

**Supplemental Table 4. Differentially expressed genes between RG and NRG**

Symbols	p-value	q-value	Regulation (RG/NRG)	Fold change (RG/NRG)
<i>TMEM88B</i>	3.40E-06	0.00238	up	2.09
<i>ABL1</i>	0.000161	0.0141	up	0.597
<i>SLC1A3</i>	0.000112	0.0141	up	1.32
<i>NLGN2</i>	5.86E-05	0.0141	up	1.35
<i>TMEM144</i>	0.000153	0.0141	up	1.65
<i>PLLP</i>	0.000112	0.0141	up	1.68
<i>PADI2</i>	7.11E-05	0.0141	up	1.89
<i>PLXNB3</i>	0.000155	0.0141	up	1.89
<i>TUBB4A</i>	0.000203	0.0158	up	2.13
<i>FSCN1</i>	0.000354	0.0214	up	1.1
<i>DST</i>	0.000367	0.0214	up	1.19
<i>PMP22</i>	0.000336	0.0214	up	1.23
<i>GRM3</i>	0.000436	0.0234	up	1.73
<i>DLG4</i>	0.000502	0.0237	up	1.14
<i>SNCA</i>	0.000508	0.0237	up	1.47
<i>CCR2</i>	0.000676	0.0275	down	-2.14
<i>RHOA</i>	0.000869	0.0275	up	0.461
<i>DOCK1</i>	0.000689	0.0275	up	0.943
<i>PLEKHB1</i>	0.000899	0.0275	up	1.3
<i>CX3CL1</i>	0.000726	0.0275	up	1.5
<i>GJB1</i>	0.000846	0.0275	up	1.78
<i>MAPT</i>	0.000905	0.0275	up	2.07
<i>GPR62</i>	0.000806	0.0275	up	2.2
<i>DICER1</i>	0.00124	0.0281	up	0.384
<i>CTSF</i>	0.00122	0.0281	up	1.16
<i>ERBB3</i>	0.00117	0.0281	up	1.33
<i>BOK</i>	0.00101	0.0281	up	1.35
<i>MAG</i>	0.00125	0.0281	up	1.71
<i>TMC7</i>	0.0011	0.0281	up	1.96
<i>PLP1</i>	0.00122	0.0281	up	2.05
<i>SYP</i>	0.00117	0.0281	up	2.12
<i>MOG</i>	0.00129	0.0283	up	2.18
<i>F3</i>	0.00139	0.0295	up	1.01
<i>GSN</i>	0.0015	0.0309	up	0.883
<i>S100B</i>	0.00158	0.031	up	1.59
<i>MAL</i>	0.0016	0.031	up	1.85
<i>MYRF</i>	0.00183	0.0344	up	1.78
<i>MOBP</i>	0.00187	0.0344	up	2.36
<i>GJA1</i>	0.00204	0.0346	up	1.07
<i>CDKN1C</i>	0.00202	0.0346	up	1.5
<i>SOX10</i>	0.00196	0.0346	up	1.9
<i>AGT</i>	0.00208	0.0346	up	1.9
<i>SLC6A1</i>	0.0023	0.0373	up	1.53
<i>BCAS1</i>	0.00235	0.0373	up	1.62
<i>EMP1</i>	0.00255	0.0396	up	0.898
<i>CNP</i>	0.00296	0.045	up	0.648
<i>S100A10</i>	0.00311	0.0462	up	0.6
<i>TREM2</i>	0.00333	0.0485	up	1.68
<i>CLSTN1</i>	0.00359	0.0513	up	0.508

<i>RAB6B</i>	0.00367	0.0513	up	1.76
<i>LINGO1</i>	0.0038	0.052	up	1.3
<i>SYN2</i>	0.00388	0.0521	up	2.32
<i>S1PR5</i>	0.00396	0.0522	up	1.63
<i>KCNJ10</i>	0.00453	0.0586	up	1.34
<i>ITGA7</i>	0.00481	0.0611	up	1.06
<i>SETD2</i>	0.00507	0.0633	up	0.291
<i>NGFR</i>	0.00517	0.0634	up	1.4
<i>SALL1</i>	0.00537	0.0648	up	1.37
<i>BCL2L2</i>	0.00565	0.0669	up	0.473
<i>P2RX7</i>	0.00583	0.0679	up	0.734
<i>MYORG</i>	0.00592	0.0679	up	0.936
<i>LFNG</i>	0.00624	0.0704	up	0.918
<i>CYP7B1</i>	0.00639	0.0709	up	0.896
<i>ITGAV</i>	0.00659	0.0719	up	0.79
<i>DLG1</i>	0.00682	0.0734	up	0.29
<i>APOE</i>	0.00787	0.0822	up	0.718
<i>RAPGEF3</i>	0.00788	0.0822	up	0.935
<i>ATG5</i>	0.0083	0.0831	down	-0.688
<i>TMCC3</i>	0.00838	0.0831	up	0.861
<i>C4A</i>	0.00837	0.0831	up	0.928
<i>SHANK3</i>	0.00844	0.0831	up	0.976
<i>TRIM47</i>	0.00903	0.0877	up	0.582
<i>CYP27A1</i>	0.00991	0.0949	up	0.901
<i>LAMP2</i>	0.0104	0.0981	up	0.497
<i>OPALIN</i>	0.0105	0.0981	up	2
<i>KDM4D</i>	0.0107	0.0984	up	0.716
<i>TNFSF12</i>	0.0109	0.0987	up	0.701
<i>SOD2</i>	0.0112	0.0988	up	0.454
<i>GAL3ST1</i>	0.0111	0.0988	up	1.59
<i>TGFA</i>	0.0115	0.101	up	1.21
<i>HSPB1</i>	0.0134	0.115	up	0.707
<i>BIN1</i>	0.0135	0.115	up	0.793
<i>AK1</i>	0.0146	0.123	up	0.775
<i>LAMP1</i>	0.0164	0.133	up	0.358
<i>LACC1</i>	0.0163	0.133	up	0.64
<i>NLGN1</i>	0.0161	0.133	up	1.28
<i>GRIN2B</i>	0.0169	0.136	up	1.47
<i>FOXP3</i>	0.0176	0.14	up	0.948
<i>IFITM3</i>	0.0185	0.145	up	0.578
<i>CD74</i>	0.0188	0.146	up	0.389
<i>LST1</i>	0.0195	0.149	up	0.56
<i>PLD1</i>	0.0199	0.149	up	0.637
<i>TIE1</i>	0.0197	0.149	up	1.39
<i>IL1R1</i>	0.0211	0.155	up	0.791
<i>GRIA2</i>	0.0208	0.155	up	1.79
<i>PRKAR2B</i>	0.0216	0.157	down	-1.39
<i>SLC2A1</i>	0.0218	0.157	up	0.464
<i>PLXDC2</i>	0.0229	0.163	up	0.759
<i>IRF2</i>	0.0251	0.169	down	-0.57
<i>RAC2</i>	0.0249	0.169	down	-0.409
<i>KDM4A</i>	0.0247	0.169	up	0.283
<i>GNA15</i>	0.0248	0.169	up	0.585

