i>	1.355282	2.513529	4.39708	0.001914	0.032346
<i>SEC23A</i>	1.25779	3.173171	4.388281	0.001938	0.032645
<i>CAPN7</i>	1.132275	4.319449	4.382738	0.001953	0.032813
<i>GPC4</i>	1.096636	3.126804	4.378888	0.001964	0.032904
<i>LOC642817</i>	1.692256	9.212915	4.375248	0.001974	0.032985
<i>LOC643668</i>	1.286591	9.17732	4.367474	0.001996	0.033217
<i>EGF</i>	1.201536	2.903976	4.364633	0.002004	0.033284
<i>SNRPD3</i>	1.054377	4.586484	4.357915	0.002023	0.033446
<i>NOMO3</i>	2.15297	2.541066	4.356735	0.002026	0.03348
<i>LOC650766</i>	1.373201	2.04581	4.350309	0.002045	0.033737
<i>AFF4</i>	2.051902	4.706384	4.345676	0.002058	0.033863
<i>FOXO1A</i>	1.335468	3.100747	4.328537	0.002109	0.034481
<i>SLC39A6</i>	1.208672	4.583344	4.321963	0.002129	0.034646
<i>TIA1</i>	1.127644	4.298883	4.314757	0.002151	0.03489
<i>LOC653080</i>	1.455518	4.292326	4.307309	0.002174	0.035114
<i>HMGB2</i>	1.192318	6.612317	4.301836	0.002191	0.035286
<i>TMTC3</i>	1.578307	2.755937	4.297102	0.002206	0.03541

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>CDK2</i>	1.437619	6.216565	4.294502	0.002214	0.035473
<i>INSIG1</i>	1.270387	5.519868	4.291274	0.002224	0.035523
<i>LOC115648</i>	1.168377	2.309108	4.287393	0.002236	0.035651
<i>TKTL1</i>	1.025607	1.171986	4.275957	0.002273	0.036008
<i>ANKRD20A3</i>	1.014003	3.369208	4.270418	0.002291	0.036157
<i>TNRC6C</i>	1.238834	2.298101	4.269636	0.002294	0.036174
<i>TMEM107</i>	1.327057	2.69503	4.264228	0.002312	0.036357
<i>ZNF69</i>	1.145385	4.844808	4.257632	0.002333	0.036601
<i>RING1</i>	1.16105	8.553493	4.257469	0.002334	0.036601
<i>SLC4A7</i>	1.745807	2.950774	4.213119	0.002487	0.038036
<i>HIST1H3B</i>	1.242116	1.486399	4.208062	0.002505	0.038257
<i>LOC649722</i>	1.018621	1.863036	4.202632	0.002525	0.038463
<i>MT2A</i>	1.630596	8.453193	4.199571	0.002536	0.038586
<i>FXR1</i>	1.469061	6.602724	4.18555	0.002588	0.039063
<i>CUEDC1</i>	1.091154	8.27413	4.176078	0.002623	0.039481
<i>TM2D1</i>	1.050227	5.087264	4.174214	0.002631	0.039529
<i>CKAP2</i>	1.070061	5.328482	4.163457	0.002672	0.039895
<i>VPS53</i>	1.131881	1.844767	4.153344	0.002711	0.040265
<i>LOC647603</i>	1.168439	1.538158	4.152854	0.002713	0.04027
<i>LOC51315</i>	1.243849	4.11349	4.142058	0.002756	0.04059
<i>GTF2I</i>	1.116927	2.793734	4.140626	0.002761	0.040627
<i>GNB4</i>	1.071365	4.063381	4.129912	0.002805	0.04094
<i>QSCN6</i>	1.297643	2.291921	4.114238	0.002869	0.041301
<i>C14orf169</i>	1.353143	5.175959	4.113374	0.002873	0.041301
<i>LOC641807</i>	1.238253	2.290547	4.112952	0.002874	0.041301
<i>FEN1</i>	1.11797	6.715347	4.108401	0.002893	0.041471
<i>LOC644037</i>	1.539678	10.0894	4.093371	0.002957	0.041805
<i>SPCS3</i>	1.148737	3.051072	4.084313	0.002997	0.042039
<i>LOC440944</i>	1.239544	2.008981	4.080905	0.003011	0.042161

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>LOC650257</i>	1.194049	2.326975	4.079538	0.003017	0.042188
<i>FBXO28</i>	1.138105	5.463717	4.059345	0.003108	0.042849
<i>C10orf46</i>	1.017416	2.850713	4.051572	0.003143	0.043094
<i>RAB11A</i>	1.041005	9.835212	4.042298	0.003186	0.043452
<i>YAP1</i>	1.220848	7.819845	4.034342	0.003223	0.043625
<i>UGP2</i>	1.042518	4.212002	4.032246	0.003233	0.043661
<i>LOC647743</i>	1.233664	5.198209	4.029305	0.003247	0.043825
<i>SUZ12</i>	1.150145	8.89266	4.015017	0.003316	0.044367
<i>C2orf13</i>	1.062803	1.636961	4.013584	0.003323	0.044367
<i>APAF1</i>	1.456978	5.319884	4.012025	0.00333	0.044435
<i>HMG1L1</i>	1.028352	4.964825	4.011795	0.003331	0.044435
<i>ACTR2</i>	1.491019	7.994787	4.01145	0.003333	0.044435
<i>DCUN1D1</i>	1.57556	4.305046	4.003753	0.003371	0.044632
<i>LOC644823</i>	1.674451	2.384896	4.003293	0.003373	0.044636
<i>DKFZP434A0131</i>	1.753669	5.953905	3.996596	0.003406	0.044887
<i>INHBB</i>	1.070834	6.628282	3.988183	0.003449	0.04523
<i>LOC651518</i>	1.158184	1.509426	3.974292	0.00352	0.045734
<i>LOC644799</i>	1.283259	6.927729	3.971388	0.003535	0.045808
<i>SAPS2</i>	1.138366	3.856581	3.963313	0.003577	0.045997
<i>ADARB1</i>	1.100211	3.315821	3.960457	0.003592	0.046097
<i>TCEA1</i>	1.627452	2.943476	3.959477	0.003598	0.046123
<i>SP6</i>	1.01281	2.575062	3.952474	0.003635	0.046357
<i>KCNN4</i>	1.015963	1.235124	3.949621	0.00365	0.04648
<i>LRIG3</i>	1.142701	6.422736	3.945953	0.00367	0.046544
<i>CYP4A11</i>	1.031333	2.265245	3.94533	0.003673	0.046545
<i>GPHN</i>	1.186812	3.747644	3.936142	0.003723	0.046937
<i>LOC641913</i>	1.108762	2.364668	3.924722	0.003787	0.047402
<i>TMED2</i>	1.199433	8.995805	3.922991	0.003797	0.047437

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>HOOK1</i>	1.053355	5.295477	3.918493	0.003822	0.047507
<i>APBB2</i>	1.012226	3.036122	3.913198	0.003852	0.047737
<i>HNRPA3</i>	1.436006	6.3208	3.910715	0.003866	0.047795
<i>KLF6</i>	1.114607	6.79944	3.899032	0.003934	0.048413
<i>NEK9</i>	1.058075	1.682885	3.880689	0.004042	0.049345

Table S4. The 644 DEGs in the MPA group.

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>MAFB</i>	5.490728	6.252615	37.16153	1.02E-10	1.28E-06
<i>LOC128977</i>	4.927725	1.22194	34.01542	2.16E-10	1.80E-06
<i>S100P</i>	6.5264	7.275375	30.59446	5.30E-10	3.09E-06
<i>LOC388610</i>	4.390265	5.410631	28.61797	9.30E-10	3.88E-06
<i>NDRG1</i>	4.559706	5.724406	27.41499	1.34E-09	4.77E-06
<i>SLC25A18</i>	3.763501	5.463562	26.29795	1.90E-09	5.92E-06
<i>PHACTR3</i>	3.700196	3.33733	22.59328	6.79E-09	1.70E-05
<i>FKBP5</i>	4.530078	7.8826	22.03026	8.39E-09	1.78E-05
<i>RBP2</i>	3.559631	4.458299	21.80315	9.15E-09	1.78E-05
<i>ZBTB16</i>	3.687409	3.636325	21.77659	9.24E-09	1.78E-05
<i>SGK</i>	4.416435	4.831272	20.28826	1.67E-08	2.98E-05
<i>ATP1A1</i>	3.607756	8.042719	19.95829	1.92E-08	3.19E-05
<i>TIPARP</i>	3.453032	6.675865	19.78822	2.06E-08	3.21E-05
<i>PNMT</i>	3.54084	3.872478	19.35138	2.48E-08	3.64E-05
<i>FBXO32</i>	2.671739	7.031538	19.03826	2.84E-08	3.93E-05
<i>SCRG1</i>	3.486085	3.53526	18.86977	3.06E-08	3.93E-05
<i>SLC26A3</i>	2.877197	2.882223	18.80869	3.14E-08	3.93E-05
<i>STMN3</i>	2.707067	6.125723	18.47659	3.64E-08	4.34E-05
<i>LOC93622</i>	2.915334	7.867644	18.2411	4.05E-08	4.61E-05

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>SLPI</i>	3.13309	4.440089	17.72777	5.14E-08	5.13E-05
<i>NFKBIA</i>	3.169766	9.439643	17.65299	5.32E-08	5.13E-05
<i>FLJ41603</i>	2.870247	5.708278	17.64811	5.34E-08	5.13E-05
<i>GPSM2</i>	2.945512	6.708824	16.94554	7.47E-08	6.46E-05
<i>CLDN8</i>	3.839648	5.607741	16.91412	7.59E-08	6.46E-05
<i>TSC22D1</i>	2.370314	6.762118	16.86949	7.76E-08	6.46E-05
<i>ATAD4</i>	2.80987	7.364334	16.0587	1.17E-07	9.20E-05
<i>ADAMTS8</i>	3.156658	4.451174	16.03875	1.18E-07	9.20E-05
<i>KCNG1</i>	2.674714	4.331473	15.87619	1.28E-07	9.71E-05
<i>HSD11B2</i>	2.495074	4.22313	15.79507	1.34E-07	9.83E-05
<i>ACSL1</i>	2.944628	5.793737	15.73398	1.38E-07	9.86E-05
<i>TM4SF11</i>	2.260782	4.450549	15.57892	1.50E-07	0.000104
<i>DDIT4</i>	2.179669	6.849104	14.95406	2.10E-07	0.000142
<i>DSCR6</i>	2.442383	6.770762	14.63838	2.50E-07	0.000161
<i>PXMP4</i>	2.642666	7.208763	14.60478	2.55E-07	0.000161
<i>STEAP1</i>	2.105053	4.036012	14.58837	2.57E-07	0.000161
<i>ALPL</i>	3.133786	3.243757	14.25876	3.10E-07	0.000189
<i>MLLT7</i>	2.191112	4.322229	14.18375	3.24E-07	0.000192
<i>SERPINA3</i>	2.457169	4.685509	14.1525	3.30E-07	0.000192
<i>RDH16</i>	2.086968	4.294635	13.81817	4.01E-07	0.00022
<i>CEBPD</i>	2.39622	6.860591	13.80151	4.05E-07	0.00022
<i>TSC22D3</i>	2.145122	3.654023	13.69868	4.31E-07	0.000224
<i>CYP27A1</i>	1.979407	3.841694	13.58647	4.61E-07	0.000235
<i>CA4</i>	1.951775	2.626936	13.52772	4.77E-07	0.000235
<i>SERPINA5</i>	2.541382	2.465441	13.51712	4.80E-07	0.000235
<i>SGPP2</i>	1.96069	2.053137	13.41948	5.10E-07	0.000245
<i>THRSP</i>	2.262724	2.304015	13.12026	6.13E-07	0.000289
<i>P4HA2</i>	2.223479	7.290921	13.06133	6.35E-07	0.000294

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>FLJ20366</i>	2.295264	4.608057	13.02125	6.52E-07	0.000296
<i>PACSLN1</i>	2.181349	6.955549	12.96715	6.74E-07	0.000301
<i>STAT5A</i>	2.36882	4.336803	12.92436	6.92E-07	0.000304
<i>CRIM1</i>	2.69013	4.784505	12.76087	7.68E-07	0.000327
<i>SEC14L2</i>	2.062928	4.019464	12.75183	7.72E-07	0.000327
<i>CG018</i>	1.847115	2.006399	12.52792	8.92E-07	0.00036
<i>KLF9</i>	1.789568	4.379575	12.51199	9.01E-07	0.00036
<i>RASGEF1A</i>	1.723861	5.278111	12.48485	9.17E-07	0.00036
<i>FAM105A</i>	1.75982	3.88212	12.48194	9.19E-07	0.00036
<i>MYO10</i>	1.956256	6.745786	12.47762	9.21E-07	0.00036
<i>IL20RA</i>	1.801282	4.409873	12.42137	9.56E-07	0.000366
<i>ATP1B1</i>	4.461091	7.91195	12.38871	9.76E-07	0.000366
<i>HIG2</i>	1.863857	7.622834	12.38011	9.82E-07	0.000366
<i>C6orf85</i>	3.074585	7.57253	12.33383	1.01E-06	0.00037
<i>FLJ14503</i>	1.82626	2.281358	12.30557	1.03E-06	0.00037
<i>PDK4</i>	1.963505	2.488197	12.25463	1.07E-06	0.00037
<i>BNIP3</i>	2.097047	8.241057	12.11137	1.17E-06	0.000402
<i>AKR1D1</i>	2.100092	1.650094	12.05763	1.22E-06	0.000407
<i>STOM</i>	2.787742	8.491456	11.9685	1.29E-06	0.000419
<i>SLC37A2</i>	2.000089	1.879379	11.91194	1.34E-06	0.00043
<i>CORO2B</i>	1.800284	1.877505	11.82079	1.43E-06	0.00045
<i>CLIC6</i>	2.017877	7.534631	11.8087	1.44E-06	0.00045
<i>NEBL</i>	1.67142	4.915738	11.74272	1.51E-06	0.000465
<i>AK3L2</i>	3.2742	4.68958	11.5105	1.77E-06	0.00052
<i>CD9</i>	1.957475	9.017817	11.4009	1.91E-06	0.000555
<i>CD59</i>	2.359137	4.540559	11.38296	1.93E-06	0.000556
<i>ADD3</i>	2.022682	4.342901	11.22375	2.17E-06	0.000608
<i>NELL2</i>	1.785069	2.230771	11.20388	2.20E-06	0.00061
<i>C7orf24</i>	2.83951	7.694354	11.14532	2.29E-06	0.000622

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>RPS6KA5</i>	2.346569	3.952678	11.12772	2.32E-06	0.000623
<i>K6IRS3</i>	2.722597	3.077112	11.04311	2.47E-06	0.000656
<i>ZBED2</i>	1.730361	2.295179	10.78236	2.98E-06	0.000777
<i>MRFAP1</i>	1.726017	10.706	10.68548	3.21E-06	0.000818
<i>TXNIP</i>	1.580753	7.698997	10.65784	3.27E-06	0.000827
<i>LOC51136</i>	2.368675	4.98381	10.63218	3.34E-06	0.000834
<i>PIM2</i>	1.597915	5.059271	10.57577	3.48E-06	0.000853
<i>VDR</i>	1.519313	3.414228	10.54565	3.56E-06	0.000859
<i>CDKN1B</i>	2.082787	4.791543	10.44634	3.84E-06	0.000906
<i>MPHOSPH10</i>	2.212112	7.104616	10.30947	4.27E-06	0.000996
<i>OCA2</i>	1.867575	1.509298	10.2479	4.47E-06	0.001035
<i>SASH1</i>	2.043579	5.321343	10.20717	4.62E-06	0.001059
<i>C10orf78</i>	1.514958	4.20629	10.15712	4.80E-06	0.001072
<i>LOC402571</i>	1.788162	1.480121	10.15385	4.81E-06	0.001072
<i>FLJ10847</i>	1.706609	4.777209	10.14808	4.83E-06	0.001072
<i>TKTL1</i>	1.746747	1.532555	10.14453	4.85E-06	0.001072
<i>DTX2</i>	1.500563	5.387984	10.10357	5.01E-06	0.001088
<i>C6orf81</i>	3.053381	3.195816	10.00826	5.39E-06	0.001159
<i>ACADM</i>	2.163126	5.088138	10.00085	5.43E-06	0.001159
<i>DPYSL2</i>	2.289778	7.636567	9.981272	5.51E-06	0.001168
<i>SCNN1A</i>	1.796135	7.038514	9.967886	5.57E-06	0.00117
<i>STEAP2</i>	1.64914	4.414088	9.894504	5.90E-06	0.00123
<i>CHPT1</i>	1.50594	8.072664	9.845633	6.14E-06	0.001267
<i>AK3L1</i>	1.663029	4.08908	9.826847	6.23E-06	0.001267
<i>TPARL</i>	1.418246	4.441989	9.826153	6.24E-06	0.001267
<i>PIK3R1</i>	1.77048	4.147646	9.805519	6.34E-06	0.001271
<i>P8</i>	2.073582	10.40554	9.80225	6.36E-06	0.001271
<i>Ells1</i>	1.662464	5.610505	9.760964	6.57E-06	0.001292

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>LAMC3</i>	1.763048	1.955347	9.760605	6.57E-06	0.001292
<i>TMEM38B</i>	1.724547	6.17377	9.689072	6.97E-06	0.00135
<i>C1QDC1</i>	1.762693	5.34842	9.642282	7.24E-06	0.001392
<i>CA12</i>	1.623897	9.506517	9.544074	7.84E-06	0.001497
<i>TBC1D2</i>	1.381765	4.953632	9.528922	7.94E-06	0.001504
<i>TMEM63C</i>	1.799821	2.307725	9.494385	8.17E-06	0.001515
<i>EPB41L3</i>	1.455999	5.362373	9.492897	8.18E-06	0.001515
<i>ATP6V0E</i>	1.458568	8.09837	9.473763	8.31E-06	0.001528
<i>PRR11</i>	1.927298	4.519479	9.409541	8.77E-06	0.0016
<i>KIAA1904</i>	1.561581	1.847721	9.363722	9.11E-06	0.00165
<i>ZFP36</i>	1.402828	6.923361	9.332927	9.35E-06	0.001669
<i>WWC1</i>	1.607798	8.222298	9.332531	9.35E-06	0.001669
<i>CMTM7</i>	1.576546	7.787263	9.305357	9.56E-06	0.001673
<i>PARN</i>	1.361094	6.434886	9.30471	9.57E-06	0.001673
<i>ZA20D3</i>	1.638582	5.592099	9.296434	9.64E-06	0.001673
<i>LAMA3</i>	1.73888	3.992841	9.278075	9.79E-06	0.001685
<i>MTMR9</i>	2.176248	5.180461	9.271379	9.84E-06	0.001685
<i>MCEE</i>	1.379123	7.610284	9.24759	1.00E-05	0.001708
<i>TMEM87A</i>	1.612813	8.481558	9.129759	1.11E-05	0.001863
<i>GJE1</i>	1.399273	1.773791	9.127373	1.11E-05	0.001863
<i>ENPP1</i>	1.886087	4.396255	9.116556	1.12E-05	0.001863
<i>CACYBP</i>	1.377135	6.968541	9.11083	1.13E-05	0.001863
<i>APM-1</i>	2.089249	2.219014	9.097399	1.14E-05	0.001863
<i>ZIC2</i>	1.758413	4.893445	9.0929	1.15E-05	0.001863
<i>VIPR1</i>	1.556527	5.770895	9.071359	1.17E-05	0.001881
<i>LOC284998</i>	1.361399	1.889829	9.063934	1.17E-05	0.001881
<i>PTPNS1</i>	1.301554	4.891673	9.027566	1.21E-05	0.001917
<i>TACC2</i>	1.460942	5.521005	8.998921	1.24E-05	0.001952
<i>PEA15</i>	1.476634	8.332356	8.981227	1.26E-05	0.00197

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>FXVD3</i>	1.565722	4.190296	8.941277	1.31E-05	0.002027
<i>DEGS1</i>	1.380817	7.171196	8.914403	1.34E-05	0.002049
<i>DBI</i>	1.348876	11.76728	8.865392	1.39E-05	0.002106
<i>TMEM56</i>	1.403975	3.749748	8.863684	1.40E-05	0.002106
<i>LOC653994</i>	3.125666	6.214391	8.862263	1.40E-05	0.002106
<i>CHMP4B</i>	1.354345	6.989356	8.854508	1.41E-05	0.002108
<i>HSD17B2</i>	1.674438	2.347563	8.809591	1.46E-05	0.002155
<i>BCL7C</i>	1.555803	6.820719	8.808992	1.47E-05	0.002155
<i>CENPA</i>	1.364502	6.46569	8.7966	1.48E-05	0.002161
<i>C17orf79</i>	1.483221	8.94163	8.703938	1.61E-05	0.00231
<i>LOC652838</i>	1.562385	3.889038	8.662041	1.67E-05	0.002375
<i>LOC112714</i>	2.200288	2.750652	8.659927	1.67E-05	0.002375
<i>PIK3R2</i>	1.378641	7.995042	8.639506	1.70E-05	0.002405
<i>ATAD2</i>	2.365783	7.600269	8.618545	1.74E-05	0.002437
<i>LRRC50</i>	1.998467	3.591523	8.561789	1.83E-05	0.00255
<i>CCNDBP1</i>	1.269185	5.382571	8.539124	1.86E-05	0.002587
<i>CCDC34</i>	1.816732	6.603143	8.533492	1.87E-05	0.002587
<i>LSM12</i>	1.65717	4.468929	8.46899	1.99E-05	0.002727
<i>GPR124</i>	1.811137	2.686037	8.437418	2.04E-05	0.00279
<i>LCMT1</i>	1.707087	9.076933	8.42194	2.07E-05	0.0028
<i>AFMID</i>	1.819567	4.873346	8.406914	2.10E-05	0.002821
<i>LYPLA1</i>	2.164587	6.119327	8.402324	2.11E-05	0.002821
<i>LOC653573</i>	2.420749	4.532301	8.380924	2.15E-05	0.002861
<i>TAF5L</i>	1.278887	4.87725	8.371951	2.17E-05	0.002869
<i>PLEKHA6</i>	1.438874	5.244566	8.354362	2.20E-05	0.002886
<i>AHNAK</i>	2.537399	10.62489	8.345012	2.22E-05	0.002886
<i>ZNF541</i>	1.773922	3.028752	8.330581	2.25E-05	0.002889
<i>PGAM1</i>	1.372906	7.443974	8.324946	2.27E-05	0.002889

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>AZGP1</i>	2.305327	5.628465	8.275193	2.37E-05	0.002991
<i>NEK8</i>	1.316735	4.284639	8.271032	2.38E-05	0.002991
<i>ARL4</i>	1.165802	3.962396	8.26388	2.40E-05	0.002996
<i>BCL6</i>	1.779363	6.399555	8.249116	2.43E-05	0.003002
<i>GOT1</i>	1.335848	9.481627	8.245607	2.44E-05	0.003002
<i>PPP1R13B</i>	1.245346	6.538063	8.228146	2.48E-05	0.003013
<i>LOC440093</i>	1.179093	8.210278	8.217893	2.50E-05	0.003013
<i>ATP1A4</i>	1.170734	1.665272	8.216388	2.50E-05	0.003013
<i>Pfs2</i>	1.133933	10.28445	8.212073	2.51E-05	0.003013
<i>DJ122O8.2</i>	1.615597	5.791361	8.210305	2.52E-05	0.003013
<i>PTCHD2</i>	1.524715	2.320475	8.165312	2.63E-05	0.003127
<i>BIRC3</i>	1.458939	2.688356	8.158271	2.64E-05	0.003133
<i>ST3GAL4</i>	1.479947	6.755267	8.143084	2.68E-05	0.003163
<i>PGRMC2</i>	1.479867	8.898475	8.100146	2.79E-05	0.003277
<i>HOMER2</i>	1.534795	5.969928	8.092732	2.81E-05	0.003278
<i>F3</i>	2.106674	2.958911	8.089917	2.82E-05	0.003278
<i>ERRFI1</i>	1.888886	6.645406	8.07143	2.87E-05	0.00332
<i>MFSD7</i>	1.195167	4.224474	8.041786	2.95E-05	0.003392
<i>FADS1</i>	1.164741	6.258118	8.039058	2.96E-05	0.003392
<i>HMGB3</i>	1.998339	5.753253	8.025418	3.00E-05	0.003415
<i>SLD5</i>	1.726517	4.969047	8.022336	3.01E-05	0.003415
<i>NCKIPSD</i>	1.280551	4.728795	7.99525	3.08E-05	0.003488
<i>LOC653542</i>	1.477976	3.723678	7.988471	3.10E-05	0.003495
<i>AP3S1</i>	2.033579	7.076574	7.977208	3.14E-05	0.003517
<i>FAH</i>	1.426141	6.969077	7.939838	3.25E-05	0.003611
<i>ATBF1</i>	1.937874	4.7041	7.93931	3.25E-05	0.003611
<i>ABCC8</i>	2.74081	3.008485	7.870218	3.48E-05	0.003828
<i>C9orf52</i>	1.354974	4.684817	7.862567	3.50E-05	0.003839
<i>TSPYL2</i>	1.19644	2.650572	7.826771	3.62E-05	0.003945

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>IQCB1</i>	1.521284	4.38299	7.804821	3.70E-05	0.004007
<i>AP1B1</i>	1.152021	6.499343	7.790212	3.76E-05	0.004029
<i>C22orf19</i>	1.501704	5.540714	7.790061	3.76E-05	0.004029
<i>ZDHHHC14</i>	1.437858	4.928627	7.764935	3.85E-05	0.004111
<i>SCUBE2</i>	1.763455	6.002359	7.757778	3.88E-05	0.004122
<i>CREB3L2</i>	1.576354	6.051142	7.744306	3.93E-05	0.004159
<i>OACT2</i>	1.575872	4.029872	7.734949	3.96E-05	0.00418
<i>LOC648081</i>	3.062069	4.331083	7.717772	4.03E-05	0.004229
<i>TRIM22</i>	1.975032	1.837148	7.710171	4.06E-05	0.004229
<i>SOD2</i>	1.53913	5.268183	7.663836	4.25E-05	0.004389
<i>HSPA5</i>	1.300971	6.340183	7.656811	4.28E-05	0.004401
<i>GNE</i>	2.119577	5.252873	7.617019	4.45E-05	0.004558
<i>LOC653764</i>	1.159927	3.233037	7.554682	4.73E-05	0.004725
<i>GM2A</i>	1.608629	7.562598	7.54449	4.78E-05	0.004725
<i>TDP1</i>	1.054533	4.714235	7.537856	4.81E-05	0.004725
<i>ZMAT2</i>	1.243784	7.891867	7.534989	4.83E-05	0.004725
<i>SCNN1G</i>	1.656161	2.519555	7.52853	4.86E-05	0.004725
<i>PRIM2A</i>	1.205765	3.281389	7.493563	5.03E-05	0.004826
<i>ZNF652</i>	1.234224	3.709116	7.491143	5.04E-05	0.004826
<i>CEP70</i>	1.581045	5.295254	7.48842	5.06E-05	0.004826
<i>LOC650122</i>	1.275248	1.995702	7.483643	5.08E-05	0.004826
<i>NOTCH2</i>	1.529359	5.082578	7.482695	5.08E-05	0.004826
<i>C16orf61</i>	1.262664	9.572917	7.475518	5.12E-05	0.004826
<i>ELF5</i>	1.769694	6.904522	7.4735	5.13E-05	0.004826
<i>LOC652294</i>	1.894334	1.228968	7.46951	5.15E-05	0.004826
<i>PRKAB2</i>	1.241706	4.628705	7.469134	5.15E-05	0.004826
<i>C14orf24</i>	1.985624	4.502168	7.451021	5.25E-05	0.004878
<i>ORMDL3</i>	1.051999	5.521266	7.443156	5.29E-05	0.004896

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>PPL</i>	1.665219	5.368409	7.438066	5.32E-05	0.004896
<i>CALD1</i>	1.703979	4.359535	7.436282	5.33E-05	0.004896
<i>RRM2</i>	2.18774	4.957304	7.430683	5.36E-05	0.004906
<i>MAN1A1</i>	1.633249	3.688569	7.412461	5.46E-05	0.004978
<i>FAM46C</i>	1.077647	3.692173	7.403368	5.51E-05	0.004984
<i>LOC650230</i>	1.105999	5.491164	7.399392	5.53E-05	0.004984
<i>MT1X</i>	1.867179	5.576518	7.398868	5.53E-05	0.004984
<i>TCEB1</i>	1.24084	8.077593	7.394846	5.55E-05	0.004984
<i>LIN7B</i>	1.374432	4.895974	7.393313	5.56E-05	0.004984
<i>SLC41A2</i>	1.049417	4.373705	7.38051	5.64E-05	0.005028
<i>ORM2</i>	1.291463	2.17714	7.377659	5.65E-05	0.005028
<i>SLC31A2</i>	1.17148	6.319397	7.32538	5.96E-05	0.005218
<i>SCP2</i>	1.344404	3.04687	7.325179	5.96E-05	0.005218
<i>BTC</i>	1.118225	2.054918	7.318826	6.00E-05	0.005218
<i>CDC2L1</i>	1.351755	4.267504	7.317142	6.01E-05	0.005218
<i>LPIN1</i>	1.604086	5.053505	7.309351	6.06E-05	0.005218
<i>AXUD1</i>	1.158832	5.815695	7.308692	6.06E-05	0.005218
<i>KCNB1</i>	1.713411	4.252847	7.307179	6.07E-05	0.005218
<i>KCNJ11</i>	1.105714	3.293388	7.29957	6.12E-05	0.005218
<i>ARMET</i>	1.414313	9.494867	7.299418	6.12E-05	0.005218
<i>BCMP11</i>	1.142404	8.545368	7.293246	6.16E-05	0.005218
<i>ASB9</i>	1.283368	3.18197	7.250937	6.43E-05	0.005394
<i>MAP3K6</i>	1.234613	5.335312	7.244949	6.47E-05	0.005409
<i>CPT2</i>	1.081307	6.606611	7.24121	6.50E-05	0.005412
<i>LRRC31</i>	1.076795	3.660995	7.235736	6.53E-05	0.005424
<i>IRX3</i>	1.174384	10.03845	7.227379	6.59E-05	0.005453
<i>LOC134147</i>	1.033864	7.109519	7.222813	6.62E-05	0.005455
<i>CDKN2D</i>	1.550455	3.879818	7.218737	6.65E-05	0.005455
<i>FLJ37587</i>	1.19276	2.092817	7.215934	6.67E-05	0.005455

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>LOC644162</i>	1.631162	4.388375	7.204917	6.74E-05	0.005455
<i>HDAC11</i>	1.336569	5.109544	7.204165	6.75E-05	0.005455
<i>C9orf152</i>	1.401767	8.829361	7.201624	6.77E-05	0.005455
<i>CCDC21</i>	1.088895	4.466941	7.174105	6.96E-05	0.005541
<i>SRD5A1</i>	1.203786	3.854597	7.167219	7.01E-05	0.005563
<i>GNPTAB</i>	1.261656	6.803291	7.156128	7.09E-05	0.005609
<i>MGC16597</i>	1.148421	3.893152	7.142418	7.19E-05	0.005657
<i>RBBP7</i>	1.393933	8.850306	7.141822	7.20E-05	0.005657
<i>MARVELD3</i>	1.327579	5.49713	7.138457	7.22E-05	0.005659
<i>CTSB</i>	1.130508	4.758672	7.129402	7.29E-05	0.005691
<i>FMO5</i>	2.216232	3.855978	7.127045	7.31E-05	0.005691
<i>LOC644940</i>	1.21857	2.158262	7.11924	7.37E-05	0.005719
<i>CNTNAP2</i>	1.349169	5.947829	7.113462	7.41E-05	0.005727
<i>FAM107B</i>	1.444614	6.848921	7.111188	7.43E-05	0.005727
<i>RFWD3</i>	1.140238	6.47019	7.10665	7.46E-05	0.005727
<i>LPIN3</i>	1.11979	3.886226	7.106019	7.47E-05	0.005727
<i>EDG7</i>	1.081767	1.430067	7.10307	7.49E-05	0.005727
<i>LRP5L</i>	1.296084	4.06011	7.097259	7.54E-05	0.005728
<i>MLPH</i>	1.194527	9.002201	7.071885	7.74E-05	0.005863
<i>TSPAN33</i>	1.307762	5.695715	7.065088	7.79E-05	0.005869
<i>LOC643790</i>	1.294368	4.985531	7.04265	7.98E-05	0.005972
<i>STK39</i>	1.598665	4.472688	6.986924	8.46E-05	0.006285
<i>GJB2</i>	1.28007	3.766275	6.985569	8.47E-05	0.006285
<i>CFLAR</i>	1.547916	4.528957	6.966245	8.65E-05	0.006377
<i>KRT5</i>	1.112664	2.497691	6.9606	8.70E-05	0.006396
<i>NAGK</i>	1.301439	8.173884	6.953678	8.76E-05	0.006424
<i>EHF</i>	1.87392	4.487412	6.94723	8.82E-05	0.006424
<i>CLDN15</i>	1.263699	3.834684	6.940359	8.89E-05	0.006424

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>THOC4</i>	1.478509	7.664515	6.939954	8.89E-05	0.006424
<i>SAT</i>	1.064981	8.491101	6.931995	8.97E-05	0.006446
<i>CDC42EP4</i>	1.555788	8.813936	6.92805	9.00E-05	0.00645
<i>CDKN1A</i>	1.251825	7.462719	6.920199	9.08E-05	0.00648
<i>NFYB</i>	1.214783	4.061118	6.918296	9.10E-05	0.00648
<i>GLUL</i>	1.19407	2.68405	6.890709	9.37E-05	0.006579
<i>PNLIP</i>	1.177746	2.076407	6.871868	9.56E-05	0.006675
<i>C6orf72</i>	1.187723	7.148932	6.868248	9.60E-05	0.006682
<i>KRT4</i>	1.037154	2.851756	6.859077	9.69E-05	0.006729
<i>NET1</i>	1.970329	6.4492	6.84634	9.82E-05	0.006802
<i>ANKRD35</i>	1.064073	2.631391	6.822457	0.000101	0.006929
<i>C15orf38</i>	1.014797	4.114602	6.821327	0.000101	0.006929
<i>PDHA1</i>	1.032999	9.328679	6.800543	0.000103	0.007066
<i>RHOU</i>	1.53659	2.859254	6.785547	0.000105	0.007161
<i>LGALS3</i>	1.081104	7.72406	6.775293	0.000106	0.007218
<i>ZWINT</i>	1.045322	5.767558	6.766292	0.000107	0.007251
<i>G6PC</i>	1.361825	2.086313	6.762761	0.000107	0.007251
<i>GPR137B</i>	1.342056	7.074301	6.758991	0.000108	0.007251
<i>GAJ</i>	1.151557	4.15894	6.751127	0.000109	0.007273
<i>POLE2</i>	1.000437	6.311002	6.744031	0.00011	0.007292
<i>C9orf45</i>	1.558105	4.518117	6.743852	0.00011	0.007292
<i>ANXA2</i>	1.281556	7.531839	6.736747	0.000111	0.0073
<i>TNPO2</i>	1.362071	7.100113	6.729499	0.000111	0.007309
<i>PLA2G10</i>	1.249495	3.709156	6.713024	0.000113	0.007379
<i>EFHD1</i>	1.393412	11.12177	6.71106	0.000114	0.007379
<i>NFIC</i>	1.081552	3.80997	6.706062	0.000114	0.0074
<i>LOC652924</i>	2.128283	4.938796	6.691392	0.000116	0.007461
<i>SLC36A2</i>	1.01214	1.583792	6.675889	0.000118	0.007499
<i>CDC2L6</i>	1.356135	5.046475	6.674511	0.000118	0.007499

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>GPD1L</i>	1.421982	8.681407	6.667405	0.000119	0.007514
<i>TESC</i>	1.648023	3.025269	6.66617	0.000119	0.007514
<i>SNAP23</i>	1.211209	4.26673	6.660033	0.00012	0.007527
<i>DPYSL3</i>	1.181801	3.647664	6.642354	0.000122	0.007608
<i>BNIP3L</i>	1.568805	6.228162	6.631178	0.000124	0.007636
<i>RBPMS2</i>	1.000525	6.410819	6.625766	0.000125	0.007636
<i>GREB1</i>	1.746988	5.020427	6.6232	0.000125	0.007636
<i>TAGLN</i>	1.262109	3.744325	6.622634	0.000125	0.007636
<i>LY6G5B</i>	1.504502	1.622023	6.61976	0.000126	0.007636
<i>DCLRE1C</i>	1.119659	4.708985	6.612748	0.000127	0.007676
<i>ACBD7</i>	1.009012	3.608625	6.58	0.000131	0.007899
<i>LOC653105</i>	1.090195	1.37423	6.57639	0.000132	0.007912
<i>CDKN1C</i>	1.341066	2.420911	6.573798	0.000132	0.007915
<i>LOC649095</i>	1.592515	2.229586	6.563275	0.000134	0.007989
<i>SLC29A2</i>	1.165311	8.21697	6.545225	0.000136	0.008072
<i>BRCA1</i>	1.124782	3.498472	6.540474	0.000137	0.008095
<i>LOC649362</i>	1.131172	1.312481	6.537889	0.000137	0.008099
<i>FLJ35934</i>	1.033481	3.652923	6.517756	0.00014	0.008224
<i>IFRD1</i>	1.011146	3.356236	6.501833	0.000143	0.008334
<i>RANBP1</i>	1.49019	7.271241	6.489302	0.000145	0.008389
<i>CD44</i>	1.214953	5.249879	6.483694	0.000146	0.008403
<i>NAP1L4</i>	1.43605	8.776056	6.462547	0.000149	0.008544
<i>LFNG</i>	1.537073	4.897026	6.459355	0.00015	0.008555
<i>TGOLN2</i>	1.00132	6.233254	6.45346	0.000151	0.008572
<i>GABARAPL1</i>	1.139003	5.349587	6.447232	0.000152	0.008612
<i>PDDC1</i>	1.011916	5.046285	6.435047	0.000154	0.00871
<i>GJA1</i>	1.339031	5.121771	6.423133	0.000156	0.008805
<i>PRRG4</i>	1.280934	3.854865	6.413016	0.000158	0.008868

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>CDC2</i>	1.250543	7.438262	6.399983	0.00016	0.008946
<i>LOC650737</i>	1.113818	4.231721	6.399148	0.00016	0.008946
<i>MRAS</i>	1.215012	3.355937	6.391738	0.000162	0.008969
<i>SMA4</i>	1.29784	6.04368	6.390995	0.000162	0.008969
<i>CCDC28A</i>	1.0445	4.71087	6.384735	0.000163	0.00901
<i>ARID1A</i>	1.979666	4.354564	6.379879	0.000164	0.00901
<i>RRAGC</i>	1.118859	5.043378	6.376693	0.000164	0.009014
<i>LCE2A</i>	1.372951	1.941304	6.374176	0.000165	0.00902
<i>IQGAP3</i>	1.276158	7.72233	6.364404	0.000167	0.009093
<i>LOC646299</i>	1.297223	1.374864	6.362951	0.000167	0.009093
<i>RAB3B</i>	1.132111	2.570668	6.359326	0.000168	0.009093
<i>RAD51AP1</i>	1.156536	4.80156	6.345448	0.00017	0.009161
<i>CCAR1</i>	1.095944	6.533388	6.345053	0.00017	0.009161
<i>PPP2CB</i>	1.13911	5.631941	6.339178	0.000172	0.009182
<i>SLN</i>	1.130451	2.063981	6.330996	0.000173	0.009208
<i>TA-PP2C</i>	1.502436	4.015086	6.320981	0.000175	0.009265
<i>CEP152</i>	1.379021	4.245977	6.320615	0.000175	0.009265
<i>AKR1C3</i>	1.564169	3.394563	6.317537	0.000176	0.009265
<i>ACTN1</i>	1.36731	7.71704	6.302116	0.000179	0.009374
<i>SAP30</i>	1.583807	4.954299	6.297937	0.00018	0.009399
<i>ACYP1</i>	1.088833	5.955545	6.291379	0.000181	0.009415
<i>ALDH3A2</i>	1.019721	6.443318	6.290434	0.000181	0.009415
<i>TUBA2</i>	1.700702	1.76356	6.273609	0.000185	0.009523
<i>CAMK2N1</i>	1.321155	6.653525	6.255465	0.000189	0.009662
<i>STK3</i>	1.001077	5.986435	6.248794	0.00019	0.009686
<i>RUTBC1</i>	1.245908	8.94615	6.247937	0.00019	0.009686
<i>TMEM16A</i>	1.030008	4.036291	6.243514	0.000191	0.009715
<i>EAF2</i>	1.556155	3.036968	6.232752	0.000194	0.009815
<i>HIPK2</i>	1.158431	5.283447	6.219774	0.000196	0.009912

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>ARL6IP6</i>	1.870973	5.277312	6.219107	0.000197	0.009912
<i>MGC72104</i>	1.292607	5.359138	6.218887	0.000197	0.009912
<i>LOC651348</i>	1.605155	4.934609	6.197982	0.000201	0.010132
<i>FLJ25422</i>	1.421256	3.170635	6.195831	0.000202	0.010136
<i>ST3GAL1</i>	1.075148	3.468536	6.186506	0.000204	0.010184
<i>LOC255783</i>	1.303989	7.13662	6.180422	0.000206	0.010215
<i>LOC641997</i>	1.1019	1.18635	6.170161	0.000208	0.010315
<i>LOC654037</i>	1.189011	3.50697	6.146449	0.000214	0.010543
<i>ZNF503</i>	1.188443	2.898289	6.146281	0.000214	0.010543
<i>C5</i>	1.306425	5.008272	6.14601	0.000214	0.010543
<i>DUSP1</i>	1.086255	6.059355	6.124981	0.000219	0.010718
<i>C1orf168</i>	1.114186	3.361023	6.120371	0.00022	0.010751
<i>NETO2</i>	1.239136	3.240263	6.118957	0.000221	0.010751
<i>SLC6A6</i>	1.270082	2.939723	6.111776	0.000222	0.01082
<i>CPEB4</i>	2.631552	4.090483	6.089502	0.000228	0.011039
<i>HIST1H2BF</i>	1.221433	2.348894	6.088857	0.000228	0.011039
<i>LOC196752</i>	1.124493	4.843489	6.087785	0.000229	0.011039
<i>DCUN1D3</i>	1.018998	4.732256	6.073079	0.000233	0.011164
<i>TSNAX</i>	2.002513	5.471275	6.065936	0.000235	0.011221
<i>STAT3</i>	1.428993	5.449657	6.058533	0.000237	0.011279
<i>SLC2A3</i>	1.395889	1.987991	6.049499	0.000239	0.011279
<i>GRHL2</i>	2.236432	5.063996	6.049223	0.000239	0.011279
<i>SLC15A2</i>	1.038349	2.398979	6.048179	0.00024	0.011279
<i>ADHFE1</i>	1.059755	5.028487	6.043792	0.000241	0.011292
<i>ARHGEF4</i>	1.599949	1.850253	6.040521	0.000242	0.011304
<i>PTPLAD1</i>	1.772144	6.994643	5.990867	0.000256	0.011824
<i>MT1F</i>	1.222485	4.371596	5.990114	0.000256	0.011824
<i>JARID2</i>	1.342525	4.831328	5.988109	0.000257	0.01183

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>AQP3</i>	1.500651	2.543284	5.969045	0.000263	0.012053
<i>DKFZp686L1814</i>	1.387573	3.977631	5.948936	0.000269	0.012297
<i>TNRC6B</i>	1.045909	3.679564	5.945326	0.00027	0.012304
<i>AUTS2</i>	1.278608	6.938909	5.94078	0.000272	0.012348
<i>PPP1R14C</i>	1.54866	1.858488	5.907431	0.000283	0.01266
<i>GBA</i>	1.008618	7.447022	5.902594	0.000284	0.012688
<i>SRP9</i>	1.375145	4.718161	5.895935	0.000286	0.012734
<i>KIAA0101</i>	1.051884	8.689492	5.859341	0.000299	0.013031
<i>C10orf9</i>	1.400814	5.775145	5.839947	0.000306	0.013142
<i>LOC652506</i>	1.077822	5.192471	5.831443	0.000309	0.01321
<i>MANBA</i>	1.08222	6.3032	5.830509	0.00031	0.01321
<i>LOC389641</i>	1.291669	4.583636	5.827935	0.000311	0.013217
<i>C10orf113</i>	1.197774	2.31158	5.826582	0.000311	0.013217
<i>PSPH</i>	1.211999	5.503455	5.814034	0.000316	0.013354
<i>CLDN12</i>	1.096041	5.517323	5.801125	0.000321	0.013394
<i>LRRFIP2</i>	1.172717	5.348608	5.799951	0.000321	0.013394
<i>UGT2B28</i>	1.215864	1.964115	5.799487	0.000321	0.013394
<i>DDX46</i>	1.457497	5.770321	5.79783	0.000322	0.013394
<i>ARHGAP26</i>	1.54188	1.917911	5.788033	0.000326	0.013507
<i>APITD1</i>	1.001209	5.812258	5.775021	0.000331	0.013652
<i>SCGB1D2</i>	1.206991	2.515072	5.770326	0.000333	0.013662
<i>CALR</i>	1.071376	7.620536	5.769275	0.000333	0.013662
<i>SH3BP2</i>	1.101004	2.011511	5.766842	0.000334	0.013662
<i>SHMT1</i>	1.222523	7.06266	5.765601	0.000335	0.013662
<i>LOC652726</i>	1.128368	3.432896	5.741857	0.000344	0.014
<i>CMIP</i>	1.353776	3.716871	5.736603	0.000347	0.014066
<i>DENND2C</i>	1.237972	3.389107	5.732912	0.000348	0.014083
<i>PNPO</i>	1.128304	8.761605	5.727474	0.00035	0.014153
<i>SEPP1</i>	1.624269	6.761981	5.725502	0.000351	0.014164

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>LOC643523</i>	1.044037	1.257456	5.718365	0.000354	0.014264
<i>ABHD3</i>	1.357485	3.77016	5.700594	0.000362	0.01448
<i>ELOVL5</i>	1.518135	7.272912	5.697861	0.000363	0.014505
<i>CSNK1A1</i>	1.126117	5.045787	5.68805	0.000368	0.014562
<i>AKAP10</i>	1.006882	4.121598	5.684529	0.000369	0.014579
<i>NICN1</i>	1.02501	5.995554	5.681645	0.00037	0.014607
<i>TM2D1</i>	1.31326	5.218781	5.661775	0.00038	0.014893
<i>C10orf41</i>	1.070357	2.027106	5.651275	0.000384	0.014982
<i>SNRPD3</i>	1.265217	4.691904	5.646669	0.000387	0.014982
<i>RBBP5</i>	1.591952	5.060687	5.644408	0.000388	0.014982
<i>TRUB1</i>	1.399919	2.389081	5.639351	0.00039	0.015046
<i>MTCH2</i>	1.065575	4.681048	5.631718	0.000394	0.015135
<i>STXBP3</i>	1.4919	4.704132	5.612516	0.000403	0.015202
<i>PPP1R3C</i>	2.034687	3.226958	5.61231	0.000403	0.015202
<i>EDN2</i>	1.066486	2.561956	5.585159	0.000417	0.015619
<i>FANCD2</i>	1.055382	3.968479	5.583916	0.000417	0.015619
<i>F2R</i>	1.402016	1.822994	5.582557	0.000418	0.015622
<i>CRIP1</i>	1.006501	5.661942	5.580882	0.000419	0.015631
<i>IFRG15</i>	1.21525	2.418644	5.579391	0.00042	0.015636
<i>TRA2A</i>	1.594391	5.437435	5.573865	0.000423	0.015696
<i>LOC643287</i>	1.294969	4.908851	5.572349	0.000423	0.015702
<i>DCK</i>	1.218176	4.484924	5.561119	0.000429	0.015856
<i>FKSG44</i>	1.12106	7.342415	5.5608	0.000429	0.015856
<i>ZFYVE21</i>	1.010252	8.56769	5.553894	0.000433	0.015944
<i>GPR160</i>	1.211359	5.082239	5.545477	0.000438	0.016039
<i>FBXO5</i>	1.526791	6.06669	5.543414	0.000439	0.016039
<i>HMGB2</i>	1.292104	6.66221	5.543109	0.000439	0.016039
<i>PBEF1</i>	1.065643	3.611958	5.538833	0.000441	0.016078

