

SUPPLEMENTARY NOTE

Co-activation of GR and NFkB alters the repertoire of their binding sites and target genes.

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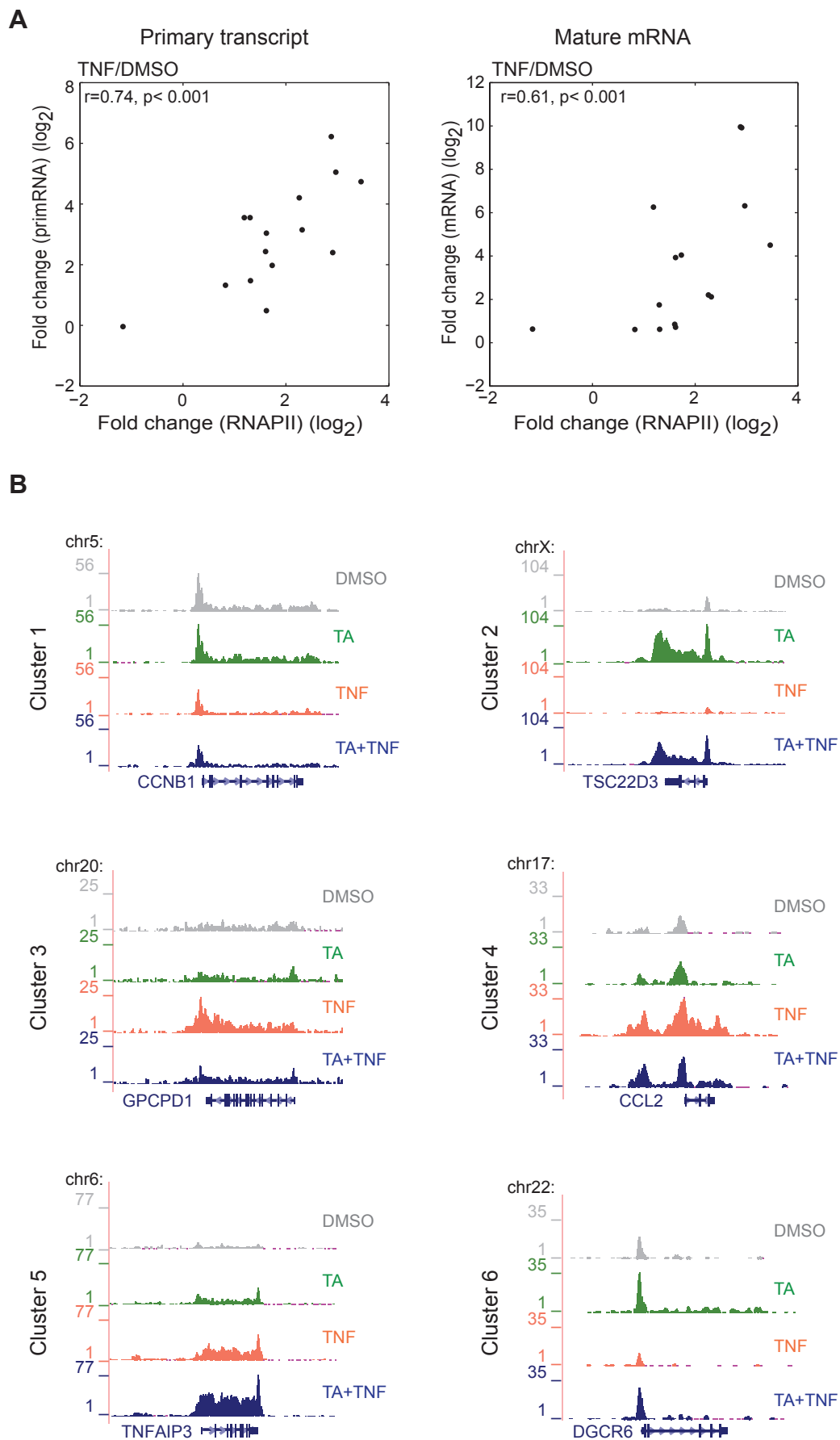
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Running title: Global GR and NFkB crosstalk

Keywords: GR, p65, genome-wide, binding sites, crosstalk

SUPPLEMENTARY FIGURES/FIGURE LEGENDS AND SUPPLEMENTARY TABLES



Supplementary Figure 1.