JAM2	0.0251	0.169	up	0.755
ST3GAL6	0.0246	0.169	up	0.986
ALDH1L1	0.0254	0.169	up	1.78
PACSN1	0.0263	0.173	up	1.63
PIK3CB	0.0271	0.176	up	0.252
MRE11	0.0276	0.176	up	0.268
CASP4	0.0274	0.176	up	0.335
DDX58	0.0276	0.176	up	0.512
TGFBR1	0.0287	0.179	up	0.484
PINK1	0.0285	0.179	up	0.586
PRKACB	0.0303	0.184	up	0.594
MGMT	0.03	0.184	up	0.906
RSAD2	0.0299	0.184	up	0.993
BNIP3L	0.0311	0.186	up	0.312
CD84	0.0311	0.186	up	0.631
PTGER4	0.0319	0.186	up	0.656
ISLR2	0.0314	0.186	up	0.857
ENPP6	0.0317	0.186	up	1.18
UGT8	0.0327	0.187	up	0.565
GBP2	0.0327	0.187	up	0.757
NCOR1	0.0338	0.192	down	-0.242
SERPINA3	0.0361	0.203	up	0.875
MAFF	0.0383	0.213	up	0.588
CSF1	0.0384	0.213	up	0.592
TPD52	0.0401	0.218	down	-0.469
PIK3R1	0.0398	0.218	up	0.336
TNFRSF1A	0.0401	0.218	up	0.459
ATG7	0.0409	0.22	up	0.189
PDPN	0.0417	0.223	up	0.79
NRGN	0.042	0.223	up	0.977
RAC1	0.0439	0.229	up	0.239
RALA	0.0439	0.229	up	0.303
TNFRSF25	0.0442	0.229	up	0.959
MAPK10	0.0445	0.229	up	1.11
XCL1	0.046	0.233	down	-1.18
BAG3	0.046	0.233	up	0.439
MMP14	0.0468	0.235	up	0.493
CD300LF	0.05	0.25	up	0.503
RELA	0.0508	0.252	up	0.255
AGO4	0.0518	0.255	up	0.423
CD3D	0.0523	0.256	up	0.857
CSF2RB	0.0546	0.263	down	-0.611
AXL	0.0546	0.263	up	0.851
NRP2	0.0584	0.277	up	0.46
OSGIN1	0.0586	0.277	up	0.467
TRAF1	0.0581	0.277	up	0.665
SETDB1	0.0598	0.278	down	-0.242
SRGN	0.0605	0.278	up	0.293
DAB2	0.0603	0.278	up	0.462
C3	0.0596	0.278	up	0.98
HPRT1	0.0619	0.283	up	0.332
E2F1	0.0638	0.287	down	-0.369
NFKB2	0.064	0.287	down	-0.344