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>FRK</i>	1.151874	1.432635	5.537067	0.000442	0.016078
<i>CWF19L1</i>	1.176516	4.449359	5.525747	0.000448	0.016185
<i>LOC648366</i>	2.565304	2.879348	5.516449	0.000454	0.016215
<i>CKAP4</i>	1.170673	7.41545	5.5144	0.000455	0.016215
<i>LOC651316</i>	1.442943	2.284341	5.506224	0.000459	0.016282
<i>LOC644844</i>	1.295419	1.237555	5.501858	0.000462	0.016329
<i>PCAF</i>	1.011864	4.96461	5.499302	0.000463	0.016334
<i>ZNF689</i>	1.590213	5.373887	5.488159	0.00047	0.016538
<i>LOC284023</i>	1.181875	4.245327	5.484564	0.000472	0.016541
<i>FLJ40629</i>	1.365966	5.827677	5.482837	0.000473	0.016541
<i>ADFP</i>	1.021724	6.071381	5.482397	0.000473	0.016541
<i>ANXA11</i>	1.096306	3.817149	5.469922	0.00048	0.016728
<i>THRAP6</i>	1.171108	5.504793	5.465582	0.000483	0.016795
<i>FAIM</i>	1.182834	3.740761	5.461534	0.000486	0.016833
<i>TDRD10</i>	1.104878	1.639836	5.448556	0.000493	0.017013
<i>RAB1A</i>	1.062584	6.459852	5.442592	0.000497	0.017096
<i>GLRX</i>	1.117376	5.701408	5.431813	0.000504	0.017247
<i>PPARA</i>	1.002139	1.835059	5.409482	0.000518	0.017596
<i>GPR153</i>	1.372468	2.180432	5.400928	0.000524	0.017714
<i>ITGA2B</i>	1.166807	4.571426	5.368908	0.000545	0.018025
<i>SLC16A6</i>	1.126371	3.614425	5.36664	0.000547	0.018045
<i>EMP1</i>	1.276888	2.319504	5.353042	0.000556	0.01822
<i>NPHP3</i>	1.134975	3.956512	5.344443	0.000562	0.018394
<i>PFN2</i>	1.321555	6.48185	5.310034	0.000587	0.018996
<i>CTNNB1</i>	1.351884	3.010847	5.309637	0.000587	0.018996
<i>GPC4</i>	1.366681	3.261827	5.297422	0.000597	0.019186
<i>TMEM41B</i>	1.019192	6.326948	5.291457	0.000601	0.019215
<i>DSCR1</i>	1.285104	8.764807	5.285755	0.000605	0.019269
<i>FASN</i>	1.12513	11.3947	5.284729	0.000606	0.019269

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>PNMA2</i>	1.079674	1.470939	5.284683	0.000606	0.019269
<i>LOC440934</i>	1.066425	1.886901	5.282264	0.000608	0.019269
<i>ALS2CR15</i>	1.177761	2.527478	5.276631	0.000613	0.019333
<i>C17orf55</i>	1.065278	3.146334	5.267275	0.00062	0.019395
<i>GNB1</i>	1.111501	9.783337	5.261868	0.000624	0.019407
<i>RDH10</i>	1.080711	5.100614	5.261796	0.000624	0.019407
<i>MUC1</i>	1.100509	10.96584	5.23812	0.000643	0.019852
<i>KLF15</i>	1.095924	2.691456	5.237458	0.000644	0.019852
<i>GSTM3</i>	1.1433	5.778263	5.237163	0.000644	0.019852
<i>MMP13</i>	1.052211	1.334077	5.232462	0.000648	0.019947
<i>CDC2L2</i>	1.199688	4.045803	5.210481	0.000666	0.02029
<i>LOC649536</i>	1.229405	2.110855	5.196042	0.000679	0.020593
<i>SLC7A8</i>	1.013654	3.066135	5.19125	0.000683	0.02067
<i>MMACHC</i>	1.393989	4.741303	5.189125	0.000685	0.020676
<i>LOC648695</i>	1.798074	4.570938	5.180968	0.000692	0.020868
<i>LOC153561</i>	1.420763	5.48411	5.179284	0.000694	0.020888
<i>STK24</i>	1.189985	7.289359	5.177738	0.000695	0.020905
<i>EFCAB3</i>	1.245204	2.685827	5.165632	0.000706	0.021055
<i>LOC400879</i>	1.208259	4.632947	5.156591	0.000714	0.0212
<i>UBE2G1</i>	1.131912	5.078949	5.135248	0.000734	0.021535
<i>HMG1L1</i>	1.279277	5.090287	5.098906	0.000769	0.022028
<i>MYBPH</i>	1.025229	2.52882	5.078408	0.00079	0.0223
<i>CEACAM3</i>	1.033083	0.661002	5.076338	0.000792	0.0223
<i>CHRNA5</i>	1.022072	6.515578	5.076282	0.000792	0.0223
<i>HFE</i>	1.155503	2.436119	5.061477	0.000808	0.022555
<i>KCNK1</i>	1.006407	3.679909	5.060338	0.000809	0.022563
<i>FNBP1L</i>	1.047122	6.265158	5.054903	0.000815	0.022698
<i>GALNT6</i>	1.101203	4.080341	5.041598	0.000829	0.022891

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>PACSLN2</i>	1.057006	7.036309	5.034506	0.000836	0.022974
<i>RRP22</i>	1.344726	2.766989	5.033608	0.000837	0.022974
<i>SPFH1</i>	1.02612	4.452627	5.032069	0.000839	0.022974
<i>CCDC58</i>	1.60894	5.071186	5.014289	0.000859	0.023309
<i>FLJ23191</i>	1.023998	2.114362	5.010136	0.000863	0.023386
<i>RAD21</i>	1.119717	4.387136	5.005519	0.000869	0.0234
<i>CHD1L</i>	1.001022	4.767566	4.997611	0.000878	0.023574
<i>AFF4</i>	2.411751	4.886309	4.99237	0.000884	0.023628
<i>HIATL2</i>	1.243518	3.607133	4.990574	0.000886	0.023634
<i>PLEKHB2</i>	1.199126	3.537175	4.981913	0.000896	0.023726
<i>CDC42EP3</i>	1.351173	2.566721	4.980434	0.000898	0.023747
<i>ADAM9</i>	1.06956	3.75716	4.966412	0.000914	0.024015
<i>NGFR</i>	1.091038	1.058436	4.95935	0.000923	0.024158
<i>LEPROT</i>	1.019429	6.768757	4.933266	0.000955	0.024666
<i>ALDH9A1</i>	1.086021	10.20773	4.931576	0.000957	0.024686
<i>LOC643367</i>	1.247153	5.452508	4.923945	0.000967	0.024767
<i>HNRPH1</i>	2.395399	8.44288	4.914548	0.000979	0.024974
<i>LDLRAD3</i>	1.43451	4.726473	4.907187	0.000989	0.025141
<i>ACSL3</i>	1.47188	3.555763	4.904875	0.000992	0.025192
<i>SPTBN1</i>	1.614843	3.296831	4.89082	0.00101	0.025535
<i>MTSS1</i>	1.262536	2.951978	4.889257	0.001012	0.025535
<i>SAFB2</i>	1.069799	5.363386	4.878807	0.001027	0.025737
<i>SV2B</i>	1.381315	1.802539	4.863454	0.001048	0.026162
<i>NEK7</i>	1.133903	2.291317	4.857962	0.001055	0.026254
<i>POLS</i>	1.130355	5.52559	4.857823	0.001056	0.026254
<i>LOC641825</i>	1.15302	1.433588	4.850604	0.001066	0.026402
<i>ALAD</i>	1.028398	4.620601	4.833913	0.00109	0.026652
<i>IMAA</i>	1.110025	2.06921	4.833058	0.001091	0.026656
<i>ANKRD20A2</i>	1.414317	2.240952	4.830005	0.001095	0.026687

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>TMPO</i>	1.426524	3.453007	4.827083	0.0011	0.026765
<i>MGC14376</i>	1.016616	5.535553	4.804835	0.001133	0.027306
<i>LOC400987</i>	1.655462	2.54339	4.792164	0.001152	0.02756
<i>GPR89A</i>	1.494046	5.03182	4.790746	0.001154	0.02756
<i>M6PR</i>	1.053059	4.663361	4.783852	0.001165	0.02771
<i>MGC40579</i>	1.060253	4.81278	4.768705	0.001189	0.027986
<i>EIF5</i>	1.742494	3.779925	4.766223	0.001193	0.028008
<i>SP6</i>	1.215764	2.676539	4.742286	0.001232	0.028625
<i>GP1BB</i>	1.257219	6.987634	4.725943	0.001259	0.028962
<i>UBE2A</i>	1.058189	1.146252	4.718051	0.001273	0.029157
<i>U2AF2</i>	1.251633	7.03688	4.71757	0.001274	0.029157
<i>LOC389816</i>	1.065366	7.329159	4.716388	0.001276	0.029177
<i>GULP1</i>	1.371519	2.357207	4.700793	0.001303	0.029531
<i>LOC643668</i>	1.341208	9.204629	4.698067	0.001308	0.029531
<i>LOC653650</i>	1.954341	2.894956	4.696324	0.001311	0.029531
<i>RAB2B</i>	1.325893	5.721727	4.689121	0.001324	0.029622
<i>EFEMP1</i>	1.100327	6.390565	4.679664	0.001341	0.029923
<i>H3F3A</i>	1.01554	12.27952	4.675206	0.001349	0.030051
<i>ANGPTL5</i>	1.038011	1.425501	4.663349	0.001371	0.030263
<i>HIST1H3B</i>	1.416297	1.57349	4.656361	0.001384	0.030344
<i>TBL1X</i>	1.108874	5.748596	4.652239	0.001392	0.030446
<i>LASS6</i>	1.304796	7.250284	4.650315	0.001395	0.030487
<i>INCENP</i>	1.417611	2.290186	4.648508	0.001399	0.030513
<i>LOC642477</i>	1.467552	4.172073	4.647058	0.001401	0.030526
<i>C12orf58</i>	1.075918	3.718904	4.643457	0.001408	0.030594
<i>LOC644799</i>	1.427186	6.999693	4.641055	0.001413	0.030659
<i>ZNF217</i>	1.962164	6.151254	4.617619	0.001459	0.031274
<i>PABPN1</i>	1.548733	5.72096	4.600379	0.001494	0.031776

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>TIRAP</i>	1.011428	3.709429	4.599156	0.001496	0.031789
<i>LOC650766</i>	1.430516	2.074467	4.595164	0.001504	0.031811
<i>KIAA1671</i>	1.121845	5.630271	4.592218	0.00151	0.031855
<i>IMPDH1</i>	1.229554	6.475237	4.589539	0.001516	0.031895
<i>SSBP2</i>	1.051716	7.207593	4.575964	0.001544	0.032223
<i>HMMR</i>	1.098461	7.586414	4.559629	0.001579	0.032719
<i>LOC643196</i>	1.110186	1.506499	4.5514	0.001597	0.03297
<i>LOC653357</i>	1.244024	2.050949	4.543261	0.001615	0.033202
<i>EGF</i>	1.253637	2.930026	4.540237	0.001622	0.033233
<i>LOC644422</i>	2.569409	5.812507	4.532716	0.001639	0.033414
<i>IGF2R</i>	1.060145	7.644343	4.523839	0.001659	0.033657
<i>SLC35A3</i>	1.060958	6.030968	4.506637	0.001699	0.034191
<i>RCP9</i>	1.089505	3.070858	4.503952	0.001705	0.034285
<i>LOC440422</i>	1.013636	2.288055	4.50146	0.001711	0.034354
<i>CAMKK1</i>	1.105469	2.034986	4.497584	0.00172	0.034479
<i>ZNF69</i>	1.242456	4.893344	4.494024	0.001729	0.034554
<i>NEDD4L</i>	1.081226	4.171195	4.485705	0.001749	0.034775
<i>MT1A</i>	1.482185	7.589415	4.480006	0.001763	0.034904
<i>PER2</i>	1.024568	5.137651	4.473583	0.001778	0.035085
<i>GUSBL1</i>	1.225165	5.614555	4.469179	0.001789	0.035161
<i>LOC653712</i>	1.171608	2.135854	4.467031	0.001795	0.035223
<i>PROK2</i>	1.505252	2.135597	4.464898	0.0018	0.035232
<i>FLJ22313</i>	1.089778	3.54267	4.450519	0.001836	0.035723
<i>TNFAIP8L3</i>	1.038063	2.957033	4.449293	0.001839	0.035723
<i>UPF2</i>	1.18628	5.399766	4.447855	0.001843	0.035728
<i>LOC115648</i>	1.213936	2.331887	4.446519	0.001846	0.03575
<i>ERO1LB</i>	1.374883	2.523329	4.435371	0.001875	0.036141
<i>IMPAD1</i>	1.123998	5.004207	4.434751	0.001877	0.036144
<i>PRICKLE1</i>	1.45908	2.342741	4.430563	0.001888	0.036271

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>KIAA0889</i>	1.009255	3.979219	4.427032	0.001897	0.036338
<i>LOC644063</i>	1.929685	6.474147	4.421223	0.001913	0.036391
<i>FXR1</i>	1.496212	6.6163	4.420062	0.001916	0.036391
<i>LOC654174</i>	1.958202	2.907551	4.417813	0.001922	0.036445
<i>PDPK1</i>	1.554486	3.647063	4.409076	0.001945	0.036727
<i>LOC641807</i>	1.337592	2.340217	4.404195	0.001958	0.036808
<i>C18orf45</i>	1.078938	4.541868	4.383356	0.002016	0.037301
<i>PHACTR4</i>	1.266769	6.920552	4.379607	0.002027	0.037365
<i>TIA1</i>	1.062262	4.266192	4.359189	0.002086	0.038089
<i>LOC648434</i>	1.064659	2.659317	4.350043	0.002113	0.038324
<i>RING1</i>	1.197846	8.571891	4.349476	0.002114	0.038327
<i>CHIC1</i>	1.257316	1.341693	4.348774	0.002116	0.038334
<i>IFNGR1</i>	1.150259	4.940477	4.314061	0.002222	0.039767
<i>E2F7</i>	1.106366	4.694626	4.30394	0.002254	0.040155
<i>NBPF14</i>	1.128517	3.400742	4.298173	0.002273	0.040263
<i>WHDC1</i>	1.172252	2.584984	4.297627	0.002274	0.040266
<i>SRRM2</i>	1.162289	8.185661	4.290852	0.002296	0.040435
<i>FJX1</i>	1.138362	8.651495	4.290654	0.002297	0.040435
<i>RARG</i>	1.040542	2.262703	4.282242	0.002324	0.040832
<i>ACOX1</i>	1.199496	4.788697	4.278393	0.002337	0.041026
<i>MT2A</i>	1.635793	8.455792	4.273606	0.002353	0.041218
<i>LOC644614</i>	1.491095	2.446486	4.271832	0.002359	0.041264
<i>SHRM</i>	1.068841	4.272162	4.26789	0.002372	0.041466
<i>HSPA2</i>	1.252682	3.06914	4.266872	0.002376	0.041496
<i>C9orf88</i>	1.18073	8.992898	4.247863	0.00244	0.041935
<i>LOC653942</i>	1.062082	8.471147	4.247833	0.002441	0.041935
<i>KIR2DL3</i>	1.169352	1.957272	4.23642	0.00248	0.042322
<i>RIOK3</i>	1.147897	4.690702	4.232908	0.002493	0.042389

Gene names	logFC	AveExpr	t	P.Value	adj.P.Val
<i>TERF1</i>	1.222991	4.489033	4.222783	0.002529	0.042819
<i>DKFZP434A0131</i>	1.857856	6.005999	4.221523	0.002533	0.042819
<i>LOC642576</i>	1.049815	2.168026	4.215656	0.002555	0.043003
<i>LMO7</i>	1.118656	2.170631	4.207921	0.002583	0.043304
<i>LOC645719</i>	1.262558	4.886405	4.205613	0.002591	0.043331
<i>LOC652612</i>	1.354337	1.987093	4.202446	0.002603	0.04344
<i>IL6ST</i>	1.398837	2.425579	4.195779	0.002628	0.04367
<i>LOC652773</i>	1.232228	4.554878	4.190559	0.002648	0.04386
<i>MDM4</i>	1.533895	2.71843	4.182871	0.002677	0.04411
<i>LOC619190</i>	1.601322	2.014285	4.169494	0.002729	0.044489
<i>LOC441425</i>	1.235129	2.231751	4.169094	0.00273	0.044489
<i>FOXO1A</i>	1.273059	3.069543	4.163148	0.002753	0.044694
<i>LOC650141</i>	1.459979	2.476061	4.149034	0.00281	0.045196
<i>RCC2</i>	1.027471	8.452832	4.13405	0.002871	0.045794
<i>DHX33</i>	1.350903	4.666472	4.109732	0.002973	0.046937
<i>LOC643909</i>	1.044035	2.304984	4.098112	0.003023	0.047404
<i>LOC645580</i>	1.050954	2.114837	4.098042	0.003023	0.047404
<i>LOC51315</i>	1.196558	4.089844	4.091071	0.003054	0.047655
<i>LOC652640</i>	1.218799	1.740101	4.086018	0.003076	0.047849
<i>THRAP3</i>	1.157455	2.836917	4.084056	0.003085	0.047955
<i>LOC649456</i>	1.510414	2.24974	4.07422	0.003129	0.04828
<i>PLEKHF1</i>	1.385214	5.735483	4.067196	0.003161	0.048414
<i>PIGA</i>	1.002826	4.688942	4.06166	0.003186	0.048594
<i>LOC647743</i>	1.175119	5.168937	4.05523	0.003216	0.04893
<i>TMEM89</i>	1.003687	1.978535	4.044906	0.003264	0.049335
<i>LYSMD1</i>	1.462014	3.173432	4.038454	0.003295	0.049569

Table S5. The 2937 DEGs in the BRCA group.

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CGA</i>	8.7456539	4.683034	6.22E-33	3.54E-32
<i>CST4</i>	8.3204922	2.415999	3.19E-51	3.20E-50
<i>CSAG1</i>	8.2959413	0.470341	1.58E-33	9.22E-33
<i>IBSP</i>	8.0634148	2.713122	2.53E-80	4.82E-79
<i>MAGEA12</i>	8.0527783	0.91114	1.95E-21	6.85E-21
<i>CST5</i>	7.9451542	3.62691	2.41E-27	1.09E-26
<i>ACTL8</i>	7.8871937	2.430987	1.08E-40	8.03E-40
<i>MAGEA1</i>	7.766988	1.165443	9.49E-25	3.86E-24
<i>KLHL1</i>	7.6524218	1.427917	1.34E-15	3.62E-15
<i>MAGEA3</i>	7.6345171	2.091348	2.71E-16	7.57E-16
<i>SPDYC</i>	7.3682361	2.699592	1.53E-32	8.60E-32
<i>COL10A1</i>	7.1522343	7.232031	4.57E-168	3.04E-166
<i>MAGEA6</i>	7.0033039	1.916001	2.28E-14	5.81E-14
<i>SPANXB2</i>	6.9600963	-0.06347	9.19E-22	3.27E-21
<i>CST1</i>	6.9539976	3.664878	7.73E-69	1.20E-67
<i>CARTPT</i>	6.8806654	7.089233	3.35E-12	7.59E-12
<i>CHRNA9</i>	6.769467	2.889416	1.88E-31	1.01E-30
<i>CASP14</i>	6.7527933	5.310898	5.47E-29	2.66E-28
<i>MAGEC2</i>	6.678575	0.286994	3.74E-17	1.09E-16
<i>MMP1</i>	6.5243353	5.087819	9.71E-65	1.37E-63
<i>PCSK1</i>	6.5209111	5.928433	2.08E-33	1.21E-32
<i>CPLX2</i>	6.4572749	3.191768	1.39E-17	4.13E-17
<i>TRPA1</i>	6.3412831	4.003363	3.05E-41	2.32E-40
<i>RTBDN</i>	6.3132483	1.176403	1.64E-43	1.33E-42
<i>MMP13</i>	6.3035133	4.982848	6.41E-81	1.23E-79
<i>MMP11</i>	6.2845791	8.234613	1.02E-167	6.75E-166

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>COL11A1</i>	6.2045223	7.717564	8.23E-110	2.53E-108
<i>CBLN2</i>	6.1002305	3.937289	1.65E-34	1.00E-33
<i>OLFM3</i>	6.0926484	0.562558	1.33E-15	3.59E-15
<i>EPYC</i>	6.0380438	2.017668	6.35E-68	9.59E-67
<i>PRAC2</i>	5.9343444	-1.32312	2.95E-29	1.45E-28
<i>DSCR8</i>	5.9230746	-0.64064	1.68E-23	6.43E-23
<i>LHX1</i>	5.9164733	0.094323	1.57E-20	5.28E-20
<i>HMP19</i>	5.9068784	2.473223	1.45E-31	7.85E-31
<i>POTEC</i>	5.8861415	0.1373	1.27E-20	4.28E-20
<i>SLC30A8</i>	5.8795707	5.939246	1.11E-27	5.11E-27
<i>MAGEA4</i>	5.8629849	2.144685	3.36E-12	7.62E-12
<i>TLX1</i>	5.8500453	1.041259	3.79E-32	2.10E-31
<i>BPIFA1</i>	5.8314589	1.691416	5.21E-11	1.11E-10
<i>GABRA5</i>	5.7980205	-0.7383	4.23E-25	1.74E-24
<i>TRH</i>	5.7810688	4.691281	8.72E-26	3.72E-25
<i>GABRQ</i>	5.7678099	2.050727	9.67E-32	5.26E-31
<i>CLEC3A</i>	5.7330998	7.765186	8.61E-19	2.68E-18
<i>HOXB13</i>	5.6882877	2.451852	1.30E-27	5.95E-27
<i>TLX3</i>	5.6009436	-1.90557	1.87E-15	5.02E-15
<i>LRTM2</i>	5.5994625	0.930233	1.26E-38	8.74E-38
<i>NKX2_2</i>	5.5836308	0.086867	2.77E-22	1.01E-21
<i>GNG13</i>	5.5545139	0.149005	7.03E-53	7.33E-52
<i>KRT1</i>	5.5487818	4.264583	2.81E-21	9.81E-21
<i>C20orf85</i>	5.5319116	0.328965	4.09E-17	1.19E-16
<i>HIST1H3B</i>	5.5284432	-0.43293	1.69E-39	1.21E-38
<i>TLX1NB</i>	5.4909756	-2.36434	2.14E-33	1.24E-32
<i>GRM4</i>	5.4126319	3.143164	9.11E-66	1.32E-64
<i>CNGA2</i>	5.385402	-1.319	3.58E-21	1.24E-20
<i>ORM1</i>	5.3850568	2.648021	7.72E-27	3.43E-26

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>IL19</i>	5.3500065	0.093435	1.43E-32	8.04E-32
<i>LIN28A</i>	5.3441735	0.58616	1.70E-19	5.46E-19
<i>HAPLN1</i>	5.3338336	2.606735	1.36E-49	1.30E-48
<i>INSM1</i>	5.3152861	2.951967	6.06E-30	3.07E-29
<i>CYP2A7</i>	5.2892258	4.499741	2.18E-18	6.66E-18
<i>CST2</i>	5.2786198	1.915098	8.31E-58	9.85E-57
<i>KCNJ3</i>	5.246022	5.851008	2.88E-28	1.36E-27
<i>ASCL1</i>	5.216226	2.605186	7.11E-20	2.32E-19
<i>CDC20B</i>	5.203937	2.849105	2.87E-25	1.19E-24
<i>DCD</i>	5.1874453	6.387524	1.27E-11	2.80E-11
<i>METTL11B</i>	5.1710402	-2.05017	1.35E-66	1.99E-65
<i>ERVV_2</i>	5.1576959	-1.67422	1.48E-21	5.23E-21
<i>AMER3</i>	5.1513361	-0.67953	6.38E-18	1.92E-17
<i>CHGA</i>	5.148421	6.330839	2.67E-15	7.11E-15
<i>HIST1H2AJ</i>	5.1011721	-2.04376	8.03E-34	4.74E-33
<i>HIST1H1B</i>	5.0886225	-0.00031	2.93E-32	1.63E-31
<i>SYT13</i>	5.0511751	6.083751	6.67E-41	5.00E-40
<i>PPAPDC1A</i>	5.0205303	3.00816	6.62E-118	2.36E-116
<i>PVALB</i>	5.0079019	3.843736	2.64E-28	1.25E-27
<i>GATA4</i>	4.9981427	0.539737	8.08E-21	2.76E-20
<i>ZFP42</i>	4.9780725	0.228544	9.87E-16	2.69E-15
<i>SLC24A2</i>	4.968833	2.516197	4.85E-93	1.12E-91
<i>CD177</i>	4.9614082	3.253062	8.82E-31	4.63E-30
<i>PRAME</i>	4.9597677	4.872051	5.47E-27	2.45E-26
<i>DMP1</i>	4.9262418	-0.97892	5.30E-32	2.91E-31
<i>TCL1B</i>	4.9214819	-2.06654	9.55E-19	2.97E-18
<i>XKR7</i>	4.9084106	0.458752	5.77E-25	2.36E-24
<i>IGFL3</i>	4.9078912	-0.80037	3.40E-41	2.57E-40

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CDK5R2</i>	4.9052735	-0.27128	7.40E-20	2.41E-19
<i>SMR3B</i>	4.901273	5.699474	1.35E-08	2.54E-08
<i>CLDN6</i>	4.8719552	1.301414	7.00E-26	3.00E-25
<i>CHGB</i>	4.8338507	6.803246	1.40E-15	3.77E-15
<i>CPB1</i>	4.8229291	10.71096	2.27E-17	6.68E-17
<i>CA9</i>	4.8200727	2.708511	1.84E-31	9.91E-31
<i>CSMD3</i>	4.8115648	1.299191	1.68E-16	4.73E-16
<i>TUBA3C</i>	4.8112669	-1.58127	4.34E-19	1.37E-18
<i>S100P</i>	4.7982078	5.81394	3.69E-52	3.78E-51
<i>TEX19</i>	4.786474	-1.17207	2.10E-35	1.31E-34
<i>PLAC1</i>	4.7625851	0.580713	1.82E-73	3.07E-72
<i>S100G</i>	4.7615438	1.08101	6.62E-14	1.64E-13
<i>HIST1H2AI</i>	4.7558791	1.05065	2.90E-58	3.47E-57
<i>CRYBA2</i>	4.7557833	-1.49918	3.81E-25	1.57E-24
<i>NCAN</i>	4.7556548	2.641902	1.42E-16	4.02E-16
<i>NDST4</i>	4.7335054	0.497841	2.07E-14	5.28E-14
<i>CT83</i>	4.7332079	0.419592	1.12E-09	2.24E-09
<i>MUC5AC</i>	4.7059603	3.202157	2.91E-15	7.76E-15
<i>ENSG00000260220</i>	4.7028932	-1.19185	2.03E-31	1.09E-30
<i>SBSN</i>	4.6969735	2.653028	2.06E-20	6.91E-20
<i>HIST1H3F</i>	4.6925978	-1.24538	2.25E-29	1.12E-28
<i>HIST1H4B</i>	4.6649935	-1.50207	2.62E-24	1.04E-23
<i>GNGT1</i>	4.6647078	-1.15805	6.38E-18	1.92E-17
<i>GPR26</i>	4.6453674	2.352007	6.16E-21	2.11E-20
<i>PDX1</i>	4.6260783	-2.86062	2.84E-14	7.20E-14
<i>S100A7A</i>	4.616641	3.268017	2.14E-11	4.65E-11
<i>WT1</i>	4.5948037	2.422374	3.58E-36	2.28E-35
<i>HIST1H2BO</i>	4.5816258	-0.5197	5.74E-57	6.66E-56
<i>NELL1</i>	4.5711754	1.499692	6.31E-17	1.81E-16

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CELF3</i>	4.5587112	-0.0606	1.17E-30	6.13E-30
<i>BPIFB6</i>	4.5392946	-2.53055	6.84E-17	1.96E-16
<i>MYT1</i>	4.5341836	2.001842	4.27E-41	3.22E-40
<i>ZDHHC22</i>	4.5308453	-0.46678	1.79E-21	6.29E-21
<i>COMP</i>	4.5252302	7.05571	4.86E-85	9.97E-84
<i>FOXJ1</i>	4.5248186	2.759621	2.96E-36	1.89E-35
<i>HIST1H4C</i>	4.5170306	-0.456	2.30E-29	1.14E-28
<i>GABRA3</i>	4.5132117	0.193632	7.10E-20	2.32E-19
<i>OR2B6</i>	4.5034069	-0.69921	5.97E-67	8.84E-66
<i>HMX2</i>	4.4945473	-1.91043	2.80E-20	9.31E-20
<i>PYDC1</i>	4.4909642	2.656776	7.69E-26	3.29E-25
<i>DPYSL5</i>	4.4629562	1.11995	3.24E-18	9.85E-18
<i>EIF4E1B</i>	4.4383442	-1.27134	1.15E-19	3.72E-19
<i>MAEL</i>	4.4269248	1.094996	6.40E-27	2.85E-26
<i>CEACAM5</i>	4.3967771	5.689748	3.07E-27	1.38E-26
<i>HIST1H3J</i>	4.3765921	-1.80386	4.67E-55	5.16E-54
<i>LHX2</i>	4.3749392	-0.17126	7.60E-47	6.75E-46
<i>CHRNA6</i>	4.3668739	0.260548	2.37E-61	3.08E-60
<i>CAMP</i>	4.3648562	0.838521	9.82E-45	8.25E-44
<i>ACAN</i>	4.3447985	4.076335	1.59E-40	1.18E-39
<i>CEACAM6</i>	4.3375601	7.726444	1.78E-32	9.96E-32
<i>FAM25A</i>	4.3370123	-0.90506	1.05E-17	3.15E-17
<i>ADAMTS20</i>	4.3369837	-1.87222	4.66E-28	2.18E-27
<i>GBX2</i>	4.3362927	-2.11809	1.01E-47	9.24E-47
<i>HIST1H4D</i>	4.3333075	-0.57269	3.02E-41	2.30E-40
<i>KIF1A</i>	4.3331349	4.137372	4.13E-27	1.85E-26
<i>HIST1H3H</i>	4.3318902	3.514457	2.25E-67	3.36E-66
<i>GJB2</i>	4.315565	5.445637	4.60E-87	9.78E-86

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>FABP6</i>	4.3026133	0.048275	6.65E-28	3.10E-27
<i>ORM2</i>	4.3025121	1.866743	2.47E-24	9.82E-24
<i>IFNL2</i>	4.2978829	-3.28818	2.26E-28	1.07E-27
<i>SYT4</i>	4.2938093	1.069602	2.58E-09	5.05E-09
<i>BMPR1B</i>	4.2876589	7.591945	1.16E-33	6.78E-33
<i>SERPINB4</i>	4.284084	0.624578	4.27E-10	8.73E-10
<i>NEK2</i>	4.2831511	4.69843	2.11E-161	1.31E-159
<i>FOXG1</i>	4.2815034	-1.75006	3.82E-17	1.11E-16
<i>WBSCR28</i>	4.2669058	-1.0478	4.74E-62	6.30E-61
<i>LIN28B</i>	4.2620516	-2.17678	1.44E-10	3.00E-10
<i>KRT75</i>	4.2495185	0.933351	3.26E-22	1.18E-21
<i>SYT5</i>	4.242939	0.676589	1.02E-33	6.01E-33
<i>MS4A15</i>	4.2260465	1.97789	4.73E-31	2.51E-30
<i>UBE2C</i>	4.2244114	5.313288	1.58E-114	5.33E-113
<i>KISS1R</i>	4.2213275	0.450405	4.18E-39	2.95E-38
<i>STRA8</i>	4.2067278	-1.35567	3.07E-15	8.15E-15
<i>TBX10</i>	4.1824828	0.357167	4.58E-14	1.15E-13
<i>HIST1H1E</i>	4.1803303	1.353941	9.35E-33	5.29E-32
<i>NPW</i>	4.1769448	0.754121	8.88E-38	5.98E-37
<i>CCL11</i>	4.1751387	0.504565	9.32E-84	1.87E-82
<i>TYRP1</i>	4.1642328	1.181691	1.09E-28	5.24E-28
<i>HORMAD1</i>	4.1620347	1.890209	5.61E-21	1.93E-20
<i>HIST1H2AL</i>	4.157988	-2.1043	1.40E-35	8.79E-35
<i>POU3F2</i>	4.1540026	-0.33487	1.39E-21	4.93E-21
<i>HOXC12</i>	4.1240365	2.535424	9.64E-27	4.27E-26
<i>MSMB</i>	4.1208114	4.471303	1.26E-23	4.87E-23
<i>SLC1A6</i>	4.1141572	0.638225	1.97E-17	5.80E-17
<i>HIST1H4E</i>	4.1082837	0.644568	3.28E-38	2.25E-37
<i>HIST1H2AM</i>	4.102266	-0.42518	2.32E-62	3.10E-61

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>NXPH1</i>	4.0937071	2.919136	2.85E-15	7.58E-15
<i>C1orf105</i>	4.0935619	-1.17724	4.77E-22	1.72E-21
<i>HIST2H2AB</i>	4.0853373	-1.51283	5.07E-25	2.08E-24
<i>IFNL3</i>	4.0836569	-3.26044	1.49E-27	6.81E-27
<i>IVL</i>	4.0809497	0.392772	1.12E-16	3.19E-16
<i>MSLNL</i>	4.0733187	-1.27491	7.29E-30	3.68E-29
<i>CCKBR</i>	4.0653262	0.180554	2.43E-16	6.82E-16
<i>GAL3ST2</i>	4.0592299	0.025599	5.81E-34	3.45E-33
<i>MAGEC1</i>	4.0572836	-0.28955	2.92E-14	7.39E-14
<i>SBK2</i>	4.0524357	-1.94357	2.97E-21	1.04E-20
<i>NKAIN1</i>	4.0509391	5.558319	7.87E-45	6.64E-44
<i>CRISP3</i>	4.0365407	6.107477	2.15E-16	6.05E-16
<i>PKMYT1</i>	4.0332204	4.299486	1.93E-137	9.02E-136
<i>VSTM2A</i>	4.0305531	4.679267	6.59E-13	1.56E-12
<i>BPIFB1</i>	4.0197928	5.510656	1.82E-27	8.28E-27
<i>MEPE</i>	4.0194169	0.109018	2.51E-16	7.03E-16
<i>PGLYRP3</i>	4.0154825	-2.25163	2.98E-12	6.78E-12
<i>CNTNAP2</i>	4.0045981	5.289257	2.71E-39	1.92E-38
<i>SLC5A8</i>	3.997463	3.440613	9.42E-16	2.57E-15
<i>UNC13A</i>	3.9961377	2.219897	1.10E-36	7.14E-36
<i>PRDM13</i>	3.9958625	-2.24182	1.09E-11	2.40E-11
<i>CAPSL</i>	3.9898535	0.415758	3.50E-35	2.16E-34
<i>KREMEN2</i>	3.9885231	1.843539	4.36E-63	5.92E-62
<i>TMEM215</i>	3.984329	-0.89425	8.46E-32	4.62E-31
<i>GPR139</i>	3.9588882	-1.23611	2.82E-15	7.51E-15
<i>KCNH6</i>	3.9449689	-0.71995	4.58E-23	1.72E-22
<i>MSLN</i>	3.9431837	4.802495	3.21E-21	1.12E-20
<i>DQX1</i>	3.9232688	1.232965	4.66E-50	4.51E-49

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>EPO</i>	3.9099044	0.036051	2.61E-28	1.23E-27
<i>PRSS33</i>	3.9039879	0.891649	1.09E-11	2.41E-11
<i>HIST1H2BF</i>	3.8989286	0.053744	2.20E-38	1.52E-37
<i>TGM4</i>	3.8921402	0.50288	2.50E-17	7.34E-17
<i>UGT2B4</i>	3.8920251	3.037676	2.70E-12	6.15E-12
<i>CLDN25</i>	3.8861935	-2.81054	2.16E-27	9.85E-27
<i>ROS1</i>	3.8850951	0.448675	1.82E-18	5.59E-18
<i>TMEM82</i>	3.8822412	-2.26593	2.34E-20	7.82E-20
<i>KIF4A</i>	3.8749776	4.784345	9.84E-139	4.68E-137
<i>MYBL2</i>	3.8710388	5.862946	3.40E-81	6.55E-80
<i>FGF5</i>	3.8592497	-1.58245	4.73E-28	2.21E-27
<i>PITX1</i>	3.8590698	5.065144	8.00E-67	1.18E-65
<i>VAX1</i>	3.8504644	-1.90683	2.27E-11	4.93E-11
<i>SLC6A4</i>	3.847254	3.881045	2.97E-26	1.29E-25
<i>PSAPL1</i>	3.8439528	-1.02798	2.08E-08	3.88E-08
<i>LRRC15</i>	3.8439159	7.1266	1.91E-82	3.75E-81
<i>TMEM145</i>	3.8437561	2.171157	2.83E-47	2.56E-46
<i>PGLYRP4</i>	3.8360419	-0.8427	8.90E-20	2.89E-19
<i>VGF</i>	3.832961	0.76677	5.79E-33	3.30E-32
<i>INA</i>	3.8311529	0.552283	5.81E-20	1.90E-19
<i>LHFPL5</i>	3.8208272	-0.45673	1.37E-34	8.32E-34
<i>IRS4</i>	3.8194149	1.498859	1.28E-10	2.68E-10
<i>NUF2</i>	3.8087768	4.147862	9.54E-118	3.39E-116
<i>GABBR2</i>	3.7901127	1.423566	1.22E-18	3.77E-18
<i>GLYATL3</i>	3.7874747	-0.88015	2.83E-07	4.93E-07
<i>TDO2</i>	3.7850848	2.286074	1.07E-63	1.48E-62
<i>HIST1H3C</i>	3.7731561	-1.8011	1.30E-31	7.07E-31
<i>SCT</i>	3.7719637	-0.56499	1.44E-65	2.09E-64
<i>PRSS1</i>	3.7674805	0.057105	7.76E-14	1.92E-13

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>FAM196A</i>	3.762859	3.84598	1.79E-30	9.30E-30
<i>CXCL11</i>	3.760373	3.864089	4.57E-55	5.06E-54
<i>TMEM151A</i>	3.7567504	-0.96371	4.29E-30	2.19E-29
<i>SOHLH1</i>	3.7436256	-1.93231	1.94E-15	5.21E-15
<i>COL9A1</i>	3.7390226	1.683992	6.48E-16	1.78E-15
<i>IGF2BP1</i>	3.7381467	-0.11052	6.15E-30	3.11E-29
<i>NMU</i>	3.7367887	1.073181	2.25E-32	1.26E-31
<i>IQGAP3</i>	3.7351715	5.305744	8.56E-127	3.46E-125
<i>SPINK4</i>	3.7257334	-0.72329	1.51E-25	6.35E-25
<i>HCN2</i>	3.7255975	0.892709	9.70E-58	1.15E-56
<i>OR56A3</i>	3.7253092	-2.93865	6.97E-10	1.41E-09
<i>TRPM5</i>	3.7246082	-1.51923	1.35E-24	5.45E-24
<i>HIST1H2BE</i>	3.7224179	-1.24781	6.85E-53	7.14E-52
<i>SEZ6</i>	3.7203506	1.479549	6.41E-18	1.93E-17
<i>LIX1</i>	3.7161013	-1.53732	1.58E-26	6.91E-26
<i>GATA5</i>	3.7154208	0.299516	2.14E-17	6.29E-17
<i>EPHA8</i>	3.7071394	0.420608	1.02E-27	4.70E-27
<i>TUBB3</i>	3.7044875	1.942402	1.02E-61	1.34E-60
<i>CCL7</i>	3.6915339	-0.69866	1.79E-24	7.18E-24
<i>HTR1E</i>	3.6710892	-2.46751	1.79E-16	5.04E-16
<i>MELK</i>	3.6696368	4.390357	4.44E-105	1.25E-103
<i>APOBEC4</i>	3.6654472	-2.3275	6.20E-16	1.70E-15
<i>HTR1D</i>	3.644509	0.347401	3.83E-55	4.24E-54
<i>TNNI3</i>	3.6415121	0.801111	2.08E-25	8.70E-25
<i>HIST1H1D</i>	3.6378296	0.554559	2.85E-30	1.47E-29
<i>CXCL10</i>	3.6255098	5.766052	2.00E-53	2.11E-52
<i>AMTN</i>	3.6243149	0.092725	2.30E-13	5.54E-13
<i>SERPINB3</i>	3.623838	0.604102	3.17E-07	5.49E-07

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>SERPINB7</i>	3.6217971	1.217552	1.55E-23	5.96E-23
<i>ASIC5</i>	3.6174451	-3.71494	3.40E-18	1.04E-17
<i>HIST1H2AD</i>	3.6141185	0.811723	2.90E-48	2.69E-47
<i>EMX1</i>	3.613301	1.392321	2.98E-30	1.53E-29
<i>LHX9</i>	3.6107569	-1.37515	3.23E-17	9.43E-17
<i>BIRC5</i>	3.6095554	5.593623	1.01E-91	2.29E-90
<i>TROAP</i>	3.6082415	3.86929	7.97E-113	2.60E-111
<i>TPX2</i>	3.60745	6.297519	7.22E-122	2.70E-120
<i>KIF18B</i>	3.6044621	3.613083	2.13E-104	6.00E-103
<i>HOXC11</i>	3.5958522	3.187827	1.06E-42	8.42E-42
<i>VIL1</i>	3.5918223	-0.23429	2.10E-22	7.70E-22
<i>BPIFB4</i>	3.5905589	-1.59592	4.80E-12	1.08E-11
<i>CYP2A6</i>	3.5895132	5.71599	1.52E-13	3.69E-13
<i>MAGEA11</i>	3.5852433	-1.47791	7.19E-13	1.69E-12
<i>S100A8</i>	3.579513	6.256147	7.65E-21	2.61E-20
<i>ENSG00000274997</i>	3.5771556	-2.00195	4.59E-20	1.51E-19
<i>HIST1H2BL</i>	3.5746164	-1.36819	1.64E-34	9.94E-34
<i>CDC20</i>	3.5735874	5.330325	2.62E-92	6.00E-91
<i>TTR</i>	3.5735406	-1.47732	4.47E-14	1.12E-13
<i>CCDC78</i>	3.5681627	2.964913	3.52E-68	5.37E-67
<i>AOC1</i>	3.566302	2.027948	1.24E-29	6.20E-29
<i>ISG15</i>	3.5659117	6.954037	2.44E-55	2.72E-54
<i>ASPM</i>	3.5653592	5.033877	3.53E-101	9.32E-100
<i>DIO1</i>	3.5641103	3.636374	1.70E-28	8.12E-28
<i>HJURP</i>	3.5596805	3.946204	9.51E-119	3.44E-117
<i>DMRT1</i>	3.5573232	-1.96174	1.96E-14	5.00E-14
<i>SEZ6L</i>	3.5540551	3.449609	8.20E-22	2.92E-21
<i>HIST1H1T</i>	3.5539639	-2.91358	1.35E-30	7.03E-30
<i>WISP1</i>	3.5537057	4.317411	2.04E-107	6.05E-106

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>C11orf86</i>	3.5491606	-1.06454	1.82E-11	3.97E-11
<i>SPRR2D</i>	3.5475786	-0.47542	3.01E-06	4.91E-06
<i>KIF14</i>	3.544271	3.646894	1.00E-93	2.35E-92
<i>TOP2A</i>	3.5411952	7.365687	6.39E-91	1.43E-89
<i>PPP2R2C</i>	3.5392032	4.527827	3.49E-36	2.23E-35
<i>FAM83D</i>	3.5367316	4.259198	2.15E-92	4.93E-91
<i>A2ML1</i>	3.5303846	3.861314	3.09E-21	1.08E-20
<i>OFCC1</i>	3.5274054	-1.85453	3.37E-13	8.07E-13
<i>C2orf54</i>	3.5269225	4.129683	5.78E-27	2.58E-26
<i>HIST1H2BH</i>	3.5182919	0.959406	8.64E-51	8.57E-50
<i>IFITM5</i>	3.5182273	-1.14553	9.22E-13	2.16E-12
<i>C6orf222</i>	3.5177261	-2.8028	1.67E-22	6.15E-22
<i>RAD21L1</i>	3.5073241	-1.66263	3.63E-14	9.14E-14
<i>HAGHL</i>	3.5048154	3.669664	1.95E-88	4.21E-87
<i>FOXM1</i>	3.5005323	5.535286	7.64E-94	1.79E-92
<i>PBK</i>	3.4941858	3.87155	2.87E-109	8.74E-108
<i>CDH7</i>	3.492292	1.016986	1.51E-20	5.10E-20
<i>HIST1H3D</i>	3.4886702	1.228754	5.52E-53	5.76E-52
<i>IL20</i>	3.486274	2.389951	1.06E-25	4.51E-25
<i>CILP2</i>	3.481239	4.047444	6.50E-86	1.36E-84
<i>PSORS1C2</i>	3.479532	0.146396	4.12E-18	1.25E-17
<i>EXO1</i>	3.4747082	3.860925	2.94E-102	7.93E-101
<i>CCDC60</i>	3.4701475	-1.17551	1.77E-16	4.99E-16
<i>PCDH10</i>	3.4659271	3.406018	5.54E-17	1.60E-16
<i>CEP55</i>	3.4650389	4.575039	6.07E-111	1.92E-109
<i>PLK1</i>	3.4576159	4.942108	9.24E-111	2.91E-109
<i>SVOP</i>	3.4510954	-1.16584	8.89E-13	2.08E-12
<i>CYP2A13</i>	3.4464812	-1.17338	2.37E-12	5.43E-12