(A) Comparison of RNAPII occupancy and primary transcript levels (primRNA, left panel) or mRNA levels (right panel). Scatter plots depicting the Pearson correlation (r) between changes in primRNA or mRNA levels (y-axis) and in RNAPII occupancy (x-axis) for 15 TNF regulated genes. Changes in primRNA, mRNA and RNAPII occupancy were expressed as fold induction of the indicated treatment over DMSO (in $\log_2$ scale).

(B) Cluster analysis of genes regulated upon TA and/or TNF treatment. Representative examples of the RNAPII occupancy, upon the indicated treatments, for genes of each cluster are presented.

Clusters of regulated genes

Cluster 1 contains genes that are largely unaffected by TA and down-regulated by TNF. Additional treatment with TA enhances the TNF-induced down-regulation as exemplified by *CCNB1* (cyclin B1). GO analysis revealed that genes in this cluster are enriched in cell cycle regulation, propanoate metabolism and reductive carboxylate cycle (Table 1).

Cluster 2 contains genes that show up-regulation by TA and TA+TNF and down-regulation in the presence of TNF alone, as exemplified by *TSC22D3* (TSC22 domain family, member 3 isoform 3; also known as GILZ, glucocorticoid-induced leucine zipper protein). TSC22D3 is a transcriptional regulator that is stimulated by glucocorticoids and appears to play a key role in their anti-inflammatory and immunosuppressive effects (Karin 1998) (Ayroldi and Riccardi 2009). Cluster 2 genes are involved in MAPK, insulin, mTOR and adipocytokine signaling pathways as well as in focal adhesion, urea cycle and metabolism of amino groups (Table 1). Cluster 2 appears to include mainly direct TA targets that are not affected by additional TNF treatment.

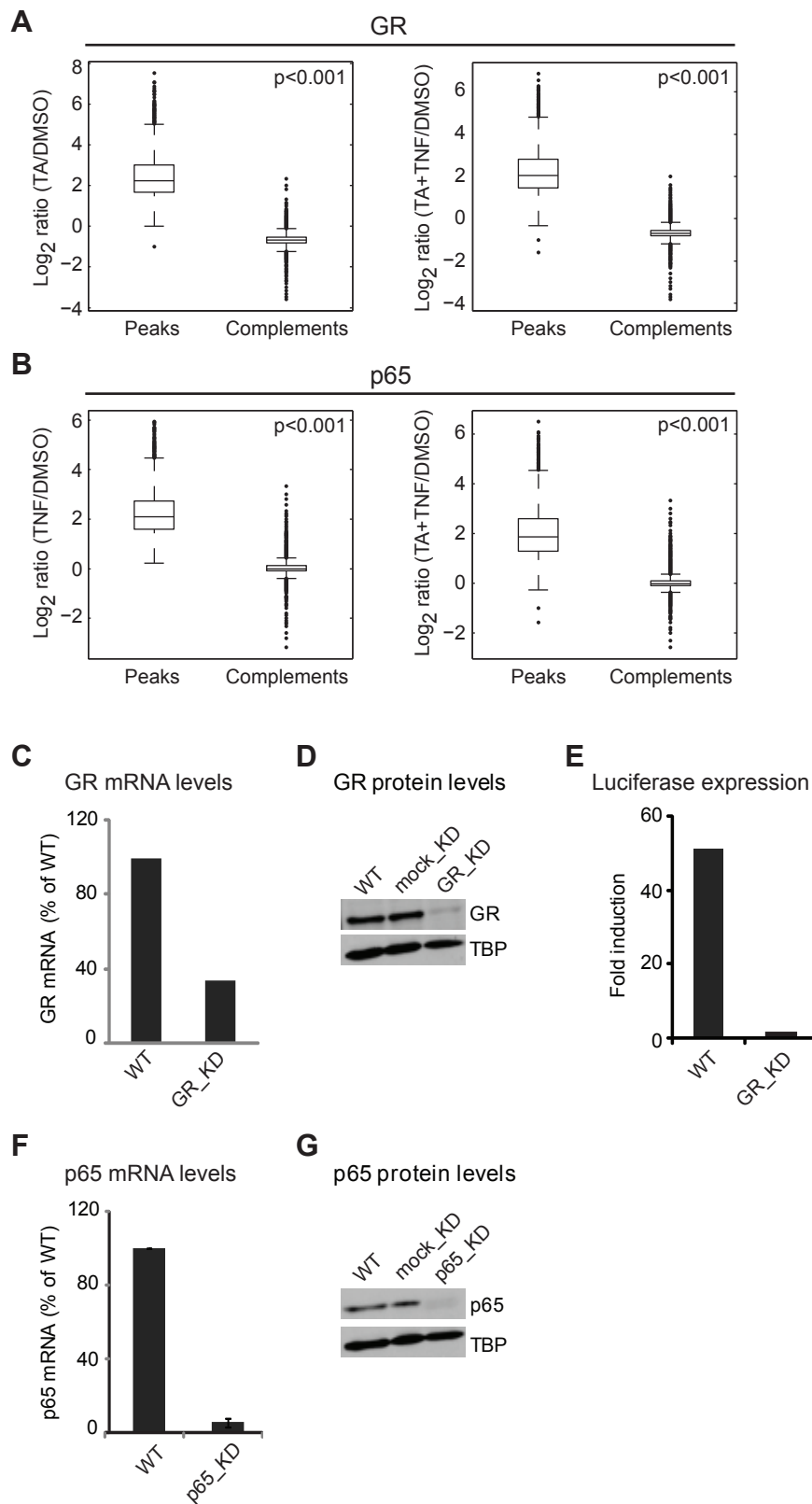
Cluster 3 contains 127 genes (6.5% of the regulated genes) that are up-regulated by TNF and down-regulated by TA and TA+TNF, as exemplified by *GPCPD1* (glycerophosphocholine phosphodiesterase GDE1 homolog). GO analysis showed enrichment for genes involved in ribosome and in biosynthesis of steroids and terpenoids (Table 1).