SOX9	0.0638	0.287	up	0.892
ATG14	0.067	0.291	up	0.259
HDAC4	0.0658	0.291	up	0.541
PILRA	0.0671	0.291	up	0.548
TNFRSF12A	0.0654	0.291	up	0.71
IL1R2	0.0663	0.291	up	1.25
GPR84	0.0688	0.295	up	0.608
GRM2	0.0687	0.295	up	0.686
IRAK3	0.0704	0.296	down	-0.767
APC	0.0697	0.296	up	0.366
SIGLEC8	0.0707	0.296	up	0.835
OLFML3	0.0705	0.296	up	0.909
ZBP1	0.0734	0.304	down	-1.03
BLNK	0.0735	0.304	down	-0.342
SLCO2B1	0.0759	0.312	up	0.522
COA5	0.077	0.315	up	0.227
S1PR3	0.08	0.323	up	0.498
SPHK1	0.0796	0.323	up	0.621
CH25H	0.082	0.329	up	0.902
CD14	0.0842	0.336	up	0.523
GRIN2A	0.085	0.337	up	1.1
CKS1B	0.0875	0.343	down	-0.316
PRDX1	0.0874	0.343	up	0.28
GDPD2	0.0886	0.346	up	0.883
CD68	0.0892	0.347	up	0.348
ITGA6	0.0897	0.347	up	0.42
OSMR	0.0932	0.358	up	0.351
LMNA	0.0939	0.359	up	0.386
TLR2	0.0956	0.362	up	0.387
OGG1	0.0958	0.362	up	0.423
HDAC2	0.0979	0.368	down	-0.291
MYD88	0.0984	0.368	up	0.223
RRM2	0.101	0.373	down	-0.459
CASP8	0.101	0.373	down	-0.317
TGFB1	0.101	0.373	up	0.262
TIMELESS	0.103	0.378	down	-0.264
NPL	0.105	0.382	up	0.397
DUSP7	0.108	0.392	up	0.288
CSF1R	0.11	0.396	up	0.45
IQSEC1	0.111	0.397	up	0.45
TNFSF13B	0.114	0.408	up	0.472
SESN2	0.115	0.409	up	0.271
CD24	0.121	0.418	down	-1.19
RIPK1	0.12	0.418	down	-0.2
NOD1	0.121	0.418	up	0.231
MS4A1	0.12	0.418	up	0.38
MERTK	0.121	0.418	up	0.445
HPGDS	0.12	0.418	up	1
MPG	0.123	0.421	up	0.226
TMEM119	0.123	0.421	up	0.926
PLCG2	0.125	0.425	down	-0.195
WAS	0.128	0.433	down	-0.357
GSTM1	0.133	0.444	down	-2.82

<i>KLRB1</i>	0.138	0.444	down	-0.877
<i>BCL2L11</i>	0.137	0.444	down	-0.652
<i>IRF4</i>	0.137	0.444	down	-0.458
<i>PTPRC</i>	0.134	0.444	down	-0.266
<i>NFE2L2</i>	0.136	0.444	up	0.151
<i>BAG4</i>	0.138	0.444	up	0.151
<i>ATP6V1A</i>	0.135	0.444	up	0.236
<i>BTK</i>	0.135	0.444	up	0.261
<i>MVP</i>	0.139	0.444	up	0.283
<i>DAPK1</i>	0.136	0.444	up	0.393
<i>LDLRAD3</i>	0.139	0.444	up	0.689
<i>JARID2</i>	0.142	0.452	up	0.421
<i>PRKDC</i>	0.146	0.463	up	0.2
<i>KAT2B</i>	0.151	0.47	up	0.232
<i>JAG1</i>	0.151	0.47	up	0.416
<i>KIT</i>	0.15	0.47	up	0.602
<i>TMEM100</i>	0.153	0.475	down	-1.07
<i>ANXA1</i>	0.157	0.484	down	-0.614
<i>LYN</i>	0.157	0.484	down	-0.253
<i>IFI30</i>	0.158	0.485	up	0.319
<i>SERPING1</i>	0.16	0.489	up	0.407
<i>CD19</i>	0.164	0.498	up	0.484
<i>ABCC8</i>	0.169	0.512	up	0.46
<i>TRAF6</i>	0.171	0.516	up	0.122
<i>MAP1LC3A</i>	0.172	0.517	up	0.494
<i>BRD4</i>	0.173	0.518	up	0.115
<i>KDM5D</i>	0.18	0.524	down	-2.25
<i>CCL3</i>	0.186	0.524	down	-0.544
<i>NRM</i>	0.187	0.524	down	-0.271
<i>POLE</i>	0.18	0.524	down	-0.241
<i>MCM5</i>	0.188	0.524	down	-0.233
<i>NCAPH</i>	0.19	0.524	down	-0.217
<i>SMARCD1</i>	0.19	0.524	down	-0.199
<i>DNMT1</i>	0.178	0.524	down	-0.191
<i>PPP3CB</i>	0.19	0.524	down	-0.126
<i>BIRC2</i>	0.177	0.524	up	0.155
<i>KMT2A</i>	0.184	0.524	up	0.185
<i>IRF3</i>	0.18	0.524	up	0.275
<i>GRN</i>	0.178	0.524	up	0.299
<i>KCND1</i>	0.189	0.524	up	0.332
<i>SRXN1</i>	0.183	0.524	up	0.337
<i>CLIC4</i>	0.182	0.524	up	0.344
<i>BLK</i>	0.189	0.524	up	0.549
<i>FCGR1A</i>	0.189	0.524	up	0.628
<i>TP73</i>	0.185	0.524	up	1.04
<i>GZMB</i>	0.182	0.524	up	1.13
<i>ITGAM</i>	0.192	0.525	up	0.355
<i>TCL1A</i>	0.192	0.525	up	0.608
<i>CSF3R</i>	0.193	0.526	up	0.341
<i>OAS1</i>	0.195	0.528	down	-0.411
<i>FGD2</i>	0.197	0.531	down	-0.346
<i>KDM4B</i>	0.202	0.539	up	0.189
<i>CALCOCO2</i>	0.202	0.539	up	0.25