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>RRM2</i>	3.4462466	5.789649	1.85E-103	5.14E-102
<i>INHBA</i>	3.4355931	6.284377	3.43E-112	1.11E-110
<i>CYP2F1</i>	3.4347475	-1.85611	1.04E-15	2.83E-15
<i>NEIL3</i>	3.4315751	1.836703	1.72E-106	4.98E-105
<i>AURKB</i>	3.4283642	3.782321	2.45E-88	5.26E-87
<i>NPY</i>	3.4213498	-0.78372	6.38E-09	1.22E-08
<i>CDC25C</i>	3.4212472	2.606257	1.02E-127	4.18E-126
<i>KIF20A</i>	3.414135	4.897167	3.22E-111	1.02E-109
<i>EFNA2</i>	3.411069	-2.72552	1.64E-23	6.29E-23
<i>SKA1</i>	3.4090176	3.070539	1.33E-99	3.42E-98
<i>KRTDAP</i>	3.4063592	1.609078	3.76E-13	8.99E-13
<i>ANLN</i>	3.4048897	5.522175	2.62E-98	6.58E-97
<i>KRT2</i>	3.4043914	-1.65699	1.06E-19	3.43E-19
<i>CLVS2</i>	3.4040615	1.015227	4.85E-10	9.89E-10
<i>ZPLD1</i>	3.400571	1.753017	3.10E-23	1.18E-22
<i>COL2A1</i>	3.3982695	6.260137	1.38E-16	3.92E-16
<i>VCX</i>	3.3951024	-2.25481	2.45E-12	5.60E-12
<i>GPR115</i>	3.3926548	-0.17491	1.12E-27	5.14E-27
<i>CLPSL2</i>	3.3889376	0.628154	2.94E-46	2.58E-45
<i>UHRF1</i>	3.3858009	4.452183	2.94E-124	1.15E-122
<i>ITPKA</i>	3.3829939	0.592547	5.99E-54	6.42E-53
<i>RIMS4</i>	3.3806572	4.97561	8.65E-28	4.00E-27
<i>RIIAD1</i>	3.3795734	-0.015	7.56E-40	5.46E-39
<i>ONECUT2</i>	3.3787425	2.001226	4.19E-26	1.80E-25
<i>SCN1A</i>	3.3773564	0.036847	2.05E-12	4.70E-12
<i>CKAP2L</i>	3.3700514	3.618921	1.07E-114	3.62E-113
<i>CNIH2</i>	3.3676138	2.310654	1.19E-78	2.20E-77
<i>GRIA2</i>	3.3643799	4.564683	2.98E-15	7.93E-15
<i>CRISP1</i>	3.3624692	-2.77809	3.53E-13	8.44E-13

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>SOX2</i>	3.3599578	1.19254	3.39E-17	9.88E-17
<i>KIF2C</i>	3.3599355	4.813602	1.66E-102	4.52E-101
<i>KIAA0101</i>	3.3484393	4.275102	8.65E-134	3.85E-132
<i>MYO3B</i>	3.3484274	2.638398	2.54E-24	1.01E-23
<i>MMP9</i>	3.3458204	7.340071	9.05E-35	5.53E-34
<i>IFNB1</i>	3.3437664	-3.62482	6.58E-23	2.47E-22
<i>NAT16</i>	3.3417373	-2.74482	5.95E-19	1.86E-18
<i>TEX15</i>	3.3415506	-0.94862	3.11E-11	6.71E-11
<i>GAD1</i>	3.3401526	1.608995	6.43E-26	2.75E-25
<i>DLGAP5</i>	3.3356291	4.168861	3.60E-107	1.06E-105
<i>CADPS</i>	3.3352442	1.072343	3.83E-33	2.20E-32
<i>KRT37</i>	3.3331654	-1.42499	2.82E-29	1.39E-28
<i>ELAVL3</i>	3.3322125	-0.72016	1.83E-15	4.92E-15
<i>BUB1</i>	3.3271975	4.7612	4.34E-111	1.38E-109
<i>CENPA</i>	3.308081	2.942023	1.06E-85	2.22E-84
<i>TMEM179</i>	3.3074044	0.554599	1.25E-15	3.37E-15
<i>NELL2</i>	3.2998288	5.679236	5.72E-33	3.26E-32
<i>SGOL1</i>	3.2994411	2.657683	3.76E-102	1.01E-100
<i>CENPF</i>	3.2986609	6.848016	2.63E-111	8.39E-110
<i>CLEC5A</i>	3.2940666	2.766499	2.25E-76	4.01E-75
<i>DEPDC1</i>	3.2887474	3.79017	1.07E-85	2.24E-84
<i>LECT1</i>	3.286675	0.123894	1.73E-10	3.60E-10
<i>MISP</i>	3.2796214	5.404319	4.58E-56	5.20E-55
<i>MS4A8</i>	3.2788527	1.047232	3.88E-18	1.18E-17
<i>NAT1</i>	3.2783433	7.108365	1.68E-35	1.05E-34
<i>POU4F1</i>	3.2683887	-1.05897	6.17E-12	1.38E-11
<i>ATP1A3</i>	3.2681951	2.087646	1.21E-36	7.82E-36
<i>AIM1L</i>	3.2618625	1.681693	1.29E-65	1.87E-64

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>GABRD</i>	3.2604365	1.941009	6.13E-103	1.68E-101
<i>UBE2T</i>	3.2587044	4.558047	1.65E-123	6.34E-122
<i>HAO1</i>	3.2525564	-2.227	1.10E-08	2.08E-08
<i>SALL3</i>	3.2517388	-2.13737	2.65E-21	9.26E-21
<i>PTTG1</i>	3.2501319	4.593944	1.36E-106	3.95E-105
<i>TFR2</i>	3.2497421	1.881387	6.61E-61	8.47E-60
<i>ARTN</i>	3.2490777	2.259954	4.40E-58	5.24E-57
<i>FADS6</i>	3.2484729	-1.56932	1.23E-16	3.48E-16
<i>ZNF695</i>	3.2458732	1.337643	3.73E-60	4.71E-59
<i>NDC80</i>	3.2386875	4.019861	5.43E-101	1.43E-99
<i>HHIPL2</i>	3.2379807	1.719763	2.93E-30	1.50E-29
<i>CDH18</i>	3.236179	-0.56911	1.70E-12	3.92E-12
<i>IGFL2</i>	3.2339464	0.858396	3.83E-41	2.90E-40
<i>FCRLB</i>	3.2335951	2.971113	1.49E-28	7.13E-28
<i>RUNDC3A</i>	3.2311144	2.322882	7.66E-25	3.12E-24
<i>FGG</i>	3.2291189	3.495278	4.28E-08	7.82E-08
<i>CTNNA2</i>	3.2268983	0.167257	2.77E-15	7.38E-15
<i>UNC93A</i>	3.2211578	-2.92479	1.81E-14	4.64E-14
<i>CCR8</i>	3.2146456	-0.33211	1.73E-46	1.53E-45
<i>GFY</i>	3.213727	-2.40925	2.03E-13	4.91E-13
<i>MNX1</i>	3.2119444	0.864652	2.22E-30	1.15E-29
<i>KRT3</i>	3.2114059	-2.94964	9.72E-20	3.15E-19
<i>CFHR4</i>	3.2098227	-3.4026	8.34E-10	1.68E-09
<i>CEMIP</i>	3.2093771	4.449241	1.87E-61	2.44E-60
<i>SYNGR3</i>	3.2064441	1.652972	5.70E-61	7.33E-60
<i>RIPPLY3</i>	3.2062042	1.796954	5.89E-57	6.83E-56
<i>NBPF4</i>	3.2055379	1.15981	7.02E-23	2.63E-22
<i>ERVV_1</i>	3.2031223	-1.9906	9.58E-17	2.73E-16
<i>SPRR1B</i>	3.1978404	0.890997	4.75E-07	8.17E-07

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>KIFC1</i>	3.1928938	5.153666	2.96E-109	9.01E-108
<i>NKX2_3</i>	3.19053	-2.42364	5.24E-11	1.12E-10
<i>SPC24</i>	3.1903412	3.52118	9.98E-111	3.14E-109
<i>CDK1</i>	3.1898075	5.531286	2.78E-117	9.69E-116
<i>HIST3H2BB</i>	3.1821104	1.529169	4.19E-46	3.67E-45
<i>CXCL9</i>	3.1776477	6.694854	3.09E-37	2.05E-36
<i>MCM10</i>	3.174869	3.82452	3.13E-75	5.47E-74
<i>SCRT1</i>	3.1736226	-1.24786	6.88E-23	2.58E-22
<i>DMBX1</i>	3.1695407	-0.42669	9.39E-37	6.10E-36
<i>CST9L</i>	3.1691555	-1.20131	3.75E-12	8.48E-12
<i>LPPR5</i>	3.1634953	-1.61488	2.51E-36	1.61E-35
<i>RAB26</i>	3.1585351	3.385602	1.04E-68	1.61E-67
<i>IL17REL</i>	3.1553758	0.077043	7.88E-32	4.31E-31
<i>NBPF6</i>	3.1536781	0.608186	1.71E-22	6.27E-22
<i>AURKA</i>	3.152959	4.693811	7.74E-106	2.23E-104
<i>KLK12</i>	3.1517377	1.525433	2.35E-10	4.87E-10
<i>CAMK2N2</i>	3.1515933	0.051744	1.45E-50	1.43E-49
<i>TGFBR3L</i>	3.1498207	-0.56652	4.61E-37	3.04E-36
<i>CSTL1</i>	3.1486733	-3.02863	2.30E-18	7.04E-18
<i>ZIC3</i>	3.1466968	-2.41211	2.22E-11	4.83E-11
<i>SYNGR4</i>	3.1460853	-1.50154	1.44E-46	1.27E-45
<i>MMP10</i>	3.1453667	2.395615	1.73E-28	8.23E-28
<i>TUBA3E</i>	3.1411875	0.946158	5.04E-22	1.82E-21
<i>AKAP14</i>	3.1408944	-2.18211	3.47E-17	1.01E-16
<i>TCF24</i>	3.1398037	-1.81191	1.90E-17	5.61E-17
<i>CDCA5</i>	3.1304241	4.84449	1.89E-99	4.86E-98
<i>ADAMTS14</i>	3.1249598	2.783043	3.43E-86	7.22E-85
<i>TK1</i>	3.1228621	6.096078	1.54E-100	4.03E-99

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>MKI67</i>	3.1212427	6.693326	2.86E-92	6.51E-91
<i>ENSG00000260234</i>	3.1200103	-2.97981	1.15E-21	4.09E-21
<i>ITLN2</i>	3.1183546	-2.82501	3.72E-13	8.89E-13
<i>PAX7</i>	3.1172283	1.613248	1.76E-09	3.48E-09
<i>COL22A1</i>	3.1167355	3.178241	1.33E-35	8.37E-35
<i>BRINP3</i>	3.1155509	3.422808	2.14E-09	4.22E-09
<i>SKA3</i>	3.113025	3.38058	1.24E-100	3.26E-99
<i>OTOR</i>	3.1081336	-1.30231	3.65E-22	1.32E-21
<i>KLK4</i>	3.1067996	1.726884	1.96E-42	1.54E-41
<i>KCNK9</i>	3.1067924	-1.24331	6.80E-29	3.30E-28
<i>ULBP1</i>	3.1067663	0.782075	3.61E-40	2.64E-39
<i>NCAPG</i>	3.1015654	4.264526	1.54E-100	4.03E-99
<i>CXorf22</i>	3.0989574	0.096634	9.04E-32	4.93E-31
<i>MUC13</i>	3.0978289	0.342122	1.16E-15	3.15E-15
<i>ASF1B</i>	3.0972936	4.759642	2.71E-130	1.15E-128
<i>CDCA3</i>	3.0950219	3.986207	4.46E-97	1.09E-95
<i>S100A7</i>	3.0948398	5.940913	2.56E-09	5.01E-09
<i>FBN2</i>	3.0907448	3.705229	1.97E-44	1.64E-43
<i>RDM1</i>	3.0895983	0.08209	2.65E-82	5.20E-81
<i>NUSAP1</i>	3.0856795	5.496546	2.20E-123	8.38E-122
<i>FAM64A</i>	3.0842076	2.921829	9.16E-81	1.76E-79
<i>CIB3</i>	3.0837803	-0.64372	1.71E-40	1.27E-39
<i>FOXD3</i>	3.0811605	-0.58	2.10E-25	8.78E-25
<i>DTL</i>	3.0810075	4.927645	2.75E-116	9.48E-115
<i>HIST2H2AC</i>	3.0783814	0.650514	8.73E-37	5.69E-36
<i>HMMR</i>	3.0782064	3.933608	9.12E-112	2.95E-110
<i>TBR1</i>	3.0770553	-2.09716	2.28E-13	5.51E-13
<i>CCNB2</i>	3.0769785	4.632488	2.54E-99	6.50E-98
<i>GTSE1</i>	3.0747218	3.674791	1.22E-98	3.08E-97

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>DMRTA2</i>	3.0746611	-1.96398	5.58E-14	1.39E-13
<i>NT5DC4</i>	3.0744606	-1.98823	1.64E-34	9.92E-34
<i>SIX3</i>	3.0740438	1.588413	1.29E-18	3.98E-18
<i>PSG9</i>	3.0720633	-1.68767	8.69E-12	1.93E-11
<i>CNTD2</i>	3.0685144	3.035155	1.36E-44	1.14E-43
<i>HIST1H3G</i>	3.0665563	0.615231	1.38E-30	7.18E-30
<i>ZIC5</i>	3.0663889	-0.66588	8.85E-11	1.87E-10
<i>SOX11</i>	3.0611165	4.053435	2.46E-26	1.07E-25
<i>CDCA8</i>	3.0610316	4.541371	3.17E-102	8.54E-101
<i>MALRD1</i>	3.0598063	2.740396	1.33E-17	3.96E-17
<i>ZNF716</i>	3.0589417	-2.45475	2.57E-09	5.03E-09
<i>IL36RN</i>	3.0556803	-1.73014	2.40E-13	5.79E-13
<i>SSTR5</i>	3.05402	-2.78988	1.07E-11	2.37E-11
<i>CLPSL1</i>	3.051064	1.465602	4.13E-30	2.10E-29
<i>KCNH1</i>	3.0467154	1.585932	7.42E-32	4.06E-31
<i>DYDC1</i>	3.0430371	-3.13315	9.02E-20	2.93E-19
<i>IRG1</i>	3.0424519	-3.39941	7.24E-20	2.36E-19
<i>HRH3</i>	3.0407376	-1.85815	4.46E-14	1.12E-13
<i>CDC6</i>	3.0381471	4.93392	3.52E-66	5.16E-65
<i>HSD17B6</i>	3.027632	2.42319	4.45E-135	2.00E-133
<i>CLPS</i>	3.0189662	-1.23155	1.16E-26	5.12E-26
<i>NGB</i>	3.009205	-2.22472	1.90E-15	5.08E-15
<i>IFNL1</i>	3.0007677	-2.45393	7.44E-23	2.78E-22
<i>HOXC13</i>	2.9978246	3.526575	2.31E-45	1.98E-44
<i>FOXD1</i>	2.9933174	0.832949	1.59E-25	6.66E-25
<i>SYT1</i>	2.9921364	5.217616	2.78E-24	1.10E-23
<i>BUB1B</i>	2.9887354	4.340553	4.66E-107	1.37E-105
<i>NEU4</i>	2.9877034	-0.09792	3.12E-20	1.04E-19

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>ESM1</i>	2.9876078	3.424591	1.12E-86	2.38E-85
<i>KCNJ6</i>	2.9835207	0.259218	1.91E-27	8.69E-27
<i>GDF9</i>	2.981166	3.038154	9.06E-23	3.37E-22
<i>DEPDC1B</i>	2.9766497	2.685176	3.02E-94	7.14E-93
<i>LAMP5</i>	2.9747543	3.90645	5.92E-64	8.24E-63
<i>NPBWR1</i>	2.9739299	-2.80678	1.66E-13	4.04E-13
<i>CD1A</i>	2.9732739	0.865965	4.57E-23	1.72E-22
<i>FAM72D</i>	2.9666032	-0.47776	4.08E-61	5.27E-60
<i>PCSK1N</i>	2.9645086	2.247959	9.60E-20	3.11E-19
<i>CDCA2</i>	2.9619846	3.296118	1.69E-70	2.72E-69
<i>ZBBX</i>	2.9618977	-1.4736	2.64E-19	8.41E-19
<i>CARD17</i>	2.9599178	-2.35443	1.39E-24	5.60E-24
<i>TNFRSF18</i>	2.9597413	3.242169	1.76E-51	1.78E-50
<i>RET</i>	2.9593165	6.111499	5.46E-34	3.25E-33
<i>ZIC2</i>	2.9587617	1.297709	2.38E-19	7.61E-19
<i>GRM8</i>	2.9577982	-0.18789	2.90E-68	4.44E-67
<i>NKX3_2</i>	2.9570624	0.259745	2.01E-47	1.82E-46
<i>NKX2_5</i>	2.9474209	0.064543	3.49E-11	7.51E-11
<i>PAX1</i>	2.9455689	0.07854	5.49E-21	1.89E-20
<i>CDKN3</i>	2.944302	3.365767	1.69E-110	5.29E-109
<i>CA10</i>	2.9442749	-0.72595	1.44E-08	2.71E-08
<i>SLURP1</i>	2.9416829	-0.58243	8.32E-15	2.16E-14
<i>CDC45</i>	2.9374272	3.456632	3.57E-84	7.25E-83
<i>KLHDC7B</i>	2.9372844	4.362252	2.33E-26	1.01E-25
<i>TUBA3D</i>	2.9331237	2.776668	1.84E-24	7.35E-24
<i>PCSK2</i>	2.9288819	1.475416	2.14E-09	4.22E-09
<i>GNG3</i>	2.9286012	-0.25776	7.64E-30	3.85E-29
<i>ENSG00000146197</i>	2.9272994	4.508129	4.81E-35	2.96E-34
<i>KRT24</i>	2.9271452	-0.29963	1.81E-10	3.77E-10

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>TMPRSS4</i>	2.9252433	3.103103	2.42E-19	7.72E-19
<i>TNR</i>	2.9244453	0.687602	6.52E-28	3.03E-27
<i>IFI6</i>	2.9230645	8.570212	1.40E-45	1.21E-44
<i>CHRNA4</i>	2.9213016	-1.54386	3.75E-11	8.07E-11
<i>GPRIN1</i>	2.9209861	3.362501	3.48E-100	9.06E-99
<i>HES6</i>	2.9195511	3.241198	5.64E-65	8.05E-64
<i>E2F7</i>	2.9185308	2.494833	7.96E-73	1.33E-71
<i>CTXN1</i>	2.9127308	4.679813	1.28E-79	2.40E-78
<i>TFF1</i>	2.9092841	7.682038	8.86E-16	2.42E-15
<i>FSD1</i>	2.9079633	-0.25168	1.90E-25	7.94E-25
<i>GDPD2</i>	2.9066671	0.195684	1.91E-24	7.64E-24
<i>CLSPN</i>	2.9046224	3.036173	2.57E-79	4.81E-78
<i>IGFALS</i>	2.9027917	2.187415	7.53E-31	3.97E-30
<i>PADI3</i>	2.9023478	1.463845	4.83E-16	1.33E-15
<i>TTK</i>	2.9021735	4.030685	1.29E-79	2.43E-78
<i>HIST2H4A</i>	2.9009098	-0.7162	6.29E-49	5.92E-48
<i>CCNA2</i>	2.900081	4.619125	2.02E-91	4.57E-90
<i>FAM57B</i>	2.9000341	1.248184	5.60E-39	3.93E-38
<i>PRLH</i>	2.8988945	-3.20477	2.43E-23	9.23E-23
<i>MUC5B</i>	2.8986056	6.549274	4.86E-20	1.60E-19
<i>MKRN3</i>	2.8981769	0.614564	1.28E-17	3.80E-17
<i>WDR38</i>	2.8963754	-1.28729	2.65E-21	9.26E-21
<i>ARMC3</i>	2.8960061	1.449234	1.83E-35	1.14E-34
<i>FAM83A</i>	2.8954736	3.069346	1.92E-20	6.44E-20
<i>ARL14</i>	2.8925337	-2.92837	1.86E-14	4.75E-14
<i>FN1</i>	2.8896091	12.22124	2.72E-77	4.92E-76
<i>BRSK2</i>	2.8893806	1.470608	4.44E-30	2.26E-29
<i>F12</i>	2.8863104	3.172921	5.94E-65	8.49E-64

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CALHM1</i>	2.8846796	-1.48003	9.04E-28	4.18E-27
<i>HS6ST3</i>	2.8833631	3.664103	8.58E-25	3.49E-24
<i>ERCC6L</i>	2.8811993	2.825744	9.72E-103	2.67E-101
<i>C16orf59</i>	2.8765774	2.946628	3.47E-109	1.05E-107
<i>ASCL4</i>	2.8747572	-1.88115	8.02E-18	2.41E-17
<i>MATN3</i>	2.8743869	4.743913	3.07E-59	3.78E-58
<i>SHH</i>	2.8720611	-1.17742	1.46E-17	4.33E-17
<i>UMODL1</i>	2.8689505	0.761524	3.53E-33	2.03E-32
<i>MTFR2</i>	2.866889	2.034397	2.80E-86	5.91E-85
<i>S100A9</i>	2.8628313	7.488531	6.37E-18	1.92E-17
<i>SYNDIG1</i>	2.8591972	2.921046	7.14E-53	7.44E-52
<i>SCG2</i>	2.8589264	3.237286	1.79E-22	6.59E-22
<i>GNG4</i>	2.8584281	3.497106	5.27E-22	1.90E-21
<i>ENTHD1</i>	2.8577801	-1.30272	6.25E-41	4.69E-40
<i>CASC5</i>	2.8573697	3.884987	1.32E-101	3.50E-100
<i>CENPM</i>	2.8502874	3.172393	2.80E-93	6.48E-92
<i>LKAAEAR1</i>	2.849142	-2.49394	3.68E-29	1.81E-28
<i>GPR6</i>	2.8481743	-2.62119	2.09E-09	4.11E-09
<i>CCDC185</i>	2.8478677	-2.18121	2.08E-24	8.30E-24
<i>SPC25</i>	2.8456441	2.886919	1.24E-131	5.41E-130
<i>BEX1</i>	2.8428605	3.772502	8.50E-13	1.99E-12
<i>SPAG5</i>	2.8428481	5.196114	2.97E-97	7.32E-96
<i>FAM111B</i>	2.8426795	4.665044	1.12E-73	1.90E-72
<i>FAM216B</i>	2.8422671	-2.39957	3.19E-15	8.47E-15
<i>OPRD1</i>	2.8422534	1.70197	2.33E-28	1.11E-27
<i>SLC18A1</i>	2.8380958	-1.39498	7.79E-16	2.13E-15
<i>ELFN2</i>	2.8379892	0.660289	9.37E-23	3.48E-22
<i>RECQL4</i>	2.8361439	4.900213	1.55E-90	3.45E-89
<i>LGALS9B</i>	2.8356215	-1.11756	1.09E-20	3.71E-20

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CCNE1</i>	2.8353672	3.154711	4.15E-45	3.53E-44
<i>KIF26B</i>	2.8350851	5.152525	1.89E-80	3.60E-79
<i>COX6C</i>	2.8341927	9.229103	1.44E-52	1.49E-51
<i>F7</i>	2.8322268	3.064901	1.90E-28	9.07E-28
<i>SALL4</i>	2.8294801	1.055785	1.86E-72	3.09E-71
<i>KCNG3</i>	2.8241975	-0.77349	5.48E-35	3.37E-34
<i>RAD54L</i>	2.823505	2.903333	4.37E-84	8.87E-83
<i>NCAPH</i>	2.8206994	4.008964	2.49E-95	5.98E-94
<i>TERT</i>	2.8192693	-0.88124	2.23E-30	1.15E-29
<i>GCNT3</i>	2.8189882	0.683211	3.60E-20	1.19E-19
<i>NTNG1</i>	2.8178511	2.233255	3.83E-16	1.06E-15
<i>C19orf33</i>	2.8170929	4.173668	2.94E-31	1.57E-30
<i>DLL3</i>	2.8109111	-0.46532	2.29E-21	8.01E-21
<i>NKX6_1</i>	2.806846	1.195105	9.26E-30	4.65E-29
<i>ADAMDEC1</i>	2.7991369	3.222372	5.47E-33	3.12E-32
<i>CDKN2A</i>	2.7987594	4.395499	2.68E-39	1.90E-38
<i>PRR11</i>	2.798636	4.451813	3.82E-56	4.34E-55
<i>LRFN2</i>	2.798512	0.003748	3.79E-38	2.59E-37
<i>JAKMIP1</i>	2.7927949	0.945862	7.27E-45	6.14E-44
<i>SLITRK1</i>	2.7895579	0.238643	3.41E-09	6.63E-09
<i>FGB</i>	2.7867587	3.85177	1.17E-06	1.97E-06
<i>CLDN9</i>	2.7859278	0.820102	4.30E-32	2.37E-31
<i>TMEM190</i>	2.7848332	-1.88844	3.02E-32	1.68E-31
<i>PEX5L</i>	2.7830851	2.456777	1.53E-19	4.90E-19
<i>SNTN</i>	2.7810232	-1.11708	4.94E-19	1.55E-18
<i>PAPL</i>	2.7803657	-1.1577	5.44E-17	1.57E-16
<i>C4orf51</i>	2.7790141	-2.42735	1.63E-15	4.39E-15
<i>ESPL1</i>	2.771852	4.240301	2.85E-92	6.49E-91

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>STXBP5L</i>	2.7695944	-0.70803	3.80E-18	1.15E-17
<i>MAPK8IP2</i>	2.7676107	5.08521	5.80E-50	5.61E-49
<i>AMER2</i>	2.7675797	-0.92556	5.46E-09	1.05E-08
<i>CCDC64</i>	2.7671637	4.614178	1.46E-105	4.19E-104
<i>CDSN</i>	2.7550198	-0.36222	1.72E-16	4.84E-16
<i>KISS1</i>	2.7469816	-1.50923	5.91E-29	2.88E-28
<i>MT3</i>	2.7446253	-1.81112	5.79E-17	1.67E-16
<i>AMH</i>	2.7437028	1.188888	3.99E-32	2.21E-31
<i>ESCO2</i>	2.7435771	2.933644	7.00E-90	1.54E-88
<i>ROBO2</i>	2.7422735	3.677128	5.03E-19	1.58E-18
<i>CLEC6A</i>	2.7414545	-2.54402	2.30E-19	7.35E-19
<i>CAPN9</i>	2.7409044	3.109743	4.84E-36	3.07E-35
<i>MCIDAS</i>	2.737798	1.011928	6.97E-25	2.85E-24
<i>FSIP1</i>	2.7373485	4.20106	3.70E-29	1.82E-28
<i>PACSIN1</i>	2.7328409	2.234485	2.10E-75	3.68E-74
<i>LYPD4</i>	2.7312449	-2.62074	1.30E-11	2.86E-11
<i>FAM72C</i>	2.7302359	-1.50118	1.08E-38	7.51E-38
<i>HIST2H2BF</i>	2.7293994	1.83037	5.83E-38	3.96E-37
<i>MAPK15</i>	2.7291674	4.050232	5.61E-38	3.81E-37
<i>LYPD8</i>	2.7291229	-0.04092	7.27E-17	2.09E-16
<i>PNMA5</i>	2.72889	-0.61448	8.72E-12	1.94E-11
<i>HIST1H2BC</i>	2.7282156	3.048924	8.54E-44	6.99E-43
<i>CBX2</i>	2.7246784	4.686665	2.35E-43	1.90E-42
<i>CFAP45</i>	2.724076	2.622054	2.37E-60	3.00E-59
<i>HIST1H2BD</i>	2.7217597	5.43301	9.51E-66	1.38E-64
<i>MND1</i>	2.7202237	2.022428	5.07E-71	8.26E-70
<i>PLA2G2F</i>	2.7168835	-2.85027	1.02E-14	2.64E-14
<i>C1orf94</i>	2.7166739	-2.16182	1.75E-07	3.08E-07
<i>GSTA3</i>	2.7157345	-0.87819	4.03E-11	8.66E-11

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>SAMD11</i>	2.7152341	3.056375	1.86E-33	1.08E-32
<i>ENTPD8</i>	2.7145393	2.053085	1.54E-30	8.03E-30
<i>RDH16</i>	2.7123433	1.769835	3.88E-36	2.47E-35
<i>IL4I1</i>	2.7116912	3.479872	4.63E-57	5.39E-56
<i>TNFRSF9</i>	2.7093133	1.760212	6.54E-50	6.30E-49
<i>PYY</i>	2.7080166	0.211865	8.89E-22	3.16E-21
<i>HSH2D</i>	2.7079387	4.394554	3.40E-48	3.14E-47
<i>HTR3A</i>	2.7069838	-0.6121	4.97E-14	1.24E-13
<i>GP2</i>	2.702112	5.476546	1.49E-14	3.81E-14
<i>S100A14</i>	2.7009044	7.76147	3.75E-47	3.38E-46
<i>VSTM2L</i>	2.7004444	2.555976	1.59E-25	6.68E-25
<i>RHBG</i>	2.6992317	0.385855	3.78E-34	2.26E-33
<i>KIAA1211</i>	2.6983216	2.742321	1.14E-49	1.09E-48
<i>AMZ1</i>	2.6971207	2.158597	7.52E-37	4.92E-36
<i>RMI2</i>	2.6962968	4.097904	8.40E-97	2.05E-95
<i>RAMP1</i>	2.693353	4.285059	3.44E-34	2.06E-33
<i>TRIM15</i>	2.6903092	-2.85881	5.76E-12	1.29E-11
<i>CXCL17</i>	2.6900947	4.785338	8.06E-17	2.31E-16
<i>CKS2</i>	2.6892351	5.064424	2.07E-112	6.71E-111
<i>UPK1A</i>	2.6888695	0.956523	9.69E-17	2.76E-16
<i>E2F1</i>	2.6885275	4.540814	2.60E-83	5.18E-82
<i>E2F8</i>	2.6884582	2.728615	2.29E-55	2.56E-54
<i>CALML5</i>	2.6862652	6.325344	6.82E-14	1.69E-13
<i>DMRTC2</i>	2.6858248	-1.28992	4.75E-11	1.02E-10
<i>HMX3</i>	2.6839158	-2.69749	4.58E-09	8.84E-09
<i>PRC1</i>	2.6837674	5.808422	6.48E-99	1.65E-97
<i>SLC8A2</i>	2.6794183	0.887727	5.72E-21	1.97E-20
<i>HIST1H4H</i>	2.6778141	3.059591	1.17E-37	7.87E-37

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>SERPINA9</i>	2.6738343	0.174219	2.40E-21	8.41E-21
<i>CLGN</i>	2.6727857	4.342227	1.40E-32	7.86E-32
<i>MOG</i>	2.6725015	-1.21283	2.58E-09	5.05E-09
<i>KIF23</i>	2.6655318	4.819919	1.52E-102	4.15E-101
<i>USP41</i>	2.6647467	-1.65918	7.17E-23	2.68E-22
<i>TRIML2</i>	2.6642284	-2.28644	7.69E-15	2.00E-14
<i>CST6</i>	2.6637708	2.050618	2.85E-30	1.46E-29
<i>NPHS1</i>	2.6636521	-1.47851	5.73E-20	1.88E-19
<i>HOXB9</i>	2.6614621	1.434056	8.75E-31	4.60E-30
<i>ELAVL2</i>	2.6609943	1.804905	1.12E-33	6.55E-33
<i>APLP1</i>	2.6582163	3.936081	1.28E-31	6.94E-31
<i>HMGA2</i>	2.6578273	0.066995	1.27E-24	5.13E-24
<i>FDCSP</i>	2.6530867	7.458842	1.68E-08	3.15E-08
<i>CACNA1B</i>	2.6526706	0.246236	2.27E-21	7.96E-21
<i>IGF2BP3</i>	2.6511664	0.187041	1.06E-17	3.16E-17
<i>RHBDL1</i>	2.6511319	2.197846	3.25E-48	3.00E-47
<i>IL17C</i>	2.6507782	-3.04081	1.10E-19	3.57E-19
<i>EME1</i>	2.6495025	2.446786	2.04E-76	3.64E-75
<i>KCNE4</i>	2.6483535	6.294648	2.20E-29	1.09E-28
<i>LYZL2</i>	2.6483065	-2.57625	1.88E-12	4.32E-12
<i>CENPE</i>	2.648005	4.355108	3.17E-85	6.52E-84
<i>POLQ</i>	2.6478471	3.105565	6.13E-82	1.19E-80
<i>IL21R</i>	2.6468161	2.333943	5.91E-57	6.85E-56
<i>TRPM8</i>	2.6437831	0.668415	6.92E-14	1.71E-13
<i>PRMT8</i>	2.6391151	-1.40842	2.69E-16	7.53E-16
<i>SHCBP1</i>	2.637696	3.613647	1.67E-85	3.46E-84
<i>SLC7A5</i>	2.6325632	7.017351	3.14E-44	2.61E-43
<i>CPNE7</i>	2.6316384	3.310882	7.84E-37	5.12E-36
<i>CST9</i>	2.6296064	3.892413	1.27E-08	2.40E-08

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>TFF3</i>	2.6271135	8.070318	1.06E-19	3.45E-19
<i>MAGEA8</i>	2.6244345	-0.52749	7.70E-15	2.00E-14
<i>ZWINT</i>	2.6200764	5.400588	1.03E-111	3.33E-110
<i>NEURL1</i>	2.619821	3.909112	3.10E-25	1.28E-24
<i>E2F2</i>	2.6173397	3.443652	6.00E-65	8.56E-64
<i>HIST1H2BJ</i>	2.6155838	1.860689	9.41E-43	7.47E-42
<i>SHISA8</i>	2.6152783	-2.08962	3.99E-23	1.51E-22
<i>RAD51</i>	2.6148176	3.317196	1.73E-99	4.45E-98
<i>PAQR4</i>	2.6143926	5.112732	5.65E-103	1.56E-101
<i>TMEM249</i>	2.6143414	-1.54676	3.03E-36	1.94E-35
<i>TMEM92</i>	2.614168	0.43548	6.99E-44	5.74E-43
<i>PNCK</i>	2.6129123	1.368846	6.51E-30	3.30E-29
<i>APOBEC3B</i>	2.6127569	3.462161	3.46E-41	2.62E-40
<i>GAL</i>	2.6121665	1.834521	8.59E-21	2.93E-20
<i>AKR7A3</i>	2.6052217	4.766405	7.60E-27	3.38E-26
<i>CCNB1</i>	2.6046037	5.697473	2.32E-115	7.95E-114
<i>POTEJ</i>	2.6015532	-1.72072	3.39E-15	8.98E-15
<i>TRIP13</i>	2.6012846	4.381222	1.62E-78	2.99E-77
<i>GCGR</i>	2.595912	-2.38138	3.92E-15	1.03E-14
<i>ZNF280A</i>	2.5927442	-3.02131	1.81E-09	3.58E-09
<i>MC5R</i>	2.5924669	-2.86211	1.36E-12	3.15E-12
<i>C1orf167</i>	2.5922165	-0.8621	2.57E-16	7.18E-16
<i>SOX3</i>	2.5900245	-2.66851	5.96E-09	1.14E-08
<i>SLC44A4</i>	2.5887054	7.000235	1.67E-34	1.01E-33
<i>CDH2</i>	2.5872917	3.659217	3.46E-27	1.56E-26
<i>SLITRK6</i>	2.5866567	6.402549	4.75E-17	1.38E-16
<i>RALYL</i>	2.5828413	-1.1305	2.33E-07	4.07E-07
<i>ORC6</i>	2.5809957	2.997198	1.15E-67	1.73E-66

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>ERMN</i>	2.5809681	1.040853	4.62E-41	3.47E-40
<i>HTR2C</i>	2.5788973	-2.26381	1.60E-07	2.82E-07
<i>DLX5</i>	2.5786432	1.424901	1.06E-26	4.69E-26
<i>FAM135B</i>	2.5784615	1.68676	2.51E-16	7.02E-16
<i>KIF15</i>	2.5772859	3.634422	1.70E-83	3.39E-82
<i>PNMT</i>	2.5749927	3.518928	1.77E-12	4.08E-12
<i>CFB</i>	2.5744343	5.906559	1.34E-39	9.64E-39
<i>LHFPL4</i>	2.5713016	-0.28656	7.05E-12	1.57E-11
<i>TMPRSS6</i>	2.5703969	3.184905	8.36E-23	3.12E-22
<i>OTX1</i>	2.566356	2.048877	6.50E-36	4.11E-35
<i>KCNF1</i>	2.5630319	3.156482	1.33E-19	4.29E-19
<i>ZMYND10</i>	2.5624957	3.885097	7.31E-42	5.65E-41
<i>DEGS2</i>	2.5624285	6.252715	2.29E-37	1.52E-36
<i>UBE2S</i>	2.5610465	4.557898	3.99E-83	7.92E-82
<i>SMIM22</i>	2.5609082	5.712262	2.96E-46	2.59E-45
<i>MUC1</i>	2.5595567	9.158421	1.26E-42	9.94E-42
<i>MUC21</i>	2.5594928	-0.91572	8.39E-08	1.51E-07
<i>PAX2</i>	2.5524574	1.031055	4.95E-19	1.56E-18
<i>GBP5</i>	2.5518604	4.847339	3.35E-33	1.93E-32
<i>KIF11</i>	2.54635	5.308765	3.57E-103	9.84E-102
<i>KCNK15</i>	2.5462676	4.105952	5.48E-34	3.25E-33
<i>EDN2</i>	2.5456743	2.890383	6.03E-34	3.57E-33
<i>MMP12</i>	2.5409546	2.833782	5.36E-18	1.62E-17
<i>COL6A5</i>	2.5397665	-1.6819	2.27E-17	6.68E-17
<i>LGALS9C</i>	2.53931	-0.88703	2.40E-21	8.41E-21
<i>LINGO1</i>	2.536562	4.598834	6.53E-40	4.74E-39
<i>FGA</i>	2.5362807	2.107477	0.0001163	0.00017183
<i>NOTUM</i>	2.5347163	0.152254	6.60E-25	2.70E-24
<i>ZBED2</i>	2.5345437	0.302558	1.05E-27	4.85E-27

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>OTP</i>	2.5342419	-3.30991	1.88E-15	5.04E-15
<i>PROC</i>	2.53353	-0.12857	1.81E-75	3.18E-74
<i>CELSR3</i>	2.5308246	4.001733	1.31E-47	1.19E-46
<i>FEZF1</i>	2.5295717	-2.98386	2.61E-10	5.38E-10
<i>GIN51</i>	2.5274488	4.291184	3.65E-98	9.16E-97
<i>HUS1B</i>	2.5246806	-0.7878	1.98E-17	5.83E-17
<i>CYP2W1</i>	2.5215345	-2.19728	5.82E-15	1.52E-14
<i>GLDC</i>	2.5210335	3.021473	2.13E-17	6.27E-17
<i>PAFAH1B3</i>	2.5191284	5.963251	4.36E-114	1.46E-112
<i>CDT1</i>	2.5147456	4.132211	7.23E-66	1.05E-64
<i>SLC16A6</i>	2.5136793	5.39471	6.53E-30	3.31E-29
<i>HOXC10</i>	2.508749	5.308587	7.18E-34	4.24E-33
<i>TPSG1</i>	2.508191	1.918694	3.52E-16	9.79E-16
<i>C6orf118</i>	2.5060309	-2.54918	1.25E-10	2.62E-10
<i>IGFBPL1</i>	2.5051374	-0.77843	2.10E-24	8.36E-24
<i>MAGEB1</i>	2.5010315	-2.12246	2.82E-06	4.60E-06
<i>PLEKHD1</i>	2.4991215	2.513464	2.12E-27	9.67E-27
<i>SPIB</i>	2.4988461	2.637598	5.43E-17	1.57E-16
<i>NR5A1</i>	2.4976786	-1.42544	6.00E-09	1.15E-08
<i>ISL2</i>	2.4943227	-1.95644	1.21E-14	3.11E-14
<i>CCNO</i>	2.4920577	3.725056	2.25E-24	8.94E-24
<i>APOA1</i>	2.4894303	-1.03013	6.79E-22	2.43E-21
<i>SLC5A5</i>	2.4890123	-0.20831	6.17E-18	1.86E-17
<i>EDDM3B</i>	2.4890071	-1.28431	2.78E-10	5.73E-10
<i>HIST1H4K</i>	2.4882144	-1.53745	4.87E-37	3.20E-36
<i>TSPAN1</i>	2.4880704	6.63794	7.99E-29	3.86E-28
<i>SPAG6</i>	2.4870798	2.66052	1.60E-11	3.51E-11
<i>CTAG2</i>	2.4868566	-0.88427	0.0002478	0.00035809

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CCL20</i>	2.4861921	0.529048	1.34E-23	5.13E-23
<i>LMNB1</i>	2.4852167	5.959587	1.64E-103	4.56E-102
<i>BCAS1</i>	2.4827173	5.45645	6.15E-26	2.63E-25
<i>DRC7</i>	2.4806708	-1.57367	4.79E-21	1.66E-20
<i>TLCD1</i>	2.480604	3.762602	5.63E-73	9.42E-72
<i>KRT78</i>	2.4787979	-1.84508	7.99E-08	1.44E-07
<i>SPEF1</i>	2.4772734	1.521409	4.89E-38	3.33E-37
<i>NXPH4</i>	2.4756231	2.842893	1.66E-25	6.94E-25
<i>P4HA3</i>	2.4755515	3.31024	3.33E-73	5.59E-72
<i>DPEP1</i>	2.4713507	0.660481	2.30E-45	1.97E-44
<i>OIP5</i>	2.4710421	1.705132	1.53E-96	3.72E-95
<i>KIAA0319</i>	2.4690223	0.819696	5.38E-22	1.94E-21
<i>BARX1</i>	2.4678842	0.897082	2.20E-14	5.60E-14
<i>ZIC1</i>	2.4671132	2.081382	7.29E-13	1.72E-12
<i>DNAAF3</i>	2.4667697	1.957289	1.68E-39	1.21E-38
<i>HMGB3</i>	2.4652668	6.349948	1.93E-76	3.44E-75
<i>MLC1</i>	2.4629637	1.63144	1.56E-14	4.00E-14
<i>SLIT1</i>	2.4621172	2.567784	3.19E-15	8.47E-15
<i>KIF18A</i>	2.4596491	3.149571	7.26E-78	1.33E-76
<i>CCNE2</i>	2.4584123	3.139931	4.18E-68	6.36E-67
<i>AGR2</i>	2.4550445	9.215433	1.13E-22	4.17E-22
<i>GPR158</i>	2.452801	1.471159	1.05E-20	3.55E-20
<i>JPH3</i>	2.452114	0.698943	2.31E-26	1.01E-25
<i>CTHRC1</i>	2.4472071	6.557418	2.82E-82	5.52E-81
<i>CACNG4</i>	2.4456134	6.56745	5.56E-29	2.71E-28
<i>C1orf158</i>	2.4455592	-2.3047	1.49E-10	3.12E-10
<i>SLC4A10</i>	2.4453672	1.16427	6.69E-13	1.58E-12
<i>FGFR3</i>	2.4452561	5.016323	2.44E-31	1.31E-30
<i>COL9A3</i>	2.4446429	4.032096	3.70E-18	1.13E-17

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>HIST1H4J</i>	2.4404131	-1.93166	7.82E-36	4.94E-35
<i>SPERT</i>	2.4393615	-2.14127	3.06E-11	6.62E-11
<i>KRTAP3_1</i>	2.4393017	-3.24976	1.53E-11	3.37E-11
<i>REG4</i>	2.4359654	-2.37274	3.84E-16	1.07E-15
<i>FAM72A</i>	2.4353875	0.566868	2.46E-63	3.37E-62
<i>NEUROD2</i>	2.433289	-0.92914	2.63E-10	5.43E-10
<i>BMP8A</i>	2.4320092	0.417283	5.33E-75	9.24E-74
<i>KRT81</i>	2.4317547	6.386649	1.64E-11	3.59E-11
<i>GDF15</i>	2.4259094	4.47005	4.94E-29	2.41E-28
<i>FBXO43</i>	2.4258377	0.30893	7.13E-69	1.11E-67
<i>NTS</i>	2.4211622	4.800099	2.18E-05	3.37E-05
<i>METRN</i>	2.4205771	5.815244	6.87E-48	6.29E-47
<i>PRR15</i>	2.4198246	5.258549	6.22E-36	3.94E-35
<i>NLRP7</i>	2.4158762	-0.70514	4.82E-16	1.33E-15
<i>DLX6</i>	2.4157491	-0.4384	3.13E-12	7.11E-12
<i>RUFY4</i>	2.4124186	0.419306	4.57E-28	2.14E-27
<i>HIST1H2BG</i>	2.4107112	2.720266	3.73E-30	1.90E-29
<i>SLC17A8</i>	2.4092592	-2.50566	2.63E-10	5.43E-10
<i>B4GALNT2</i>	2.4066813	2.423694	2.22E-12	5.08E-12
<i>CENPU</i>	2.4065678	4.664997	9.70E-92	2.20E-90
<i>LRRC31</i>	2.4063943	2.648082	5.28E-13	1.25E-12
<i>KCNJ10</i>	2.4059878	0.353	5.41E-37	3.55E-36
<i>GPRC5A</i>	2.4044978	8.430332	8.93E-54	9.54E-53
<i>FCAMR</i>	2.4035866	-1.11293	5.07E-11	1.08E-10
<i>STMND1</i>	2.4024417	3.447931	7.03E-22	2.52E-21
<i>LY6H</i>	2.3993579	-0.14255	3.69E-32	2.04E-31
<i>PYCR1</i>	2.3959615	6.696488	3.14E-105	8.92E-104
<i>PSCA</i>	2.394791	3.652549	1.65E-15	4.45E-15

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>OASL</i>	2.3935647	4.371497	4.27E-39	3.01E-38
<i>SRMS</i>	2.392246	2.496486	4.84E-46	4.22E-45
<i>AGR3</i>	2.3890102	6.811216	1.00E-18	3.11E-18
<i>CACNA1H</i>	2.3882036	5.3691	1.48E-24	5.95E-24
<i>KCNG1</i>	2.3836842	2.539359	1.08E-15	2.92E-15
<i>PIF1</i>	2.3819621	1.735507	7.03E-51	6.99E-50
<i>PAH</i>	2.379457	1.134493	8.10E-15	2.10E-14
<i>PLA2G4D</i>	2.3787055	-1.31326	3.31E-24	1.31E-23
<i>TACC3</i>	2.3777661	5.581312	1.04E-99	2.69E-98
<i>KRT6A</i>	2.3774219	5.389276	2.21E-08	4.10E-08
<i>RCOR2</i>	2.3728585	2.690575	1.76E-30	9.14E-30
<i>PIH1D3</i>	2.3716962	-3.11511	2.47E-13	5.96E-13
<i>MFAP2</i>	2.370405	5.449636	1.27E-68	1.97E-67
<i>SIX2</i>	2.3665322	3.224101	9.30E-29	4.48E-28
<i>FAM72B</i>	2.3662916	0.376049	2.46E-51	2.47E-50
<i>C12orf56</i>	2.3656061	-1.18439	2.67E-12	6.10E-12
<i>ZG16</i>	2.3644632	-2.36939	4.11E-10	8.41E-10
<i>SERPINA6</i>	2.3616785	5.556801	7.03E-07	1.20E-06
<i>ATP2B3</i>	2.3605703	-2.03248	6.78E-12	1.52E-11
<i>KRT31</i>	2.3600309	0.072523	1.51E-10	3.15E-10
<i>KCNH2</i>	2.3581956	2.502425	8.51E-23	3.17E-22
<i>ZAN</i>	2.3572337	-1.40941	2.37E-19	7.57E-19
<i>BGN</i>	2.3564899	9.565368	1.41E-82	2.79E-81
<i>RGS8</i>	2.3557986	-1.2359	6.65E-28	3.09E-27
<i>GPR19</i>	2.3556941	0.840471	7.34E-47	6.52E-46
<i>PPM1E</i>	2.3556578	1.714609	2.95E-25	1.22E-24
<i>DOK7</i>	2.3518843	3.326416	2.13E-23	8.11E-23
<i>TUBB4A</i>	2.3502939	0.918222	1.78E-16	5.02E-16
<i>RNASE10</i>	2.3499083	-2.61325	1.40E-23	5.39E-23