<i>KDM5C</i>	0.201	0.539	up	0.256
<i>SETD7</i>	0.205	0.545	down	-0.197
<i>KDM3B</i>	0.207	0.546	down	-0.13
<i>CCL5</i>	0.207	0.546	up	0.448
<i>FLT1</i>	0.209	0.548	up	0.287
<i>SERPINF1</i>	0.209	0.548	up	0.412
<i>JUN</i>	0.212	0.554	up	0.309
<i>RGL1</i>	0.215	0.558	up	0.337
<i>CHEK2</i>	0.219	0.561	down	-0.344
<i>BIRC5</i>	0.222	0.561	down	-0.254
<i>PPP3R1</i>	0.221	0.561	up	0.126
<i>VIM</i>	0.222	0.561	up	0.183
<i>PPP3CA</i>	0.22	0.561	up	0.236
<i>IL1RAP</i>	0.221	0.561	up	0.36
<i>FPR1</i>	0.222	0.561	up	0.396
<i>NPNT</i>	0.217	0.561	up	0.559
<i>TYROBP</i>	0.226	0.567	up	0.311
<i>MSR1</i>	0.226	0.567	up	0.609
<i>PRKCQ</i>	0.228	0.569	up	0.582
<i>CLDN5</i>	0.232	0.577	up	0.587
<i>KLRD1</i>	0.234	0.578	down	-0.63
<i>EHMT2</i>	0.236	0.578	up	0.181
<i>SLAMF8</i>	0.235	0.578	up	0.276
<i>CD83</i>	0.234	0.578	up	0.515
<i>LSR</i>	0.237	0.579	down	-0.623
<i>ESAM</i>	0.238	0.579	up	0.222
<i>CX3CR1</i>	0.239	0.581	up	0.587
<i>ZNF367</i>	0.243	0.585	down	-0.245
<i>LTBR</i>	0.242	0.585	up	0.305
<i>SPP1</i>	0.246	0.59	up	0.543
<i>SESN1</i>	0.247	0.591	up	0.4
<i>HILPDA</i>	0.248	0.591	up	0.601
<i>SOX4</i>	0.25	0.595	down	-0.552
<i>CD6</i>	0.251	0.596	up	0.585
<i>CD3G</i>	0.253	0.598	up	0.604
<i>FABP5</i>	0.256	0.599	up	0.219
<i>TGM2</i>	0.255	0.599	up	0.265
<i>NCF1</i>	0.256	0.599	up	0.277
<i>IGSF6</i>	0.257	0.599	up	0.465
<i>MR1</i>	0.259	0.6	up	0.23
<i>KMT2C</i>	0.26	0.603	up	0.134
<i>PARP1</i>	0.262	0.604	up	0.204
<i>IGSF10</i>	0.263	0.604	up	1.67
<i>EED</i>	0.267	0.61	up	0.121
<i>TNFRSF11B</i>	0.267	0.61	up	0.442
<i>NFKB1</i>	0.269	0.613	down	-0.164
<i>VPS4A</i>	0.273	0.62	up	0.133
<i>ANAPC15</i>	0.275	0.62	up	0.193
<i>CD86</i>	0.274	0.62	up	0.336
<i>BOLA2</i>	0.283	0.624	down	-0.22
<i>MB21D1</i>	0.283	0.624	down	-0.2
<i>HIRA</i>	0.278	0.624	down	-0.105
<i>PMS2</i>	0.281	0.624	up	0.155

<i>FCER1G</i>	0.28	0.624	up	0.3
<i>CASS4</i>	0.286	0.624	up	0.313
<i>TM4SF1</i>	0.285	0.624	up	0.428
<i>PTX3</i>	0.284	0.624	up	0.437
<i>TRAT1</i>	0.282	0.624	up	0.569
<i>RELN</i>	0.284	0.624	up	0.749
<i>PNOC</i>	0.29	0.626	down	-0.465
<i>TMEM64</i>	0.29	0.626	down	-0.213
<i>BRD3</i>	0.289	0.626	up	0.201
<i>KDM6A</i>	0.292	0.626	up	0.252
<i>SLFN11</i>	0.289	0.626	up	0.344
<i>ITGB5</i>	0.291	0.626	up	0.369
<i>ERCC2</i>	0.294	0.627	up	0.112
<i>NLRP3</i>	0.295	0.629	up	0.398
<i>RAB7A</i>	0.297	0.63	up	0.159
<i>STAT1</i>	0.297	0.63	up	0.285
<i>CASP1</i>	0.299	0.631	up	0.289
<i>IFNAR2</i>	0.304	0.638	up	0.188
<i>CD3E</i>	0.304	0.638	up	0.475
<i>DNA2</i>	0.305	0.639	down	-0.156
<i>PIK3R2</i>	0.308	0.642	up	0.191
<i>CD33</i>	0.312	0.65	up	0.443
<i>EGFR</i>	0.314	0.651	up	0.208
<i>CXCL10</i>	0.323	0.653	down	-0.432
<i>PTTG1</i>	0.32	0.653	down	-0.248
<i>PTEN</i>	0.317	0.653	down	-0.133
<i>RAD17</i>	0.321	0.653	down	-0.11
<i>AMBRA1</i>	0.322	0.653	up	0.0803
<i>MSH2</i>	0.322	0.653	up	0.15
<i>KDM3A</i>	0.316	0.653	up	0.184
<i>KAT2A</i>	0.32	0.653	up	0.196
<i>FDXR</i>	0.322	0.653	up	0.308
<i>CDC25A</i>	0.327	0.657	up	0.206
<i>IGF1R</i>	0.327	0.657	up	0.337
<i>CD47</i>	0.329	0.658	up	0.144
<i>ATR</i>	0.33	0.659	up	0.113
<i>KCNK13</i>	0.331	0.66	up	0.505
<i>FGL2</i>	0.333	0.662	up	0.384
<i>C1QC</i>	0.334	0.662	up	0.482
<i>NOSTRIN</i>	0.339	0.67	up	0.23
<i>HAT1</i>	0.347	0.682	down	-0.109
<i>MSN</i>	0.347	0.682	up	0.171
<i>SLC2A5</i>	0.35	0.685	up	0.401
<i>BAD</i>	0.353	0.686	up	0.136
<i>C1QB</i>	0.352	0.686	up	0.478
<i>ARID1A</i>	0.355	0.687	up	0.125
<i>CHN2</i>	0.356	0.687	up	0.472
<i>CD8B</i>	0.355	0.687	up	0.582
<i>C3AR1</i>	0.357	0.688	up	0.307
<i>LRG1</i>	0.364	0.693	down	-0.452
<i>LMNB1</i>	0.365	0.693	down	-0.158
<i>TARBP2</i>	0.365	0.693	up	0.167
<i>B3GNT5</i>	0.362	0.693	up	0.332

LGMN	0.364	0.693	up	0.343
KDM2B	0.367	0.695	up	0.252
HIST1H1D	0.37	0.696	down	-0.271
MYC	0.369	0.696	up	0.193
CD40	0.375	0.703	down	-0.209
VPS4B	0.375	0.703	down	-0.151
FCRLA	0.376	0.704	up	0.375
CTSS	0.379	0.705	up	0.138
HPS4	0.379	0.705	up	0.158
MDM2	0.383	0.706	down	-0.222
PCNA	0.382	0.706	down	-0.172
EZH2	0.382	0.706	down	-0.166
CIDEB	0.386	0.71	down	-0.183
TMEM204	0.393	0.72	up	0.217
IGF2R	0.394	0.721	down	-0.182
FKBP5	0.397	0.725	up	0.145
CFLAR	0.405	0.731	down	-0.208
SMARCA4	0.408	0.731	down	-0.0876
MAVS	0.406	0.731	up	0.106
TMEM173	0.407	0.731	up	0.184
LILRB4	0.408	0.731	up	0.204
LRRC3	0.409	0.731	up	0.27
COL6A3	0.401	0.731	up	0.353
CD72	0.404	0.731	up	0.392
RIPK2	0.413	0.736	up	0.0899
BCL10	0.415	0.737	down	-0.135
IFNAR1	0.418	0.737	up	0.0931
SUMO1	0.414	0.737	up	0.115
ATP6V0E1	0.416	0.737	up	0.126
TOP2A	0.421	0.738	down	-0.169
CSK	0.423	0.738	down	-0.133
IFIH1	0.421	0.738	up	0.175
MFGE8	0.422	0.738	up	0.28
GPR34	0.423	0.738	up	0.472
RELB	0.425	0.739	down	-0.142
CHUK	0.429	0.745	up	0.092
LAIR1	0.431	0.745	up	0.2
PLEKHM1	0.432	0.746	up	0.0955
EGR1	0.436	0.75	down	-0.279
MMP12	0.445	0.756	down	-0.504
PIK3R5	0.442	0.756	down	-0.305
SIN3A	0.449	0.756	up	0.0845
MAN2B1	0.448	0.756	up	0.109
ICAM2	0.449	0.756	up	0.147
MAFB	0.445	0.756	up	0.24
CLEC7A	0.445	0.756	up	0.267
FCGR3A	0.448	0.756	up	0.376
SIGLEC1	0.446	0.756	up	0.429
DDB2	0.451	0.757	up	0.168
CRIP1	0.451	0.757	up	0.219
MBD2	0.455	0.758	down	-0.176
BRCA1	0.454	0.758	down	-0.141
H2AFX	0.456	0.759	down	-0.167