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>SQLE</i>	2.3497883	6.725301	1.23E-68	1.90E-67
<i>CYP21A2</i>	2.3496014	1.634852	1.62E-28	7.75E-28
<i>CABP7</i>	2.3494847	-0.36553	2.41E-26	1.05E-25
<i>UNC5A</i>	2.3460252	3.11908	1.53E-23	5.88E-23
<i>FCRL4</i>	2.345004	-2.3469	4.20E-20	1.39E-19
<i>TGM3</i>	2.344593	0.437969	1.76E-17	5.21E-17
<i>IGSF23</i>	2.3436224	-2.08355	9.10E-14	2.24E-13
<i>EZH2</i>	2.3433542	4.732953	2.27E-97	5.60E-96
<i>TBX20</i>	2.3424474	-1.55012	1.75E-09	3.46E-09
<i>DNASE1L2</i>	2.3401425	0.661434	6.83E-47	6.08E-46
<i>SPP1</i>	2.3371331	8.063879	2.37E-34	1.43E-33
<i>UGT1A6</i>	2.3370319	-1.04221	8.45E-05	0.00012597
<i>SERPINA12</i>	2.3349959	-0.12418	2.08E-17	6.14E-17
<i>RHPN1</i>	2.3343881	5.591496	2.42E-67	3.60E-66
<i>TAGLN3</i>	2.3319648	-1.42425	1.52E-09	3.02E-09
<i>GHRH</i>	2.3296929	-0.71046	1.49E-08	2.79E-08
<i>CREB3L1</i>	2.3279503	6.262114	1.46E-49	1.40E-48
<i>SMC1B</i>	2.325602	1.114336	3.56E-23	1.35E-22
<i>SBK1</i>	2.325382	5.380455	2.24E-74	3.84E-73
<i>HIST1H1C</i>	2.3222459	6.507779	1.24E-36	8.06E-36
<i>HIST2H3D</i>	2.3217393	-2.51176	2.70E-21	9.44E-21
<i>NCCRP1</i>	2.3199398	4.046806	2.49E-14	6.31E-14
<i>CYSRT1</i>	2.3191892	1.277491	9.13E-49	8.56E-48
<i>TRIM67</i>	2.3183493	0.517903	2.40E-14	6.10E-14
<i>WFDC6</i>	2.3183443	-0.91759	9.55E-10	1.91E-09
<i>ADAMTS19</i>	2.3180569	1.223789	4.86E-16	1.34E-15
<i>RIMS2</i>	2.3171732	2.166102	3.01E-15	8.00E-15
<i>CDHR4</i>	2.3169782	-0.37186	4.14E-13	9.88E-13

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>MMP3</i>	2.3163179	3.888926	1.61E-29	8.05E-29
<i>ORC1</i>	2.3152491	2.781974	3.21E-61	4.16E-60
<i>SRD5A2</i>	2.3144192	-0.28584	6.42E-23	2.41E-22
<i>DIAPH3</i>	2.3143638	3.524835	2.25E-62	3.01E-61
<i>RAD51AP1</i>	2.3134303	3.657488	6.05E-71	9.81E-70
<i>SLC1A1</i>	2.3109856	5.601842	1.12E-20	3.80E-20
<i>ADAM8</i>	2.3075709	4.530427	1.28E-68	1.98E-67
<i>LACRT</i>	2.3069553	3.814671	0.0006404	0.00089896
<i>COL11A2</i>	2.2984038	3.123429	6.40E-14	1.59E-13
<i>ILDR2</i>	2.2980758	0.916913	2.66E-49	2.53E-48
<i>C1orf194</i>	2.2964127	-0.29813	3.57E-26	1.54E-25
<i>C4orf50</i>	2.2947904	-2.3529	8.43E-22	3.00E-21
<i>KRT6C</i>	2.2945415	1.547922	2.09E-07	3.66E-07
<i>WNT7A</i>	2.2929581	-2.10058	1.61E-11	3.52E-11
<i>HIST1H2AG</i>	2.2922208	2.17715	9.14E-28	4.23E-27
<i>SLC16A3</i>	2.2915577	5.547393	3.28E-56	3.73E-55
<i>SAPCD2</i>	2.2909267	4.477686	1.47E-60	1.87E-59
<i>C16orf92</i>	2.2905937	-3.41131	7.74E-19	2.41E-18
<i>GPR111</i>	2.2898785	-2.67099	3.86E-14	9.71E-14
<i>SLC5A12</i>	2.2867152	-0.84289	8.99E-11	1.90E-10
<i>FOXH1</i>	2.2851457	-1.47133	4.36E-39	3.07E-38
<i>GSTA2</i>	2.2822589	-1.27086	8.37E-10	1.68E-09
<i>PTCHD2</i>	2.2816814	0.913974	2.21E-24	8.78E-24
<i>COL1A1</i>	2.2784858	12.74124	1.36E-49	1.31E-48
<i>NUAK2</i>	2.2780677	3.506916	1.17E-103	3.26E-102
<i>SDS</i>	2.2780129	3.543078	7.13E-65	1.01E-63
<i>SIM2</i>	2.2753435	3.26561	2.40E-30	1.24E-29
<i>CTSE</i>	2.2752438	-0.28269	7.47E-09	1.43E-08
<i>GJA3</i>	2.2737284	-1.37735	6.47E-28	3.01E-27

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>HS3ST6</i>	2.273545	-1.12282	1.33E-09	2.65E-09
<i>EN1</i>	2.2715487	3.930941	4.40E-16	1.22E-15
<i>SLC15A1</i>	2.2710527	1.592432	1.60E-10	3.34E-10
<i>LYPD1</i>	2.2660155	0.709126	1.82E-39	1.30E-38
<i>HPN</i>	2.2618779	5.502595	6.63E-36	4.19E-35
<i>ARHGAP11A</i>	2.2591426	4.464626	2.63E-75	4.59E-74
<i>NIPAL4</i>	2.2588471	0.268354	2.03E-19	6.48E-19
<i>CHST6</i>	2.2587067	1.854008	9.74E-33	5.50E-32
<i>CD80</i>	2.257531	0.468534	9.37E-53	9.71E-52
<i>C2CD4A</i>	2.2564428	2.48961	5.08E-13	1.21E-12
<i>ANKRD30B</i>	2.2553552	3.600574	1.13E-13	2.77E-13
<i>RLBP1</i>	2.2545927	-1.37916	5.56E-08	1.01E-07
<i>UGT2B10</i>	2.2518476	-2.18202	2.57E-06	4.22E-06
<i>AUNIP</i>	2.2518243	2.128777	8.15E-68	1.23E-66
<i>OLR1</i>	2.2499931	4.369259	2.48E-60	3.14E-59
<i>C10orf82</i>	2.2495625	2.462022	5.55E-13	1.31E-12
<i>SLC7A11</i>	2.2479498	3.365908	3.43E-33	1.98E-32
<i>ENSG00000183248</i>	2.2477252	5.240897	3.51E-55	3.89E-54
<i>HN1</i>	2.2475789	6.893883	2.60E-78	4.78E-77
<i>HDC</i>	2.2435064	3.591618	4.27E-12	9.64E-12
<i>PGLYRP2</i>	2.2427611	3.00157	5.66E-14	1.41E-13
<i>CENPI</i>	2.2423544	2.670276	1.18E-72	1.96E-71
<i>C1QTNF6</i>	2.2374536	5.522145	3.60E-91	8.11E-90
<i>BRIP1</i>	2.2356739	3.61465	2.05E-60	2.59E-59
<i>GPR37L1</i>	2.2333308	0.692677	6.13E-25	2.51E-24
<i>EPN3</i>	2.228409	5.591827	2.03E-50	1.99E-49
<i>MT1H</i>	2.2279265	-1.51793	5.24E-16	1.45E-15
<i>GRIN2D</i>	2.2274442	2.202413	8.12E-42	6.27E-41

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>PARD6B</i>	2.2239124	5.777738	6.73E-34	3.98E-33
<i>FOXA3</i>	2.2212017	0.250881	1.63E-13	3.96E-13
<i>TMEM171</i>	2.2199281	-0.79334	3.59E-22	1.30E-21
<i>PADI1</i>	2.2190372	-2.01559	9.99E-14	2.46E-13
<i>MIOX</i>	2.2174617	-2.19778	7.76E-28	3.60E-27
<i>CCDC151</i>	2.2150137	0.974166	1.67E-30	8.69E-30
<i>ADM2</i>	2.2145513	3.959218	6.19E-59	7.56E-58
<i>TMEM132A</i>	2.2144557	6.717845	7.24E-60	9.05E-59
<i>CDC25A</i>	2.2108683	3.106943	7.96E-56	8.99E-55
<i>AARD</i>	2.2100725	5.922148	7.62E-21	2.61E-20
<i>MAD2L1</i>	2.2094739	4.646231	1.95E-78	3.59E-77
<i>CAPS</i>	2.2067987	5.598	5.95E-42	4.61E-41
<i>CNGA3</i>	2.2020644	0.167278	1.02E-13	2.49E-13
<i>SORCS3</i>	2.1996832	-1.14837	3.09E-10	6.35E-10
<i>KPNA2</i>	2.1956548	7.299823	3.82E-78	7.02E-77
<i>KIRREL2</i>	2.1953656	-0.50952	8.77E-14	2.16E-13
<i>SPOCD1</i>	2.193826	2.45933	7.05E-33	4.00E-32
<i>DKK1</i>	2.1926119	2.726597	1.50E-13	3.66E-13
<i>TNIP3</i>	2.1909103	-0.2468	1.46E-21	5.17E-21
<i>TRIM43</i>	2.1908433	-2.71221	3.51E-05	5.36E-05
<i>WDR72</i>	2.1900177	2.491307	6.66E-10	1.35E-09
<i>TEKT1</i>	2.1872172	-0.69757	2.80E-12	6.37E-12
<i>GINS2</i>	2.185388	4.40569	1.11E-63	1.54E-62
<i>MGAT5B</i>	2.1852905	1.671647	1.07E-20	3.61E-20
<i>CFAP99</i>	2.1851727	-1.74569	4.92E-26	2.11E-25
<i>LTB</i>	2.184713	3.408122	4.14E-23	1.56E-22
<i>TAS1R3</i>	2.1843489	1.360849	5.57E-32	3.06E-31
<i>TACR3</i>	2.1797996	-2.15065	3.59E-12	8.14E-12
<i>STARD10</i>	2.1797373	7.93601	3.46E-44	2.86E-43

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CRABP2</i>	2.179713	9.093513	2.09E-38	1.44E-37
<i>OLIG1</i>	2.1793001	-1.07318	2.58E-09	5.06E-09
<i>TMEM132E</i>	2.1778928	0.719641	3.48E-18	1.06E-17
<i>MYBL1</i>	2.1774131	4.269191	2.94E-36	1.89E-35
<i>NKAIN4</i>	2.1761834	-1.22893	7.01E-20	2.29E-19
<i>ZMAT4</i>	2.1751711	1.142541	5.15E-14	1.29E-13
<i>KCNQ2</i>	2.1737402	-0.80778	9.64E-09	1.83E-08
<i>NETO1</i>	2.1730203	0.167867	8.96E-19	2.79E-18
<i>MYT1L</i>	2.1724877	-1.86481	5.54E-09	1.06E-08
<i>DYDC2</i>	2.1649908	0.215413	5.33E-23	2.00E-22
<i>FOXP3</i>	2.1640395	2.5944	3.18E-57	3.71E-56
<i>MAP3K19</i>	2.1637153	-0.92908	5.43E-17	1.57E-16
<i>ALG1L</i>	2.1595476	1.150641	3.51E-20	1.16E-19
<i>POSTN</i>	2.1582933	10.19171	2.81E-48	2.60E-47
<i>RNFT2</i>	2.1581587	2.823941	2.71E-69	4.25E-68
<i>WFDC13</i>	2.1570904	-3.01609	4.21E-11	9.03E-11
<i>ENSG00000226321</i>	2.1549839	-0.98624	3.56E-12	8.07E-12
<i>INHA</i>	2.1543364	1.033119	1.15E-22	4.27E-22
<i>POC1A</i>	2.1474309	3.674011	9.80E-113	3.20E-111
<i>TONSL</i>	2.1463246	4.641009	6.04E-72	9.99E-71
<i>UTS2</i>	2.1457882	-1.71718	1.46E-18	4.50E-18
<i>DLX2</i>	2.144047	1.74386	1.54E-11	3.39E-11
<i>RGS7</i>	2.1418886	-0.56168	4.42E-14	1.11E-13
<i>ANKRD22</i>	2.1408731	2.849818	3.98E-44	3.29E-43
<i>LRRC46</i>	2.1401791	2.578002	2.44E-42	1.91E-41
<i>SHISA9</i>	2.1400875	3.147505	1.17E-18	3.63E-18
<i>SUSD3</i>	2.1399832	5.85265	1.15E-25	4.85E-25
<i>KIFC2</i>	2.139261	4.56336	2.28E-54	2.48E-53

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>ZFR2</i>	2.1380871	-0.41051	2.09E-11	4.55E-11
<i>C3orf67</i>	2.1362647	2.293049	2.22E-53	2.35E-52
<i>LRRIQ4</i>	2.1362248	-1.45708	1.22E-18	3.78E-18
<i>SPTSSB</i>	2.1349309	4.824017	1.49E-17	4.42E-17
<i>CAMKV</i>	2.1345176	-1.27528	4.43E-09	8.56E-09
<i>SYN1</i>	2.1343835	1.70554	3.67E-24	1.45E-23
<i>HIST1H2BK</i>	2.13207	5.085358	6.49E-56	7.35E-55
<i>KRT77</i>	2.1320593	0.066181	2.80E-05	4.31E-05
<i>STIL</i>	2.1302203	4.176753	6.29E-72	1.04E-70
<i>SYT14</i>	2.1262299	-0.16498	3.26E-12	7.40E-12
<i>CALY</i>	2.1255076	-1.73775	6.77E-14	1.68E-13
<i>CHST1</i>	2.1254011	4.615207	1.98E-24	7.91E-24
<i>LRRC73</i>	2.1229081	1.615281	4.05E-41	3.06E-40
<i>ECEL1</i>	2.1225244	3.25504	2.69E-10	5.55E-10
<i>CCDC108</i>	2.1219361	0.037203	1.39E-16	3.94E-16
<i>CSMD2</i>	2.1206987	1.944455	7.98E-39	5.57E-38
<i>LRG1</i>	2.1187406	5.609928	5.71E-21	1.97E-20
<i>IL12B</i>	2.1161207	-1.4891	3.02E-22	1.10E-21
<i>BFSP2</i>	2.1159571	-0.9797	1.00E-19	3.24E-19
<i>DNAJC12</i>	2.1157691	5.516481	1.22E-23	4.72E-23
<i>TLX2</i>	2.1142498	-2.35133	7.88E-20	2.57E-19
<i>C6orf15</i>	2.1126242	2.130451	1.50E-07	2.66E-07
<i>SSTR2</i>	2.109846	4.250098	1.63E-22	5.99E-22
<i>C1orf189</i>	2.1096767	-1.68698	4.62E-24	1.81E-23
<i>POT1</i>	2.1068124	-0.08119	7.16E-15	1.86E-14
<i>CNTN5</i>	2.1031749	-0.59389	1.50E-08	2.82E-08
<i>TICRR</i>	2.1016534	3.33162	5.19E-49	4.91E-48
<i>RTKN2</i>	2.1014746	3.35837	2.76E-63	3.77E-62
<i>MAST1</i>	2.0998503	1.078043	1.24E-25	5.23E-25

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>ASCL2</i>	2.0995371	2.2564	1.74E-24	6.97E-24
<i>SCX</i>	2.0990417	0.386119	3.64E-30	1.86E-29
<i>DMBT1</i>	2.0922567	2.598038	1.31E-07	2.32E-07
<i>BPIFB2</i>	2.0904365	4.448361	1.87E-08	3.48E-08
<i>MEX3A</i>	2.0884536	5.680533	1.38E-35	8.63E-35
<i>IDO1</i>	2.0873955	4.260022	9.99E-17	2.85E-16
<i>SPRR2E</i>	2.0852272	-0.71276	0.0021971	0.00296988
<i>MIEN1</i>	2.0832026	6.544828	3.00E-33	1.73E-32
<i>ARNT2</i>	2.0830082	6.134932	4.24E-34	2.53E-33
<i>PROZ</i>	2.0821737	-1.151	4.36E-23	1.65E-22
<i>FGD3</i>	2.0801112	5.921195	2.40E-34	1.45E-33
<i>HIST1H3A</i>	2.0799349	-2.19545	4.97E-14	1.24E-13
<i>DLX4</i>	2.079268	0.978965	1.70E-29	8.46E-29
<i>HIST3H2A</i>	2.0792659	4.159974	7.27E-30	3.67E-29
<i>HCRTR2</i>	2.0778979	-2.11542	1.19E-06	1.99E-06
<i>NPTX2</i>	2.0774284	1.955237	6.36E-22	2.28E-21
<i>KPNA7</i>	2.0760637	-0.95845	7.53E-23	2.81E-22
<i>SPACA4</i>	2.0760637	-1.51487	2.21E-24	8.80E-24
<i>KLK14</i>	2.0758206	3.224758	6.61E-09	1.26E-08
<i>C9orf172</i>	2.0747736	2.476412	6.12E-59	7.48E-58
<i>LPO</i>	2.0743005	-0.27309	1.47E-12	3.40E-12
<i>TIGD3</i>	2.0725335	0.118474	3.87E-56	4.40E-55
<i>C9orf116</i>	2.070663	3.206476	1.64E-52	1.69E-51
<i>GTSF1</i>	2.0706568	0.478743	1.36E-15	3.69E-15
<i>IL9R</i>	2.0695183	-1.97137	2.26E-36	1.45E-35
<i>TIGIT</i>	2.0688116	2.82865	8.00E-28	3.71E-27
<i>HPDL</i>	2.0648968	1.423577	3.08E-19	9.81E-19
<i>RAET1L</i>	2.0647536	-0.55706	2.05E-10	4.26E-10

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>SYT9</i>	2.0628074	3.30714	3.34E-14	8.42E-14
<i>BCAS4</i>	2.0619977	5.044275	2.76E-55	3.08E-54
<i>HIST1H4I</i>	2.0618409	4.023453	1.77E-54	1.93E-53
<i>FBXL16</i>	2.0596649	5.105592	2.75E-33	1.59E-32
<i>TEX14</i>	2.0578703	2.271877	2.49E-19	7.95E-19
<i>CPA6</i>	2.056962	1.799027	5.65E-10	1.15E-09
<i>PTK6</i>	2.0561551	4.448785	2.29E-47	2.07E-46
<i>TYMS</i>	2.0553738	4.798393	1.01E-62	1.37E-61
<i>LCN12</i>	2.0543711	1.53403	1.23E-24	4.98E-24
<i>GSG2</i>	2.0536873	1.570983	1.26E-57	1.49E-56
<i>HIST2H2BE</i>	2.0522278	6.350645	1.16E-42	9.17E-42
<i>PHGR1</i>	2.0505878	1.168012	1.62E-08	3.03E-08
<i>FUT7</i>	2.0473416	-0.4162	2.31E-29	1.14E-28
<i>LEF1</i>	2.0472908	4.75993	1.64E-48	1.53E-47
<i>TPRN</i>	2.0472355	5.362313	1.80E-72	2.99E-71
<i>MROH6</i>	2.0446676	3.746649	9.27E-38	6.24E-37
<i>NUPR1L</i>	2.0445435	2.011404	1.52E-21	5.36E-21
<i>RHCG</i>	2.0441176	2.388173	1.26E-08	2.38E-08
<i>FIBCD1</i>	2.043614	1.787316	4.31E-13	1.03E-12
<i>NTSR1</i>	2.0428518	-1.02645	1.04E-12	2.42E-12
<i>SMKR1</i>	2.0362318	1.832019	3.65E-42	2.84E-41
<i>MTL5</i>	2.0352503	5.220518	2.95E-52	3.03E-51
<i>C4orf48</i>	2.034904	1.823513	4.68E-32	2.58E-31
<i>VMO1</i>	2.0329706	1.95176	1.27E-19	4.10E-19
<i>CCDC175</i>	2.0313269	-2.82799	1.51E-09	3.01E-09
<i>C19orf45</i>	2.030649	0.338131	6.30E-40	4.57E-39
<i>CEACAM7</i>	2.0293757	0.154313	2.32E-13	5.60E-13
<i>UNC80</i>	2.0258922	-0.02884	3.37E-10	6.93E-10
<i>ZG16B</i>	2.0256382	6.458011	2.20E-29	1.09E-28

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>FAM71F1</i>	2.0252814	-2.18997	7.13E-20	2.33E-19
<i>FRMPD3</i>	2.0249221	2.234536	1.02E-25	4.33E-25
<i>RNF224</i>	2.0249039	-0.78951	3.73E-33	2.14E-32
<i>BAI2</i>	2.0245464	5.134937	3.28E-31	1.76E-30
<i>ETV7</i>	2.0240586	2.806036	4.24E-38	2.89E-37
<i>TRIM59</i>	2.0211627	3.759016	7.26E-108	2.17E-106
<i>CIT</i>	2.0190187	4.571806	5.00E-82	9.76E-81
<i>LAG3</i>	2.0176407	2.578314	6.14E-28	2.86E-27
<i>PRB3</i>	2.0173826	-1.79988	1.93E-17	5.69E-17
<i>CLIC6</i>	2.0169881	6.571293	5.70E-12	1.28E-11
<i>CHP2</i>	2.0168387	-1.29699	4.42E-06	7.13E-06
<i>VTN</i>	2.0164911	0.984653	6.36E-15	1.66E-14
<i>BLM</i>	2.0146604	3.417839	1.19E-61	1.56E-60
<i>SLC17A9</i>	2.0134087	3.445976	9.62E-31	5.05E-30
<i>LAGE3</i>	2.0129333	4.90582	6.68E-70	1.06E-68
<i>NPNT</i>	2.0129313	7.587412	1.69E-32	9.49E-32
<i>HOXB1</i>	2.011622	-2.0005	1.95E-12	4.47E-12
<i>AC234582.1</i>	2.0112148	-1.63277	7.02E-23	2.63E-22
<i>CCDC83</i>	2.0104847	-2.14485	8.48E-16	2.32E-15
<i>SPPL2C</i>	2.0089182	-3.38122	1.93E-10	4.01E-10
<i>KRT86</i>	2.0079763	2.896279	2.78E-15	7.41E-15
<i>IGSF9</i>	2.0045476	5.776989	5.87E-60	7.36E-59
<i>FANCI</i>	2.0029756	5.58956	2.56E-86	5.40E-85
<i>S100A2</i>	2.0020204	4.690218	2.62E-11	5.67E-11
<i>UNC5B</i>	2.0016518	6.295604	1.85E-79	3.46E-78
<i>PRRT3</i>	2.0004508	4.176328	8.13E-50	7.82E-49
<i>KRT16</i>	2.0002187	6.017549	3.85E-09	7.46E-09
<i>KRT79</i>	1.9993968	1.965687	1.02E-06	1.72E-06

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>ATAD2</i>	1.9993823	6.469949	1.25E-61	1.64E-60
<i>ANKRD34B</i>	1.9990662	-1.45236	6.21E-11	1.32E-10
<i>FOXD4L1</i>	1.9970299	-2.42023	1.98E-34	1.20E-33
<i>NKX6_3</i>	1.9948984	-2.46546	8.51E-07	1.44E-06
<i>GIN54</i>	1.9891204	3.350374	8.09E-45	6.81E-44
<i>LIPM</i>	1.987065	-0.88923	1.33E-31	7.22E-31
<i>CLLU1OS</i>	1.9851241	-2.31626	5.00E-10	1.02E-09
<i>ECE2</i>	1.9847134	3.76124	4.71E-60	5.94E-59
<i>AICDA</i>	1.9833204	-1.17632	4.26E-08	7.79E-08
<i>NDP</i>	1.983208	3.195936	2.04E-11	4.43E-11
<i>PXDNL</i>	1.9826002	3.287653	3.29E-13	7.88E-13
<i>SMCO2</i>	1.9745507	-1.50709	1.03E-37	6.95E-37
<i>IRF7</i>	1.9743863	5.452173	1.11E-60	1.41E-59
<i>TPH1</i>	1.9734998	2.435354	9.11E-12	2.02E-11
<i>PLA2G3</i>	1.9710346	0.567484	1.20E-09	2.40E-09
<i>HOXB5</i>	1.9707839	2.643468	4.66E-15	1.22E-14
<i>SLC39A4</i>	1.9707174	4.629951	1.13E-41	8.65E-41
<i>ENSG00000180044</i>	1.9685216	2.163065	4.57E-67	6.78E-66
<i>NME1</i>	1.9684347	6.17956	1.64E-62	2.20E-61
<i>B4GALNT4</i>	1.9663667	5.00618	5.31E-47	4.76E-46
<i>HPX</i>	1.9638143	4.614341	7.38E-17	2.12E-16
<i>SLC50A1</i>	1.9632972	6.641237	6.58E-105	1.85E-103
<i>GSDMC</i>	1.9624649	2.030842	3.88E-16	1.08E-15
<i>HES2</i>	1.9604294	2.656372	2.63E-18	8.03E-18
<i>SCG3</i>	1.9593196	1.535623	2.38E-07	4.15E-07
<i>KCNK1</i>	1.9578818	4.929646	1.30E-26	5.71E-26
<i>CWH43</i>	1.9575651	0.604241	4.01E-09	7.77E-09
<i>AWAT1</i>	1.957545	-2.69611	4.59E-08	8.38E-08
<i>GRIN2C</i>	1.9574862	1.735071	1.62E-17	4.80E-17

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>GPR141</i>	1.9567158	0.505273	2.22E-32	1.24E-31
<i>KIAA1257</i>	1.956707	1.533552	4.48E-37	2.95E-36
<i>KRT19</i>	1.9560223	10.65187	7.41E-43	5.89E-42
<i>CCDC167</i>	1.9555745	4.105603	2.09E-85	4.32E-84
<i>SLC25A48</i>	1.9532962	2.057141	4.78E-12	1.08E-11
<i>PRR19</i>	1.9517491	1.69914	2.94E-85	6.06E-84
<i>HS3ST3A1</i>	1.9515667	0.312382	2.27E-40	1.67E-39
<i>EFNA3</i>	1.9513485	4.091215	2.45E-36	1.57E-35
<i>PRR7</i>	1.9502464	1.933203	1.71E-40	1.27E-39
<i>KIR2DL4</i>	1.9484927	-1.83979	8.15E-15	2.11E-14
<i>ERBB2</i>	1.9484529	9.750844	4.02E-24	1.58E-23
<i>C20orf144</i>	1.9483493	-0.96497	1.47E-45	1.27E-44
<i>GPHA2</i>	1.9474439	-3.20706	7.83E-11	1.66E-10
<i>FAM132B</i>	1.9471991	-0.42916	4.82E-25	1.98E-24
<i>SDC1</i>	1.9470476	8.63007	9.61E-48	8.78E-47
<i>RACGAP1</i>	1.9465836	5.592606	1.91E-85	3.96E-84
<i>H2AFX</i>	1.9457445	5.362164	1.32E-71	2.17E-70
<i>NUP210</i>	1.9453496	7.058639	1.17E-90	2.61E-89
<i>WDR62</i>	1.9442265	3.786114	2.38E-50	2.33E-49
<i>TMEM238</i>	1.942909	2.38795	5.80E-40	4.21E-39
<i>COL5A1</i>	1.9425989	8.96447	6.09E-47	5.43E-46
<i>SYCE3</i>	1.9417762	-0.02531	8.30E-29	4.01E-28
<i>FAM83E</i>	1.9388525	3.692113	1.22E-17	3.63E-17
<i>FANCA</i>	1.9385136	3.597714	4.41E-53	4.62E-52
<i>RBP2</i>	1.9378264	-0.9698	8.84E-17	2.52E-16
<i>SDR16C5</i>	1.9377113	4.209861	1.51E-14	3.89E-14
<i>DNAH11</i>	1.9370272	1.485102	2.17E-14	5.52E-14
<i>LGSN</i>	1.9369314	-2.23347	1.61E-08	3.01E-08

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CHST8</i>	1.9363089	3.561539	3.34E-13	8.01E-13
<i>DBNDD1</i>	1.9352404	5.492038	3.36E-55	3.73E-54
<i>CENPK</i>	1.9350953	2.520452	1.09E-70	1.76E-69
<i>SHROOM1</i>	1.934778	5.861569	6.27E-19	1.96E-18
<i>AIM2</i>	1.9340913	1.263084	4.54E-22	1.64E-21
<i>BRDT</i>	1.9314124	-0.86146	2.43E-10	5.03E-10
<i>LY6D</i>	1.9311143	3.431557	2.81E-06	4.60E-06
<i>LAMP3</i>	1.9281571	3.846499	1.90E-21	6.69E-21
<i>TPD52</i>	1.927874	8.116488	3.20E-63	4.37E-62
<i>KLHL35</i>	1.9272455	2.987395	4.40E-36	2.80E-35
<i>UNC5D</i>	1.926815	-0.63597	6.25E-06	1.00E-05
<i>C7orf57</i>	1.9263917	-1.77996	1.12E-11	2.47E-11
<i>TUBB8</i>	1.922164	-0.73771	5.87E-34	3.48E-33
<i>GPR84</i>	1.9216596	1.013908	3.61E-39	2.55E-38
<i>ECT2</i>	1.9187173	5.86861	1.76E-81	3.41E-80
<i>PYCARD</i>	1.9170168	5.352292	4.01E-40	2.92E-39
<i>XRCC2</i>	1.9163586	3.022791	2.56E-60	3.23E-59
<i>BRINP2</i>	1.9157674	2.995406	2.02E-09	3.98E-09
<i>SULF1</i>	1.9150175	8.186754	3.51E-46	3.07E-45
<i>C15orf48</i>	1.9137006	4.846572	1.12E-26	4.93E-26
<i>CORIN</i>	1.9122645	2.742318	1.02E-28	4.91E-28
<i>TTC16</i>	1.9096498	0.083603	1.01E-36	6.57E-36
<i>IFI27</i>	1.9086764	8.178172	1.87E-22	6.86E-22
<i>KIAA1524</i>	1.9081286	3.562341	1.63E-58	1.96E-57
<i>MDGA2</i>	1.9077513	-1.49958	2.32E-07	4.06E-07
<i>GPC2</i>	1.9064161	1.477931	2.60E-24	1.03E-23
<i>FER1L6</i>	1.9057436	-1.30116	6.51E-14	1.62E-13
<i>ENSG00000135747</i>	1.9055439	-1.37397	3.13E-37	2.07E-36
<i>FUT3</i>	1.9036526	2.513429	1.26E-12	2.94E-12

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>SLC9A3R1</i>	1.9033247	8.512798	1.95E-44	1.63E-43
<i>VWA5B2</i>	1.9022616	0.411883	4.16E-18	1.26E-17
<i>OBP2B</i>	1.9021217	3.041453	4.90E-08	8.93E-08
<i>LBP</i>	1.8979304	4.675633	6.11E-08	1.10E-07
<i>PSRC1</i>	1.8973762	3.542797	1.73E-67	2.58E-66
<i>ODAM</i>	1.8961198	0.783744	3.08E-06	5.02E-06
<i>C3orf36</i>	1.8959988	-1.00982	6.91E-47	6.15E-46
<i>SLC12A5</i>	1.8956035	0.339695	1.91E-24	7.65E-24
<i>C9orf135</i>	1.8952084	-1.99069	3.65E-06	5.94E-06
<i>OBP2A</i>	1.8948725	-0.0194	4.19E-13	9.98E-13
<i>PPM1J</i>	1.8926677	3.401921	9.10E-37	5.92E-36
<i>CEACAM16</i>	1.891235	-2.73026	1.25E-08	2.36E-08
<i>CXCR5</i>	1.8907439	-1.97965	3.16E-14	7.97E-14
<i>SAMD14</i>	1.8900852	1.133732	9.72E-68	1.46E-66
<i>FOXD2</i>	1.8897029	1.435482	1.23E-38	8.56E-38
<i>HOXD13</i>	1.8896378	-0.89472	1.07E-09	2.14E-09
<i>SYT10</i>	1.8894698	-2.23486	1.55E-06	2.58E-06
<i>GLYATL1</i>	1.8887558	2.986428	3.98E-16	1.10E-15
<i>ICOS</i>	1.8873148	1.163288	2.66E-22	9.71E-22
<i>GTSF1L</i>	1.8872295	-3.64879	3.00E-14	7.58E-14
<i>SPATA17</i>	1.8839703	2.650917	1.28E-48	1.20E-47
<i>KLRG2</i>	1.878723	2.720059	2.09E-19	6.68E-19
<i>TSACC</i>	1.8776222	-0.20524	3.22E-57	3.76E-56
<i>ZNF703</i>	1.8774635	7.710345	2.30E-28	1.09E-27
<i>PKIB</i>	1.8763137	5.719008	4.87E-27	2.19E-26
<i>N4BP3</i>	1.8756928	5.257332	4.52E-53	4.74E-52
<i>P2RX2</i>	1.875566	-0.32029	4.83E-09	9.31E-09
<i>TNFSF4</i>	1.8753722	2.975073	9.05E-53	9.40E-52

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>SLC34A3</i>	1.8736222	-1.20804	1.13E-25	4.77E-25
<i>CAPN13</i>	1.8736202	5.255266	6.07E-24	2.37E-23
<i>KRT8</i>	1.8732683	10.3279	8.67E-47	7.69E-46
<i>WNT7B</i>	1.8727039	4.518199	6.43E-29	3.12E-28
<i>ART3</i>	1.8721771	2.876619	8.06E-07	1.37E-06
<i>COMMD3_BMI1</i>	1.8720891	-3.05971	1.12E-12	2.61E-12
<i>FOXA1</i>	1.870649	8.215274	7.30E-24	2.84E-23
<i>GATA3</i>	1.8700182	9.177097	2.16E-29	1.07E-28
<i>LPPR3</i>	1.869941	3.110018	9.26E-14	2.28E-13
<i>OGDHL</i>	1.8695274	0.521354	3.47E-11	7.48E-11
<i>UBD</i>	1.8681473	3.319034	4.01E-15	1.06E-14
<i>CHTF18</i>	1.8656271	4.472021	2.32E-56	2.65E-55
<i>HIST1H2AE</i>	1.8591574	2.355149	5.68E-20	1.86E-19
<i>KCNC1</i>	1.8576488	0.884393	3.81E-10	7.82E-10
<i>NEFL</i>	1.857525	-0.05639	4.10E-13	9.78E-13
<i>PYCRL</i>	1.8573403	5.083101	1.36E-66	2.01E-65
<i>TMEM244</i>	1.8571413	-2.56552	4.19E-22	1.52E-21
<i>TMEM72</i>	1.8564734	-2.57505	3.19E-09	6.22E-09
<i>TTBK1</i>	1.8563118	-0.37207	1.24E-26	5.45E-26
<i>SOX12</i>	1.8555818	5.843122	1.30E-88	2.83E-87
<i>LBX2</i>	1.8555756	0.525107	7.97E-50	7.67E-49
<i>DCDC1</i>	1.8545171	2.098831	5.38E-18	1.62E-17
<i>ESPN</i>	1.8544142	4.650032	4.05E-28	1.90E-27
<i>TYMP</i>	1.8524809	6.693955	5.02E-50	4.86E-49
<i>CLIC3</i>	1.8518733	2.487788	2.51E-22	9.15E-22
<i>CCNI2</i>	1.8512699	0.973276	3.89E-21	1.35E-20
<i>C2orf50</i>	1.8512592	0.834735	5.30E-18	1.60E-17
<i>RIBC2</i>	1.8508333	1.945098	4.32E-53	4.54E-52
<i>ASPN</i>	1.8504747	6.876272	1.78E-23	6.81E-23

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>FAM177B</i>	1.8500639	0.647105	3.08E-14	7.77E-14
<i>RSPH1</i>	1.8498008	3.06757	7.60E-32	4.15E-31
<i>UGT3A2</i>	1.8496406	0.431079	1.79E-10	3.72E-10
<i>DNAH8</i>	1.8488429	-1.48761	3.99E-18	1.21E-17
<i>PCDHA1</i>	1.8477142	-0.12094	1.29E-14	3.32E-14
<i>LDLRAD1</i>	1.8469205	0.246567	4.10E-14	1.03E-13
<i>SRRM4</i>	1.8455303	-2.06682	7.55E-07	1.28E-06
<i>KNDC1</i>	1.8433758	2.144999	1.03E-10	2.17E-10
<i>CBS</i>	1.841912	-0.68326	5.75E-21	1.98E-20
<i>THPO</i>	1.8403227	1.48187	2.72E-19	8.67E-19
<i>SLC52A2</i>	1.8389644	6.290025	1.90E-69	3.00E-68
<i>PLA2G10</i>	1.838818	-0.5982	2.07E-24	8.26E-24
<i>MCM4</i>	1.8376207	7.203908	6.12E-64	8.51E-63
<i>RNASEH2A</i>	1.8365096	5.070498	1.72E-90	3.82E-89
<i>MCM2</i>	1.8353478	6.092914	1.60E-65	2.31E-64
<i>PCP2</i>	1.8347872	1.909037	9.89E-20	3.21E-19
<i>TSTA3</i>	1.8340735	6.886493	7.62E-79	1.42E-77
<i>FSTL4</i>	1.8338943	2.324984	7.06E-22	2.53E-21
<i>FAM92B</i>	1.8337687	-1.3333	1.15E-13	2.82E-13
<i>REM2</i>	1.8312235	0.82075	3.26E-37	2.16E-36
<i>LTA</i>	1.8304611	0.113772	7.44E-24	2.89E-23
<i>CCDC74A</i>	1.8298448	5.377847	1.65E-19	5.29E-19
<i>PGBD5</i>	1.8297268	3.328493	6.13E-17	1.76E-16
<i>C5orf46</i>	1.8282349	2.095433	1.73E-17	5.10E-17
<i>ZBP1</i>	1.8270377	2.19064	3.20E-22	1.16E-21
<i>PDCD1</i>	1.8258782	1.077821	5.00E-22	1.80E-21
<i>SLC26A9</i>	1.8246971	0.416788	5.84E-08	1.06E-07
<i>FAM173A</i>	1.8241884	3.864773	2.39E-44	1.98E-43

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>GUCA1A</i>	1.8239739	-2.85568	2.96E-17	8.66E-17
<i>ZIC4</i>	1.8230884	0.226879	8.09E-10	1.63E-09
<i>SOWAHA</i>	1.8208124	3.226196	2.04E-13	4.95E-13
<i>TMSB15A</i>	1.8199432	1.580556	1.78E-15	4.79E-15
<i>FAM83H</i>	1.8197952	7.265806	1.99E-77	3.60E-76
<i>PANX2</i>	1.8193612	2.572883	1.92E-25	8.02E-25
<i>CYP4F2</i>	1.8181743	-1.60994	9.65E-07	1.63E-06
<i>NEFH</i>	1.8177785	3.096443	1.13E-16	3.21E-16
<i>ADGB</i>	1.8175733	-2.33206	2.93E-11	6.34E-11
<i>STMN1</i>	1.8165468	7.744233	9.84E-55	1.08E-53
<i>CCL17</i>	1.8165008	0.046679	1.49E-19	4.79E-19
<i>PMAIP1</i>	1.8163481	4.19272	2.20E-36	1.42E-35
<i>TH</i>	1.8163067	-0.41438	5.43E-09	1.04E-08
<i>IFNG</i>	1.8158536	-1.13127	4.91E-13	1.17E-12
<i>TCL1A</i>	1.8126176	0.856056	4.27E-09	8.27E-09
<i>RLN2</i>	1.8118988	1.304255	8.14E-15	2.11E-14
<i>FGFR4</i>	1.8102438	4.315467	3.50E-16	9.73E-16
<i>ROPN1L</i>	1.810041	0.350626	1.04E-18	3.22E-18
<i>FBXL6</i>	1.8099584	4.802025	2.06E-66	3.03E-65
<i>ULBP2</i>	1.8084697	0.505361	1.35E-22	4.97E-22
<i>PTPRN</i>	1.8077765	1.251063	1.24E-12	2.89E-12
<i>RGS4</i>	1.8068748	3.696935	2.36E-31	1.27E-30
<i>B4GALNT3</i>	1.8043467	5.008056	7.85E-29	3.80E-28
<i>C10orf67</i>	1.8036591	-2.34134	1.68E-10	3.50E-10
<i>GALR2</i>	1.8005997	-3.04336	3.96E-16	1.10E-15
<i>COL20A1</i>	1.7989226	-2.73629	1.98E-10	4.11E-10
<i>SNAP25</i>	1.7983481	2.42235	3.19E-10	6.56E-10
<i>LLGL2</i>	1.7966874	6.674718	1.97E-73	3.32E-72
<i>IDO2</i>	1.7962551	-1.96413	1.02E-13	2.50E-13

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>USH1G</i>	1.795298	-1.40769	2.07E-14	5.29E-14
<i>ARHGEF39</i>	1.7951334	2.745563	5.09E-60	6.41E-59
<i>GRB14</i>	1.7935075	3.718729	6.49E-11	1.38E-10
<i>DAZL</i>	1.7930729	-2.54489	4.11E-09	7.96E-09
<i>CEND1</i>	1.7926494	-1.76386	1.37E-25	5.77E-25
<i>CDC7</i>	1.7917027	3.706959	6.51E-53	6.79E-52
<i>TEKT5</i>	1.7890411	-0.26162	9.79E-28	4.52E-27
<i>C8orf86</i>	1.7884745	-1.15974	1.39E-11	3.05E-11
<i>PLK4</i>	1.7874901	3.556595	1.18E-65	1.72E-64
<i>SLC38A5</i>	1.7870001	3.189778	7.48E-33	4.24E-32
<i>C16orf93</i>	1.7856183	0.841961	8.12E-41	6.07E-40
<i>ANXA9</i>	1.7855163	5.389233	1.22E-33	7.12E-33
<i>MX1</i>	1.7838329	7.716232	3.18E-24	1.26E-23
<i>CHRD12</i>	1.7829261	2.193385	8.34E-10	1.68E-09
<i>CCNF</i>	1.7813821	4.985922	1.80E-93	4.18E-92
<i>MYRFL</i>	1.7811343	0.486833	1.06E-20	3.60E-20
<i>C1orf233</i>	1.7801546	4.231582	1.95E-46	1.72E-45
<i>ECM1</i>	1.7800693	7.119053	4.76E-19	1.50E-18
<i>KMO</i>	1.779452	3.267413	1.33E-21	4.72E-21
<i>COL5A2</i>	1.7784241	9.047435	1.04E-39	7.48E-39
<i>KIAA1644</i>	1.778117	2.2642	1.89E-21	6.63E-21
<i>HELLS</i>	1.777673	4.21662	1.62E-62	2.18E-61
<i>TMEFF1</i>	1.7766185	-2.92651	3.21E-13	7.70E-13
<i>C16orf71</i>	1.7760188	1.967386	1.51E-41	1.16E-40
<i>SNCB</i>	1.7755042	-2.79846	3.82E-10	7.82E-10
<i>CA12</i>	1.7749118	8.816586	1.13E-21	4.02E-21
<i>ZNF730</i>	1.7732564	0.368714	5.53E-22	1.99E-21
<i>IER5L</i>	1.7731962	4.227385	4.03E-52	4.13E-51

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>GPR68</i>	1.7725735	3.699083	1.05E-59	1.30E-58
<i>ALX3</i>	1.7698175	-2.30208	2.23E-08	4.13E-08
<i>SORD</i>	1.7696278	5.959126	2.93E-39	2.07E-38
<i>UGT2B17</i>	1.7695668	1.357009	5.13E-06	8.26E-06
<i>TPRXL</i>	1.7673134	0.459031	6.48E-13	1.53E-12
<i>PCSK9</i>	1.7652205	0.691667	4.16E-14	1.04E-13
<i>PODXL2</i>	1.7644797	5.678058	2.33E-37	1.55E-36
<i>ASPHD1</i>	1.763778	2.430067	5.05E-19	1.59E-18
<i>FOXE3</i>	1.7620995	-3.15707	3.39E-11	7.30E-11
<i>TJP3</i>	1.7616756	5.882535	3.91E-49	3.71E-48
<i>NAT14</i>	1.7614035	4.418768	1.60E-54	1.75E-53
<i>C21orf58</i>	1.7597006	3.314893	3.25E-64	4.56E-63
<i>SLC7A13</i>	1.7596152	-0.62287	2.37E-14	6.01E-14
<i>KLF17</i>	1.7593335	-1.69996	3.16E-11	6.82E-11
<i>COMTD1</i>	1.7583534	3.412467	2.12E-37	1.41E-36
<i>LGALS7B</i>	1.7577138	1.177679	1.30E-06	2.18E-06
<i>MYCN</i>	1.7567389	1.569167	7.40E-17	2.12E-16
<i>PAQR6</i>	1.7566092	2.818246	3.31E-29	1.63E-28
<i>VSIG1</i>	1.7554222	0.23915	4.64E-21	1.61E-20
<i>PHF21B</i>	1.7511508	0.941369	3.39E-09	6.59E-09
<i>GPR143</i>	1.7507705	2.487732	1.90E-30	9.82E-30
<i>LRRC10B</i>	1.7498483	1.840197	1.58E-18	4.87E-18
<i>SUSD4</i>	1.7493716	5.174779	1.37E-24	5.51E-24
<i>RASSF7</i>	1.7493601	5.013274	4.88E-47	4.39E-46
<i>UPK2</i>	1.7487618	-0.39475	7.19E-16	1.97E-15
<i>GCM1</i>	1.7476313	-0.46609	9.75E-12	2.16E-11
<i>ATG9B</i>	1.7474099	1.865985	7.33E-31	3.86E-30
<i>CBX4</i>	1.747404	5.843662	4.59E-68	6.97E-67
<i>DDIAS</i>	1.7468428	3.143553	2.18E-48	2.03E-47

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CATIP</i>	1.7460517	-0.5267	3.53E-20	1.17E-19
<i>ESR1</i>	1.7456491	9.019752	2.72E-15	7.24E-15
<i>DNA2</i>	1.7446202	3.3375	5.57E-63	7.56E-62
<i>CENPW</i>	1.7434715	3.552912	3.68E-29	1.81E-28
<i>TREML4</i>	1.7420615	-3.44338	1.27E-10	2.66E-10
<i>SLC23A1</i>	1.7418739	1.056511	4.07E-26	1.76E-25
<i>RASL11B</i>	1.7418513	2.973996	2.54E-40	1.87E-39
<i>CCDC154</i>	1.7408738	0.991183	8.46E-26	3.61E-25
<i>DRP2</i>	1.7381356	0.265364	6.37E-36	4.03E-35
<i>KRT4</i>	1.7374469	3.185958	0.0001507	0.00022098
<i>PLAUR</i>	1.735892	5.283144	8.48E-53	8.81E-52
<i>CASP16</i>	1.7350285	0.662965	3.56E-19	1.13E-18
<i>KLK13</i>	1.7339397	1.50365	1.16E-06	1.95E-06
<i>SLC39A6</i>	1.7338395	10.28045	2.16E-21	7.57E-21
<i>HEPHL1</i>	1.7335624	0.073842	9.13E-13	2.14E-12
<i>BOLA2B</i>	1.7330677	-0.94392	1.57E-37	1.05E-36
<i>SH3GL2</i>	1.7326137	-0.22957	1.23E-10	2.58E-10
<i>F2RL2</i>	1.7311078	4.937544	1.06E-23	4.09E-23
<i>IL27</i>	1.7286957	-1.84177	1.38E-30	7.21E-30
<i>MAT1A</i>	1.726702	1.620228	2.57E-11	5.55E-11
<i>PRTN3</i>	1.7266719	-1.4692	1.91E-08	3.56E-08
<i>TMEM121</i>	1.7266169	2.471049	3.42E-30	1.75E-29
<i>ACMSD</i>	1.726313	0.294337	1.24E-11	2.73E-11
<i>CKMT1A</i>	1.7238776	2.196556	1.10E-18	3.41E-18
<i>ARHGAP39</i>	1.7224967	4.765394	2.51E-73	4.22E-72
<i>MRPS30</i>	1.7220925	7.094114	2.40E-26	1.05E-25
<i>ENSG00000159753</i>	1.7214152	2.359651	4.84E-22	1.75E-21
<i>NPY1R</i>	1.7211887	7.963681	3.48E-08	6.39E-08

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CCR4</i>	1.7204339	1.943532	1.58E-24	6.36E-24
<i>ELOVL2</i>	1.7198345	5.457238	2.41E-12	5.52E-12
<i>EVPL</i>	1.7178987	5.791684	1.65E-52	1.70E-51
<i>PCDH8</i>	1.7175726	-0.43375	4.32E-07	7.45E-07
<i>ZNF367</i>	1.7163091	3.479139	3.50E-57	4.09E-56
<i>SPRR2A</i>	1.7137471	-0.16466	0.0102632	0.0131645
<i>C4orf26</i>	1.7129776	-2.57345	3.38E-14	8.51E-14
<i>ADAM19</i>	1.7118782	4.59707	3.14E-51	3.15E-50
<i>CREB3L4</i>	1.7118548	7.036004	2.76E-48	2.56E-47
<i>ZNF804B</i>	1.7113418	-1.9678	0.000195	0.00028368
<i>TRIB3</i>	1.7098905	5.593307	1.25E-62	1.69E-61
<i>SMYD3</i>	1.7089124	2.649149	1.73E-58	2.08E-57
<i>LRRC56</i>	1.7084156	3.353347	7.42E-40	5.37E-39
<i>TMEM158</i>	1.7074184	3.446194	1.14E-18	3.53E-18
<i>KLF1</i>	1.7072384	-2.53384	2.91E-31	1.56E-30
<i>FOXO6</i>	1.7064743	2.72051	1.18E-45	1.02E-44
<i>KRT18</i>	1.7054909	9.678788	4.33E-40	3.16E-39
<i>GALNT5</i>	1.7054779	4.487232	6.68E-17	1.92E-16
<i>SIAH2</i>	1.7047263	6.772568	1.58E-46	1.40E-45
<i>SYP</i>	1.7047089	3.023945	2.61E-15	6.97E-15
<i>FCGR1A</i>	1.7041768	2.475348	9.45E-48	8.64E-47
<i>FBN3</i>	1.7028918	1.815494	2.19E-09	4.30E-09
<i>C9orf171</i>	1.7025749	-1.40438	1.40E-11	3.08E-11
<i>OAS2</i>	1.7016969	6.98902	6.55E-29	3.18E-28
<i>C6orf141</i>	1.6996971	3.947817	1.12E-15	3.04E-15
<i>PAX9</i>	1.6995863	3.217523	1.83E-22	6.72E-22
<i>MAL2</i>	1.697737	8.335789	1.61E-48	1.50E-47
<i>KIAA1467</i>	1.697688	6.786474	8.43E-21	2.88E-20
<i>PPP1R1C</i>	1.6971766	-0.13401	1.03E-08	1.95E-08

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>ASIC2</i>	1.6966848	0.23121	2.05E-08	3.80E-08
<i>SLC35D3</i>	1.6964831	-2.43014	5.17E-10	1.05E-09
<i>ABCC12</i>	1.693904	1.288546	5.74E-07	9.81E-07
<i>CAPNS2</i>	1.6932506	-1.17397	2.21E-06	3.65E-06
<i>SHD</i>	1.6916658	-2.92971	1.87E-11	4.09E-11
<i>SLC4A8</i>	1.6907706	4.887942	3.54E-21	1.23E-20
<i>CALCB</i>	1.6898798	-2.31166	7.93E-08	1.43E-07
<i>MXD3</i>	1.6884189	3.165698	2.20E-45	1.89E-44
<i>FAM189A1</i>	1.6860953	0.782602	1.58E-13	3.83E-13
<i>SERPINA11</i>	1.6850877	3.910033	1.65E-09	3.27E-09
<i>SH2D2A</i>	1.6849101	2.176895	2.12E-28	1.01E-27
<i>LRP8</i>	1.6848748	3.836734	3.14E-33	1.81E-32
<i>FOXD4</i>	1.6846464	-0.69034	3.16E-32	1.75E-31
<i>CELF4</i>	1.6843508	0.916546	4.80E-13	1.14E-12
<i>SMIM6</i>	1.6821453	-1.72729	6.25E-13	1.48E-12
<i>C5orf49</i>	1.6812352	1.903844	8.97E-23	3.34E-22
<i>CXCL13</i>	1.6806841	5.764504	5.67E-08	1.03E-07
<i>MFSD3</i>	1.6803352	4.927881	1.03E-45	8.97E-45
<i>HAO2</i>	1.6782546	0.432353	6.78E-06	1.08E-05
<i>SULT4A1</i>	1.6772323	0.755165	1.11E-11	2.46E-11
<i>ADAMTSL2</i>	1.6770576	3.295503	8.35E-47	7.41E-46
<i>SH2D5</i>	1.6766598	-1.92543	5.27E-17	1.52E-16
<i>FUT2</i>	1.676139	3.290722	6.83E-28	3.17E-27
<i>KLHDC9</i>	1.6758775	3.489748	7.99E-32	4.37E-31
<i>TEX101</i>	1.6736526	-2.11769	1.61E-09	3.19E-09
<i>WFDC10B</i>	1.6717089	-2.90369	2.46E-09	4.82E-09
<i>TMEM63C</i>	1.6714059	4.925731	2.03E-25	8.51E-25
<i>MUC6</i>	1.6672986	5.9503	1.59E-05	2.48E-05

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>LIMD2</i>	1.6645878	4.379217	1.18E-32	6.65E-32
<i>CCDC87</i>	1.6644448	1.07211	2.88E-37	1.91E-36
<i>ASIC3</i>	1.6636705	1.223703	6.75E-29	3.27E-28
<i>LRFN1</i>	1.6621325	2.752722	2.58E-38	1.78E-37
<i>FEN1</i>	1.661174	5.391533	4.22E-72	6.99E-71
<i>FADS2</i>	1.6610119	7.587994	5.56E-17	1.60E-16
<i>FAP</i>	1.6605159	5.480761	1.47E-38	1.02E-37
<i>ESRP1</i>	1.6598275	7.368073	4.13E-64	5.78E-63
<i>CDHR2</i>	1.6575622	-0.61965	3.09E-30	1.58E-29
<i>FAM155B</i>	1.6564038	2.102595	2.01E-21	7.05E-21
<i>BCL2A1</i>	1.6555387	2.479788	5.76E-17	1.66E-16
<i>HIST1H2BN</i>	1.6553954	1.801149	8.31E-33	4.71E-32
<i>CKMT1B</i>	1.6539464	2.396949	2.08E-16	5.84E-16
<i>SIX4</i>	1.65389	4.618796	5.81E-45	4.93E-44
<i>WFDC5</i>	1.6534213	-1.87336	0.0001849	0.00026948
<i>BIK</i>	1.6532732	3.760592	2.26E-34	1.37E-33
<i>GALE</i>	1.6522067	5.303999	1.45E-59	1.79E-58
<i>MANEAL</i>	1.6509992	4.417376	2.09E-40	1.54E-39
<i>CCR7</i>	1.6509752	3.001747	1.05E-17	3.13E-17
<i>CXCR3</i>	1.6489567	2.253133	4.89E-21	1.69E-20
<i>TLL2</i>	1.6489205	0.245218	6.26E-27	2.79E-26
<i>C1orf106</i>	1.6485198	3.508003	1.50E-13	3.65E-13
<i>FAM195A</i>	1.6484156	4.929239	7.41E-49	6.97E-48
<i>SEC14L4</i>	1.6482143	-1.27185	2.72E-07	4.74E-07
<i>SLC45A2</i>	1.6479327	-2.23429	7.31E-20	2.38E-19
<i>CASKIN1</i>	1.647544	1.426528	8.33E-26	3.56E-25
<i>ARHGAP11B</i>	1.6466429	2.46298	2.47E-50	2.42E-49
<i>MORN3</i>	1.6464971	2.007713	3.31E-35	2.05E-34
<i>TLE6</i>	1.6451977	2.335879	6.43E-29	3.12E-28

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>SCGB2A2</i>	1.6443753	10.22621	6.68E-06	1.07E-05
<i>ZNF296</i>	1.6440947	2.67785	8.53E-40	6.16E-39
<i>EGLN3</i>	1.6439294	5.58929	3.93E-25	1.62E-24
<i>EXOC3L4</i>	1.6415117	-0.01964	2.05E-16	5.77E-16
<i>RBBP8NL</i>	1.6414794	3.176564	1.34E-43	1.10E-42
<i>MIF</i>	1.6407488	5.348299	8.30E-37	5.41E-36
<i>DNAH14</i>	1.6405213	3.802629	4.66E-61	6.01E-60
<i>GOLT1A</i>	1.6401903	2.815384	3.13E-33	1.80E-32
<i>PRSS27</i>	1.6401865	2.252798	4.75E-25	1.95E-24
<i>TSPAN13</i>	1.6392367	8.305284	2.70E-43	2.18E-42
<i>AZU1</i>	1.638762	0.313865	4.00E-11	8.59E-11
<i>C19orf81</i>	1.6373781	-2.18975	6.32E-10	1.28E-09
<i>NRSN1</i>	1.6373607	-1.90385	1.61E-05	2.51E-05
<i>C1orf186</i>	1.6371852	2.258901	4.67E-11	9.99E-11
<i>IL36G</i>	1.636717	-3.10122	1.87E-06	3.09E-06
<i>ATP2A3</i>	1.6355263	6.695243	7.30E-28	3.39E-27
<i>CD19</i>	1.6347522	1.112231	7.74E-11	1.64E-10
<i>ERP27</i>	1.6335524	4.420001	1.63E-20	5.48E-20
<i>ACRV1</i>	1.6330134	-1.75395	5.49E-27	2.45E-26
<i>CRB3</i>	1.6325897	3.961207	2.31E-67	3.44E-66
<i>IL11</i>	1.6324955	0.16847	1.78E-31	9.61E-31
<i>SPAG4</i>	1.6303707	2.495712	3.84E-34	2.29E-33
<i>ADORA2A</i>	1.6300505	-0.88228	2.61E-22	9.51E-22
<i>RSAD2</i>	1.6296603	5.354071	2.48E-24	9.85E-24
<i>PRRT2</i>	1.6272529	2.644755	1.36E-26	6.00E-26
<i>SP5</i>	1.6257524	1.127459	4.13E-10	8.46E-10
<i>SIRPG</i>	1.6254196	1.357719	4.20E-18	1.27E-17
<i>NAT2</i>	1.624731	0.182827	3.53E-10	7.24E-10

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>HOXB6</i>	1.6242075	3.137963	6.04E-14	1.50E-13
<i>FABP7</i>	1.6229154	5.465055	0.0001987	0.0002889
<i>SDR9C7</i>	1.6217361	-2.28964	5.64E-08	1.02E-07
<i>ENKUR</i>	1.6203879	-0.36613	1.85E-20	6.22E-20
<i>LSR</i>	1.6194781	7.26202	1.29E-62	1.73E-61
<i>PARPBP</i>	1.6184044	2.917049	5.87E-60	7.36E-59
<i>RNF223</i>	1.6180525	1.897189	2.21E-23	8.39E-23
<i>SERPINB10</i>	1.6177076	-3.08689	1.55E-06	2.59E-06
<i>KIF24</i>	1.6169353	3.37692	2.50E-74	4.27E-73
<i>RELL2</i>	1.6155044	1.095646	8.77E-42	6.76E-41
<i>CATSPER1</i>	1.614462	-0.79614	4.91E-37	3.23E-36
<i>GJB6</i>	1.6135224	0.820021	5.78E-06	9.27E-06
<i>KRTAP5_10</i>	1.611423	-1.40266	3.04E-16	8.47E-16
<i>AP1M2</i>	1.6112726	6.796085	1.16E-57	1.38E-56
<i>P3H4</i>	1.6109016	5.419221	1.72E-69	2.72E-68
<i>HID1</i>	1.6101406	7.368317	6.67E-38	4.52E-37
<i>PRDM12</i>	1.6096738	-2.49303	5.12E-24	2.00E-23
<i>GALNT6</i>	1.6095407	7.764384	1.51E-25	6.35E-25
<i>DOC2A</i>	1.6083253	2.240078	1.72E-18	5.28E-18
<i>RP1</i>	1.6079277	-0.1499	5.60E-10	1.14E-09
<i>WDR34</i>	1.6074561	6.543496	3.41E-69	5.34E-68
<i>DDN</i>	1.6071521	-0.59827	5.80E-12	1.30E-11
<i>DLGAP3</i>	1.6066396	0.156394	1.58E-18	4.86E-18
<i>C3orf52</i>	1.6030982	4.077705	3.76E-28	1.77E-27
<i>RAB31</i>	1.6030648	7.613787	2.45E-36	1.57E-35
<i>SLAMF8</i>	1.6024075	4.044496	4.71E-30	2.39E-29
<i>LEMD1</i>	1.6017546	0.491495	1.39E-06	2.32E-06
<i>SLC2A6</i>	1.6003091	2.780867	3.69E-32	2.04E-31
<i>SLC6A9</i>	1.5996029	4.885556	6.70E-32	3.67E-31

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>PPP1R14B</i>	1.5982245	6.209747	5.14E-50	4.97E-49
<i>HIST1H2AC</i>	1.5981592	6.725759	1.05E-35	6.63E-35
<i>VCAN</i>	1.5980998	8.765375	2.21E-32	1.23E-31
<i>COL1A2</i>	1.5977745	12.28705	1.62E-29	8.08E-29
<i>CD24</i>	1.5975712	10.14905	1.81E-20	6.09E-20
<i>CACNA1E</i>	1.5973516	-0.71775	2.84E-19	9.05E-19
<i>SLC22A10</i>	1.5970514	-2.12426	1.09E-08	2.06E-08
<i>HRASLS2</i>	1.5967731	2.190136	6.18E-16	1.70E-15
<i>HMGA1</i>	1.5963762	7.152199	1.92E-45	1.65E-44
<i>GGH</i>	1.5963568	5.060939	2.69E-27	1.22E-26
<i>BOP1</i>	1.5962543	6.065755	5.49E-41	4.13E-40
<i>CCKAR</i>	1.5952249	-3.09508	1.45E-09	2.89E-09
<i>HGFAC</i>	1.5949368	-1.39829	7.49E-14	1.85E-13
<i>NME2</i>	1.5948152	0.183439	1.20E-26	5.29E-26
<i>TEX35</i>	1.5938001	-3.37108	1.46E-09	2.91E-09
<i>CLEC4D</i>	1.5924951	-1.59388	2.25E-08	4.18E-08
<i>RASGRP1</i>	1.5897715	4.244091	7.88E-23	2.94E-22
<i>DPP10</i>	1.5883245	-0.17098	4.83E-05	7.30E-05
<i>LRN2</i>	1.5881158	5.028317	1.92E-27	8.75E-27
<i>CALHM3</i>	1.5872688	-3.11543	2.12E-10	4.40E-10
<i>SLC25A22</i>	1.5858653	5.146811	2.96E-68	4.53E-67
<i>OR13J1</i>	1.5852698	-2.76532	3.75E-13	8.96E-13
<i>HMX1</i>	1.5832534	-2.38688	8.43E-07	1.43E-06
<i>LRRC26</i>	1.5823376	2.110049	1.55E-11	3.40E-11
<i>TRIM46</i>	1.5822706	2.609383	1.30E-30	6.80E-30
<i>MLPH</i>	1.5819842	8.395538	1.01E-20	3.44E-20
<i>CELSR1</i>	1.581404	7.887943	2.68E-31	1.44E-30
<i>KAZALD1</i>	1.5805448	4.049611	5.97E-24	2.33E-23

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CHEK1</i>	1.5789885	4.175957	5.88E-50	5.68E-49
<i>MAG</i>	1.5762337	0.408856	4.08E-10	8.35E-10
<i>OAS3</i>	1.5756897	7.191284	6.64E-33	3.77E-32
<i>POLE2</i>	1.5748972	2.734636	5.47E-71	8.89E-70
<i>LRRN4</i>	1.5747162	-0.39294	2.93E-08	5.41E-08
<i>LCTL</i>	1.5732799	-0.88779	2.63E-25	1.10E-24
<i>CYP27B1</i>	1.5724029	2.129916	3.38E-23	1.28E-22
<i>POLR3K</i>	1.5720621	4.759952	7.78E-83	1.54E-81
<i>ENO2</i>	1.5718512	5.644236	2.31E-28	1.10E-27
<i>RAD54B</i>	1.5708059	2.274231	3.04E-52	3.12E-51
<i>DNAJC1</i>	1.5707213	6.550023	7.41E-40	5.37E-39
<i>HSPA6</i>	1.5703116	3.163452	5.09E-20	1.67E-19
<i>PTPRN2</i>	1.5697991	4.830039	8.08E-12	1.80E-11
<i>ARSI</i>	1.5668085	2.345069	1.96E-27	8.91E-27
<i>BRCA2</i>	1.5668055	3.594559	5.98E-48	5.49E-47
<i>CDH11</i>	1.566732	7.108812	3.47E-38	2.38E-37
<i>HSPB1</i>	1.5664854	9.141771	3.18E-27	1.43E-26
<i>FAM183A</i>	1.5664306	0.500163	6.10E-18	1.84E-17
<i>TPRG1</i>	1.5663619	6.00624	4.34E-11	9.31E-11
<i>CCK</i>	1.565959	-2.63656	2.16E-05	3.35E-05
<i>GJB3</i>	1.5644958	2.034473	1.30E-08	2.45E-08
<i>SPDEF</i>	1.5639752	7.559428	3.41E-19	1.08E-18
<i>TMEM97</i>	1.5635402	5.381097	2.59E-42	2.03E-41
<i>SEZ6L2</i>	1.5621923	6.331148	2.19E-21	7.69E-21
<i>ENSG00000141854</i>	1.5606692	3.858962	4.82E-32	2.65E-31
<i>REPS2</i>	1.5605106	6.240236	1.49E-21	5.26E-21
<i>NPFFR2</i>	1.5603072	-0.60201	1.82E-08	3.39E-08
<i>TIMELESS</i>	1.5601441	5.704699	1.69E-81	3.28E-80
<i>SLC12A8</i>	1.5597717	4.551622	2.54E-69	4.00E-68

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CHAD</i>	1.559209	5.332609	7.29E-10	1.47E-09
<i>TAP1</i>	1.5587541	7.153551	2.99E-32	1.66E-31
<i>HCN4</i>	1.5581061	-1.21273	1.83E-09	3.62E-09
<i>PCP4</i>	1.5580976	0.369932	5.27E-08	9.59E-08
<i>EVA1B</i>	1.5577457	4.70325	3.34E-23	1.26E-22
<i>P2RY6</i>	1.5576605	2.514725	8.51E-30	4.28E-29
<i>ANKRD62</i>	1.5566763	-3.31078	5.11E-09	9.83E-09
<i>ZNF467</i>	1.5565084	4.525535	3.05E-43	2.45E-42
<i>HS3ST5</i>	1.556382	-0.92748	8.57E-06	1.36E-05
<i>SORCS1</i>	1.5557592	3.18042	7.96E-08	1.43E-07
<i>CHRNA4</i>	1.5551048	-1.34117	1.77E-10	3.69E-10
<i>GDAP1L1</i>	1.5534183	-1.4567	2.69E-10	5.56E-10
<i>C5AR2</i>	1.5532625	4.40405	3.26E-22	1.19E-21
<i>SLC2A14</i>	1.5532427	0.16062	2.59E-08	4.79E-08
<i>PRSS8</i>	1.5529387	7.766577	1.47E-38	1.02E-37
<i>SLC2A1</i>	1.5522938	6.928218	9.54E-39	6.64E-38
<i>PCSK4</i>	1.5522319	2.445297	4.00E-24	1.58E-23
<i>SLC5A7</i>	1.5518589	-0.59183	0.0001755	0.00025607
<i>NME3</i>	1.5504225	5.818752	1.21E-35	7.59E-35
<i>CLDN14</i>	1.5503453	-0.51432	3.19E-20	1.06E-19
<i>TOX3</i>	1.5496104	4.804828	3.85E-15	1.02E-14
<i>PHLDA2</i>	1.549179	3.246374	7.25E-24	2.82E-23
<i>LRRC45</i>	1.5491709	4.870951	1.07E-47	9.74E-47
<i>EXOSC4</i>	1.5487432	4.751477	1.81E-42	1.42E-41
<i>ROGDI</i>	1.5482437	5.499004	1.32E-59	1.64E-58
<i>ENSG00000271810</i>	1.5480536	-2.76595	2.23E-17	6.57E-17
<i>DPP3</i>	1.5478316	6.067358	1.44E-79	2.70E-78
<i>DDC</i>	1.5477759	0.828159	1.35E-05	2.12E-05

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>APOBEC3A</i>	1.5473201	0.509732	6.95E-13	1.64E-12
<i>RTN4RL2</i>	1.5466624	2.204583	2.51E-40	1.85E-39
<i>AGT</i>	1.5459867	4.455412	5.40E-12	1.21E-11
<i>RELT</i>	1.5457712	3.081923	8.47E-60	1.05E-58
<i>LEFTY1</i>	1.5438277	-1.25498	4.16E-12	9.40E-12
<i>CCDC74B</i>	1.542972	2.973891	2.92E-16	8.15E-16
<i>DLX3</i>	1.5428564	2.387308	5.07E-17	1.46E-16
<i>DSCC1</i>	1.5423155	3.509161	3.16E-38	2.17E-37
<i>SDF2L1</i>	1.5421985	4.365012	6.12E-43	4.88E-42
<i>RD3</i>	1.5414911	-2.77666	3.22E-11	6.94E-11
<i>MTCL1</i>	1.5410131	4.105981	1.24E-25	5.22E-25
<i>SELL</i>	1.5408979	4.352233	1.94E-17	5.73E-17
<i>STX1A</i>	1.5401333	3.054333	4.43E-46	3.87E-45
<i>DDX39A</i>	1.540027	6.048354	4.42E-66	6.46E-65
<i>SECTM1</i>	1.538978	5.185526	9.44E-26	4.02E-25
<i>MAGEB17</i>	1.5384745	-0.24779	6.49E-09	1.24E-08
<i>SMC4</i>	1.5378867	6.034633	2.13E-47	1.93E-46
<i>RP11_514O12.4</i>	1.5371834	-1.5591	1.75E-31	9.43E-31
<i>DNMT3B</i>	1.5369107	3.26914	9.03E-37	5.88E-36
<i>ADAM2</i>	1.535537	-1.21408	0.0051493	0.0067636
<i>FCRL3</i>	1.5344801	1.378199	8.44E-12	1.88E-11
<i>EVL</i>	1.5336832	8.095765	7.59E-31	4.00E-30
<i>MESP2</i>	1.533633	1.265429	1.35E-16	3.84E-16
<i>CD207</i>	1.5335053	1.924873	6.23E-12	1.40E-11
<i>PLEK2</i>	1.5326161	3.165754	1.03E-38	7.16E-38
<i>CALCA</i>	1.5319716	-1.6448	0.0006601	0.00092553
<i>ZYG11A</i>	1.5310458	2.652057	1.29E-25	5.44E-25
<i>TUFT1</i>	1.5298873	5.992203	2.77E-69	4.34E-68
<i>DNAJC22</i>	1.5291895	4.196482	1.08E-19	3.50E-19

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>MICAL2</i>	1.5281336	6.706716	8.53E-58	1.01E-56
<i>CBX8</i>	1.5269806	3.664564	2.37E-57	2.78E-56
<i>FAM110A</i>	1.526156	5.165493	1.02E-53	1.08E-52
<i>CRIP1</i>	1.5261204	2.167515	1.24E-24	5.00E-24
<i>HGH1</i>	1.5259602	5.600456	1.33E-60	1.69E-59
<i>COL12A1</i>	1.5257516	9.228851	6.91E-28	3.21E-27
<i>SLC6A17</i>	1.5243358	1.529043	1.51E-11	3.31E-11
<i>RAB25</i>	1.5240239	6.919941	6.65E-52	6.79E-51
<i>HIST4H4</i>	1.5230416	1.898753	8.69E-20	2.83E-19
<i>OAS1</i>	1.5225735	6.223407	2.73E-27	1.24E-26
<i>AXDND1</i>	1.5222013	-1.37938	2.44E-18	7.44E-18
<i>UCN</i>	1.5218047	0.281209	6.73E-27	3.00E-26
<i>DLX1</i>	1.5215783	1.93569	1.01E-06	1.70E-06
<i>NCAM2</i>	1.5208751	4.353143	6.53E-14	1.62E-13
<i>QPRT</i>	1.5202847	4.759677	1.67E-21	5.89E-21
<i>KCNK6</i>	1.5202424	5.952121	1.71E-36	1.10E-35
<i>RND1</i>	1.5184401	4.332402	7.20E-22	2.58E-21
<i>TMEM184A</i>	1.518238	4.586549	1.31E-34	7.96E-34
<i>SLC1A2</i>	1.5174226	4.433653	1.25E-13	3.05E-13
<i>C6orf211</i>	1.5166666	6.9778	1.28E-21	4.53E-21
<i>RAB19</i>	1.51666	0.525924	7.02E-29	3.40E-28
<i>H2AFZ</i>	1.5164048	7.589715	1.10E-79	2.08E-78
<i>TRIM71</i>	1.5162734	-1.80651	1.78E-09	3.52E-09
<i>GRB7</i>	1.515838	6.062043	5.56E-17	1.60E-16
<i>TMC3</i>	1.5139825	1.219848	1.79E-08	3.34E-08
<i>NOD2</i>	1.513687	3.355188	3.47E-33	2.00E-32
<i>VNN3</i>	1.5129497	-0.93494	7.22E-07	1.23E-06
<i>FKBP4</i>	1.5128513	8.676594	1.18E-60	1.51E-59

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>TEKT4</i>	1.5124357	-1.75559	1.02E-10	2.16E-10
<i>ETNK2</i>	1.5119248	5.739181	3.35E-26	1.45E-25
<i>FLVCR1</i>	1.5114975	4.804891	1.14E-77	2.07E-76
<i>SLC6A15</i>	1.5114199	1.477457	4.91E-05	7.41E-05
<i>ANO9</i>	1.5108053	4.186598	3.80E-34	2.27E-33
<i>GRK1</i>	1.5106979	-2.75097	1.08E-09	2.16E-09
<i>FANCD2</i>	1.5092277	4.634177	1.80E-62	2.41E-61
<i>TMEM79</i>	1.5084684	4.815015	1.19E-51	1.20E-50
<i>STRA13</i>	1.5083745	5.446888	3.00E-48	2.78E-47
<i>BHLHA15</i>	1.5078734	0.00515	1.72E-15	4.63E-15
<i>MTHFD2</i>	1.5064848	6.729399	1.74E-69	2.75E-68
<i>KIF22</i>	1.5053863	6.238229	1.80E-84	3.66E-83
<i>POTEH</i>	1.5047421	-3.3232	1.94E-08	3.62E-08
<i>DHDH</i>	1.5044941	0.053051	2.15E-20	7.20E-20
<i>EME2</i>	1.5019345	4.209824	9.36E-36	5.90E-35
<i>CACNA1I</i>	1.5007374	1.339131	1.02E-14	2.63E-14
<i>RIMKLA</i>	1.4995485	2.64786	2.17E-18	6.66E-18
<i>PLA2G4F</i>	1.4985067	2.676317	6.59E-19	2.06E-18
<i>RUSC1</i>	1.4983837	6.12089	4.54E-92	1.03E-90
<i>CYP2B6</i>	1.4977694	-1.37265	8.90E-06	1.41E-05
<i>EGR4</i>	1.4938295	-1.29872	6.03E-08	1.09E-07
<i>MARCKSL1</i>	1.493246	8.570148	8.80E-68	1.32E-66
<i>GZMB</i>	1.493118	2.049553	1.91E-12	4.40E-12
<i>ANO7</i>	1.4929496	1.597348	5.56E-21	1.92E-20
<i>SH2D6</i>	1.4929171	-1.45919	1.27E-24	5.11E-24
<i>EVX1</i>	1.4920171	-2.08479	5.35E-07	9.16E-07
<i>MRPL12</i>	1.4916427	4.288049	3.76E-30	1.92E-29
<i>HES7</i>	1.4909473	-2.55394	4.79E-11	1.02E-10
<i>CREG2</i>	1.4903168	-0.8276	2.26E-20	7.56E-20

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CHAC1</i>	1.4892364	1.669554	1.05E-20	3.55E-20
<i>STXBP2</i>	1.4879935	5.828728	1.03E-56	1.18E-55
<i>C5orf38</i>	1.4874006	4.33721	5.47E-14	1.36E-13
<i>PRSS22</i>	1.4868357	3.830569	6.91E-33	3.92E-32
<i>MBOAT2</i>	1.4853997	6.522653	2.49E-39	1.78E-38
<i>MST1R</i>	1.484562	4.400819	5.72E-36	3.63E-35
<i>CBLC</i>	1.4838187	4.338841	1.22E-26	5.37E-26
<i>DRAXIN</i>	1.4822024	1.147219	1.78E-18	5.48E-18
<i>SYCP2</i>	1.4806272	5.375472	8.04E-22	2.87E-21
<i>PSMD3</i>	1.4792651	7.930684	6.19E-27	2.76E-26
<i>OPRK1</i>	1.4791505	-0.24444	5.16E-05	7.78E-05
<i>WFIKKN1</i>	1.4782152	0.27956	1.04E-22	3.85E-22
<i>GZMK</i>	1.4781405	2.543125	1.85E-14	4.74E-14
<i>DNAH3</i>	1.4780935	0.119765	4.08E-11	8.77E-11
<i>C9orf117</i>	1.4778075	2.192292	7.52E-45	6.34E-44
<i>MDK</i>	1.4777528	7.510181	3.86E-27	1.74E-26
<i>SAC3D1</i>	1.4771633	3.829077	7.49E-44	6.14E-43
<i>SLC39A11</i>	1.4749148	6.647111	2.95E-48	2.73E-47
<i>DRD4</i>	1.4739668	-0.19969	4.42E-24	1.74E-23
<i>SERPINC1</i>	1.4739347	-1.68003	5.94E-19	1.86E-18
<i>GSG1L</i>	1.4736215	-1.17994	1.22E-07	2.16E-07
<i>SPATC1</i>	1.473331	-1.55735	1.06E-25	4.51E-25
<i>ENSG00000276418</i>	1.4720217	-1.39877	5.90E-31	3.13E-30
<i>ZNF552</i>	1.4717225	6.053129	4.97E-26	2.13E-25
<i>SHISA7</i>	1.4709983	-2.06893	6.58E-09	1.26E-08
<i>APOBR</i>	1.4703109	4.183287	9.83E-26	4.18E-25
<i>CLDN3</i>	1.4701904	6.377174	2.24E-20	7.47E-20
<i>C2CD4D</i>	1.4698467	1.115814	7.03E-28	3.26E-27

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CACFD1</i>	1.4692434	5.679806	1.56E-61	2.03E-60
<i>CACNB3</i>	1.4687694	5.502891	6.12E-62	8.12E-61
<i>IFIT1</i>	1.468557	6.640241	2.04E-16	5.74E-16
<i>SERPINB2</i>	1.4673137	1.064885	2.61E-06	4.27E-06
<i>MROH9</i>	1.4657384	-2.7873	1.97E-07	3.46E-07
<i>PNPLA1</i>	1.4656893	-2.70374	6.31E-13	1.49E-12
<i>BSND</i>	1.465551	-2.64887	3.51E-09	6.82E-09
<i>SPRR1A</i>	1.4641783	-0.70609	0.0021154	0.00286329
<i>MBOAT7</i>	1.463333	7.011493	3.11E-69	4.87E-68
<i>TG</i>	1.4619915	0.191515	4.86E-19	1.53E-18
<i>CHPF</i>	1.4600798	7.150431	6.67E-57	7.72E-56
<i>KRT72</i>	1.4600195	-2.90009	4.43E-06	7.16E-06
<i>SLC12A3</i>	1.4598745	-0.58678	5.41E-10	1.10E-09
<i>NACC1</i>	1.4587789	6.685523	8.35E-104	2.34E-102
<i>ST18</i>	1.4582639	-1.10469	4.44E-14	1.11E-13
<i>COL24A1</i>	1.4577712	1.685017	1.02E-34	6.21E-34
<i>FXVD3</i>	1.4577498	7.817084	2.49E-28	1.18E-27
<i>TUBA1C</i>	1.4573666	6.631849	5.50E-71	8.94E-70
<i>HIST1H3E</i>	1.4568123	0.715709	8.54E-23	3.18E-22
<i>EEF1A2</i>	1.4558787	6.771386	9.96E-09	1.89E-08
<i>FAM155A</i>	1.455419	2.285476	5.20E-15	1.36E-14
<i>YDJC</i>	1.4549834	4.252498	1.76E-50	1.73E-49
<i>SAG</i>	1.4544984	-1.78725	4.15E-12	9.38E-12
<i>NECAB3</i>	1.4535983	5.537166	7.49E-40	5.42E-39
<i>CLEC11A</i>	1.45257	4.092932	1.48E-27	6.77E-27
<i>C4A</i>	1.4524807	6.106692	2.03E-14	5.19E-14
<i>IGFL1</i>	1.4493557	-0.16977	3.98E-07	6.87E-07
<i>TRIM58</i>	1.4486398	1.780316	1.29E-11	2.83E-11
<i>CORO2A</i>	1.4479763	5.801517	4.51E-43	3.61E-42

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CHRD</i>	1.4479161	4.823922	4.53E-16	1.25E-15
<i>CDK5</i>	1.4478893	4.34948	1.96E-75	3.45E-74
<i>TMEM206</i>	1.4471426	3.83927	1.52E-75	2.68E-74
<i>RIMS1</i>	1.4458231	1.874326	3.29E-09	6.41E-09
<i>RAB3A</i>	1.4454895	2.815318	3.96E-39	2.79E-38
<i>RPL39L</i>	1.4449779	4.001279	2.31E-32	1.29E-31
<i>EPCAM</i>	1.4441605	7.924734	1.46E-41	1.12E-40
<i>PLA2G2D</i>	1.4434027	2.482799	1.99E-08	3.71E-08
<i>HMSD</i>	1.4418191	-1.79284	1.78E-11	3.88E-11
<i>ZSCAN1</i>	1.4405244	0.524177	1.59E-11	3.48E-11
<i>OSM</i>	1.4402436	1.490613	8.42E-21	2.87E-20
<i>PCNA</i>	1.4401824	6.930942	2.39E-74	4.09E-73
<i>LIME1</i>	1.4400846	1.217638	2.52E-29	1.25E-28
<i>ACOT7</i>	1.439987	4.980305	1.10E-48	1.03E-47
<i>EPHA10</i>	1.4387367	3.057769	1.10E-25	4.67E-25
<i>CCDC150</i>	1.4380235	1.176029	3.39E-31	1.81E-30
<i>PRR15L</i>	1.4377731	5.77891	1.48E-24	5.95E-24
<i>CYP4Z1</i>	1.43766	6.2905	1.15E-05	1.81E-05
<i>PGAP3</i>	1.436748	6.521518	1.76E-19	5.63E-19
<i>ENSG00000274897</i>	1.4366286	-0.4329	3.53E-38	2.42E-37
<i>TIFAB</i>	1.4359236	-0.08084	2.30E-13	5.55E-13
<i>SPINT2</i>	1.4359179	9.126868	2.67E-54	2.90E-53
<i>SGOL2</i>	1.4357377	3.802093	5.63E-58	6.71E-57
<i>MRPS34</i>	1.4344991	6.232181	7.61E-59	9.27E-58
<i>LSM4</i>	1.4337415	6.665549	6.12E-70	9.76E-69
<i>SCRG1</i>	1.4333368	2.401681	1.67E-06	2.78E-06
<i>TTC39A</i>	1.4330477	7.023023	2.64E-25	1.10E-24
<i>AKAP5</i>	1.4329244	3.438127	3.88E-22	1.41E-21

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>C4B</i>	1.4322437	6.245494	4.98E-14	1.25E-13
<i>KRT10</i>	1.4321704	5.373727	1.98E-18	6.08E-18
<i>NR2E1</i>	1.4319308	-1.72917	0.0001731	0.00025275
<i>SYT17</i>	1.4306678	4.540883	1.28E-18	3.96E-18
<i>VPREB3</i>	1.4282702	-0.02719	2.10E-11	4.57E-11
<i>CHAF1B</i>	1.4281173	4.495795	3.61E-52	3.71E-51
<i>GGCT</i>	1.4276139	6.384179	1.46E-53	1.55E-52
<i>REEP4</i>	1.4269878	4.85892	7.66E-58	9.09E-57
<i>MCEMP1</i>	1.4269877	-1.20416	6.31E-12	1.41E-11
<i>ABHD17C</i>	1.4267598	5.066209	6.60E-44	5.43E-43
<i>VAV3</i>	1.4265285	7.579649	4.75E-24	1.86E-23
<i>LMNB2</i>	1.4255137	6.2387	4.12E-61	5.31E-60
<i>CREB3L3</i>	1.4254681	-3.34149	1.60E-10	3.34E-10
<i>RXFP1</i>	1.4241344	-1.83595	6.59E-15	1.72E-14
<i>RPUSD1</i>	1.4229692	4.917168	2.24E-62	3.00E-61
<i>IGLL1</i>	1.4222635	-2.28313	2.81E-06	4.60E-06
<i>RGAG1</i>	1.4217051	0.330286	1.31E-08	2.47E-08
<i>RARRES3</i>	1.4216834	6.968545	9.40E-21	3.20E-20
<i>MKX</i>	1.4211102	3.408484	5.80E-07	9.91E-07
<i>SERINC2</i>	1.4209288	7.631982	2.24E-37	1.49E-36
<i>C12orf42</i>	1.4191557	-2.07195	4.39E-10	8.98E-10
<i>ITIH6</i>	1.4190631	2.922059	3.27E-13	7.83E-13
<i>DONSON</i>	1.4187745	4.174739	3.40E-60	4.29E-59
<i>TBC1D3D</i>	1.4184891	-2.85306	0.0029633	0.00396294
<i>LOXL1</i>	1.4175565	5.861033	1.10E-38	7.65E-38
<i>EPS8L1</i>	1.4170798	5.314036	1.66E-30	8.61E-30
<i>APOF</i>	1.4163009	-0.49103	1.43E-08	2.69E-08
<i>CKAP2</i>	1.4162105	5.257266	1.76E-60	2.23E-59
<i>CACNA1D</i>	1.4158269	4.686267	5.33E-18	1.61E-17

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>WNK4</i>	1.4153503	5.089796	9.45E-10	1.90E-09
<i>TDRD1</i>	1.4150208	2.125573	1.91E-06	3.16E-06
<i>LAMTOR2</i>	1.4143462	5.968662	7.53E-60	9.40E-59
<i>CDCA7</i>	1.4136974	3.453389	2.58E-13	6.21E-13
<i>TTLL12</i>	1.4134506	6.78087	2.26E-39	1.61E-38
<i>EIF4EBP1</i>	1.4131791	5.84062	1.83E-23	6.98E-23
<i>UMOD</i>	1.4127432	-1.06806	3.84E-08	7.05E-08
<i>TRIM11</i>	1.4119752	5.456818	5.42E-86	1.14E-84
<i>FZD2</i>	1.4119306	2.96768	2.43E-40	1.79E-39
<i>NLRP6</i>	1.4117771	-0.39027	3.39E-14	8.56E-14
<i>LAIR2</i>	1.4116933	-1.40349	4.06E-11	8.71E-11
<i>COL3A1</i>	1.4116516	12.1465	2.76E-23	1.05E-22
<i>HOXB2</i>	1.4090752	5.316995	5.27E-16	1.46E-15
<i>C9orf84</i>	1.4081899	-0.44288	1.12E-11	2.47E-11
<i>NRIP3</i>	1.4078501	4.906077	4.82E-10	9.84E-10
<i>LMNTD2</i>	1.4066593	2.020005	4.11E-23	1.55E-22
<i>BAMBI</i>	1.4064132	6.465325	5.08E-16	1.40E-15
<i>CRYM</i>	1.4063083	1.855657	5.38E-08	9.78E-08
<i>PDIA2</i>	1.4056068	-0.15651	7.07E-07	1.20E-06
<i>RAC3</i>	1.4052695	4.429097	5.04E-32	2.77E-31
<i>SCGB1D2</i>	1.405036	8.181386	0.0001047	0.00015508
<i>ACOXL</i>	1.4043674	-0.47732	4.32E-17	1.25E-16
<i>ABRACL</i>	1.4033985	5.407516	3.88E-40	2.83E-39
<i>PPFIA3</i>	1.4032925	4.009128	3.75E-30	1.91E-29
<i>ATP6V0B</i>	1.4029613	7.186045	1.62E-75	2.85E-74
<i>CYFIP2</i>	1.4028763	5.555936	1.73E-26	7.57E-26
<i>BST2</i>	1.4028097	7.837112	9.54E-22	3.39E-21
<i>DHRS2</i>	1.4026616	7.402181	3.30E-05	5.05E-05

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CENPL</i>	1.4006284	3.527562	4.32E-68	6.57E-67
<i>SLC11A1</i>	1.3994104	2.931945	2.30E-28	1.09E-27
<i>BBC3</i>	1.398485	3.680872	3.07E-37	2.04E-36
<i>MAGEB4</i>	1.3977222	-1.43835	0.0014952	0.00204545
<i>CENPN</i>	1.3969937	3.428524	5.68E-39	3.98E-38
<i>GPR18</i>	1.3969467	0.273339	4.16E-15	1.09E-14
<i>STK31</i>	1.3962516	-0.13691	1.59E-11	3.48E-11
<i>ABHD11</i>	1.3947208	5.881942	5.48E-46	4.77E-45
<i>SLC52A3</i>	1.3917529	4.600813	5.93E-31	3.14E-30
<i>ZNF469</i>	1.3912094	4.827008	2.23E-28	1.06E-27
<i>C1orf64</i>	1.390802	4.487265	4.80E-07	8.25E-07
<i>CR1L</i>	1.3900869	-2.22602	1.39E-12	3.23E-12
<i>SPAG1</i>	1.3900085	4.290972	2.56E-45	2.19E-44
<i>APOC2</i>	1.3885213	-1.99328	3.11E-20	1.03E-19
<i>MZT2A</i>	1.3883606	5.284116	3.59E-34	2.15E-33
<i>RHCE</i>	1.3882184	0.488741	2.26E-25	9.42E-25
<i>ENSG00000271698</i>	1.3881303	-3.18543	2.63E-17	7.71E-17
<i>SLC22A31</i>	1.3880065	-0.38876	2.01E-06	3.32E-06
<i>SEMA7A</i>	1.3868941	3.359778	1.20E-37	8.01E-37
<i>C19orf26</i>	1.3868722	0.313212	8.25E-29	3.99E-28
<i>MMEL1</i>	1.3867783	1.864791	4.22E-24	1.66E-23
<i>PLAU</i>	1.3850468	6.562706	6.14E-28	2.86E-27
<i>PNLDC1</i>	1.3837966	0.889324	4.55E-07	7.83E-07
<i>LYZ</i>	1.3836814	7.31229	5.53E-14	1.38E-13
<i>GADD45G</i>	1.3830946	3.789919	3.55E-19	1.13E-18
<i>ADCK5</i>	1.3823924	3.552276	5.52E-38	3.75E-37
<i>FGL1</i>	1.3819862	0.301378	8.91E-05	0.00013266
<i>SNRNP25</i>	1.3816787	5.325325	3.66E-61	4.74E-60
<i>SRCIN1</i>	1.3804846	4.847923	5.01E-22	1.81E-21

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>RASGRF1</i>	1.3802544	2.045022	1.70E-12	3.93E-12
<i>ATRNL1</i>	1.3795966	3.378743	1.07E-07	1.91E-07
<i>MZB1</i>	1.3793994	4.75091	1.76E-12	4.06E-12
<i>TEX22</i>	1.3777175	0.018473	2.46E-24	9.80E-24
<i>SNX22</i>	1.3774029	3.107305	3.40E-18	1.03E-17
<i>ADAP1</i>	1.3765176	2.430768	1.05E-24	4.28E-24
<i>CPA4</i>	1.3757071	2.740285	6.24E-09	1.20E-08
<i>MMP25</i>	1.3755052	2.60553	7.41E-16	2.03E-15
<i>LMTK3</i>	1.3752089	3.675334	2.39E-20	7.98E-20
<i>DNAI1</i>	1.3749123	1.148182	1.22E-12	2.83E-12
<i>CTPS1</i>	1.3742916	5.25075	2.13E-45	1.84E-44
<i>RAPGEFL1</i>	1.3738979	4.565861	1.54E-16	4.36E-16
<i>PPP4C</i>	1.3737703	6.985197	2.54E-76	4.52E-75
<i>LRFN4</i>	1.3735655	4.384485	1.44E-27	6.61E-27
<i>RPRM</i>	1.3723393	-0.97671	3.63E-07	6.27E-07
<i>CDK5R1</i>	1.371229	2.693917	4.83E-34	2.87E-33
<i>PCDH17</i>	1.3707158	3.581329	7.46E-47	6.62E-46
<i>GPR160</i>	1.3689151	5.684711	1.24E-29	6.19E-29
<i>NUDT16L1</i>	1.3686785	5.287826	6.06E-61	7.78E-60
<i>RUNX2</i>	1.3673718	4.452834	9.22E-32	5.02E-31
<i>APOA1BP</i>	1.3666842	6.995004	3.78E-69	5.90E-68
<i>HES4</i>	1.366643	2.932767	3.76E-21	1.31E-20
<i>MICB</i>	1.3662553	3.336172	2.57E-28	1.22E-27
<i>AIFM3</i>	1.3662037	1.098677	1.26E-27	5.80E-27
<i>CLEC7A</i>	1.3661318	3.732847	2.20E-21	7.70E-21
<i>GOLM1</i>	1.3654176	8.061521	2.62E-35	1.63E-34
<i>MZT2B</i>	1.3643493	6.111801	1.83E-28	8.73E-28
<i>C12orf74</i>	1.363811	-2.78974	2.79E-06	4.57E-06

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CCDC155</i>	1.3637689	-1.86977	5.60E-07	9.59E-07
<i>CLCN2</i>	1.3636082	3.38517	1.30E-58	1.57E-57
<i>DGAT2L6</i>	1.363381	-2.96002	2.51E-05	3.88E-05
<i>ZNF729</i>	1.3627733	-1.57586	0.0001414	0.00020787
<i>NVL</i>	1.3613327	5.614115	1.18E-71	1.94E-70
<i>CMPK2</i>	1.3608524	4.270056	3.84E-21	1.33E-20
<i>CCDC114</i>	1.3603937	1.050817	1.72E-19	5.52E-19
<i>LRRC52</i>	1.3597975	-3.23471	1.67E-05	2.60E-05
<i>TMED3</i>	1.359684	7.452576	1.11E-63	1.54E-62
<i>IL24</i>	1.3594046	2.034118	3.05E-20	1.01E-19
<i>SFXN5</i>	1.3591192	5.044063	5.40E-31	2.86E-30
<i>C14orf80</i>	1.3589486	3.693171	1.47E-33	8.56E-33
<i>C1orf112</i>	1.3585167	3.791007	1.82E-61	2.37E-60
<i>C11orf88</i>	1.3583325	-1.46072	6.46E-10	1.31E-09
<i>SLC35A2</i>	1.3579297	5.807045	1.15E-100	3.01E-99
<i>AP006285.2</i>	1.3552246	-0.14295	3.14E-20	1.04E-19
<i>OR8G5</i>	1.3551957	-3.32394	0.0012875	0.00176964
<i>PRKCG</i>	1.3551552	-2.47879	4.55E-09	8.79E-09
<i>HN1L</i>	1.3550473	7.986217	4.39E-81	8.46E-80
<i>SYNE4</i>	1.3547385	4.347255	1.04E-33	6.10E-33
<i>CCND1</i>	1.354265	9.208945	4.01E-19	1.27E-18
<i>BGLAP</i>	1.3540572	-0.04362	2.90E-12	6.60E-12
<i>TMEM8A</i>	1.3536977	6.209823	3.65E-70	5.84E-69
<i>CYB561</i>	1.353337	7.736248	2.69E-45	2.30E-44
<i>EN2</i>	1.3517322	-0.34238	3.00E-06	4.90E-06
<i>NFE2</i>	1.3504905	0.516777	2.65E-12	6.05E-12
<i>RETN</i>	1.3504591	-2.29555	6.71E-09	1.28E-08
<i>QPCT</i>	1.3503559	3.954047	4.95E-19	1.56E-18
<i>CERS2</i>	1.3499089	8.399731	6.55E-63	8.86E-62