<i>HMOX1</i>	0.459	0.762	down	-0.292
<i>KLRK1</i>	0.46	0.762	up	0.322
<i>IL15RA</i>	0.462	0.763	down	-0.155
<i>CEACAM3</i>	0.464	0.766	down	-0.212
<i>EZH1</i>	0.468	0.77	up	0.156
<i>TBC1D4</i>	0.48	0.776	down	-0.398
<i>EXO1</i>	0.476	0.776	down	-0.195
<i>BRD2</i>	0.479	0.776	down	-0.157
<i>STX18</i>	0.479	0.776	down	-0.0775
<i>CALR</i>	0.476	0.776	up	0.102
<i>FANCD2</i>	0.484	0.776	up	0.108
<i>PROS1</i>	0.483	0.776	up	0.205
<i>CREM</i>	0.482	0.776	up	0.215
<i>TNFRSF1B</i>	0.479	0.776	up	0.231
<i>NINJ2</i>	0.479	0.776	up	0.294
<i>BCL2</i>	0.479	0.776	up	0.311
<i>PEX14</i>	0.488	0.777	up	0.0815
<i>CLCF1</i>	0.487	0.777	up	0.294
<i>TRPM4</i>	0.486	0.777	up	0.374
<i>RPA1</i>	0.497	0.779	down	-0.128
<i>MAP2K4</i>	0.495	0.779	up	0.0893
<i>WDR5</i>	0.497	0.779	up	0.097
<i>PIK3CD</i>	0.497	0.779	up	0.109
<i>CDC7</i>	0.496	0.779	up	0.13
<i>HDAC6</i>	0.498	0.779	up	0.165
<i>FCAR</i>	0.495	0.779	up	0.208
<i>C1QA</i>	0.498	0.779	up	0.327
<i>RPL36AL</i>	0.501	0.782	down	-0.101
<i>GNLY</i>	0.506	0.786	down	-0.415
<i>RPL9</i>	0.507	0.786	down	-0.111
<i>BECN1</i>	0.506	0.786	up	0.0677
<i>RPL29</i>	0.509	0.788	up	0.0972
<i>EEF2K</i>	0.515	0.793	down	-0.129
<i>FYN</i>	0.514	0.793	up	0.199
<i>PLD2</i>	0.518	0.797	down	-0.134
<i>CYTIP</i>	0.522	0.8	down	-0.218
<i>ASB2</i>	0.527	0.806	up	0.207
<i>S1PR4</i>	0.531	0.81	down	-0.3
<i>NCOR2</i>	0.534	0.813	up	0.127
<i>BID</i>	0.539	0.816	down	-0.148
<i>VAV1</i>	0.543	0.816	down	-0.094
<i>EIF1</i>	0.54	0.816	down	-0.0938
<i>MAPK14</i>	0.541	0.816	up	0.0814
<i>TET1</i>	0.542	0.816	up	0.204
<i>TIMP1</i>	0.539	0.816	up	0.253
<i>CABLES1</i>	0.545	0.817	down	-0.36
<i>RAD1</i>	0.546	0.817	up	0.085
<i>BLM</i>	0.549	0.819	down	-0.129
<i>PAK1</i>	0.557	0.826	up	0.14
<i>FAS</i>	0.555	0.826	up	0.166
<i>PSEN2</i>	0.556	0.826	up	0.167
<i>IL2RG</i>	0.56	0.827	up	0.125
<i>CCR5</i>	0.559	0.827	up	0.238

<i>FA2H</i>	0.561	0.827	up	0.3
<i>RB1CC1</i>	0.566	0.833	down	-0.0532
<i>MAP3K1</i>	0.569	0.834	down	-0.0699
<i>SETD1A</i>	0.569	0.834	down	-0.0543
<i>RPL28</i>	0.573	0.836	down	-0.102
<i>ASPH</i>	0.573	0.836	up	0.104
<i>KDM4C</i>	0.577	0.84	up	0.0923
<i>DNMT3A</i>	0.582	0.844	up	0.173
<i>ABCC3</i>	0.581	0.844	up	0.226
<i>GPR183</i>	0.589	0.845	down	-0.306
<i>GADD45A</i>	0.587	0.845	down	-0.217
<i>AKT2</i>	0.592	0.845	up	0.0448
<i>EPG5</i>	0.593	0.845	up	0.0799
<i>BMI1</i>	0.594	0.845	up	0.1
<i>DOT1L</i>	0.586	0.845	up	0.114
<i>MCM2</i>	0.592	0.845	up	0.139
<i>CCL2</i>	0.589	0.845	up	0.151
<i>MPEG1</i>	0.591	0.845	up	0.225
<i>NCR1</i>	0.593	0.845	up	0.368
<i>RAD51</i>	0.602	0.847	down	-0.109
<i>MCM6</i>	0.603	0.847	down	-0.101
<i>SMARCA5</i>	0.605	0.847	down	-0.0551
<i>PRKAR1A</i>	0.599	0.847	up	0.0826
<i>IFITM2</i>	0.605	0.847	up	0.138
<i>GCLC</i>	0.604	0.847	up	0.15
<i>MS4A4A</i>	0.607	0.847	up	0.203
<i>C5AR1</i>	0.608	0.847	up	0.243
<i>GRAP</i>	0.598	0.847	up	0.267
<i>CD70</i>	0.607	0.847	up	0.273
<i>IRF7</i>	0.613	0.852	down	-0.181
<i>NFKBIE</i>	0.615	0.853	down	-0.102
<i>CD8A</i>	0.618	0.856	up	0.291
<i>FCGR2B</i>	0.621	0.859	up	0.239
<i>LDHA</i>	0.631	0.87	up	0.0832
<i>TREM1</i>	0.64	0.879	down	-0.231
<i>TRAF3</i>	0.642	0.879	down	-0.0871
<i>BARD1</i>	0.644	0.879	down	-0.0618
<i>BAK1</i>	0.641	0.879	up	0.0731
<i>SETD1B</i>	0.641	0.879	up	0.0949
<i>MARCO</i>	0.672	0.88	down	-0.299
<i>LAG3</i>	0.677	0.88	down	-0.218
<i>BBC3</i>	0.677	0.88	down	-0.173
<i>ATF3</i>	0.656	0.88	down	-0.159
<i>TRAF2</i>	0.659	0.88	down	-0.134
<i>MAP3K14</i>	0.672	0.88	down	-0.0809
<i>IRAK4</i>	0.656	0.88	down	-0.06
<i>SIRT1</i>	0.667	0.88	down	-0.0529
<i>NBN</i>	0.656	0.88	down	-0.0497
<i>CREBBP</i>	0.665	0.88	down	-0.0437
<i>ULK1</i>	0.665	0.88	up	0.0632
<i>FEN1</i>	0.659	0.88	up	0.0634
<i>CASP2</i>	0.667	0.88	up	0.0646
<i>INPP5D</i>	0.66	0.88	up	0.0823