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>MRPL14</i>	1.348983	5.614853	8.97E-54	9.56E-53
<i>C19orf84</i>	1.348818	-2.4628	1.59E-15	4.28E-15
<i>NCR3LG1</i>	1.3478866	1.790273	6.09E-16	1.68E-15
<i>KCNG2</i>	1.3475308	-2.03309	2.46E-16	6.90E-16
<i>GRPR</i>	1.3472946	3.584738	6.01E-07	1.03E-06
<i>TMEM63B</i>	1.346866	6.34161	1.01E-82	2.00E-81
<i>PFKFB4</i>	1.3464918	3.733576	2.52E-58	3.02E-57
<i>LENEP</i>	1.3463711	-2.79359	2.49E-13	6.01E-13
<i>SLC30A2</i>	1.3462929	1.20797	2.86E-08	5.28E-08
<i>LAPTM4B</i>	1.3455975	7.855693	1.13E-22	4.18E-22
<i>MMP14</i>	1.3451985	8.846221	6.47E-35	3.97E-34
<i>NHLH2</i>	1.3445684	-1.16703	5.61E-06	9.01E-06
<i>CENPP</i>	1.344482	3.541101	4.35E-40	3.17E-39
<i>SLC2A10</i>	1.3442258	6.505909	1.06E-27	4.89E-27
<i>ENHO</i>	1.344166	2.535997	6.18E-10	1.25E-09
<i>ERN2</i>	1.3422755	-1.32774	7.19E-05	0.00010768
<i>WDR76</i>	1.3421858	3.938867	1.64E-54	1.79E-53
<i>PVRL2</i>	1.3421341	7.865062	1.01E-59	1.25E-58
<i>FLT3</i>	1.3421019	2.818708	1.56E-10	3.26E-10
<i>GAS2L3</i>	1.342042	3.250905	2.46E-37	1.63E-36
<i>C9orf142</i>	1.3416738	4.920696	8.19E-37	5.35E-36
<i>ANGPTL6</i>	1.3414002	-1.0867	5.29E-33	3.02E-32
<i>CTSD</i>	1.3403247	10.03579	7.30E-30	3.68E-29
<i>TMPRSS11A</i>	1.3401006	-1.87648	0.0005125	0.00072423
<i>GPR137C</i>	1.3399711	2.04662	1.28E-33	7.48E-33
<i>P2RX5</i>	1.3393831	0.682605	3.42E-11	7.37E-11
<i>FOXN4</i>	1.3392152	-1.17263	5.46E-06	8.78E-06
<i>LRRC59</i>	1.3388621	7.715938	6.03E-47	5.39E-46

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CANT1</i>	1.3387372	7.406984	3.86E-52	3.96E-51
<i>PGP</i>	1.3386105	4.461742	2.35E-56	2.69E-55
<i>SLC27A2</i>	1.3376675	4.517339	4.14E-09	8.02E-09
<i>CRABP1</i>	1.33759	5.031568	5.87E-05	8.84E-05
<i>PTPN7</i>	1.3368906	3.322527	3.25E-22	1.18E-21
<i>NKX1_2</i>	1.3364937	0.618941	0.0004982	0.00070477
<i>RTN4R</i>	1.3363869	2.472213	1.22E-28	5.87E-28
<i>TSTD1</i>	1.3358261	6.159026	3.71E-39	2.62E-38
<i>TRAIP</i>	1.335391	2.755787	3.86E-59	4.74E-58
<i>GRIK4</i>	1.3353214	1.530684	7.43E-14	1.84E-13
<i>SPIRE2</i>	1.3346111	3.5812	3.53E-33	2.03E-32
<i>LCN2</i>	1.3335548	4.807731	3.56E-06	5.79E-06
<i>DPF1</i>	1.3328717	-0.20055	1.61E-24	6.45E-24
<i>LRRC6</i>	1.3323419	3.399291	4.08E-22	1.48E-21
<i>NLRP2</i>	1.3322002	5.041513	4.72E-08	8.60E-08
<i>RFPL2</i>	1.3321008	-2.67895	2.15E-13	5.21E-13
<i>COL26A1</i>	1.3318456	0.301973	2.07E-08	3.86E-08
<i>LAD1</i>	1.3312163	6.148383	3.43E-15	9.09E-15
<i>SMIM1</i>	1.3300699	1.476422	4.52E-23	1.70E-22
<i>KRT83</i>	1.3293181	0.159124	5.30E-05	8.00E-05
<i>EFR3B</i>	1.3286356	3.463841	6.72E-20	2.20E-19
<i>IQCD</i>	1.3284428	1.798632	7.76E-41	5.81E-40
<i>LCT</i>	1.3269663	-0.16341	6.89E-06	1.10E-05
<i>ACE2</i>	1.3267623	2.115715	4.01E-05	6.09E-05
<i>TMEM54</i>	1.3261165	5.734211	1.97E-44	1.64E-43
<i>KCNV1</i>	1.3256153	-2.79105	0.0007425	0.00103686
<i>MGAM</i>	1.3247134	2.287361	9.17E-08	1.64E-07
<i>EFNA4</i>	1.3240346	4.628484	3.22E-35	2.00E-34
<i>EZR</i>	1.3239917	8.702969	4.03E-68	6.14E-67

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>PAGR1</i>	1.3231128	3.473529	4.35E-48	4.01E-47
<i>ADAM12</i>	1.3226481	6.739978	1.05E-22	3.91E-22
<i>FAM81B</i>	1.3226164	-0.1653	6.00E-08	1.09E-07
<i>FAM133A</i>	1.3218859	-0.47933	1.35E-07	2.40E-07
<i>CD1B</i>	1.3218434	-0.90736	4.29E-08	7.84E-08
<i>OVOL1</i>	1.3212822	3.482535	6.96E-27	3.10E-26
<i>CLDN7</i>	1.3204267	6.776467	1.19E-39	8.54E-39
<i>ABAT</i>	1.32	6.11147	8.28E-16	2.26E-15
<i>OIT3</i>	1.3198909	-1.59458	1.11E-14	2.87E-14
<i>FAM129C</i>	1.3196677	0.623008	6.77E-10	1.37E-09
<i>PIK3R2</i>	1.3196189	-0.17389	1.40E-40	1.04E-39
<i>PKP3</i>	1.3175729	6.198576	4.35E-40	3.17E-39
<i>ANKRD18B</i>	1.3171185	-1.80602	2.31E-05	3.56E-05
<i>SP140</i>	1.3170625	2.271494	4.57E-20	1.51E-19
<i>FNDC1</i>	1.3153939	6.310205	3.19E-17	9.30E-17
<i>CFAP221</i>	1.3150595	0.41022	5.01E-11	1.07E-10
<i>NKD2</i>	1.3145586	2.989224	3.74E-21	1.30E-20
<i>GALNT7</i>	1.314138	6.944903	2.10E-25	8.78E-25
<i>PCDHA12</i>	1.3141188	0.350125	6.21E-08	1.12E-07
<i>IL12RB2</i>	1.313854	0.494547	4.42E-08	8.08E-08
<i>MAZ</i>	1.3129138	6.232258	2.28E-88	4.91E-87
<i>KCNK10</i>	1.3128012	-2.16154	3.61E-09	7.00E-09
<i>HSD17B7</i>	1.3127894	3.926531	8.64E-56	9.74E-55
<i>TRPM2</i>	1.3125641	4.357134	3.13E-32	1.74E-31
<i>FKBP10</i>	1.3125379	7.416766	1.73E-38	1.19E-37
<i>PPAPDC1B</i>	1.3124004	6.231523	2.15E-25	8.99E-25
<i>SLC34A1</i>	1.3111166	-3.38624	1.79E-09	3.53E-09
<i>BLK</i>	1.310412	0.690705	1.06E-07	1.89E-07

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>IER3</i>	1.3097981	6.815064	3.91E-23	1.48E-22
<i>SLC12A1</i>	1.3094739	1.06919	1.71E-06	2.85E-06
<i>TTYH3</i>	1.3094604	6.793068	1.58E-47	1.44E-46
<i>TBC1D3B</i>	1.3093324	-2.35815	1.18E-09	2.36E-09
<i>TMEM45A</i>	1.3093309	5.234112	1.29E-17	3.84E-17
<i>SOWAHD</i>	1.3085632	-0.00696	9.36E-30	4.70E-29
<i>CENPO</i>	1.3084806	3.820067	7.60E-61	9.75E-60
<i>MCOLN2</i>	1.3065199	2.05627	5.19E-25	2.13E-24
<i>COA6</i>	1.306472	4.562888	8.06E-61	1.03E-59
<i>AK8</i>	1.3062337	2.393946	1.55E-28	7.42E-28
<i>PTCRA</i>	1.3061593	-1.99394	4.18E-14	1.05E-13
<i>PPP1R35</i>	1.3060802	3.997867	1.81E-40	1.34E-39
<i>ATP2C2</i>	1.3060212	4.322861	7.16E-20	2.34E-19
<i>KCNC2</i>	1.3059762	3.235383	0.0035002	0.00465479
<i>OAZ3</i>	1.3052182	2.697674	5.46E-35	3.36E-34
<i>ABCA12</i>	1.3049766	4.762149	9.40E-08	1.68E-07
<i>SKAP1</i>	1.304715	4.043778	1.23E-18	3.79E-18
<i>P2RY10</i>	1.3045951	1.483835	2.66E-13	6.39E-13
<i>FBXL19</i>	1.3040998	4.971388	3.06E-66	4.48E-65
<i>ARL9</i>	1.304048	1.05165	1.50E-11	3.29E-11
<i>MTFP1</i>	1.3035221	1.781021	1.30E-35	8.14E-35
<i>TNFRSF4</i>	1.3032007	1.959194	2.89E-24	1.15E-23
<i>ENSG00000187695</i>	1.30307	0.442891	3.77E-17	1.10E-16
<i>ENPP5</i>	1.3029142	5.881362	2.64E-15	7.05E-15
<i>SLC52A1</i>	1.3027451	1.120044	1.08E-12	2.53E-12
<i>HTR6</i>	1.3024563	-2.61103	9.63E-08	1.72E-07
<i>LRP1B</i>	1.301327	3.853968	5.99E-05	9.01E-05
<i>MAGED2</i>	1.3011502	9.605871	2.96E-29	1.46E-28
<i>SNRPB</i>	1.3009397	7.451113	5.86E-61	7.53E-60

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>RABEP2</i>	1.2993281	5.190248	1.99E-42	1.56E-41
<i>HYAL3</i>	1.2992102	2.396588	3.35E-40	2.45E-39
<i>CES5A</i>	1.2991942	-3.06835	0.0003639	0.00051993
<i>GNG8</i>	1.298817	-3.01833	1.93E-12	4.44E-12
<i>SLC6A11</i>	1.298597	1.896459	1.04E-06	1.74E-06
<i>DCTPP1</i>	1.2983377	5.776403	3.25E-67	4.84E-66
<i>ALYREF</i>	1.2983076	5.951136	9.45E-44	7.71E-43
<i>SSX2IP</i>	1.2978105	5.077149	7.02E-65	9.99E-64
<i>OSCAR</i>	1.2976897	2.438418	1.10E-31	6.00E-31
<i>WDHD1</i>	1.2976542	4.124309	2.34E-52	2.41E-51
<i>CTB_102L5.4</i>	1.2974997	-0.49439	2.45E-10	5.06E-10
<i>FBXO16</i>	1.2972543	2.111147	1.13E-26	4.99E-26
<i>FAM171A2</i>	1.2945763	1.97701	1.41E-18	4.34E-18
<i>CDCA4</i>	1.2944628	4.396375	8.31E-60	1.04E-58
<i>NR2F6</i>	1.2938587	6.109713	3.76E-59	4.62E-58
<i>BCL2L12</i>	1.2935881	4.042986	6.60E-43	5.26E-42
<i>GHRHR</i>	1.2934352	-2.58551	5.79E-05	8.71E-05
<i>TSEN54</i>	1.2930199	5.332338	5.21E-61	6.72E-60
<i>SLC22A18</i>	1.2917061	4.695926	1.63E-30	8.47E-30
<i>LPCAT1</i>	1.2915982	6.687252	1.57E-52	1.62E-51
<i>NFE2L3</i>	1.2901967	5.00587	4.90E-25	2.01E-24
<i>C8G</i>	1.2899361	-0.66308	8.80E-21	3.00E-20
<i>MRPS12</i>	1.2897794	5.01434	2.50E-44	2.08E-43
<i>IQCJ</i>	1.2891479	-1.97298	0.000187	0.00027235
<i>FTCD</i>	1.2890407	-0.66835	3.10E-09	6.04E-09
<i>NTHL1</i>	1.2885472	4.249427	9.14E-32	4.98E-31
<i>DNAJC5B</i>	1.2883835	0.303376	2.05E-14	5.22E-14
<i>KRT36</i>	1.2877631	-3.0343	1.60E-12	3.70E-12

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>RAB39B</i>	1.2875964	1.894011	2.76E-12	6.29E-12
<i>C8orf46</i>	1.2868571	2.233584	1.43E-08	2.68E-08
<i>B4GALNT1</i>	1.2865032	2.597165	1.77E-15	4.75E-15
<i>PAK4</i>	1.2858815	6.673413	5.40E-57	6.27E-56
<i>PSME2</i>	1.2856796	7.145246	9.02E-49	8.47E-48
<i>BRICD5</i>	1.2854136	1.592693	1.90E-24	7.58E-24
<i>FLAD1</i>	1.2853713	6.035128	3.77E-69	5.89E-68
<i>UQCC3</i>	1.2843571	4.541619	1.65E-32	9.26E-32
<i>DCAF13</i>	1.2831677	6.187543	5.09E-52	5.20E-51
<i>SLC7A2</i>	1.2827412	7.983888	1.35E-08	2.54E-08
<i>KRTAP5_1</i>	1.2816708	-1.39929	4.56E-17	1.32E-16
<i>UCP1</i>	1.2815024	0.657823	0.0005984	0.0008419
<i>GPSM2</i>	1.2811771	4.712681	8.63E-39	6.02E-38
<i>TMC4</i>	1.2811106	6.791254	1.74E-26	7.62E-26
<i>FOXI3</i>	1.2808876	-0.24993	3.76E-05	5.73E-05
<i>RP11_1035H13.3</i>	1.2808873	-2.27845	1.71E-23	6.56E-23
<i>CNFN</i>	1.2808707	2.278974	1.04E-18	3.22E-18
<i>FCRL1</i>	1.2803228	0.096869	1.42E-05	2.23E-05
<i>CABLES2</i>	1.2799761	4.282489	4.57E-51	4.57E-50
<i>TMEM141</i>	1.2799072	5.9213	8.75E-43	6.95E-42
<i>FDXR</i>	1.279443	4.176922	2.94E-30	1.51E-29
<i>BAIAP2L2</i>	1.2793982	1.236668	1.26E-13	3.09E-13
<i>BATF</i>	1.2792707	3.794494	1.02E-21	3.64E-21
<i>CTLA4</i>	1.2789498	1.236405	3.54E-13	8.48E-13
<i>TRPS1</i>	1.2782178	9.042435	3.97E-27	1.78E-26
<i>STARD3</i>	1.2779973	6.393479	4.54E-19	1.43E-18
<i>TCF19</i>	1.2778572	5.087875	1.41E-36	9.09E-36
<i>ST6GAL2</i>	1.2778067	3.602608	1.78E-17	5.24E-17
<i>STRA6</i>	1.2767274	3.309833	3.54E-22	1.28E-21

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>HOMER3</i>	1.2766859	5.068817	7.61E-30	3.83E-29
<i>UGCG</i>	1.2765004	7.355241	4.54E-22	1.64E-21
<i>TUBAL3</i>	1.2756362	0.642466	9.35E-13	2.19E-12
<i>RFC4</i>	1.2755265	4.587175	4.85E-47	4.36E-46
<i>CEL</i>	1.2754253	2.441209	4.63E-06	7.48E-06
<i>RDH12</i>	1.2747094	-0.9913	7.58E-15	1.97E-14
<i>FATE1</i>	1.2746507	-1.66694	3.68E-07	6.37E-07
<i>AGXT2</i>	1.274623	-1.82148	2.17E-09	4.27E-09
<i>TOMM40</i>	1.2737929	6.041962	3.33E-54	3.60E-53
<i>MMP8</i>	1.2736444	-1.13324	8.08E-06	1.29E-05
<i>ASCL5</i>	1.2730677	-2.70384	4.37E-13	1.04E-12
<i>CYP4F8</i>	1.2729451	4.046636	0.0006106	0.00085875
<i>AP1S1</i>	1.2727634	5.803261	9.03E-71	1.46E-69
<i>RARA</i>	1.2725906	6.955908	1.91E-28	9.09E-28
<i>CACNA2D2</i>	1.2723364	4.445717	5.51E-14	1.37E-13
<i>PIGQ</i>	1.27219	6.345512	1.84E-45	1.59E-44
<i>ZBTB32</i>	1.2717296	-0.1392	6.28E-19	1.96E-18
<i>ZNF726</i>	1.2714503	2.239727	3.28E-24	1.30E-23
<i>BCL9</i>	1.2713006	6.075615	9.90E-65	1.40E-63
<i>RABIF</i>	1.270573	4.665365	1.37E-94	3.26E-93
<i>CCDC24</i>	1.270322	4.276617	5.24E-34	3.11E-33
<i>TEX11</i>	1.2699847	-1.45207	8.14E-16	2.22E-15
<i>C16orf13</i>	1.2690428	5.59611	1.28E-40	9.50E-40
<i>NDUFAF6</i>	1.2682432	4.997277	9.40E-45	7.90E-44
<i>ACTL10</i>	1.2663314	1.609312	3.36E-25	1.39E-24
<i>CR2</i>	1.2660123	2.261602	5.88E-05	8.84E-05
<i>ATP6AP1</i>	1.2655061	8.245005	8.69E-70	1.38E-68
<i>OLFML2B</i>	1.2652968	6.187178	2.10E-29	1.04E-28

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CLEC4C</i>	1.265181	-2.15975	3.16E-06	5.15E-06
<i>SLC37A1</i>	1.2650262	5.263185	3.88E-64	5.44E-63
<i>FAM222A</i>	1.2649961	3.421155	2.72E-25	1.13E-24
<i>GFRA1</i>	1.2649703	8.541221	6.82E-08	1.23E-07
<i>TBX1</i>	1.2646387	3.255186	6.75E-12	1.51E-11
<i>HDGF</i>	1.2646071	8.763018	2.82E-73	4.74E-72
<i>C15orf59</i>	1.2641003	2.591446	3.06E-11	6.62E-11
<i>IKBKE</i>	1.2635626	4.283758	3.40E-44	2.82E-43
<i>ACSL6</i>	1.2628082	1.600131	9.89E-11	2.08E-10
<i>DIRC1</i>	1.2624234	-2.18138	3.65E-13	8.72E-13
<i>LHX8</i>	1.2615125	-1.39957	0.0004376	0.00062105
<i>MRPL13</i>	1.2611425	5.648885	6.17E-48	5.66E-47
<i>PUSL1</i>	1.2610225	3.709039	4.75E-43	3.80E-42
<i>B4GALT3</i>	1.2594952	6.340271	6.68E-69	1.04E-67
<i>PLEKHG7</i>	1.2581554	-1.37856	1.21E-06	2.03E-06
<i>GREB1L</i>	1.2580506	4.244711	1.71E-12	3.94E-12
<i>SAMD10</i>	1.256971	3.642341	2.58E-45	2.21E-44
<i>LINGO3</i>	1.2566916	-1.01937	1.63E-15	4.39E-15
<i>TMEM105</i>	1.256497	0.212533	8.56E-11	1.81E-10
<i>CD5</i>	1.2564139	2.997552	3.36E-15	8.89E-15
<i>ZNF239</i>	1.2560867	3.763791	9.12E-44	7.46E-43
<i>RHOF</i>	1.254433	0.607566	5.53E-30	2.81E-29
<i>NREP</i>	1.2542722	6.208186	7.35E-45	6.20E-44
<i>INTS7</i>	1.2540716	5.626091	6.90E-78	1.26E-76
<i>CHRNA5</i>	1.2531117	1.254279	5.74E-13	1.36E-12
<i>TCTEX1D2</i>	1.2527519	2.536457	9.20E-48	8.42E-47
<i>FAM159A</i>	1.2526623	-0.33014	4.02E-21	1.39E-20
<i>SDSL</i>	1.2526545	4.087567	2.94E-35	1.83E-34
<i>CCT3</i>	1.2519397	8.810946	7.24E-81	1.39E-79

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>C1orf35</i>	1.2516472	4.650133	3.01E-46	2.64E-45
<i>TDRD12</i>	1.2510486	2.246405	1.48E-05	2.31E-05
<i>ATP1A4</i>	1.2503863	2.327552	6.77E-08	1.22E-07
<i>IDH2</i>	1.2497003	7.861712	3.79E-34	2.26E-33
<i>DBF4</i>	1.2493726	3.986494	6.84E-54	7.32E-53
<i>SHROOM2</i>	1.2486068	4.452133	1.13E-33	6.60E-33
<i>PAX5</i>	1.2483536	1.690621	3.25E-06	5.29E-06
<i>PRLR</i>	1.2481472	8.016393	6.43E-21	2.20E-20
<i>FAM19A5</i>	1.2479115	2.556026	9.80E-14	2.41E-13
<i>CERS1</i>	1.2465341	-0.27412	1.84E-09	3.63E-09
<i>MT1G</i>	1.2454067	3.308537	1.26E-08	2.37E-08
<i>TBC1D31</i>	1.2449775	3.599815	1.67E-40	1.24E-39
<i>RAB11FIP4</i>	1.2441241	5.746142	5.92E-37	3.88E-36
<i>FCGR3A</i>	1.2441183	6.267893	5.07E-27	2.27E-26
<i>NEK5</i>	1.2438135	2.779159	4.91E-19	1.55E-18
<i>COLEC10</i>	1.2436383	-2.15784	2.12E-16	5.96E-16
<i>SEPHS2</i>	1.24337	7.225238	1.94E-51	1.96E-50
<i>PAEP</i>	1.2432601	-0.36133	6.06E-05	9.10E-05
<i>REEP1</i>	1.2427856	4.447865	2.46E-14	6.24E-14
<i>EMC9</i>	1.2426802	3.770747	8.17E-42	6.30E-41
<i>FLYWCH2</i>	1.2415587	4.986121	5.66E-44	4.66E-43
<i>KCNJ11</i>	1.2408632	4.130791	1.73E-16	4.88E-16
<i>GALNT14</i>	1.2403484	3.207272	8.43E-12	1.87E-11
<i>H2AFJ</i>	1.2395583	7.208673	6.73E-18	2.03E-17
<i>WDR90</i>	1.2388204	5.375069	4.92E-39	3.46E-38
<i>DHRS13</i>	1.2384944	2.641479	5.57E-31	2.96E-30
<i>IL18</i>	1.2382691	3.424056	4.33E-26	1.86E-25
<i>DENND1B</i>	1.2378304	5.903952	1.37E-20	4.62E-20

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>RSPO4</i>	1.2376079	0.376447	3.57E-07	6.18E-07
<i>TFPT</i>	1.2374629	4.321844	1.28E-31	6.93E-31
<i>UQCC2</i>	1.2367998	5.291961	2.32E-50	2.27E-49
<i>CISD3</i>	1.2363912	5.455038	1.48E-26	6.51E-26
<i>REEP6</i>	1.2361481	6.14901	1.50E-12	3.47E-12
<i>BASP1</i>	1.2359169	5.402233	2.69E-28	1.27E-27
<i>ADAMTS6</i>	1.2356373	1.962249	1.68E-25	7.05E-25
<i>GRHL3</i>	1.235551	2.223624	1.96E-15	5.26E-15
<i>PARP1</i>	1.2350603	8.193956	5.19E-84	1.05E-82
<i>RNF208</i>	1.2349041	3.158926	9.52E-27	4.22E-26
<i>TCHH</i>	1.2344415	-0.09464	1.92E-12	4.41E-12
<i>TFF2</i>	1.2342501	-1.18438	0.0002416	0.00034934
<i>ARX</i>	1.2341616	0.298755	3.72E-05	5.67E-05
<i>SREBF1</i>	1.2338489	8.384647	2.93E-25	1.22E-24
<i>STAT1</i>	1.2334776	8.588168	7.02E-28	3.26E-27
<i>PFDN6</i>	1.2330905	5.238101	1.77E-48	1.65E-47
<i>ZDHHC12</i>	1.2326486	5.201684	5.15E-49	4.87E-48
<i>PGC</i>	1.2320403	1.437751	0.0009316	0.00129377
<i>PLEKHN1</i>	1.2317978	2.342739	4.77E-26	2.05E-25
<i>FOXD4L4</i>	1.2314532	-3.46807	1.99E-07	3.50E-07
<i>DHCR7</i>	1.2306933	6.619224	2.86E-24	1.13E-23
<i>FAIM2</i>	1.2305384	3.495958	4.71E-08	8.59E-08
<i>TIMM17B</i>	1.2299732	5.375776	1.10E-51	1.12E-50
<i>HSF2BP</i>	1.2299431	0.408243	3.19E-42	2.49E-41
<i>PFDN2</i>	1.2298472	5.631731	3.49E-36	2.23E-35
<i>PRR4</i>	1.2296623	2.229665	7.93E-07	1.34E-06
<i>C19orf48</i>	1.2295711	5.861755	2.68E-40	1.97E-39
<i>HSD11B2</i>	1.2289717	3.829084	1.71E-19	5.49E-19
<i>DOPEY2</i>	1.2286333	6.408365	3.90E-46	3.42E-45

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>TRAF2</i>	1.2282884	4.986233	1.36E-62	1.83E-61
<i>NPAS1</i>	1.2281867	0.828535	6.31E-17	1.81E-16
<i>TREM1</i>	1.2278464	1.7929	5.54E-14	1.38E-13
<i>PZP</i>	1.2269959	0.866099	1.85E-05	2.88E-05
<i>SYNGR2</i>	1.2267608	8.138513	3.95E-51	3.95E-50
<i>CAGE1</i>	1.2267452	-2.29019	2.49E-08	4.62E-08
<i>FCRLA</i>	1.2263532	1.007648	3.47E-08	6.37E-08
<i>TBC1D3E</i>	1.2256487	-3.13752	0.0001346	0.00019814
<i>ACY3</i>	1.2255391	1.339524	3.97E-06	6.43E-06
<i>GDAP1</i>	1.2255113	5.052685	1.97E-12	4.51E-12
<i>CA2</i>	1.2254474	6.364743	1.77E-07	3.12E-07
<i>CDKN2D</i>	1.2246398	3.475339	1.70E-37	1.14E-36
<i>FAM71E1</i>	1.2243281	1.887139	3.79E-23	1.43E-22
<i>NCAPG2</i>	1.2239307	5.191339	2.17E-45	1.87E-44
<i>ZP2</i>	1.2235151	-0.31844	0.0069277	0.00900991
<i>RMI1</i>	1.2231155	4.417524	1.03E-58	1.25E-57
<i>RHEBL1</i>	1.2230972	0.747896	6.04E-33	3.44E-32
<i>PPP1R37</i>	1.2229686	6.036592	2.03E-50	2.00E-49
<i>PPDPF</i>	1.2229526	8.240818	2.24E-34	1.35E-33
<i>EPGN</i>	1.2222696	-1.26288	2.44E-06	4.01E-06
<i>PCDHA5</i>	1.2213818	-0.54737	6.07E-09	1.16E-08
<i>NANS</i>	1.2212162	6.23591	8.62E-60	1.07E-58
<i>ENTPD7</i>	1.2200443	4.156732	1.14E-50	1.13E-49
<i>KIF12</i>	1.2189754	5.515396	2.27E-10	4.70E-10
<i>S100A11</i>	1.2189184	9.036129	2.50E-32	1.40E-31
<i>KNSTRN</i>	1.2187739	4.26934	5.86E-48	5.39E-47
<i>ROMO1</i>	1.2187631	5.552061	2.62E-27	1.19E-26
<i>NOL4</i>	1.2186176	0.164697	8.51E-05	0.00012681

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>KCNK5</i>	1.2176424	4.156741	2.89E-09	5.64E-09
<i>ARHGEF16</i>	1.2175172	4.686614	7.17E-37	4.69E-36
<i>PSMG3</i>	1.2169987	5.023653	1.07E-44	8.94E-44
<i>PARP10</i>	1.2168368	6.520434	1.19E-27	5.47E-27
<i>CHST11</i>	1.2168254	5.011214	5.73E-40	4.16E-39
<i>E2F5</i>	1.2163533	4.030311	5.03E-37	3.30E-36
<i>GFER</i>	1.2159772	4.554313	1.01E-47	9.22E-47
<i>PDIA4</i>	1.2155966	8.041735	1.01E-60	1.29E-59
<i>PPEF1</i>	1.2155137	1.708953	4.89E-15	1.28E-14
<i>PRR22</i>	1.2141576	1.192515	4.98E-21	1.72E-20
<i>S100A16</i>	1.2113466	7.894416	1.01E-23	3.91E-23
<i>FANCB</i>	1.2107739	0.931784	1.95E-28	9.29E-28
<i>FAM131C</i>	1.2107416	-0.91054	4.58E-08	8.36E-08
<i>EMID1</i>	1.2107132	3.594575	1.08E-13	2.64E-13
<i>VWA3A</i>	1.2105928	-0.07515	1.24E-08	2.33E-08
<i>TPBGL</i>	1.210531	-0.12975	4.65E-21	1.61E-20
<i>C2orf91</i>	1.2104139	-2.5295	1.34E-10	2.81E-10
<i>C1QL4</i>	1.2103325	-0.24074	1.02E-05	1.61E-05
<i>ANAPC11</i>	1.2095316	6.127181	5.78E-36	3.67E-35
<i>RALGPS2</i>	1.2089465	6.320814	8.99E-24	3.49E-23
<i>CPN2</i>	1.2066119	-1.04047	1.66E-09	3.29E-09
<i>SUMO4</i>	1.2064539	-2.39715	2.99E-12	6.80E-12
<i>ST20_MTHFS</i>	1.206379	-3.2206	1.02E-12	2.39E-12
<i>TPSD1</i>	1.2050127	1.662584	1.98E-05	3.08E-05
<i>SULT1E1</i>	1.2047846	-0.32595	0.00204	0.00276452
<i>TMC5</i>	1.2045029	5.861982	5.20E-09	1.00E-08
<i>TOR2A</i>	1.2044931	4.175193	3.22E-55	3.58E-54
<i>ADAT3</i>	1.2042603	1.042177	4.32E-22	1.56E-21
<i>OR13A1</i>	1.2042167	-2.82123	2.32E-07	4.06E-07

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>ISG20</i>	1.2035245	4.481702	3.21E-24	1.27E-23
<i>SAMD15</i>	1.2033931	1.931601	4.83E-20	1.59E-19
<i>SLC25A39</i>	1.2031436	7.287009	3.80E-55	4.21E-54
<i>SIGIRR</i>	1.2029389	5.559386	4.86E-32	2.67E-31
<i>C19orf40</i>	1.2029173	2.718112	1.06E-71	1.75E-70
<i>JAKMIP2</i>	1.2024292	0.34021	4.58E-15	1.20E-14
<i>ARL11</i>	1.2022796	2.194175	1.23E-23	4.74E-23
<i>NFKBIE</i>	1.2018552	4.437186	2.03E-41	1.55E-40
<i>CPNE9</i>	1.2017056	-1.84387	1.74E-15	4.67E-15
<i>RCC1</i>	1.2015585	5.870929	2.54E-51	2.56E-50
<i>PSMB3</i>	1.2010703	6.971525	1.47E-31	7.96E-31
<i>NMRAL1</i>	1.200359	5.848171	2.36E-53	2.50E-52
<i>MLLT11</i>	1.1998448	3.80463	1.07E-27	4.94E-27
<i>TSGA10IP</i>	1.1996961	-2.84094	5.12E-09	9.85E-09
<i>C11orf16</i>	1.1995539	-0.83888	3.13E-08	5.76E-08
<i>CDC25B</i>	1.1983633	6.033572	5.34E-27	2.39E-26
<i>MCCD1</i>	1.1982526	-0.53056	0.0022015	0.00297524
<i>PCGF2</i>	1.1981093	6.026773	3.68E-30	1.88E-29
<i>MS4A14</i>	1.1980028	2.80614	3.88E-11	8.35E-11
<i>HELZ2</i>	1.197497	6.09298	6.86E-31	3.62E-30
<i>BARD1</i>	1.1973836	4.230428	2.91E-49	2.77E-48
<i>BAX</i>	1.1958118	5.421073	2.10E-55	2.35E-54
<i>ARRDC1</i>	1.1956855	5.965692	4.99E-47	4.48E-46
<i>FOXS1</i>	1.193949	1.703616	3.31E-26	1.43E-25
<i>XKRX</i>	1.1939329	-0.32335	1.59E-19	5.11E-19
<i>TMEM125</i>	1.1935678	4.695234	1.06E-31	5.79E-31
<i>SLC25A10</i>	1.1933844	4.621929	2.91E-29	1.43E-28
<i>KDM4B</i>	1.1914545	7.236931	4.66E-29	2.28E-28

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>TMPRSS3</i>	1.1910912	5.483086	1.39E-08	2.61E-08
<i>C6orf1</i>	1.190582	4.838784	2.84E-45	2.43E-44
<i>RHOD</i>	1.1897491	4.923696	3.54E-31	1.89E-30
<i>HSPE1</i>	1.1892144	6.570914	2.67E-50	2.61E-49
<i>SCAND1</i>	1.188814	5.438538	2.24E-25	9.35E-25
<i>OXLD1</i>	1.1880671	4.464644	3.46E-34	2.07E-33
<i>ZNF707</i>	1.1878469	4.152998	7.48E-45	6.31E-44
<i>ZNHIT2</i>	1.1877938	3.683765	1.11E-28	5.34E-28
<i>FBP1</i>	1.1875776	6.411327	7.46E-18	2.24E-17
<i>SUSD2</i>	1.1871168	5.903224	5.90E-12	1.32E-11
<i>PLEKHF2</i>	1.1868072	6.588308	3.04E-30	1.56E-29
<i>PHKG2</i>	1.1866935	5.251055	8.07E-61	1.03E-59
<i>SLC3A1</i>	1.1863819	-0.52768	1.04E-06	1.75E-06
<i>MOXD1</i>	1.1862646	3.693087	4.05E-16	1.12E-15
<i>EPHX4</i>	1.1861228	1.787465	1.95E-10	4.06E-10
<i>C1QL1</i>	1.1861124	0.677421	2.73E-09	5.33E-09
<i>PAQR5</i>	1.1860176	3.484552	3.15E-17	9.18E-17
<i>SLC35F2</i>	1.1856829	4.366714	3.82E-25	1.58E-24
<i>SNRPE</i>	1.1855731	6.203557	7.80E-59	9.49E-58
<i>SLC10A4</i>	1.1855489	-2.07692	1.03E-11	2.27E-11
<i>SLC7A8</i>	1.1852204	7.213034	2.70E-18	8.24E-18
<i>LRGUK</i>	1.1847144	0.726025	1.03E-16	2.95E-16
<i>LRRC71</i>	1.1846536	-1.41289	8.59E-09	1.63E-08
<i>SMCO3</i>	1.1845996	1.107193	5.07E-06	8.17E-06
<i>RRS1</i>	1.18459	5.066598	1.33E-33	7.80E-33
<i>CHD5</i>	1.1837684	-0.34104	9.58E-08	1.71E-07
<i>MAGIX</i>	1.1836846	2.397845	2.23E-27	1.01E-26
<i>SAMD1</i>	1.1832291	5.75157	5.96E-60	7.47E-59
<i>AEBP1</i>	1.1825877	9.531545	1.29E-22	4.75E-22

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>PSENEN</i>	1.1824151	5.98615	7.14E-54	7.63E-53
<i>TDRKH</i>	1.1822335	4.822563	3.10E-48	2.87E-47
<i>LRWD1</i>	1.1820396	4.337066	2.83E-60	3.58E-59
<i>TBC1D30</i>	1.1817532	4.371391	2.42E-29	1.20E-28
<i>IFITM1</i>	1.1815221	7.651725	9.38E-18	2.81E-17
<i>EBP</i>	1.181099	5.470329	1.90E-40	1.41E-39
<i>TREX2</i>	1.1810489	-0.28418	7.31E-16	2.00E-15
<i>LPAR2</i>	1.179763	4.490219	2.38E-45	2.04E-44
<i>NRCAM</i>	1.1795518	3.910937	1.12E-09	2.23E-09
<i>ABCC5</i>	1.1792331	6.376639	3.77E-26	1.63E-25
<i>SEMA3F</i>	1.1786823	6.754301	3.83E-37	2.53E-36
<i>RNASE2</i>	1.1786667	-0.40085	6.51E-17	1.87E-16
<i>SPATA12</i>	1.1783311	-1.17197	8.10E-15	2.10E-14
<i>HGD</i>	1.1774108	3.457042	2.20E-07	3.85E-07
<i>SYTL5</i>	1.1774052	3.77868	3.06E-07	5.31E-07
<i>APOO</i>	1.1771995	4.140225	8.88E-51	8.81E-50
<i>PDRG1</i>	1.1768839	5.024509	1.83E-48	1.70E-47
<i>YIF1B</i>	1.1759911	5.259302	3.65E-49	3.47E-48
<i>IFITM10</i>	1.1752653	4.283393	6.97E-13	1.64E-12
<i>THBS2</i>	1.1735863	8.566285	3.63E-19	1.15E-18
<i>CCL19</i>	1.1729799	4.340513	4.35E-07	7.50E-07
<i>EOMES</i>	1.1729798	1.411636	4.27E-11	9.16E-11
<i>FBXO41</i>	1.1723936	4.202042	5.23E-38	3.56E-37
<i>DUSP15</i>	1.172345	1.958068	5.99E-11	1.28E-10
<i>RAB11FIP1</i>	1.1719375	7.161628	2.15E-13	5.19E-13
<i>MRPL55</i>	1.170841	5.3068	5.73E-37	3.76E-36
<i>ATP8B3</i>	1.1708222	1.708752	3.69E-18	1.12E-17
<i>SLC20A1</i>	1.1707254	6.343127	1.47E-90	3.28E-89

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>C1orf53</i>	1.1703488	0.921482	1.25E-23	4.82E-23
<i>TIMP1</i>	1.1689507	8.352646	7.09E-29	3.43E-28
<i>CTNND2</i>	1.1679988	4.069807	1.72E-09	3.41E-09
<i>PLXNA3</i>	1.1677656	6.191505	1.06E-55	1.19E-54
<i>HMGB2</i>	1.1673955	7.029069	4.66E-36	2.96E-35
<i>TCEB2</i>	1.1671778	7.231271	9.59E-37	6.24E-36
<i>TTC24</i>	1.1667341	-1.85899	1.19E-07	2.13E-07
<i>PLA2G2C</i>	1.1661255	-1.89776	1.11E-08	2.09E-08
<i>LY6G6C</i>	1.1660308	1.140032	1.27E-06	2.12E-06
<i>F5</i>	1.165879	1.922817	6.13E-11	1.30E-10
<i>FAM19A4</i>	1.1652931	-2.53981	5.73E-05	8.63E-05
<i>MFSD6L</i>	1.1648744	1.733283	3.50E-09	6.79E-09
<i>SLC5A2</i>	1.1640881	-1.69155	2.87E-14	7.27E-14
<i>ALG3</i>	1.1639007	5.774666	2.94E-51	2.95E-50
<i>TMEM9</i>	1.1636134	7.246183	4.93E-56	5.59E-55
<i>CIB4</i>	1.1631891	-3.25518	5.13E-05	7.74E-05
<i>SFXN2</i>	1.1631713	5.105006	3.07E-25	1.27E-24
<i>CXCR4</i>	1.1631246	6.523517	2.07E-25	8.67E-25
<i>GPC4</i>	1.1630408	6.027757	4.82E-18	1.46E-17
<i>CD6</i>	1.162148	3.400892	1.95E-15	5.23E-15
<i>AMBP</i>	1.1617467	1.23405	4.49E-07	7.72E-07
<i>C20orf195</i>	1.1617056	0.064643	4.19E-15	1.10E-14
<i>VAX2</i>	1.1614659	1.255513	5.97E-12	1.34E-11
<i>PPP1CA</i>	1.1611859	7.481564	3.04E-56	3.47E-55
<i>DSN1</i>	1.1610172	4.86302	1.93E-53	2.04E-52
<i>ASPSCR1</i>	1.1609792	5.106774	2.58E-41	1.97E-40
<i>APOC4_APOC2</i>	1.1608801	-2.9825	1.03E-13	2.53E-13
<i>STAP1</i>	1.1599721	0.341967	4.35E-12	9.82E-12
<i>AGMAT</i>	1.1595745	1.412873	8.06E-27	3.59E-26

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>IKZF3</i>	1.1590836	4.36573	7.96E-12	1.77E-11
<i>ERMP1</i>	1.1588783	6.937182	4.54E-37	2.99E-36
<i>ABHD12</i>	1.1588717	6.50068	6.99E-50	6.73E-49
<i>HLA_DQB2</i>	1.1588417	4.22046	2.55E-13	6.15E-13
<i>PASK</i>	1.1587712	4.238485	3.16E-57	3.69E-56
<i>PVRL4</i>	1.1583583	6.439411	5.49E-26	2.36E-25
<i>MTBP</i>	1.1576964	3.245689	4.73E-29	2.31E-28
<i>ZWILCH</i>	1.1573695	4.477525	1.20E-63	1.66E-62
<i>BNIP1</i>	1.1573186	5.161464	4.27E-13	1.02E-12
<i>PAK1</i>	1.1568749	6.747132	1.58E-20	5.33E-20
<i>TIMM17A</i>	1.1562969	6.315901	7.33E-75	1.27E-73
<i>P2RY4</i>	1.1562659	-1.77813	2.43E-06	3.99E-06
<i>USP18</i>	1.1562066	3.748479	3.95E-24	1.56E-23
<i>ZNF804A</i>	1.1556095	-0.53938	2.60E-13	6.25E-13
<i>STRBP</i>	1.1552899	6.092126	2.26E-77	4.09E-76
<i>GSG1</i>	1.1543006	-1.85729	2.32E-08	4.31E-08
<i>CD3EAP</i>	1.1542168	3.058729	2.99E-57	3.50E-56
<i>ATP6V0D2</i>	1.1537344	0.893377	2.45E-09	4.81E-09
<i>SYT7</i>	1.1535083	6.793964	1.08E-19	3.50E-19
<i>BAIAP3</i>	1.1533791	4.382598	1.57E-10	3.28E-10
<i>CAMSAP3</i>	1.1525804	5.423016	2.28E-29	1.13E-28
<i>CCDC137</i>	1.1525668	4.784432	1.69E-41	1.29E-40
<i>BRSK1</i>	1.1522773	2.836726	9.26E-20	3.01E-19
<i>MANF</i>	1.151537	6.054478	3.78E-59	4.65E-58
<i>GK</i>	1.1510307	3.228349	1.11E-40	8.30E-40
<i>KCNQ3</i>	1.1496987	3.058381	1.24E-14	3.20E-14
<i>ETNPPL</i>	1.1493737	-0.83622	4.06E-05	6.17E-05
<i>JTB</i>	1.1484291	7.46455	6.71E-66	9.78E-65

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CCDC42B</i>	1.1482837	-0.95289	1.34E-10	2.80E-10
<i>DEPDC7</i>	1.1480144	0.930467	2.80E-21	9.76E-21
<i>CAPG</i>	1.147888	7.595886	2.47E-34	1.49E-33
<i>NTSR2</i>	1.1477645	-1.95367	0.0025226	0.00339148
<i>SMS</i>	1.1477498	6.9314	1.88E-55	2.10E-54
<i>TUBG1</i>	1.1477389	5.598405	1.28E-50	1.27E-49
<i>RGR</i>	1.1463866	-1.20878	0.0024869	0.00334612
<i>C11orf98</i>	1.1455111	1.814005	2.88E-34	1.73E-33
<i>PNOC</i>	1.1452181	-0.31026	5.37E-09	1.03E-08
<i>BAIAP2L1</i>	1.1449645	5.441065	2.72E-41	2.07E-40
<i>ENSG00000273154</i>	1.1443796	-0.0972	1.08E-20	3.65E-20
<i>BATF2</i>	1.1443385	2.997648	6.86E-12	1.53E-11
<i>ZBTB12</i>	1.1433781	3.256848	1.51E-39	1.08E-38
<i>FAM153C</i>	1.1423677	-2.25711	6.25E-11	1.33E-10
<i>HPRT1</i>	1.1420549	5.329926	5.34E-51	5.32E-50
<i>GCAT</i>	1.1418855	4.129167	1.20E-26	5.27E-26
<i>CFAP57</i>	1.1412962	1.513096	2.88E-13	6.92E-13
<i>CCR3</i>	1.1412672	-1.71359	4.06E-12	9.17E-12
<i>FAM102A</i>	1.1409138	7.685065	1.08E-48	1.01E-47
<i>ARFGAP1</i>	1.1408917	6.60661	3.57E-50	3.47E-49
<i>MXRA5</i>	1.1408526	8.550965	2.85E-22	1.04E-21
<i>BMP8B</i>	1.1405233	3.146994	1.00E-15	2.73E-15
<i>C11orf85</i>	1.1388997	-1.93952	1.20E-05	1.89E-05
<i>FADD</i>	1.1384082	3.921424	5.30E-29	2.58E-28
<i>TCEAL3</i>	1.1369419	5.688046	1.52E-20	5.11E-20
<i>THOC6</i>	1.1368763	5.060174	9.26E-47	8.20E-46
<i>BRCA1</i>	1.1363281	4.409685	1.02E-28	4.89E-28
<i>KCTD13</i>	1.1362757	4.536236	5.65E-54	6.06E-53
<i>LY6E</i>	1.135991	8.619333	3.09E-16	8.61E-16