<i>TLE3</i>	0.671	0.88	up	0.09
<i>LRRC25</i>	0.672	0.88	up	0.0906
<i>TP53BP2</i>	0.651	0.88	up	0.105
<i>TNFSF4</i>	0.657	0.88	up	0.119
<i>TP53</i>	0.669	0.88	up	0.12
<i>EPSTI1</i>	0.674	0.88	up	0.133
<i>IL1RN</i>	0.67	0.88	up	0.137
<i>FOS</i>	0.676	0.88	up	0.16
<i>TLR7</i>	0.648	0.88	up	0.209
<i>CST7</i>	0.668	0.88	up	0.225
<i>LY9</i>	0.647	0.88	up	0.229
<i>FASLG</i>	0.658	0.88	up	0.24
<i>P2RY12</i>	0.679	0.881	up	0.196
<i>CYCS</i>	0.691	0.891	down	-0.0916
<i>CCNI</i>	0.689	0.891	down	-0.0467
<i>SMC1A</i>	0.689	0.891	up	0.0932
<i>CTSW</i>	0.694	0.893	up	0.206
<i>RAD51B</i>	0.698	0.895	down	-0.0674
<i>RAD51C</i>	0.697	0.895	down	-0.0424
<i>BIK</i>	0.707	0.897	down	-0.191
<i>PTMS</i>	0.709	0.897	down	-0.106
<i>NQO1</i>	0.702	0.897	down	-0.0875
<i>CASP7</i>	0.708	0.897	down	-0.074
<i>IRAK1</i>	0.71	0.897	up	0.0675
<i>TCIRG1</i>	0.704	0.897	up	0.0772
<i>RNF8</i>	0.7	0.897	up	0.086
<i>KDM5B</i>	0.707	0.897	up	0.138
<i>KDM2A</i>	0.716	0.9	down	-0.0495
<i>TFG</i>	0.717	0.9	up	0.048
<i>SQSTM1</i>	0.717	0.9	up	0.0741
<i>CDKN1A</i>	0.718	0.9	up	0.0921
<i>MAPK12</i>	0.718	0.9	up	0.122
<i>LIG1</i>	0.724	0.901	down	-0.0651
<i>SUZ12</i>	0.722	0.901	down	-0.042
<i>IRF8</i>	0.721	0.901	up	0.135
<i>CASP3</i>	0.725	0.902	down	-0.0778
<i>HRK</i>	0.734	0.907	down	-0.194
<i>FANCC</i>	0.734	0.907	down	-0.0967
<i>PIK3CA</i>	0.731	0.907	down	-0.0593
<i>IKBKB</i>	0.736	0.907	down	-0.0538
<i>CCNG2</i>	0.736	0.907	up	0.0683
<i>HOMER1</i>	0.744	0.912	down	-0.12
<i>HIF1A</i>	0.743	0.912	up	0.0605
<i>CASP9</i>	0.744	0.912	up	0.0647
<i>VEGFA</i>	0.746	0.913	up	0.122
<i>CXCL9</i>	0.747	0.913	up	0.166
<i>CP</i>	0.753	0.914	down	-0.151
<i>TMEM37</i>	0.753	0.914	down	-0.146
<i>DNMT3B</i>	0.751	0.914	down	-0.115
<i>HLA-E</i>	0.752	0.914	down	-0.04
<i>IL1B</i>	0.762	0.922	down	-0.13
<i>CD163</i>	0.762	0.922	up	0.123
<i>TNFSF10</i>	0.767	0.923	down	-0.0689

<i>MBD3</i>	0.766	0.923	down	-0.0531
<i>PILRB</i>	0.765	0.923	up	0.0444
<i>APEX1</i>	0.778	0.928	down	-0.0455
<i>CHEK1</i>	0.777	0.928	down	-0.0446
<i>EP300</i>	0.782	0.928	down	-0.0223
<i>ETS2</i>	0.777	0.928	up	0.05
<i>SPIB</i>	0.782	0.928	up	0.0894
<i>TBX21</i>	0.775	0.928	up	0.14
<i>TNF</i>	0.777	0.928	up	0.148
<i>LTA</i>	0.782	0.928	up	0.172
<i>PRF1</i>	0.785	0.93	up	0.105
<i>PECAM1</i>	0.788	0.932	up	0.0509
<i>S100A12</i>	0.797	0.933	down	-0.13
<i>IL3RA</i>	0.8	0.933	down	-0.1
<i>SPINT1</i>	0.797	0.933	down	-0.095
<i>HELLS</i>	0.798	0.933	down	-0.0425
<i>MEF2C</i>	0.798	0.933	up	0.0479
<i>BIRC3</i>	0.799	0.933	up	0.0656
<i>TLR4</i>	0.794	0.933	up	0.0678
<i>PTGS2</i>	0.793	0.933	up	0.124
<i>TNFRSF17</i>	0.806	0.934	down	-0.119
<i>IKBKE</i>	0.805	0.934	up	0.0462
<i>VAMP7</i>	0.802	0.934	up	0.0483
<i>SERPINE1</i>	0.805	0.934	up	0.108
<i>FADD</i>	0.809	0.936	down	-0.0507
<i>IGF1</i>	0.814	0.937	down	-0.109
<i>CASP6</i>	0.812	0.937	down	-0.0418
<i>CLN3</i>	0.814	0.937	up	0.0381
<i>PRKACA</i>	0.817	0.94	up	0.027
<i>TNFRSF13C</i>	0.825	0.941	down	-0.0877
<i>BCL2A1</i>	0.825	0.941	down	-0.081
<i>NTHL1</i>	0.825	0.941	down	-0.0567
<i>KDM1A</i>	0.823	0.941	up	0.0312
<i>IL6R</i>	0.82	0.941	up	0.0987
<i>NKG7</i>	0.827	0.942	down	-0.0843
<i>TMEM206</i>	0.829	0.942	up	0.0394
<i>TNFRSF10B</i>	0.831	0.943	up	0.0377
<i>KIF2C</i>	0.833	0.944	up	0.0399
<i>IRAK2</i>	0.837	0.945	down	-0.0828
<i>PRKCE</i>	0.842	0.945	down	-0.0799
<i>DOCK2</i>	0.839	0.945	down	-0.0179
<i>BRAF</i>	0.846	0.945	up	0.0237
<i>KDM1B</i>	0.843	0.945	up	0.0306
<i>HDAC1</i>	0.841	0.945	up	0.0317
<i>ITGAX</i>	0.847	0.945	up	0.0766
<i>PLA2G5</i>	0.839	0.945	up	0.0824
<i>TNFSF8</i>	0.846	0.945	up	0.0975
<i>GZMA</i>	0.852	0.95	up	0.122
<i>MAP2K1</i>	0.856	0.953	down	-0.0224
<i>RPS21</i>	0.861	0.955	down	-0.0236
<i>ATM</i>	0.861	0.955	up	0.0275
<i>CD44</i>	0.863	0.956	up	0.0664
<i>BCL2L1</i>	0.865	0.957	up	0.0366