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>KDEL3</i>	1.1358832	5.41244	1.72E-24	6.90E-24
<i>GTF2IRD1</i>	1.1357034	5.296405	8.65E-82	1.68E-80
<i>KCNS3</i>	1.1355361	5.178806	1.24E-20	4.19E-20
<i>NUDT1</i>	1.1354418	4.000551	2.25E-31	1.21E-30
<i>BRI3BP</i>	1.1345027	5.304702	1.28E-49	1.23E-48
<i>DRAP1</i>	1.1344718	6.271201	3.75E-32	2.08E-31
<i>TMEM52B</i>	1.1340511	0.400149	1.12E-23	4.32E-23
<i>DTYMK</i>	1.1340011	4.839224	5.21E-53	5.44E-52
<i>TRAT1</i>	1.133824	0.786648	4.25E-09	8.22E-09
<i>CRYBA4</i>	1.133673	-3.20726	1.20E-08	2.26E-08
<i>AGRP</i>	1.1334754	-3.06221	2.24E-15	5.98E-15
<i>USP35</i>	1.1330606	3.992955	4.79E-19	1.51E-18
<i>GPR132</i>	1.1325711	2.801129	1.23E-22	4.55E-22
<i>SFXN1</i>	1.1322084	5.596604	5.25E-47	4.71E-46
<i>GRTP1</i>	1.1320225	4.364555	2.79E-38	1.92E-37
<i>MYO1G</i>	1.1319614	3.371328	2.02E-21	7.09E-21
<i>CHRM4</i>	1.1318541	-1.05706	5.09E-09	9.80E-09
<i>CIB1</i>	1.1304935	6.947883	8.87E-39	6.18E-38
<i>SAP30</i>	1.1304256	3.665509	8.06E-37	5.26E-36
<i>ACOT6</i>	1.1297785	-2.43247	8.15E-07	1.38E-06
<i>TAF7L</i>	1.1291955	-1.35063	6.48E-12	1.45E-11
<i>RHOH</i>	1.1289904	4.725976	5.85E-13	1.38E-12
<i>MICALL2</i>	1.1285642	4.958293	2.07E-31	1.11E-30
<i>SULF2</i>	1.1275883	8.081977	7.27E-23	2.72E-22
<i>MAP6D1</i>	1.1269862	2.416568	6.82E-21	2.34E-20
<i>CISH</i>	1.1267164	5.870418	1.14E-23	4.39E-23
<i>TP53INP1</i>	1.126589	6.857453	2.89E-27	1.31E-26
<i>KNTC1</i>	1.1262907	5.051206	1.37E-43	1.12E-42

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>PSPH</i>	1.126223	4.254201	3.37E-30	1.73E-29
<i>TXNDC2</i>	1.1259456	-2.85155	2.43E-15	6.48E-15
<i>MIS18A</i>	1.1253857	4.147226	2.02E-54	2.20E-53
<i>DAND5</i>	1.1247062	-1.42698	2.84E-12	6.46E-12
<i>KRTAP5_8</i>	1.1244796	-3.09852	6.51E-09	1.25E-08
<i>CHAF1A</i>	1.124084	4.733842	4.37E-45	3.71E-44
<i>CRISP2</i>	1.1240456	-0.93075	0.0035958	0.00477499
<i>SCUBE2</i>	1.1229101	8.52082	7.93E-07	1.34E-06
<i>HLA_DQA2</i>	1.1229046	4.854646	5.37E-10	1.09E-09
<i>EFNA1</i>	1.1224125	7.098045	1.05E-37	7.03E-37
<i>VAV2</i>	1.1218153	6.021618	9.81E-67	1.45E-65
<i>TFRC</i>	1.1217963	7.364485	5.39E-24	2.11E-23
<i>LYPD3</i>	1.1215197	5.723593	1.69E-15	4.54E-15
<i>H2AFY</i>	1.121402	8.039235	3.09E-111	9.85E-110
<i>MS4A1</i>	1.1212316	3.295061	2.56E-05	3.95E-05
<i>FAM26F</i>	1.1210439	2.763971	2.15E-15	5.76E-15
<i>ENSG00000279765</i>	1.1210292	-0.4401	1.27E-10	2.66E-10
<i>SLX1A_SULT1A3</i>	1.1206893	-3.22398	1.74E-12	4.02E-12
<i>MAGED1</i>	1.1196605	8.244208	1.04E-42	8.25E-42
<i>EDDM3A</i>	1.1195491	-3.0463	0.0005365	0.00075728
<i>MRPL24</i>	1.1194048	6.507389	1.96E-39	1.40E-38
<i>TXNDC17</i>	1.1190772	5.202897	9.63E-51	9.55E-50
<i>TIGD5</i>	1.1190095	4.068807	7.52E-34	4.44E-33
<i>DNAI2</i>	1.1189356	-3.06475	1.41E-06	2.36E-06
<i>TTC9B</i>	1.1187221	-1.96822	2.90E-13	6.97E-13
<i>GRAMD1A</i>	1.1184218	6.601818	3.30E-68	5.05E-67
<i>TTLL9</i>	1.1182142	0.765691	1.23E-11	2.71E-11
<i>APITD1</i>	1.1166548	1.983031	1.47E-47	1.34E-46
<i>CERS6</i>	1.1164599	6.672098	3.71E-25	1.53E-24

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>OCIAD2</i>	1.1148623	5.460859	7.02E-49	6.61E-48
<i>KCTD5</i>	1.1147061	5.47275	5.11E-74	8.66E-73
<i>NOX5</i>	1.1140954	1.170055	4.83E-09	9.31E-09
<i>SEC61G</i>	1.1140232	5.90765	1.23E-36	7.99E-36
<i>POTEE</i>	1.1139298	-2.2732	6.32E-08	1.14E-07
<i>CNR2</i>	1.1138403	-0.58279	1.13E-06	1.90E-06
<i>SIPA1L3</i>	1.1137851	6.604085	2.45E-50	2.40E-49
<i>SNX20</i>	1.1136747	3.073588	1.54E-17	4.58E-17
<i>MAPKAPK2</i>	1.1134806	8.037378	4.37E-53	4.59E-52
<i>LRRC61</i>	1.1127439	4.267307	4.17E-41	3.15E-40
<i>WFDC2</i>	1.1125716	6.610845	8.47E-07	1.43E-06
<i>PHLDB3</i>	1.1118741	3.994728	1.08E-29	5.42E-29
<i>SHISA2</i>	1.1114071	5.551735	1.62E-06	2.69E-06
<i>PREX1</i>	1.111251	7.845191	1.19E-15	3.24E-15
<i>POP1</i>	1.1109842	3.800725	3.42E-33	1.97E-32
<i>PCDHA11</i>	1.1102445	1.055898	1.05E-06	1.76E-06
<i>CCDC177</i>	1.1097871	-0.9179	3.10E-07	5.39E-07
<i>HOPX</i>	1.1087743	3.610405	2.37E-20	7.91E-20
<i>WFDC3</i>	1.1087589	-0.08406	2.81E-15	7.49E-15
<i>POP7</i>	1.1085671	4.894052	4.40E-45	3.74E-44
<i>CD7</i>	1.1082089	2.498823	1.64E-11	3.59E-11
<i>SLC22A15</i>	1.1080458	2.811272	3.28E-21	1.14E-20
<i>OTUB2</i>	1.1080163	2.164254	9.91E-37	6.44E-36
<i>EPHX3</i>	1.1080052	0.840468	6.24E-07	1.06E-06
<i>HOXA11</i>	1.1077817	0.227134	4.53E-09	8.75E-09
<i>MFSD7</i>	1.1070485	4.361135	9.10E-15	2.35E-14
<i>COPE</i>	1.1066141	6.969228	6.22E-45	5.26E-44
<i>CALR</i>	1.1064834	9.91912	1.60E-51	1.62E-50

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>KRTAP5_7</i>	1.1062123	-3.18597	4.33E-08	7.91E-08
<i>RCN3</i>	1.1062121	5.696511	7.68E-18	2.31E-17
<i>LIG1</i>	1.1059233	5.510867	7.66E-55	8.41E-54
<i>UBE2L6</i>	1.1051533	6.91578	2.08E-29	1.04E-28
<i>IL2RB</i>	1.1047238	4.491467	5.32E-12	1.20E-11
<i>VAMP8</i>	1.1041387	7.059097	2.86E-49	2.72E-48
<i>ARF1</i>	1.1023728	9.462092	2.42E-77	4.37E-76
<i>APOC1</i>	1.1016794	5.826008	2.96E-16	8.25E-16
<i>SNPH</i>	1.1001349	4.037735	5.40E-09	1.04E-08
<i>RBP1</i>	1.0999499	5.622093	2.37E-09	4.64E-09
<i>KNOP1</i>	1.0998857	5.101347	2.59E-74	4.43E-73
<i>HNRNPAB</i>	1.0993059	7.491826	2.80E-71	4.58E-70
<i>LRRC16B</i>	1.0989832	1.203896	7.69E-14	1.90E-13
<i>UPK3B</i>	1.0989732	0.355627	8.89E-10	1.79E-09
<i>HOXC4</i>	1.0987965	3.234169	4.08E-19	1.29E-18
<i>EPSTI1</i>	1.0987386	4.481819	2.98E-20	9.88E-20
<i>CSPG5</i>	1.0987354	1.358054	4.08E-15	1.08E-14
<i>HDAC11</i>	1.0987233	5.610331	1.44E-26	6.32E-26
<i>AC114494.1</i>	1.0985601	0.048212	1.14E-13	2.80E-13
<i>ATP7B</i>	1.0982302	4.783177	8.33E-16	2.27E-15
<i>UNC13D</i>	1.0981957	4.752272	1.69E-15	4.54E-15
<i>SMPDL3B</i>	1.0980392	4.214546	1.46E-20	4.94E-20
<i>POLR2H</i>	1.0980326	5.736942	1.99E-58	2.39E-57
<i>ZNF48</i>	1.0977917	4.406996	1.87E-58	2.25E-57
<i>IGSF8</i>	1.0975652	6.644777	1.30E-37	8.70E-37
<i>NUBP2</i>	1.0969281	5.874837	1.85E-37	1.24E-36
<i>EFCAB12</i>	1.0969032	1.846664	5.34E-12	1.20E-11
<i>PCSK6</i>	1.0968562	5.316645	5.87E-12	1.32E-11
<i>ARPC1B</i>	1.0963834	7.160505	9.19E-35	5.61E-34

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>GEN1</i>	1.0962273	4.289308	4.06E-46	3.55E-45
<i>C17orf96</i>	1.0959853	3.305794	1.62E-12	3.74E-12
<i>SLC29A3</i>	1.0957249	4.629892	1.13E-35	7.09E-35
<i>NR0B1</i>	1.0950814	-0.74049	0.016237	0.02044081
<i>DNPH1</i>	1.0941396	4.60918	6.96E-23	2.61E-22
<i>FAM189B</i>	1.0939015	5.673386	4.96E-43	3.97E-42
<i>CORO1A</i>	1.0932898	5.687401	7.02E-18	2.11E-17
<i>CDH19</i>	1.0929245	1.900848	0.0076467	0.00990458
<i>FCGR1B</i>	1.09254	-0.05805	9.75E-23	3.62E-22
<i>CCDC64B</i>	1.092184	4.956584	2.33E-19	7.45E-19
<i>KLC2</i>	1.0918373	5.426542	6.89E-44	5.66E-43
<i>MRGBP</i>	1.0917237	4.573129	5.36E-50	5.18E-49
<i>C2orf70</i>	1.0912904	0.234033	9.68E-08	1.73E-07
<i>SCIN</i>	1.0910621	4.130563	4.43E-08	8.09E-08
<i>RHBDL2</i>	1.090489	2.323869	2.64E-20	8.80E-20
<i>ATAD3A</i>	1.0899471	4.49795	8.97E-29	4.32E-28
<i>RIBC1</i>	1.0897171	2.043441	6.32E-21	2.17E-20
<i>GSDMD</i>	1.0895488	6.331073	5.19E-28	2.43E-27
<i>CENPH</i>	1.0894415	3.408348	1.53E-43	1.24E-42
<i>TCIRG1</i>	1.0894137	6.130568	1.58E-27	7.21E-27
<i>MSI1</i>	1.0891291	2.640373	2.98E-08	5.49E-08
<i>TEAD4</i>	1.0889062	4.145891	1.56E-28	7.44E-28
<i>BUB3</i>	1.0884895	7.266773	4.19E-54	4.52E-53
<i>SUV420H2</i>	1.0878422	3.818875	2.09E-33	1.21E-32
<i>FHDC1</i>	1.0877414	4.633466	5.37E-31	2.85E-30
<i>NME8</i>	1.0873591	-0.77924	3.63E-14	9.13E-14
<i>KRTAP5_9</i>	1.0870892	-1.8087	1.87E-12	4.30E-12
<i>CAPN8</i>	1.0868801	5.334805	7.30E-07	1.24E-06

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>RTKN</i>	1.0867408	5.718047	2.40E-51	2.42E-50
<i>TMEM210</i>	1.0867173	-1.0192	2.83E-10	5.82E-10
<i>RCC2</i>	1.0864151	7.840141	1.19E-70	1.92E-69
<i>ENSG00000258830</i>	1.0863293	-2.8542	2.36E-11	5.11E-11
<i>TARS2</i>	1.0862627	5.771003	5.66E-61	7.29E-60
<i>ZNF724P</i>	1.0860138	1.303325	7.60E-19	2.37E-18
<i>COMMD5</i>	1.0857605	5.111284	5.44E-48	5.00E-47
<i>SLC9C1</i>	1.0855722	-0.35909	1.36E-08	2.56E-08
<i>KIAA1875</i>	1.0851867	1.002667	4.55E-11	9.74E-11
<i>RAB40C</i>	1.0840343	5.36517	1.11E-44	9.31E-44
<i>RHBDD3</i>	1.0840026	4.571944	1.15E-38	7.98E-38
<i>ATP5EP2</i>	1.0838445	-1.43905	2.07E-14	5.28E-14
<i>ASPHD2</i>	1.0834138	2.12465	4.20E-37	2.77E-36
<i>ZNF668</i>	1.0830861	2.596767	1.06E-72	1.77E-71
<i>FREM2</i>	1.0825893	3.049904	4.29E-05	6.50E-05
<i>RASD2</i>	1.0825834	4.310922	6.48E-11	1.38E-10
<i>STH</i>	1.0824794	-3.14793	5.93E-06	9.50E-06
<i>CCDC67</i>	1.0823344	-0.70448	1.97E-08	3.67E-08
<i>FAIM3</i>	1.0820972	3.904951	1.59E-16	4.49E-16
<i>MYO19</i>	1.0813826	5.400568	7.16E-47	6.37E-46
<i>ZMYND19</i>	1.0807599	4.520348	1.49E-48	1.39E-47
<i>MEIS3</i>	1.0806691	4.677391	1.05E-20	3.57E-20
<i>C8orf76</i>	1.0806663	3.179768	1.16E-42	9.14E-42
<i>DCAF10</i>	1.0806146	6.90934	1.68E-24	6.73E-24
<i>ZNF587</i>	1.0804689	5.626318	1.11E-23	4.29E-23
<i>ALOXE3</i>	1.0802534	0.319916	4.21E-09	8.14E-09
<i>C9orf89</i>	1.0801494	4.894267	2.60E-37	1.73E-36
<i>ENSG00000173213</i>	1.0797	-1.23463	6.06E-10	1.23E-09
<i>IFI30</i>	1.0794528	0.094118	2.94E-24	1.17E-23

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>IFI44</i>	1.0794117	5.464492	6.79E-14	1.68E-13
<i>RPP25</i>	1.0788294	4.165449	8.34E-19	2.60E-18
<i>CCDC144NL</i>	1.0781825	-1.9937	0.0013028	0.00178984
<i>RGS19</i>	1.0776801	4.263521	3.56E-49	3.38E-48
<i>CFAP74</i>	1.0775538	-0.60616	1.75E-08	3.28E-08
<i>DNAH10OS</i>	1.0772125	2.221814	1.66E-18	5.09E-18
<i>DPCD</i>	1.0771826	4.316975	7.09E-41	5.31E-40
<i>COCH</i>	1.0768263	1.909725	4.40E-06	7.12E-06
<i>CD79A</i>	1.0767053	3.709721	1.44E-06	2.40E-06
<i>TMEM155</i>	1.0754015	-2.06917	5.31E-13	1.26E-12
<i>ENSG00000261732</i>	1.0753582	-1.64986	2.80E-16	7.83E-16
<i>ILDR1</i>	1.0752544	3.81801	4.90E-28	2.29E-27
<i>REC8</i>	1.0752351	2.924153	3.46E-12	7.85E-12
<i>PRSS23</i>	1.0751661	8.085004	4.68E-14	1.17E-13
<i>SCRIB</i>	1.0747957	6.790898	3.01E-31	1.61E-30
<i>SLC27A4</i>	1.0745072	5.674159	4.95E-44	4.08E-43
<i>TELO2</i>	1.0743575	5.584391	2.19E-34	1.32E-33
<i>RFC2</i>	1.0738718	5.278128	3.55E-56	4.04E-55
<i>SCAMP3</i>	1.073827	6.764941	1.96E-61	2.55E-60
<i>ZC3H3</i>	1.0734059	5.223456	6.30E-51	6.27E-50
<i>EPPK1</i>	1.0731983	5.656267	7.86E-14	1.94E-13
<i>MYB</i>	1.0729708	6.52264	8.00E-14	1.98E-13
<i>PET100</i>	1.0722321	4.575174	4.90E-31	2.61E-30
<i>LRRC19</i>	1.0721759	-2.17715	1.78E-08	3.33E-08
<i>PTRH2</i>	1.0721159	4.914958	8.92E-29	4.30E-28
<i>GPR31</i>	1.0717046	-2.30699	1.66E-11	3.64E-11
<i>LDHC</i>	1.0716496	-0.16891	6.89E-06	1.10E-05
<i>TNFRSF12A</i>	1.0715019	5.647806	8.84E-19	2.75E-18

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>HYLS1</i>	1.0714373	3.418422	3.22E-43	2.59E-42
<i>VWA1</i>	1.0714236	6.758292	1.03E-27	4.75E-27
<i>IL2RG</i>	1.0705551	4.916813	2.50E-12	5.72E-12
<i>RP11_295K3.1</i>	1.070323	-1.17071	7.98E-15	2.07E-14
<i>RAD21</i>	1.0701167	8.814916	2.79E-30	1.44E-29
<i>MICALCL</i>	1.0700917	2.209912	3.25E-13	7.80E-13
<i>FAM19A3</i>	1.0700416	0.35339	1.34E-05	2.10E-05
<i>ERBB3</i>	1.0700407	8.64375	3.75E-27	1.69E-26
<i>SLMO1</i>	1.0698522	2.039021	1.45E-25	6.09E-25
<i>ST3GAL4</i>	1.0697451	5.248558	4.65E-28	2.18E-27
<i>GRIN3B</i>	1.0697153	-1.82746	5.41E-10	1.10E-09
<i>ASNS</i>	1.069488	5.183253	1.58E-24	6.34E-24
<i>RUVBL1</i>	1.0694869	5.995128	6.33E-59	7.72E-58
<i>TRAF4</i>	1.0691966	6.661541	2.60E-29	1.29E-28
<i>TMEM150C</i>	1.0683433	6.386727	3.64E-07	6.30E-07
<i>CYB561D2</i>	1.0680974	4.757505	4.03E-41	3.04E-40
<i>PPFIA4</i>	1.0672735	2.308694	4.88E-10	9.94E-10
<i>DPM2</i>	1.0668611	5.864389	1.20E-53	1.27E-52
<i>CAMK1G</i>	1.0663866	-1.09905	9.79E-12	2.17E-11
<i>TRABD</i>	1.065855	5.325891	7.94E-34	4.68E-33
<i>ST14</i>	1.065607	7.440509	1.33E-25	5.61E-25
<i>MYH13</i>	1.0654065	-0.80241	1.59E-11	3.48E-11
<i>CLN3</i>	1.065066	5.318978	3.21E-41	2.43E-40
<i>ZNF681</i>	1.0648538	3.55917	6.11E-28	2.85E-27
<i>RAB3D</i>	1.0643623	6.160148	9.42E-39	6.56E-38
<i>WDR24</i>	1.064062	4.149804	6.97E-42	5.39E-41
<i>CD300LF</i>	1.064041	1.546906	5.13E-23	1.93E-22
<i>WDR54</i>	1.0634079	3.885272	2.02E-31	1.09E-30
<i>IFIT2</i>	1.0628096	5.460693	1.05E-13	2.58E-13

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>HM13</i>	1.0627781	7.658039	1.19E-63	1.64E-62
<i>ALDH18A1</i>	1.0627743	7.143506	1.09E-70	1.76E-69
<i>C19orf67</i>	1.0625933	-3.06739	1.98E-09	3.92E-09
<i>SHB</i>	1.0624126	4.256393	8.12E-41	6.07E-40
<i>CGREF1</i>	1.0614595	4.125542	1.85E-14	4.73E-14
<i>TBCB</i>	1.0614525	6.084168	1.30E-45	1.13E-44
<i>ELAVL4</i>	1.0610941	-0.59611	1.64E-08	3.07E-08
<i>MDS2</i>	1.0607534	-2.94345	5.52E-09	1.06E-08
<i>SCGB2A1</i>	1.0600909	4.852737	0.0008943	0.00124376
<i>C19orf24</i>	1.0599202	5.022048	9.88E-29	4.75E-28
<i>MYDGF</i>	1.0595075	6.449558	8.12E-44	6.65E-43
<i>PRR5_ARHGAP8</i>	1.059073	-0.33424	2.94E-16	8.20E-16
<i>GFI1B</i>	1.0584778	-2.52265	2.47E-06	4.06E-06
<i>ISYNA1</i>	1.0582272	6.111266	1.76E-20	5.90E-20
<i>TRERF1</i>	1.0580941	4.991696	1.49E-23	5.71E-23
<i>CSF3R</i>	1.058043	4.889604	2.51E-13	6.05E-13
<i>TOR3A</i>	1.0580254	6.21207	9.91E-78	1.81E-76
<i>CD27</i>	1.0575963	2.498421	1.02E-10	2.15E-10
<i>TBC1D7</i>	1.0575713	4.250704	4.99E-42	3.87E-41
<i>FFAR2</i>	1.0574905	1.877652	1.39E-07	2.46E-07
<i>ELL3</i>	1.0573312	1.200362	1.10E-25	4.67E-25
<i>MCM6</i>	1.0572006	6.111327	1.20E-39	8.60E-39
<i>FAM132A</i>	1.0571603	-0.22855	4.62E-10	9.44E-10
<i>FUT8</i>	1.0570261	6.272797	1.10E-25	4.67E-25
<i>PTMS</i>	1.0569289	8.405612	1.31E-25	5.53E-25
<i>COL13A1</i>	1.0568452	2.053108	4.55E-17	1.32E-16
<i>TANC2</i>	1.0566943	6.419911	4.52E-20	1.49E-19
<i>CABYR</i>	1.0563011	3.35362	1.51E-20	5.09E-20

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>ABCA3</i>	1.0544426	6.82836	4.10E-20	1.35E-19
<i>GPATCH2</i>	1.054438	5.262392	3.26E-32	1.81E-31
<i>GIPC1</i>	1.0543691	6.760239	8.90E-38	5.99E-37
<i>HAL</i>	1.0537474	-0.35425	8.32E-08	1.49E-07
<i>CD3D</i>	1.0533645	2.720401	3.39E-10	6.97E-10
<i>FBXO6</i>	1.0530638	4.214528	2.73E-40	2.00E-39
<i>C20orf24</i>	1.052622	4.373762	5.94E-44	4.89E-43
<i>NRSN2</i>	1.0525775	5.841608	9.64E-45	8.09E-44
<i>BCL3</i>	1.0524686	6.079896	1.45E-35	9.07E-35
<i>SULT2B1</i>	1.0521328	3.836248	2.76E-10	5.69E-10
<i>ESRP2</i>	1.0520454	5.874172	8.23E-31	4.33E-30
<i>ZFPM1</i>	1.0519288	2.788	4.78E-29	2.33E-28
<i>TBC1D9</i>	1.0518912	8.828703	7.72E-12	1.72E-11
<i>RAB17</i>	1.0514763	4.895205	3.49E-19	1.11E-18
<i>GPR89A</i>	1.0510274	2.841632	7.32E-55	8.06E-54
<i>SLC1A4</i>	1.051017	6.829841	1.65E-23	6.33E-23
<i>BYSL</i>	1.050677	4.901962	5.65E-33	3.22E-32
<i>KRTCAP3</i>	1.0498744	4.703377	8.10E-16	2.21E-15
<i>BAK1</i>	1.0498502	4.598828	5.61E-52	5.73E-51
<i>CFL1</i>	1.0493388	9.758891	5.85E-62	7.77E-61
<i>POLD4</i>	1.0487903	4.28397	1.50E-28	7.19E-28
<i>LIMK1</i>	1.0486178	5.854201	1.37E-55	1.54E-54
<i>CRELD2</i>	1.0485786	5.392456	2.94E-32	1.63E-31
<i>ZBTB42</i>	1.0483245	5.159227	6.71E-28	3.12E-27
<i>DUSP9</i>	1.0478985	0.917098	6.78E-05	0.00010161
<i>COL8A1</i>	1.0476222	6.809301	8.95E-15	2.32E-14
<i>ASIC4</i>	1.0472823	-2.16569	9.60E-10	1.92E-09
<i>KDM5B</i>	1.0469844	7.557479	3.40E-51	3.41E-50
<i>CKAP4</i>	1.0469668	7.321542	1.06E-50	1.05E-49

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>GZMA</i>	1.0469389	2.737774	8.81E-11	1.86E-10
<i>KLHL17</i>	1.0466222	2.78428	1.78E-29	8.87E-29
<i>ASB13</i>	1.0464541	6.258916	1.81E-27	8.28E-27
<i>CEBPE</i>	1.0451366	-2.82147	2.09E-14	5.32E-14
<i>PARP9</i>	1.0449597	6.87238	3.46E-34	2.07E-33
<i>MFSD12</i>	1.0446953	5.724598	5.46E-49	5.15E-48
<i>DHTKD1</i>	1.0444378	6.322607	3.15E-36	2.02E-35
<i>BAIAP2</i>	1.0441463	6.11354	1.44E-30	7.51E-30
<i>IFI35</i>	1.0436632	5.497915	1.40E-21	4.94E-21
<i>STIP1</i>	1.0432788	7.618563	2.24E-48	2.08E-47
<i>RNF187</i>	1.0428915	7.607344	4.72E-62	6.29E-61
<i>DNMT1</i>	1.0428796	6.784679	2.93E-50	2.86E-49
<i>B3GNT4</i>	1.0427843	-0.15336	6.15E-16	1.69E-15
<i>PSD3</i>	1.0426445	6.161145	2.55E-10	5.28E-10
<i>DNAJB13</i>	1.0424714	-1.27859	3.44E-12	7.79E-12
<i>C11orf84</i>	1.0424566	4.545259	4.35E-41	3.27E-40
<i>LSM7</i>	1.0422158	4.985579	6.07E-31	3.21E-30
<i>SLC25A19</i>	1.0419259	3.179832	3.57E-38	2.44E-37
<i>SMIM5</i>	1.0413129	0.612316	2.80E-14	7.10E-14
<i>RNPEP</i>	1.0409024	7.124967	3.11E-61	4.03E-60
<i>EPHB2</i>	1.0404795	3.842768	1.36E-21	4.82E-21
<i>PRAF2</i>	1.0404258	5.058546	9.95E-38	6.69E-37
<i>ATP12A</i>	1.0401353	-0.96531	0.0010748	0.00148663
<i>HSPBP1</i>	1.0398101	5.375566	7.46E-33	4.23E-32
<i>ENSG00000187905</i>	1.0395318	-3.35336	2.52E-05	3.88E-05
<i>SLC19A1</i>	1.039371	4.758282	6.23E-33	3.55E-32
<i>VPS37D</i>	1.0391784	2.211042	6.62E-21	2.27E-20
<i>AMMECR1</i>	1.0387656	4.535693	9.64E-32	5.25E-31

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>NLRP12</i>	1.0387329	-0.18406	1.63E-13	3.98E-13
<i>ENSG00000273259</i>	1.0383667	1.093453	2.68E-09	5.24E-09
<i>P4HA1</i>	1.0380018	6.482397	3.28E-30	1.68E-29
<i>DERL3</i>	1.0379545	4.249359	7.39E-13	1.74E-12
<i>POLB</i>	1.0375669	5.325623	2.19E-28	1.04E-27
<i>RPL26L1</i>	1.0374752	4.255569	6.25E-59	7.63E-58
<i>SHARPIN</i>	1.0374204	6.229767	6.22E-35	3.82E-34
<i>RANBP17</i>	1.0372711	2.796581	9.72E-18	2.91E-17
<i>E4F1</i>	1.0372217	5.166661	2.78E-35	1.73E-34
<i>MRPL17</i>	1.0371477	5.848536	1.61E-53	1.70E-52
<i>IRX5</i>	1.0370912	5.821842	7.05E-25	2.88E-24
<i>HMG20B</i>	1.036844	6.73929	3.36E-39	2.38E-38
<i>ATP6V0C</i>	1.0365869	5.327329	2.08E-42	1.63E-41
<i>CGN</i>	1.0365204	6.554232	1.26E-18	3.90E-18
<i>NOX1</i>	1.0363891	0.378438	8.50E-27	3.78E-26
<i>TPGS1</i>	1.0362172	1.558113	2.85E-13	6.86E-13
<i>C1orf159</i>	1.0361494	3.796615	3.71E-34	2.22E-33
<i>SCCPDH</i>	1.0356799	6.800258	4.76E-23	1.79E-22
<i>CCDC96</i>	1.0353052	2.532752	3.66E-20	1.21E-19
<i>KCNK12</i>	1.0347659	-0.99193	3.09E-08	5.68E-08
<i>THOC3</i>	1.0346957	3.374409	6.70E-44	5.51E-43
<i>LSM1</i>	1.0334155	4.916828	4.71E-22	1.70E-21
<i>TMEM160</i>	1.032757	2.232735	1.55E-19	4.97E-19
<i>PNP</i>	1.0326321	5.576895	6.21E-32	3.40E-31
<i>KRTCAP2</i>	1.0325479	4.654368	2.78E-39	1.97E-38
<i>TLE3</i>	1.0323393	7.200662	1.11E-47	1.01E-46
<i>ABHD2</i>	1.0323299	8.015518	1.14E-15	3.10E-15
<i>FANCD2OS</i>	1.0322743	-2.0964	8.91E-09	1.69E-08
<i>POLD1</i>	1.0322355	4.69463	3.43E-35	2.12E-34

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CYP4F3</i>	1.0322316	0.770688	0.0001214	0.0001792
<i>LIN9</i>	1.0320859	3.670825	6.35E-35	3.90E-34
<i>SPRED3</i>	1.0320414	1.787794	1.13E-26	5.00E-26
<i>PNKD</i>	1.0320168	6.042799	2.82E-38	1.94E-37
<i>BRMS1</i>	1.0316189	5.760378	7.16E-37	4.68E-36
<i>ASTL</i>	1.0314773	-1.19246	1.62E-10	3.38E-10
<i>C16orf91</i>	1.0314493	3.834788	1.10E-40	8.18E-40
<i>TNFSF13B</i>	1.0314121	3.858364	7.53E-17	2.16E-16
<i>FAM213B</i>	1.0311175	5.715575	2.66E-39	1.89E-38
<i>HPCA</i>	1.0310952	-0.98006	2.72E-14	6.89E-14
<i>KIAA1024</i>	1.0309102	1.569033	9.31E-21	3.17E-20
<i>SCO2</i>	1.0303741	4.218171	5.18E-34	3.08E-33
<i>TTC29</i>	1.0300933	-1.86429	3.71E-05	5.66E-05
<i>HRASLS</i>	1.0296045	1.499306	1.50E-07	2.65E-07
<i>GPR128</i>	1.0292887	-0.20405	0.0423199	0.05130974
<i>EPT1</i>	1.0290895	6.214645	1.57E-44	1.31E-43
<i>BOLA1</i>	1.0290229	4.267801	6.64E-30	3.35E-29
<i>GAPT</i>	1.0289333	2.155797	3.42E-17	9.97E-17
<i>DARS2</i>	1.0287638	5.528364	3.07E-41	2.33E-40
<i>RIPPLY2</i>	1.0284447	-2.68328	0.0110513	0.01414271
<i>MAP4K1</i>	1.0282242	3.10769	1.22E-15	3.29E-15
<i>PPAN</i>	1.0280488	2.55604	2.68E-21	9.35E-21
<i>LYPLA1</i>	1.0279169	6.738299	1.05E-31	5.71E-31
<i>GRIN1</i>	1.0278842	1.610659	1.97E-09	3.89E-09
<i>ORAI2</i>	1.0270841	5.708849	3.37E-53	3.55E-52
<i>FBXW12</i>	1.0269278	-1.45577	2.40E-13	5.79E-13
<i>CCL25</i>	1.0268123	-2.29938	4.04E-05	6.14E-05
<i>ATHL1</i>	1.0266087	6.306137	5.67E-09	1.09E-08

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>PAICS</i>	1.0264133	7.536055	1.14E-46	1.01E-45
<i>SPINT1</i>	1.0256478	7.788404	5.06E-35	3.12E-34
<i>ADCY1</i>	1.0254344	5.851112	9.23E-07	1.56E-06
<i>AP1S3</i>	1.0252362	2.36111	2.36E-26	1.03E-25
<i>TMSB10</i>	1.0249352	10.07121	2.40E-22	8.78E-22
<i>P4HB</i>	1.0249023	9.985771	2.09E-39	1.49E-38
<i>VANGL1</i>	1.0244872	5.759304	1.68E-45	1.45E-44
<i>PRDX1</i>	1.0243217	8.538324	5.82E-43	4.64E-42
<i>ARMC4</i>	1.0242168	0.287189	1.31E-05	2.06E-05
<i>RUVBL2</i>	1.0241418	6.573988	7.34E-43	5.83E-42
<i>CD2</i>	1.023851	4.052898	1.02E-10	2.14E-10
<i>FKBPL</i>	1.0238407	3.405352	5.82E-42	4.51E-41
<i>PSMC4</i>	1.0237326	6.598452	7.33E-55	8.06E-54
<i>CERCAM</i>	1.0236957	6.536837	7.95E-30	4.00E-29
<i>AP2S1</i>	1.0236921	6.413603	1.81E-40	1.34E-39
<i>APOBEC3H</i>	1.023107	-0.27586	1.23E-13	3.01E-13
<i>CBX3</i>	1.0227151	7.991247	1.95E-68	2.99E-67
<i>GDPD1</i>	1.0224048	2.835001	2.80E-18	8.55E-18
<i>CCL5</i>	1.0221265	5.44489	1.06E-10	2.23E-10
<i>TMUB1</i>	1.022022	5.038074	3.67E-31	1.96E-30
<i>IGFLR1</i>	1.0217527	0.912354	1.07E-26	4.71E-26
<i>MMP17</i>	1.021549	3.00893	1.43E-12	3.31E-12
<i>HCN3</i>	1.0212224	2.739619	4.28E-26	1.85E-25
<i>FAM178B</i>	1.0209785	1.530186	1.16E-06	1.95E-06
<i>H3F3A</i>	1.0207691	5.841346	3.23E-54	3.50E-53
<i>APBA2</i>	1.0207353	2.926363	8.70E-11	1.84E-10
<i>RAB33A</i>	1.020648	-0.08227	3.32E-20	1.10E-19
<i>DNAJA4</i>	1.0206282	6.33755	1.50E-21	5.29E-21
<i>CDCP1</i>	1.0205539	5.888227	2.79E-21	9.75E-21

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>CXXC5</i>	1.0201407	6.824455	2.16E-23	8.22E-23
<i>SIX1</i>	1.0196693	4.905946	2.93E-08	5.41E-08
<i>ABCB9</i>	1.0196005	3.650148	2.60E-24	1.03E-23
<i>ZNF93</i>	1.0194934	3.496887	7.68E-32	4.20E-31
<i>PDXP</i>	1.0194522	-0.63898	9.65E-18	2.89E-17
<i>SF3B4</i>	1.0189271	6.959773	6.43E-55	7.08E-54
<i>PCDHGA8</i>	1.0188107	-0.51104	2.43E-06	3.99E-06
<i>IRF9</i>	1.0187218	2.777034	8.16E-22	2.91E-21
<i>DNAAF1</i>	1.0186164	2.247175	4.87E-10	9.93E-10
<i>LURAP1L</i>	1.0184561	5.476283	1.82E-13	4.42E-13
<i>ACP5</i>	1.0183809	6.399894	9.81E-14	2.41E-13
<i>OVOL2</i>	1.0183644	3.870685	1.57E-28	7.53E-28
<i>CD72</i>	1.0179679	2.224965	7.62E-19	2.38E-18
<i>IL31RA</i>	1.0175891	-2.41274	5.14E-07	8.81E-07
<i>SKA2</i>	1.0168507	5.462906	5.24E-29	2.56E-28
<i>HLA_DQB1</i>	1.0168173	7.105142	5.43E-15	1.42E-14
<i>GAPDH</i>	1.0163379	11.15714	9.26E-27	4.11E-26
<i>MRPS23</i>	1.0163324	5.848218	3.43E-41	2.60E-40
<i>SRXN1</i>	1.016243	0.842467	1.19E-30	6.22E-30
<i>ITGAL</i>	1.0160695	4.917911	2.78E-17	8.15E-17
<i>CHML</i>	1.0159932	5.341097	3.36E-22	1.22E-21
<i>RGS10</i>	1.0159603	5.404351	2.51E-31	1.34E-30
<i>ISOC2</i>	1.015612	5.609379	1.79E-30	9.30E-30
<i>ILF2</i>	1.0152119	8.110706	4.24E-50	4.11E-49
<i>NIPSNAP1</i>	1.0146325	6.49786	2.36E-50	2.31E-49
<i>SPRR3</i>	1.01461	0.762455	0.0472118	0.05695124
<i>STAP2</i>	1.0145888	5.32151	1.56E-25	6.54E-25
<i>CKS1B</i>	1.0145871	5.062176	4.71E-28	2.21E-27

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>TRIM3</i>	1.0145762	5.073556	1.97E-23	7.52E-23
<i>FAAH</i>	1.014055	5.188484	1.32E-23	5.07E-23
<i>IL1R2</i>	1.0135792	0.94984	2.18E-06	3.59E-06
<i>SP6</i>	1.0135577	3.872595	4.74E-12	1.07E-11
<i>BLNK</i>	1.0131023	4.270218	2.72E-30	1.40E-29
<i>RP11_345J4.5</i>	1.0126877	2.326499	6.80E-41	5.09E-40
<i>RGS14</i>	1.0119826	4.272567	1.49E-27	6.81E-27
<i>SMPD3</i>	1.0119048	3.436142	5.04E-11	1.08E-10
<i>SH3BP1</i>	1.0118078	4.347612	5.12E-29	2.50E-28
<i>SPTBN2</i>	1.0115867	6.169843	3.50E-12	7.93E-12
<i>ZNF474</i>	1.011555	-0.94114	5.27E-14	1.32E-13
<i>RHBDF2</i>	1.0115289	5.097028	1.35E-33	7.92E-33
<i>MAP7D2</i>	1.0106003	1.113643	9.42E-06	1.49E-05
<i>RHNO1</i>	1.0095012	5.210651	3.24E-50	3.15E-49
<i>ARL6IP1</i>	1.0093181	8.435748	2.42E-46	2.13E-45
<i>VSTM1</i>	1.0092487	-3.14891	3.54E-06	5.75E-06
<i>JOSD2</i>	1.0089331	4.116444	1.61E-20	5.43E-20
<i>NARFL</i>	1.0088511	5.166719	3.77E-37	2.49E-36
<i>TMC6</i>	1.0086055	5.719384	1.08E-27	4.99E-27
<i>WBSCR27</i>	1.0085258	2.104025	8.03E-13	1.89E-12
<i>ABCB8</i>	1.0085112	5.311935	7.11E-55	7.84E-54
<i>KCTD6</i>	1.0084461	4.362941	1.29E-17	3.85E-17
<i>NDUFS6</i>	1.0080903	5.759792	3.39E-26	1.47E-25
<i>CAPN15</i>	1.0079761	5.27687	2.21E-44	1.84E-43
<i>CARD14</i>	1.0079037	3.822532	2.54E-19	8.11E-19
<i>SLC35B1</i>	1.0077263	5.97928	1.81E-33	1.05E-32
<i>SCAMP5</i>	1.0076066	4.627155	6.15E-20	2.01E-19
<i>PSMB9</i>	1.0070077	5.254319	6.23E-15	1.63E-14
<i>SRRM5</i>	1.0068309	0.231965	7.49E-29	3.62E-28

Gene names	logFC	log2CPM	P.Value	adj.P.Val
<i>SRP9</i>	1.0067608	7.889657	1.05E-61	1.38E-60
<i>MFSD2A</i>	1.0066373	3.34891	6.74E-10	1.36E-09
<i>SLC39A7</i>	1.0063752	7.776647	2.93E-47	2.64E-46
<i>SSR4</i>	1.0063635	7.587443	4.15E-31	2.21E-30
<i>SPATC1L</i>	1.0059948	3.144454	5.91E-15	1.54E-14
<i>NCDN</i>	1.0055957	5.760856	7.25E-38	4.90E-37
<i>ZNF579</i>	1.0055886	3.602268	2.51E-25	1.05E-24
<i>PPP1R14D</i>	1.0052714	-0.92143	5.28E-09	1.02E-08
<i>SCNM1</i>	1.0051095	5.040804	2.80E-42	2.19E-41
<i>E2F3</i>	1.0050361	4.992633	5.50E-29	2.68E-28
<i>POTEF</i>	1.0047442	-0.92318	1.05E-05	1.67E-05
<i>GFRA3</i>	1.0045826	0.885833	0.0003132	0.00044956
<i>RANGAP1</i>	1.0043056	7.103956	5.28E-42	4.10E-41
<i>UFSP1</i>	1.0041227	0.846123	2.50E-21	8.73E-21
<i>UNC93B1</i>	1.0034411	5.550348	4.24E-31	2.25E-30
<i>ATPIF1</i>	1.0031655	6.273946	3.60E-40	2.63E-39
<i>CDK2AP2</i>	1.0025949	5.762736	2.64E-29	1.30E-28
<i>RPS6KB2</i>	1.0024982	5.432427	3.81E-37	2.52E-36
<i>MSI2</i>	1.002084	7.116998	7.46E-27	3.32E-26
<i>DLG3</i>	1.0017835	6.428947	9.08E-53	9.43E-52
<i>NME4</i>	1.0017503	7.023875	4.41E-30	2.25E-29
<i>MTFR1</i>	1.0016565	5.377068	1.81E-27	8.27E-27
<i>B3GAT3</i>	1.0012859	5.454781	4.90E-33	2.80E-32
<i>TCEB1</i>	1.0010847	5.834454	3.81E-38	2.60E-37
<i>NR2C2AP</i>	1.0005578	4.826273	8.10E-38	5.47E-37
<i>PMM2</i>	1.0003537	4.399044	2.43E-52	2.50E-51

Table S6. Functional enrichment analysis results of the DEGs at the intersection of the P4 and MPA group with BRCA group.

GroupID	Term	Description	LogP	Log(q-value)	Symbols
1_Summary	R-HSA-1640170	Cell Cycle	-12.68505396	-8.339	BRCA1,CDKN2D,CENPA,FEN1,H2BC5,H3-3A,HMMR,POLE2,RAD21,RAD51,RRM2,H3C2,H4C3,CCNE2,KNTC1,ZWINT,MCM10,RCC2,CDCA5,CENPS,ECT2,PIK3R2,KIF14,DEPDC1B,IQGAP3
1_Member	R-HSA-1640170	Cell Cycle	-12.68505396	-8.339	BRCA1,CDKN2D,CENPA,FEN1,H2BC5,H3-3A,HMMR,POLE2,RAD21,RAD51,RRM2,H3C2,H4C3,CCNE2,KNTC1,ZWINT,MCM10,RCC2,CDCA5,CENPS
1_Member	R-HSA-69278	Cell Cycle, Mitotic	-12.17532439	-8.130	CDKN2D,CENPA,FEN1,H2BC5,H3-3A,HMMR,POLE2,RAD21,RRM2,H3C2,H4C3,CCNE2,KNTC1,ZWINT,MCM10,RCC2,CDCA5,CENPS
1_Member	R-HSA-194315	Signaling by Rho GTPases	-9.281111223	-5.537	CENPA,ECT2,H2BC5,H3-3A,PIK3R2,H3C2,H4C3,KNTC1,KIF14,ZWINT,DEPDC1B,RCC2,IQGAP3,CENPS
1_Member	R-HSA-195258	RHO GTPase Effectors	-7.768680011	-4.627	CENPA,H2BC5,H3-3A,H3C2,H4C3,KNTC1,KIF14,ZWINT,RCC2,IQGAP3,CENPS
1_Member	R-HSA-69620	Cell Cycle Checkpoints	-7.146848149	-4.123	BRCA1,CENPA,H2BC5,H4C3,CCNE2,KNTC1,ZWINT,MCM10,RCC2,CENPS
1_Member	R-HSA-68886	M Phase	-6.690219228	-3.742	CENPA,H2BC5,H3-3A,RAD21,H3C2,H4C3,KNTC1,ZWINT,RCC2,CDCA5,CENPS
1_Member	R-HSA-2500257	Resolution of Sister Chromatid Cohesion	-6.567837612	-3.669	CENPA,RAD21,KNTC1,ZWINT,RCC2,CDCA5,CENPS

1_Member	R-HSA-2467813	Separation of Sister Chromatids	-5.356322501	-2.654	CENPA,RAD21,KNTC1,ZWINT,RCC2,CDCA5,CENPS
1_Member	R-HSA-68877	Mitotic Prometaphase	-5.168719717	-2.495	CENPA,RAD21,KNTC1,ZWINT,RCC2,CDCA5,CENPS
1_Member	R-HSA-68882	Mitotic Anaphase	-4.758158372	-2.128	CENPA,RAD21,KNTC1,ZWINT,RCC2,CDCA5,CENPS
1_Member	R-HSA-2555396	Mitotic Metaphase and Anaphase	-4.746343618	-2.124	CENPA,RAD21,KNTC1,ZWINT,RCC2,CDCA5,CENPS
1_Member	R-HSA-141424	Amplification of signal from the kinetochores	-4.690552027	-2.086	CENPA,KNTC1,ZWINT,RCC2,CENPS
1_Member	R-HSA-141444	Amplification of signal from unattached kinetochores via a MAD2 inhibitory signal	-4.690552027	-2.086	CENPA,KNTC1,ZWINT,RCC2,CENPS
1_Member	R-HSA-69618	Mitotic Spindle Checkpoint	-4.349438912	-1.872	CENPA,KNTC1,ZWINT,RCC2,CENPS
1_Member	R-HSA-9648025	EML4 and NUDC in mitotic spindle formation	-4.277239841	-1.817	CENPA,KNTC1,ZWINT,RCC2,CENPS
1_Member	R-HSA-5663220	RHO GTPases Activate Formins	-3.908215753	-1.572	CENPA,KNTC1,ZWINT,RCC2,CENPS
2_Summary	GO:0071103	DNA conformation change	-10.03058168	-6.161	CENPA,H2BC5,H3-3A,HMGB2,HMGB3,RAD51,H3C2,H4C3,POLQ,CHD5,NUSAP1,CDCA5,CENPS,BRC A1,RAD21,FEN1,SAP30,ST3GAL4,CDKN2D,CCNE2,PIK3R2,RDH16,HDAC11,NEIL3,ATAD2,MCM10,SFXN1,ELOC,FANCD2
2_Member	GO:0071103	DNA conformation change	-10.03058168	-6.161	CENPA,H2BC5,H3-3A,HMGB2,HMGB3,RAD51,H3C2,H4C3,POLQ,CHD5,NUSAP1,CDCA5,CENPS
2_Member	GO:0006323	DNA packaging	-8.533166724	-5.266	CENPA,H2BC5,H3-3A,HMGB2,H3C2,H4C3,CHD5,NUSAP1,CDCA5,CENPS
2_Member	R-HSA-1500620	Meiosis	-6.762681032	-3.797	BRCA1,H2BC5,H3-3A,RAD21,RAD51,H3C2,H4C3

2_Member	GO:0034728	nucleosome organization	-6.63395606	-3.719	CENPA,H2BC5,H3-3A,HMGB2,H3C2,H4C3,CHD5,CENPS
2_Member	R-HSA-912446	Meiotic recombination	-6.281272763	-3.412	BRCA1,H2BC5,H3-3A,RAD51,H3C2,H4C3
2_Member	GO:0071824	protein-DNA complex subunit organization	-6.24632237	-3.391	CENPA,H2BC5,H3-3A,HMGB2,RAD51,H3C2,H4C3,CHD5,CENPS
2_Member	R-HSA-1474165	Reproduction	-6.194720232	-3.363	BRCA1,H2BC5,H3-3A,RAD21,RAD51,H3C2,H4C3
2_Member	GO:0006334	nucleosome assembly	-6.154004878	-3.352	CENPA,H2BC5,H3-3A,HMGB2,H3C2,H4C3,CENPS
2_Member	GO:0031497	chromatin assembly	-5.777498762	-2.999	CENPA,H2BC5,H3-3A,HMGB2,H3C2,H4C3,CENPS
2_Member	GO:0065004	protein-DNA complex assembly	-5.704763138	-2.950	CENPA,H2BC5,H3-3A,HMGB2,RAD51,H3C2,H4C3,CENPS
2_Member	GO:0006338	chromatin remodeling	-5.386426969	-2.663	CENPA,H3-3A,HMGB2,HMGB3,H4C3,CHD5,CENPS
2_Member	GO:0006333	chromatin assembly or disassembly	-5.371331262	-2.659	CENPA,H2BC5,H3-3A,HMGB2,H3C2,H4C3,CENPS
2_Member	R-HSA-73886	Chromosome Maintenance	-5.028073354	-2.381	CENPA,FEN1,H2BC5,H3-3A,H4C3,CENPS
2_Member	GO:0031055	chromatin remodeling at centromere	-4.684337456	-2.086	CENPA,H3-3A,H4C3,CENPS
2_Member	GO:0006336	DNA replication-independent nucleosome assembly	-4.47587428	-1.923	CENPA,H3-3A,H4C3,CENPS
2_Member	R-HSA-427413	NoRC negatively regulates rRNA expression	-4.463095235	-1.923	H2BC5,H3-3A,H3C2,H4C3,SAP30
2_Member	GO:0034724	DNA replication-independent nucleosome organization	-4.443589412	-1.917	CENPA,H3-3A,H4C3,CENPS
2_Member	R-HSA-1912422	Pre-NOTCH Expression and Processing	-4.424460061	-1.905	H2BC5,H3-3A,ST3GAL4,H3C2,H4C3
2_Member	R-HSA-5250941	Negative epigenetic regulation of rRNA expression	-4.405428839	-1.904	H2BC5,H3-3A,H3C2,H4C3,SAP30

Supplementary Material

2_Member	GO:0034508	centromere complex assembly	-4.380889702	-1.892	CENPA,H3-3A,H4C3,CENPS
2_Member	R-HSA-2559582	Senescence-Associated Secretory Phenotype (SASP)	-4.367921622	-1.885	CDKN2D,H2BC5,H3-3A,H3C2,H4C3
2_Member	GO:0043486	histone exchange	-4.291182668	-1.826	CENPA,H4C3,CHD5,CENPS
2_Member	R-HSA-2559583	Cellular Senescence	-4.209961518	-1.772	CDKN2D,H2BC5,H3-3A,H3C2,H4C3,CCNE2
2_Member	R-HSA-73728	RNA Polymerase I Promoter Opening	-4.178864891	-1.757	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-2559580	Oxidative Stress Induced Senescence	-4.140554379	-1.729	CDKN2D,H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-5334118	DNA methylation	-4.125528394	-1.719	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-9006931	Signaling by Nuclear Receptors	-4.106480939	-1.705	H2BC5,H3-3A,PIK3R2,RAD21,H3C2,H4C3,RDH16
2_Member	R-HSA-5625886	Activated PKN1 stimulates transcription of AR (androgen receptor) regulated genes KLK2 and KLK3	-4.073917254	-1.687	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-427359	SIRT1 negatively regulates rRNA expression	-4.04872585	-1.666	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-212300	PRC2 methylates histones and DNA	-3.928441321	-1.573	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-8939211	ESR-mediated signaling	-3.913979058	-1.572	H2BC5,H3-3A,PIK3R2,RAD21,H3C2,H4C3
2_Member	R-HSA-2299718	Condensation of Prophase Chromosomes	-3.90544459	-1.572	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-606279	Deposition of new CENPA-containing nucleosomes at the centromere	-3.90544459	-1.572	CENPA,H2BC5,H4C3,CENPS
2_Member	R-HSA-774815	Nucleosome assembly	-3.90544459	-1.572	CENPA,H2BC5,H4C3,CENPS

2_Member	R-HSA-427389	ERCC6 (CSB) and EHMT2 (G9a) positively regulate rRNA expression	-3.860434183	-1.539	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-1221632	Meiotic synapsis	-3.795247276	-1.487	BRCA1,H2BC5,RAD21,H4C3
2_Member	R-HSA-212165	Epigenetic regulation of gene expression	-3.781540517	-1.487	H2BC5,H3-3A,H3C2,H4C3,SAP30
2_Member	R-HSA-157118	Signaling by NOTCH	-3.780177158	-1.487	H2BC5,H3-3A,ST3GAL4,H3C2,H4C3,HDAC11
2_Member	R-HSA-9018519	Estrogen-dependent gene expression	-3.767986886	-1.479	H2BC5,H3-3A,RAD21,H3C2,H4C3
2_Member	GO:0045652	regulation of megakaryocyte differentiation	-3.732666122	-1.447	H3-3A,HMGB2,H3C2,H4C3
2_Member	GO:0043044	ATP-dependent chromatin remodeling	-3.577133376	-1.345	CENPA,H4C3,CHD5,CENPS
2_Member	R-HSA-9616222	Transcriptional regulation of granulopoiesis	-3.577133376	-1.345	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-201722	Formation of the beta-catenin:TCF transactivating complex	-3.558746508	-1.338	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-5250924	B-WICH complex positively regulates rRNA expression	-3.558746508	-1.338	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-73772	RNA Polymerase I Promoter Escape	-3.558746508	-1.338	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-1912408	Pre-NOTCH Transcription and Translation	-3.522618656	-1.313	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-3214815	HDACs deacetylate histones	-3.504868285	-1.298	H2BC5,H3C2,H4C3,SAP30
2_Member	R-HSA-5625740	RHO GTPases activate PKNs	-3.487320946	-1.289	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-8936459	RUNX1 regulates genes involved in megakaryocyte	-3.452818202	-1.262	H2BC5,H3-3A,H3C2,H4C3

		differentiation and platelet function			
2_Member	GO:0000183	chromatin silencing at rDNA	-3.421337316	-1.239	H3-3A,H3C2,H4C3
2_Member	GO:0030219	megakaryocyte differentiation	-3.402483044	-1.229	H3-3A,HMGB2,H3C2,H4C3
2_Member	ko05034	Alcoholism	-3.402223182	-1.229	H2BC5,H3-3A,H3C2,H4C3,HDAC11
2_Member	GO:0034080	CENP-A containing nucleosome assembly	-3.359899575	-1.198	CENPA,H4C3,CENPS
2_Member	GO:0061641	CENP-A containing chromatin organization	-3.359899575	-1.198	CENPA,H4C3,CENPS
2_Member	hsa05034	Alcoholism	-3.347901304	-1.192	H2BC5,H3-3A,H3C2,H4C3,HDAC11
2_Member	R-HSA-5250913	Positive epigenetic regulation of rRNA expression	-3.306554452	-1.162	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-5578749	Transcriptional regulation by small RNAs	-3.306554452	-1.162	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-977225	Amyloid fiber formation	-3.260780989	-1.129	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-73854	RNA Polymerase I Promoter Clearance	-3.245827536	-1.127	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-73864	RNA Polymerase I Transcription	-3.216360496	-1.106	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-157579	Telomere Maintenance	-3.201841613	-1.094	FEN1,H2BC5,H3-3A,H4C3
2_Member	ko05203	Viral carcinogenesis	-3.184549236	-1.084	H2BC5,PIK3R2,H4C3,CCNE2,HDAC11
2_Member	R-HSA-5617472	Activation of anterior HOX genes in hindbrain development during early embryogenesis	-3.090518997	-1.006	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-5619507	Activation of HOX genes during differentiation	-3.090518997	-1.006	H2BC5,H3-3A,H3C2,H4C3
2_Member	hsa05203	Viral carcinogenesis	-3.089736621	-1.006	H2BC5,PIK3R2,H4C3,CCNE2,HDAC11
2_Member	R-HSA-110330	Recognition and association of DNA glycosylase with site	-3.022451736	-0.957	H2BC5,H4C3,NEIL3

		containing an affected purine			
2_Member	R-HSA-110331	Cleavage of the damaged purine	-3.022451736	-0.957	H2BC5,H4C3,NEIL3
2_Member	R-HSA-73927	Depurination	-3.022451736	-0.957	H2BC5,H4C3,NEIL3
2_Member	R-HSA-8939236	RUNX1 regulates transcription of genes involved in differentiation of HSCs	-2.974553448	-0.914	H2BC5,H3-3A,H3C2,H4C3
2_Member	ko05322	Systemic lupus erythematosus	-2.937853335	-0.884	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-110328	Recognition and association of DNA glycosylase with site containing an affected pyrimidine	-2.914438808	-0.875	H2BC5,H4C3,NEIL3
2_Member	R-HSA-110329	Cleavage of the damaged pyrimidine	-2.914438808	-0.875	H2BC5,H4C3,NEIL3
2_Member	R-HSA-73928	Depyrimidination	-2.914438808	-0.875	H2BC5,H4C3,NEIL3
2_Member	GO:0006342	chromatin silencing	-2.913891136	-0.875	H3-3A,H3C2,H4C3,ATAD2
2_Member	R-HSA-211000	Gene Silencing by RNA	-2.902056863	-0.865	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-73929	Base-Excision Repair, AP Site Formation	-2.873859011	-0.846	H2BC5,H4C3,NEIL3
2_Member	R-HSA-68875	Mitotic Prophase	-2.833017733	-0.811	H2BC5,H3-3A,H3C2,H4C3
2_Member	hsa05322	Systemic lupus erythematosus	-2.788767921	-0.771	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-9670095	Inhibition of DNA recombination at telomere	-2.778163633	-0.764	H2BC5,H3-3A,H4C3
2_Member	R-HSA-5693571	Nonhomologous End-Joining (NHEJ)	-2.759932045	-0.752	BRCA1,H2BC5,H4C3
2_Member	GO:0045814	negative regulation of gene expression, epigenetic	-2.756457498	-0.752	H3-3A,H3C2,H4C3,ATAD2

Supplementary Material

2_Member	GO:0060968	regulation of gene silencing	-2.663722054	-0.679	H3-3A,H3C2,H4C3,ATAD2
2_Member	GO:0045637	regulation of myeloid cell differentiation	-2.660616897	-0.678	H3-3A,HMGB2,HMGB3,H3C2,H4C3
2_Member	R-HSA-5693565	Recruitment and ATM-mediated phosphorylation of repair and signaling proteins at DNA double strand breaks	-2.639768819	-0.661	BRCA1,H2BC5,H4C3
2_Member	R-HSA-5693606	DNA Double Strand Break Response	-2.623582115	-0.648	BRCA1,H2BC5,H4C3
2_Member	R-HSA-2559586	DNA Damage/Telomere Stress Induced Senescence	-2.576351965	-0.610	H2BC5,H4C3,CCNE2
2_Member	R-HSA-69481	G2/M Checkpoints	-2.567395501	-0.603	BRCA1,H2BC5,H4C3,MCM10
2_Member	GO:0030099	myeloid cell differentiation	-2.41958712	-0.473	H3-3A,HMGB2,HMGB3,H3C2,H4C3,SFXN1
2_Member	R-HSA-2262752	Cellular responses to stress	-2.398244527	-0.462	CDKN2D,H2BC5,H3-3A,ELOC,H3C2,H4C3,CCNE2
2_Member	R-HSA-69473	G2/M DNA damage checkpoint	-2.365887424	-0.433	BRCA1,H2BC5,H4C3
2_Member	R-HSA-8953897	Cellular responses to external stimuli	-2.342587301	-0.411	CDKN2D,H2BC5,H3-3A,ELOC,H3C2,H4C3,CCNE2
2_Member	R-HSA-5693607	Processing of DNA double-strand break ends	-2.32816009	-0.400	BRCA1,H2BC5,H4C3
2_Member	GO:0060964	regulation of gene silencing by miRNA	-2.125581616	-0.242	H3-3A,H3C2,H4C3
2_Member	R-HSA-9610379	HCMV Late Events	-2.125581616	-0.242	H2BC5,H3C2,H4C3
2_Member	GO:1903706	regulation of hemopoiesis	-2.121651399	-0.239	FANCD2,H3-3A,HMGB2,HMGB3,H3C2,H4C3
2_Member	GO:0060147	regulation of posttranscriptional gene silencing	-2.085294495	-0.209	H3-3A,H3C2,H4C3

2_Member	GO:0060966	regulation of gene silencing by RNA	-2.085294495	-0.209	H3-3A,H3C2,H4C3
2_Member	R-HSA-201681	TCF dependent signaling in response to WNT	-2.067873545	-0.197	H2BC5,H3-3A,H3C2,H4C3
2_Member	R-HSA-8878171	Transcriptional regulation by RUNX1	-2.030140932	-0.167	H2BC5,H3-3A,H3C2,H4C3
3_Summary	GO:0006281	DNA repair	-9.041538592	-5.394	BRCA1,CDKN2D,FANCD2,FEN1,HMGB2,POLE2,RAD21,RAD51,H4C3,PCLAF,RAD51AP1,POLQ,NEIL3,CDCA5,CENPS,H2BC5,HMGB3,MUC1,ECT2,RRM2,DEPDC1B,GJB2,KCNJ11
3_Member	GO:0006281	DNA repair	-9.041538592	-5.394	BRCA1,CDKN2D,FANCD2,FEN1,HMGB2,POLE2,RAD21,RAD51,H4C3,PCLAF,RAD51AP1,POLQ,NEIL3,CDCA5,CENPS
3_Member	R-HSA-73894	DNA Repair	-8.759005034	-5.275	BRCA1,FANCD2,FEN1,H2BC5,POLE2,RAD51,H4C3,PCLAF,RAD51AP1,POLQ,NEIL3,CENPS
3_Member	R-HSA-5693538	Homology Directed Repair	-7.58225073	-4.491	BRCA1,FEN1,H2BC5,POLE2,RAD51,H4C3,RAD51AP1,POLQ
3_Member	GO:0006310	DNA recombination	-7.065056682	-4.061	BRCA1,FANCD2,FEN1,HMGB2,HMGB3,RAD21,RAD51,RAD51AP1,POLQ,CENPS
3_Member	R-HSA-5693532	DNA Double-Strand Break Repair	-6.959058071	-3.975	BRCA1,FEN1,H2BC5,POLE2,RAD51,H4C3,RAD51AP1,POLQ
3_Member	GO:0006302	double-strand break repair	-6.513825432	-3.630	BRCA1,FANCD2,FEN1,RAD21,RAD51,H4C3,RAD51AP1,POLQ,CDCA5
3_Member	R-HSA-5693567	HDR through Homologous Recombination (HRR) or Single Strand Annealing (SSA)	-5.192434101	-2.499	BRCA1,H2BC5,POLE2,RAD51,H4C3,RAD51AP1
3_Member	GO:0000724	double-strand break repair via homologous recombination	-5.081562839	-2.417	BRCA1,FEN1,RAD21,RAD51,RAD51AP1,POLQ
3_Member	GO:0000725	recombinational repair	-5.045764651	-2.390	BRCA1,FEN1,RAD21,RAD51,RAD51AP1,POLQ

3_Member	R-HSA-5685942	HDR through Homologous Recombination (HRR)	-4.073917254	-1.687	BRCA1,POLE2,RAD51,RAD51AP1
3_Member	R-HSA-5693554	Resolution of D-loop Structures through Synthesis-Dependent Strand Annealing (SDSA)	-4.01793601	-1.640	BRCA1,RAD51,RAD51AP1
3_Member	GO:2001020	regulation of response to DNA damage stimulus	-3.882335461	-1.553	BRCA1,CDKN2D,MUC1,RAD51,RAD51AP1,POLQ
3_Member	GO:0010212	response to ionizing radiation	-3.836773553	-1.520	BRCA1,ECT2,FANCD2,RAD51,RAD51AP1
3_Member	GO:0009314	response to radiation	-3.804758469	-1.492	BRCA1,CDKN2D,ECT2,FANCD2,FEN1,RAD51,PCLAF,RAD51AP1
3_Member	R-HSA-5693568	Resolution of D-loop Structures through Holliday Junction Intermediates	-3.703592366	-1.433	BRCA1,RAD51,RAD51AP1
3_Member	R-HSA-5693537	Resolution of D-Loop Structures	-3.664554155	-1.401	BRCA1,RAD51,RAD51AP1
3_Member	R-HSA-8953750	Transcriptional Regulation by E2F6	-3.626714947	-1.372	BRCA1,RAD51,RRM2
3_Member	GO:0070317	negative regulation of G0 to G1 transition	-3.421337316	-1.239	BRCA1,RAD51,RRM2
3_Member	R-HSA-5693579	Homologous DNA Pairing and Strand Exchange	-3.390230413	-1.220	BRCA1,RAD51,RAD51AP1
3_Member	GO:0070316	regulation of G0 to G1 transition	-3.301422322	-1.162	BRCA1,RAD51,RRM2
3_Member	GO:0045023	G0 to G1 transition	-3.273210108	-1.139	BRCA1,RAD51,RRM2
3_Member	GO:0010569	regulation of double-strand break repair via homologous recombination	-3.245641934	-1.127	RAD51,RAD51AP1,POLQ
3_Member	hsa03440	Homologous recombination	-3.218690063	-1.106	BRCA1,RAD51,DEPDC1B

3_Member	GO:0006282	regulation of DNA repair	-2.949984251	-0.894	BRCA1,RAD51,RAD51AP1,POLQ
3_Member	GO:0071479	cellular response to ionizing radiation	-2.778163633	-0.764	ECT2,RAD51,RAD51AP1
3_Member	GO:2000779	regulation of double-strand break repair	-2.501744071	-0.546	RAD51,RAD51AP1,POLQ
3_Member	GO:0097327	response to antineoplastic agent	-2.315864905	-0.390	BRCA1,GJB2,RAD51
3_Member	GO:0006303	double-strand break repair via nonhomologous end joining	-2.303705256	-0.379	BRCA1,H4C3,POLQ
3_Member	GO:0000018	regulation of DNA recombination	-2.222163359	-0.320	RAD51,RAD51AP1,POLQ
3_Member	GO:0000726	non-recombinational repair	-2.210996221	-0.317	BRCA1,H4C3,POLQ
3_Member	GO:0035690	cellular response to drug	-2.012746307	-0.152	BRCA1,ECT2,GJB2,KCNJ11,RAD51
4_Summary	GO:0010564	regulation of cell cycle process	-8.816908522	-5.275	BRCA1,CALR,CDKN2D,ECT2,FEN1,HMMR,MUC1,RAD21,RAD51,RRM2,KNTC1,KIF14,GPSM2,NUSAP1,RCC2,CDCA5,E2F7,POLE2,CCNE2,MCM10,IQGAP3,FANCD2,ZWINT,H3-3A,CKAP2,ATAD2,PACSIN1
4_Member	GO:0010564	regulation of cell cycle process	-8.816908522	-5.275	BRCA1,CALR,CDKN2D,ECT2,FEN1,HMMR,MUC1,RAD21,RAD51,RRM2,KNTC1,KIF14,GPSM2,NUSAP1,RCC2,CDCA5,E2F7
4_Member	GO:0044772	mitotic cell cycle phase transition	-8.667492608	-5.275	BRCA1,CDKN2D,HMMR,MUC1,POLE2,RAD21,RRM2,CCNE2,KNTC1,KIF14,MCM10,RCC2,CDCA5,IQGAP3,E2F7
4_Member	GO:0044770	cell cycle phase transition	-8.246349603	-5.014	BRCA1,CDKN2D,HMMR,MUC1,POLE2,RAD21,RRM2,CCNE2,KNTC1,KIF14,MCM10,RCC2,CDCA5,IQGAP3,E2F7
4_Member	GO:0090068	positive regulation of cell cycle process	-8.124429438	-4.924	BRCA1,ECT2,FEN1,MUC1,RAD21,KIF14,GPSM2,NUSAP1,RCC2,CDCA5,E2F7
4_Member	GO:0045787	positive regulation of cell cycle	-7.933015464	-4.763	BRCA1,CALR,ECT2,FEN1,MUC1,RAD21,KIF14,GPSM2,NUSAP1,RCC2,CDCA5,E2F7

4_Member	GO:0007346	regulation of mitotic cell cycle	-7.150494353	-4.123	BRCA1,CDKN2D,FANCD2,HMMR,MUC1,RAD21,KNTC1,KIF14,ZWINT,GPSM2,NUSAP1,RCC2,CDCA5,E2F7
4_Member	GO:1901990	regulation of mitotic cell cycle phase transition	-5.481874991	-2.748	BRCA1,CDKN2D,HMMR,MUC1,RAD21,KNTC1,KIF14,RCC2,CDCA5,E2F7
4_Member	GO:1901987	regulation of cell cycle phase transition	-5.17114445	-2.495	BRCA1,CDKN2D,HMMR,MUC1,RAD21,KNTC1,KIF14,RCC2,CDCA5,E2F7
4_Member	GO:0010389	regulation of G2/M transition of mitotic cell cycle	-3.19432299	-1.089	BRCA1,HMMR,RAD21,KIF14,RCC2
4_Member	GO:1902749	regulation of cell cycle G2/M phase transition	-3.035264839	-0.957	BRCA1,HMMR,RAD21,KIF14,RCC2
4_Member	GO:0000086	G2/M transition of mitotic cell cycle	-2.733502055	-0.736	BRCA1,HMMR,RAD21,KIF14,RCC2
4_Member	GO:0044839	cell cycle G2/M phase transition	-2.597727649	-0.626	BRCA1,HMMR,RAD21,KIF14,RCC2
4_Member	GO:0051129	negative regulation of cellular component organization	-2.284123162	-0.368	BRCA1,H3-3A,RAD21,KIF14,CKAP2,ATAD2,PACSIN1,RCC2
4_Member	GO:0034446	substrate adhesion-dependent cell spreading	-2.233446317	-0.327	CALR,KIF14,RCC2
5_Summary	GO:0007059	chromosome segregation	-8.715255396	-5.275	BRCA1,ECT2,FANCD2,FEN1,RAD21,CCNE2,KIF14,ZWINT,NUSAP1,RCC2,CDCA5,CENPS,CENPA,KNTC1,CKAP2,GPSM2,E2F7,CALR,RAD51,POLE2,H3-3A,MUC1,ATAD2
5_Member	GO:0007059	chromosome segregation	-8.715255396	-5.275	BRCA1,ECT2,FANCD2,FEN1,RAD21,CCNE2,KIF14,ZWINT,NUSAP1,RCC2,CDCA5,CENPS
5_Member	GO:0098813	nuclear chromosome segregation	-8.546999574	-5.266	ECT2,FANCD2,FEN1,RAD21,CCNE2,KIF14,ZWINT,NUSAP1,RCC2,CDCA5,CENPS
5_Member	GO:0051301	cell division	-7.725012951	-4.609	CENPA,ECT2,RAD21,CCNE2,KNTC1,KIF14,ZWINT,CKAP2,GPSM2,NUSAP1,RCC2,CDCA5,E2F7,CENPS

5_Member	GO:0000280	nuclear division	-6.638810739	-3.719	CALR,FANCD2,RAD21,RAD51,CCNE2,KNTC1,KIF14,ZWINT,NUSAP1,CDCA5,CENPS
5_Member	GO:0048285	organelle fission	-6.177892681	-3.363	CALR,FANCD2,RAD21,RAD51,CCNE2,KNTC1,KIF14,ZWINT,NUSAP1,CDCA5,CENPS
5_Member	GO:0051983	regulation of chromosome segregation	-4.463095235	-1.923	ECT2,FEN1,RAD21,RCC2,CDCA5
5_Member	GO:0007063	regulation of sister chromatid cohesion	-4.241066784	-1.798	FEN1,RAD21,CDCA5
5_Member	GO:0000819	sister chromatid segregation	-4.185685373	-1.757	FEN1,RAD21,KIF14,ZWINT,NUSAP1,CDCA5
5_Member	GO:0051984	positive regulation of chromosome segregation	-3.703592366	-1.433	FEN1,RAD21,RCC2
5_Member	GO:0034502	protein localization to chromosome	-3.692297852	-1.425	CENPA,RAD21,RCC2,CDCA5
5_Member	R-HSA-69242	S Phase	-3.612711674	-1.366	FEN1,POLE2,RAD21,CCNE2,CDCA5
5_Member	GO:0033044	regulation of chromosome organization	-3.610232571	-1.366	BRCA1,FEN1,H3-3A,MUC1,RAD21,ATAD2,CDCA5
5_Member	GO:0000070	mitotic sister chromatid segregation	-3.588071923	-1.349	RAD21,KIF14,ZWINT,NUSAP1,CDCA5
5_Member	GO:0140014	mitotic nuclear division	-3.374442076	-1.207	RAD21,KNTC1,KIF14,ZWINT,NUSAP1,CDCA5
5_Member	GO:0051783	regulation of nuclear division	-3.295199676	-1.158	CALR,RAD21,KNTC1,NUSAP1,CDCA5
5_Member	GO:0030261	chromosome condensation	-3.245641934	-1.127	H3-3A,NUSAP1,CDCA5
5_Member	GO:0007062	sister chromatid cohesion	-2.873859011	-0.846	FEN1,RAD21,CDCA5
5_Member	GO:2001251	negative regulation of chromosome organization	-2.767146414	-0.755	BRCA1,H3-3A,RAD21,ATAD2
5_Member	GO:0007088	regulation of mitotic nuclear division	-2.595600532	-0.626	RAD21,KNTC1,NUSAP1,CDCA5
5_Member	GO:0033045	regulation of sister chromatid segregation	-2.516278118	-0.559	FEN1,RAD21,CDCA5

5_Member	GO:2001252	positive regulation of chromosome organization	-2.442909319	-0.493	BRCA1,FEN1,MUC1,RAD21
5_Member	GO:0010638	positive regulation of organelle organization	-2.185370278	-0.292	BRCA1,FEN1,MUC1,RAD21,GPSM2,NUSAP1,CDCA5
6_Summary	GO:0006260	DNA replication	-8.546999574	-5.266	BRCA1,FEN1,POLE2,RAD51,RRM2,CCNE2,PCLAF,POLQ,MCM10,E2F7,CENPS,CDKN2D,MUC1,KIF14,IQGAP3,H3-3A,H3C2,H4C3,NELL2
6_Member	GO:0006260	DNA replication	-8.546999574	-5.266	BRCA1,FEN1,POLE2,RAD51,RRM2,CCNE2,PCLAF,POLQ,MCM10,E2F7,CENPS
6_Member	GO:0006261	DNA-dependent DNA replication	-7.211073191	-4.144	FEN1,POLE2,RAD51,CCNE2,POLQ,MCM10,E2F7,CENPS
6_Member	GO:0000082	G1/S transition of mitotic cell cycle	-6.18272917	-3.363	CDKN2D,MUC1,POLE2,RRM2,CCNE2,KIF14,MCM10,IQGAP3,E2F7
6_Member	GO:0044843	cell cycle G1/S phase transition	-5.905292853	-3.115	CDKN2D,MUC1,POLE2,RRM2,CCNE2,KIF14,MCM10,IQGAP3,E2F7
6_Member	GO:0032200	telomere organization	-5.623972377	-2.880	FEN1,H3-3A,POLE2,RAD51,H3C2,H4C3,CCNE2
6_Member	GO:0044786	cell cycle DNA replication	-4.099513876	-1.703	FEN1,POLE2,RAD51,E2F7
6_Member	R-HSA-453279	Mitotic G1 phase and G1/S transition	-3.781540517	-1.487	CDKN2D,POLE2,RRM2,CCNE2,MCM10
6_Member	GO:0000723	telomere maintenance	-3.625158192	-1.372	FEN1,POLE2,RAD51,H4C3,CCNE2
6_Member	GO:0006270	DNA replication initiation	-3.486039818	-1.289	POLE2,CCNE2,MCM10
6_Member	R-HSA-69306	DNA Replication	-2.9995432	-0.937	FEN1,POLE2,CCNE2,MCM10
6_Member	R-HSA-69206	G1/S Transition	-2.962217094	-0.904	POLE2,RRM2,CCNE2,MCM10
6_Member	GO:0033260	nuclear DNA replication	-2.914438808	-0.875	FEN1,POLE2,RAD51
6_Member	GO:0060249	anatomical structure homeostasis	-2.385821162	-0.451	FEN1,NELL2,POLE2,RAD51,H4C3,CCNE2
6_Member	R-HSA-69239	Synthesis of DNA	-2.085294495	-0.209	FEN1,POLE2,CCNE2
7_Summary	GO:0045786	negative regulation of cell cycle	-5.713423793	-2.950	BRCA1,CALR,CDKN2D,FANCD2,MUC1,RAD21,RAD51,RRM2,KNTC1,ZWINT,PRR

					11,E2F7,CCNE2,ELOC,CHD5,POLQ,KIF14, HMGB2
7_Member	GO:0045786	negative regulation of cell cycle	-5.713423793	-2.950	BRCA1,CALR,CDKN2D,FANCD2,MUC1, RAD21,RAD51,RRM2,KNTC1,ZWINT,PRR 11,E2F7
7_Member	GO:0045930	negative regulation of mitotic cell cycle	-4.631865119	-2.043	BRCA1,CDKN2D,FANCD2,MUC1,RAD21, KNTC1,ZWINT,E2F7
7_Member	GO:0007093	mitotic cell cycle checkpoint	-4.625448252	-2.043	BRCA1,FANCD2,MUC1,KNTC1,ZWINT,E 2F7
7_Member	GO:0010948	negative regulation of cell cycle process	-4.473162154	-1.923	BRCA1,CALR,CDKN2D,MUC1,RAD21,RA D51,RRM2,E2F7
7_Member	GO:0000075	cell cycle checkpoint	-3.95692276	-1.588	BRCA1,FANCD2,MUC1,KNTC1,ZWINT,E 2F7
7_Member	M40	PID E2F PATHWAY	-3.928441321	-1.573	BRCA1,RRM2,CCNE2,E2F7
7_Member	GO:0007050	cell cycle arrest	-3.790171094	-1.487	BRCA1,CALR,CDKN2D,MUC1,PRR11,E2F 7
7_Member	GO:0071156	regulation of cell cycle arrest	-3.306554452	-1.162	BRCA1,CALR,MUC1,E2F7
7_Member	R-HSA-6796648	TP53 Regulates Transcription of DNA Repair Genes	-2.834635756	-0.811	BRCA1,FANCD2,ELOC
7_Member	GO:1901991	negative regulation of mitotic cell cycle phase transition	-2.756021097	-0.752	BRCA1,CDKN2D,MUC1,RAD21,E2F7
7_Member	GO:0043967	histone H4 acetylation	-2.741982217	-0.740	BRCA1,MUC1,CHD5
7_Member	GO:0000077	DNA damage checkpoint	-2.735317867	-0.736	BRCA1,FANCD2,MUC1,E2F7
7_Member	GO:0072401	signal transduction involved in DNA integrity checkpoint	-2.689743835	-0.701	BRCA1,MUC1,E2F7
7_Member	GO:0072422	signal transduction involved in DNA damage checkpoint	-2.689743835	-0.701	BRCA1,MUC1,E2F7
7_Member	GO:0072395	signal transduction involved in cell cycle checkpoint	-2.672843241	-0.686	BRCA1,MUC1,E2F7

Supplementary Material

7_Member	GO:0031570	DNA integrity checkpoint	-2.634119593	-0.657	BRCA1,FANCD2,MUC1,E2F7
7_Member	GO:1901988	negative regulation of cell cycle phase transition	-2.618417185	-0.645	BRCA1,CDKN2D,MUC1,RAD21,E2F7
7_Member	GO:0071158	positive regulation of cell cycle arrest	-2.561033213	-0.599	BRCA1,MUC1,E2F7
7_Member	GO:2001021	negative regulation of response to DNA damage stimulus	-2.531001199	-0.570	CDKN2D,MUC1,POLQ
7_Member	GO:2000045	regulation of G1/S transition of mitotic cell cycle	-2.417649658	-0.473	CDKN2D,MUC1,KIF14,E2F7
7_Member	GO:0044773	mitotic DNA damage checkpoint	-2.291678412	-0.372	FANCD2,MUC1,E2F7
7_Member	GO:0008630	intrinsic apoptotic signaling pathway in response to DNA damage	-2.268012632	-0.356	BRCA1,CDKN2D,MUC1
7_Member	GO:1902806	regulation of cell cycle G1/S phase transition	-2.253025047	-0.343	CDKN2D,MUC1,KIF14,E2F7
7_Member	GO:0030330	DNA damage response, signal transduction by p53 class mediator	-2.222163359	-0.320	BRCA1,MUC1,E2F7
7_Member	GO:0044774	mitotic DNA integrity checkpoint	-2.210996221	-0.317	FANCD2,MUC1,E2F7
7_Member	R-HSA-3700989	Transcriptional Regulation by TP53	-2.074364393	-0.201	BRCA1,FANCD2,ELOC,CCNE2,E2F7
7_Member	GO:2001234	negative regulation of apoptotic signaling pathway	-2.067873545	-0.197	BRCA1,CDKN2D,HMGB2,MUC1
7_Member	GO:2000134	negative regulation of G1/S transition of mitotic cell cycle	-2.027591154	-0.166	CDKN2D,MUC1,E2F7
8_Summary	R-HSA-73884	Base Excision Repair	-4.780308611	-2.142	FEN1,H2BC5,POLE2,H4C3,NEIL3,POLQ
8_Member	R-HSA-73884	Base Excision Repair	-4.780308611	-2.142	FEN1,H2BC5,POLE2,H4C3,NEIL3
8_Member	ko03410	Base excision repair	-3.703592366	-1.433	FEN1,POLE2,NEIL3

8_Member	hsa03410	Base excision repair	-3.554360836	-1.338	FEN1,POLE2,NEIL3
8_Member	GO:0006284	base-excision repair	-3.45325964	-1.262	FEN1,POLQ,NEIL3
9_Summary	GO:0000910	cytokinesis	-4.53868439	-1.963	CENPA,ECT2,KIF14,CKAP2,NUSAP1,E2F7,GPSM2,CHRNA5,MLPH,BICDL1,CDCA5,BRCA1,PCLAF
9_Member	GO:0000910	cytokinesis	-4.53868439	-1.963	CENPA,ECT2,KIF14,CKAP2,NUSAP1,E2F7
9_Member	GO:0000281	mitotic cytokinesis	-3.928441321	-1.573	CENPA,ECT2,CKAP2,NUSAP1
9_Member	GO:0040001	establishment of mitotic spindle localization	-3.626714947	-1.372	CENPA,GPSM2,NUSAP1
9_Member	GO:0061640	cytoskeleton-dependent cytokinesis	-3.402483044	-1.229	CENPA,ECT2,CKAP2,NUSAP1
9_Member	GO:0051293	establishment of spindle localization	-3.301422322	-1.162	CENPA,GPSM2,NUSAP1
9_Member	GO:0051656	establishment of organelle localization	-3.257284352	-1.129	CENPA,CHRNA5,KIF14,GPSM2,NUSAP1,MLPH,BICDL1,CDCA5
9_Member	GO:0051653	spindle localization	-3.166532908	-1.068	CENPA,GPSM2,NUSAP1
9_Member	GO:0051640	organelle localization	-2.410294316	-0.467	CENPA,CHRNA5,KIF14,GPSM2,NUSAP1,MLPH,BICDL1,CDCA5
9_Member	GO:0000226	microtubule cytoskeleton organization	-2.288606114	-0.370	BRCA1,CENPA,PCLAF,KIF14,CKAP2,GPSM2,NUSAP1
10_Summary	GO:0140013	meiotic nuclear division	-4.468886212	-1.923	CALR,FANCD2,RAD21,RAD51,CCNE2,CENPS,BRCA1,RAD51AP1,CDKN2D
10_Member	GO:0140013	meiotic nuclear division	-4.468886212	-1.923	CALR,FANCD2,RAD21,RAD51,CCNE2,CENPS
10_Member	ko03460	Fanconi anemia pathway	-4.443589412	-1.917	BRCA1,FANCD2,RAD51,CENPS
10_Member	GO:0007131	reciprocal meiotic recombination	-4.41193569	-1.905	FANCD2,RAD21,RAD51,CENPS
10_Member	GO:0036297	interstrand cross-link repair	-4.41193569	-1.905	FANCD2,RAD51,RAD51AP1,CENPS
10_Member	GO:0035825	homologous recombination	-4.380889702	-1.892	FANCD2,RAD21,RAD51,CENPS
10_Member	GO:1903046	meiotic cell cycle process	-4.259345882	-1.805	CALR,FANCD2,RAD21,RAD51,CCNE2,CENPS
10_Member	GO:0007127	meiosis I	-4.242137434	-1.798	FANCD2,RAD21,RAD51,CCNE2,CENPS

10_Member	hsa03460	Fanconi anemia pathway	-4.178864891	-1.757	BRCA1,FANCD2,RAD51,CENPS
10_Member	GO:0061982	meiosis I cell cycle process	-4.157111921	-1.740	FANCD2,RAD21,RAD51,CCNE2,CENPS
10_Member	GO:0070192	chromosome organization involved in meiotic cell cycle	-3.999510787	-1.626	FANCD2,RAD21,RAD51,CCNE2
10_Member	M258	PID BARD1 PATHWAY	-3.873380605	-1.548	BRCA1,FANCD2,RAD51
10_Member	GO:0051321	meiotic cell cycle	-3.608077733	-1.366	CALR,FANCD2,RAD21,RAD51,CCNE2,CENPS
10_Member	GO:0045132	meiotic chromosome segregation	-3.522618656	-1.313	FANCD2,RAD21,CCNE2,CENPS
10_Member	M1	PID FANCONI PATHWAY	-3.245641934	-1.127	BRCA1,FANCD2,CENPS
10_Member	GO:0007129	synapsis	-3.192328512	-1.089	FANCD2,RAD21,CCNE2
10_Member	GO:0045143	homologous chromosome segregation	-2.893973798	-0.859	FANCD2,RAD21,CCNE2
10_Member	ko04110	Cell cycle	-2.046477866	-0.180	CDKN2D,RAD21,CCNE2
11_Summary	GO:0032392	DNA geometric change	-4.295035952	-1.826	HMGB2,HMGB3,RAD51,POLQ,CHD5,H3-3A,STRBP
11_Member	GO:0032392	DNA geometric change	-4.295035952	-1.826	HMGB2,HMGB3,RAD51,POLQ,CHD5
11_Member	GO:0007286	spermatid development	-2.643917732	-0.663	H3-3A,HMGB2,CHD5,STRBP
11_Member	GO:0048515	spermatid differentiation	-2.586135012	-0.618	H3-3A,HMGB2,CHD5,STRBP
11_Member	GO:0032508	DNA duplex unwinding	-2.210996221	-0.317	RAD51,POLQ,CHD5
12_Summary	GO:0006813	potassium ion transport	-3.721202401	-1.439	ATP1A4,KCNG1,KCNJ11,KCNK1,FXYP3, KCNG3,CHRNA5,CNTNAP2,SLC7A8,SLC39A6,EDN2,ECT2,RAD51
12_Member	GO:0006813	potassium ion transport	-3.721202401	-1.439	ATP1A4,KCNG1,KCNJ11,KCNK1,FXYP3, KCNG3
12_Member	R-HSA-1296071	Potassium Channels	-3.353759797	-1.195	KCNG1,KCNJ11,KCNK1,KCNG3
12_Member	GO:0035094	response to nicotine	-3.301422322	-1.162	CHRNA5,KCNJ11,KCNK1
12_Member	GO:0035637	multicellular organismal signaling	-3.127038108	-1.031	ATP1A4,KCNJ11,KCNK1,FXYP3,CNTNAP2
12_Member	GO:0071804	cellular potassium ion transport	-3.02635301	-0.957	ATP1A4,KCNG1,KCNJ11,KCNK1,KCNG3

12_Member	GO:0071805	potassium ion transmembrane transport	-3.02635301	-0.957	ATP1A4,KCNG1,KCNJ11,KCNK1,KCNG3
12_Member	R-HSA-5578775	Ion homeostasis	-3.022451736	-0.957	ATP1A4,KCNJ11,FXYD3
12_Member	R-HSA-5576891	Cardiac conduction	-2.867124108	-0.841	ATP1A4,KCNJ11,KCNK1,FXYD3
12_Member	GO:0098739	import across plasma membrane	-2.788767921	-0.771	ATP1A4,KCNJ11,SLC7A8,SLC39A6
12_Member	GO:0061337	cardiac conduction	-2.756457498	-0.752	ATP1A4,KCNJ11,KCNK1,FXYD3
12_Member	GO:0008016	regulation of heart contraction	-2.711290164	-0.717	ATP1A4,EDN2,KCNJ11,KCNK1,FXYD3
12_Member	GO:1903779	regulation of cardiac conduction	-2.689743835	-0.701	ATP1A4,KCNJ11,FXYD3
12_Member	GO:0060047	heart contraction	-2.517567292	-0.559	ATP1A4,EDN2,KCNJ11,KCNK1,FXYD3
12_Member	GO:0003015	heart process	-2.453757893	-0.502	ATP1A4,EDN2,KCNJ11,KCNK1,FXYD3
12_Member	GO:0098659	inorganic cation import across plasma membrane	-2.404941352	-0.465	ATP1A4,KCNJ11,SLC39A6
12_Member	GO:0099587	inorganic ion import across plasma membrane	-2.404941352	-0.465	ATP1A4,KCNJ11,SLC39A6
12_Member	GO:1903522	regulation of blood circulation	-2.398491888	-0.462	ATP1A4,EDN2,KCNJ11,KCNK1,FXYD3
12_Member	R-HSA-397014	Muscle contraction	-2.245673849	-0.337	ATP1A4,KCNJ11,KCNK1,FXYD3
12_Member	GO:0009636	response to toxic substance	-2.03094133	-0.167	CHRNA5,ECT2,KCNJ11,KCNK1,RAD51,SLC7A8
13_Summary	ko04960	Aldosterone-regulated sodium reabsorption	-3.554360836	-1.338	ATP1A4,HSD11B2,PIK3R2
13_Member	ko04960	Aldosterone-regulated sodium reabsorption	-3.554360836	-1.338	ATP1A4,HSD11B2,PIK3R2
13_Member	hsa04960	Aldosterone-regulated sodium reabsorption	-3.486039818	-1.289	ATP1A4,HSD11B2,PIK3R2
14_Summary	GO:0033574	response to testosterone	-3.421337316	-1.239	CALR,KCNJ11,PSPH,GJB2,H3-3A,HSD11B2,BRCA1,HMGB2
14_Member	GO:0033574	response to testosterone	-3.421337316	-1.239	CALR,KCNJ11,PSPH
14_Member	GO:0007565	female pregnancy	-2.328885459	-0.400	CALR,GJB2,H3-3A,HSD11B2
14_Member	GO:1901654	response to ketone	-2.298016871	-0.377	CALR,GJB2,KCNJ11,PSPH
14_Member	GO:0048545	response to steroid hormone	-2.154052456	-0.266	BRCA1,CALR,GJB2,HMGB2,HSD11B2

14_Member	GO:0044706	multi-multicellular organism process	-2.113369608	-0.232	CALR,GJB2,H3-3A,HSD11B2
15_Summary	GO:1903827	regulation of cellular protein localization	-3.22079678	-1.106	ECT2,GPC4,KCNJ11,PIK3R2,CCNE2,LYPLA1,GPSM2,CDCA5,PACSIN1
15_Member	GO:1903827	regulation of cellular protein localization	-3.22079678	-1.106	ECT2,GPC4,KCNJ11,PIK3R2,CCNE2,LYPLA1,GPSM2,CDCA5
15_Member	GO:1904375	regulation of protein localization to cell periphery	-3.063947212	-0.983	GPC4,KCNJ11,LYPLA1,GPSM2
15_Member	GO:1990778	protein localization to cell periphery	-2.227561106	-0.322	GPC4,KCNJ11,LYPLA1,GPSM2,PACSIN1
16_Summary	GO:0000731	DNA synthesis involved in DNA repair	-3.092319533	-1.006	CDKN2D,POLE2,PCLAF,BRCA1,POLQ
16_Member	GO:0000731	DNA synthesis involved in DNA repair	-3.092319533	-1.006	CDKN2D,POLE2,PCLAF
16_Member	GO:0006301	postreplication repair	-3.092319533	-1.006	BRCA1,POLE2,PCLAF
16_Member	GO:0071897	DNA biosynthetic process	-2.298016871	-0.377	CDKN2D,POLE2,PCLAF,POLQ
17_Summary	GO:0051259	protein complex oligomerization	-2.914578662	-0.875	ECT2,KCNG1,RRM2,POLQ,KCNG3
17_Member	GO:0051259	protein complex oligomerization	-2.914578662	-0.875	ECT2,KCNG1,RRM2,POLQ,KCNG3
17_Member	GO:0051260	protein homooligomerization	-2.47733683	-0.524	ECT2,KCNG1,POLQ,KCNG3
18_Summary	GO:0016266	O-glycan processing	-2.914438808	-0.875	MUC1,ST3GAL4,GALNT6,PLA2G10,LYPLA1
18_Member	GO:0016266	O-glycan processing	-2.914438808	-0.875	MUC1,ST3GAL4,GALNT6
18_Member	R-HSA-913709	O-linked glycosylation of mucins	-2.873859011	-0.846	MUC1,ST3GAL4,GALNT6
18_Member	hsa00564	Glycerophospholipid metabolism	-2.268012632	-0.356	MUC1,PLA2G10,LYPLA1
18_Member	GO:0006493	protein O-linked glycosylation	-2.210996221	-0.317	MUC1,ST3GAL4,GALNT6
18_Member	R-HSA-5173105	O-linked glycosylation	-2.178168436	-0.287	MUC1,ST3GAL4,GALNT6

19_Summary	GO:0006820	anion transport	-2.722658148	-0.727	CA12,FXYP3,PLA2G10,SLC16A6,SLC7A8,CLIC6,SFXN1,GPR89A,KCNG1,KCNJ11,KCNG3
19_Member	GO:0006820	anion transport	-2.722658148	-0.727	CA12,FXYP3,PLA2G10,SLC16A6,SLC7A8,CLIC6,SFXN1,GPR89A
19_Member	GO:0034765	regulation of ion transmembrane transport	-2.166962393	-0.277	KCNG1,KCNJ11,FXYP3,CLIC6,KCNG3,GPR89A
20_Summary	GO:0032465	regulation of cytokinesis	-2.431757921	-0.483	ECT2,KIF14,E2F7,PIK3R2,GPSM2,DEPDC1B,IQAP3
20_Member	GO:0032465	regulation of cytokinesis	-2.431757921	-0.483	ECT2,KIF14,E2F7
20_Member	GO:0007264	small GTPase mediated signal transduction	-2.081560782	-0.207	ECT2,PIK3R2,KIF14,GPSM2,DEPDC1B,IQAP3