AMIGO2	0.87	0.959	down	-0.066
ARHGAP24	0.87	0.959	up	0.0519
RAD9A	0.875	0.961	down	-0.0308
XIAP	0.876	0.961	down	-0.0207
SH2D1A	0.874	0.961	up	0.0936
HMGB1	0.883	0.962	down	-0.0382
TOPBP1	0.884	0.962	down	-0.0171
SUV39H2	0.884	0.962	up	0.0249
PIK3CG	0.88	0.962	up	0.0537
PLA2G4A	0.88	0.962	up	0.0679
IKBKG	0.888	0.966	down	-0.028
FANCG	0.89	0.967	down	-0.0249
RPS2	0.897	0.971	down	-0.0151
ASH2L	0.898	0.971	down	-0.0103
HSD11B1	0.905	0.978	down	-0.0399
CD36	0.917	0.985	down	-0.0677
CCL4	0.918	0.985	down	-0.0468
RALB	0.926	0.985	down	-0.0231
TGM1	0.919	0.985	down	-0.0223
BAX	0.922	0.985	down	-0.0185
NFKBIA	0.925	0.985	down	-0.0142
HUS1	0.926	0.985	up	0.00909
RPS9	0.924	0.985	up	0.0117
COTL1	0.921	0.985	up	0.0225
LTC4S	0.914	0.985	up	0.0359
CNN2	0.93	0.987	down	-0.0274
SLC44A1	0.931	0.987	up	0.0263
PSMB8	0.934	0.989	up	0.0314
AKT1	0.942	0.992	down	-0.0155
STMN1	0.939	0.992	down	-0.0145
GBA	0.943	0.992	down	-0.0104
ATG9A	0.938	0.992	down	-0.00972
EPCAM	0.941	0.992	up	0.0502
RPS10	0.949	0.994	up	0.012
PTPN6	0.948	0.994	up	0.0189
EMCN	0.957	0.995	down	-0.0161
SELL	0.979	0.995	down	-0.0135
SUV39H1	0.981	0.995	down	-0.00562
TRADD	0.979	0.995	down	-0.00534
RPS3	0.97	0.995	down	-0.00529
PARP2	0.97	0.995	down	-0.00526
XRCC6	0.96	0.995	down	-0.00499
IRF1	0.982	0.995	down	-0.0049
PRKAR2A	0.981	0.995	down	-0.00401
CREB1	0.981	0.995	up	0.00244
ATG3	0.981	0.995	up	0.00275
COX5B	0.974	0.995	up	0.00295
TXNRD1	0.975	0.995	up	0.00591
KDM5A	0.963	0.995	up	0.00609
IL21R	0.98	0.995	up	0.00727
RAD50	0.954	0.995	up	0.0073
PYCARD	0.962	0.995	up	0.00935
FBLN5	0.972	0.995	up	0.0131

<i>CAMK4</i>	0.974	0.995	up	0.0163
<i>SYK</i>	0.952	0.995	up	0.0177
<i>STEAP4</i>	0.959	0.995	up	0.0186
<i>CD209</i>	0.973	0.995	up	0.0225
<i>BNIP3</i>	0.953	0.995	up	0.0246
<i>KIR3DL1</i>	0.993	0.996	down	-0.0058
<i>SOCS3</i>	0.986	0.996	down	-0.00553
<i>MDC1</i>	0.991	0.996	down	-0.00191
<i>OPTN</i>	0.993	0.996	down	-0.00164
<i>IL10RB</i>	0.989	0.996	up	0.00244
<i>LTB</i>	0.99	0.996	up	0.00757
<i>CD69</i>	0.985	0.996	up	0.00861
<i>LOX</i>	0.997	0.997	down	-0.00214
<i>UNG</i>	0.997	0.997	up	0.000736