Cluster 4 contains genes that are largely unaffected by TA and show strong up-regulation in the presence of TNF; a subset of these genes are down-regulated upon additional TA treatment (TA+TNF), as exemplified by *CCL2* (chemokine (C-C motif) ligand 2, also known as *MCP-1*). CCL2 is a chemokine that is stimulated by pro-inflammatory cytokines and has been reported to be down-regulated by glucocorticoids (Zhou et al. 2007; Kato et al. 2009). GO analysis revealed that cluster 4 genes are involved in cytokine-cytokine receptor interaction, MAPK signaling pathways, apoptosis and Toll-like receptor signaling pathways (Table 1). Cluster 4 comprises to a

large extent direct TNF targets, 20% of which are down-regulated by additional treatment with TA.

Cluster 5 contains genes that are mildly up-regulated by TA or TNF and strongly up-regulated by TA+TNF, as exemplified by *TNFAIP3* (TNF interacting protein 3). TNFAIP3 is a zinc finger protein rapidly induced by TNF α that has been shown to inhibit NF κ B activation as well as TNF-mediated apoptosis (Verstrepen et al. 2010). GO analysis revealed that these genes are involved in negative effector of FAS and TNF pathways, TNFR1/TNFR2 signaling, glycerophospholipid metabolism and Wnt signaling pathway (Table 1). Cluster 5 genes are co-operatively activated by both TA and TNF.

Cluster 6 contains genes that show up-regulation by TA and down-regulation by TNF and to a lesser extent by TA+TNF as exemplified by *DGCR6* (DiGeorge syndrome critical region protein 6). GO analysis showed enrichment for genes involved in axon guidance, PPAR signaling pathways, glutathione metabolism and phosphatidylinositol signaling system (Table 1). *FKBP5* (FK506 binding protein 5) is an example of cluster 6 genes. FKBP5 is a co-chaperone protein that participates, along with HSP90 and p23, in the assembly of the GR hetero-oligomeric complex. Glucocorticoids up-regulate FKBP5 expression and in turn FKBP5 is involved in negative feedback regulation of GR signaling (Wochnik et al. 2005; Paakinaho et al. 2010). Cluster 6 genes are to a large extent direct TA targets that are down-regulated by additional treatment with TNF.



Supplementary Figure 2.

(A,B) Comparison between the distributions of the signal-to-noise ratios for the GR (A) and p65 peak loci (B) and their complements, under the indicated conditions. To further validate the quality of our data, we counted the mapped reads under the peak coordinates in both treatment (signal) and control tracks (noise), and calculated the $\log_2$ ratio of the signal to noise for each factor. The same ratio was also calculated for the complements to the peaks (loci in between two consecutive peaks, e.g. non-peak regions). Comparison between the distributions of the signal-to-noise ratios indicates a highly significant difference between the identified peak and the non-peak genomic regions, thus further ascertaining the quality of our datasets.

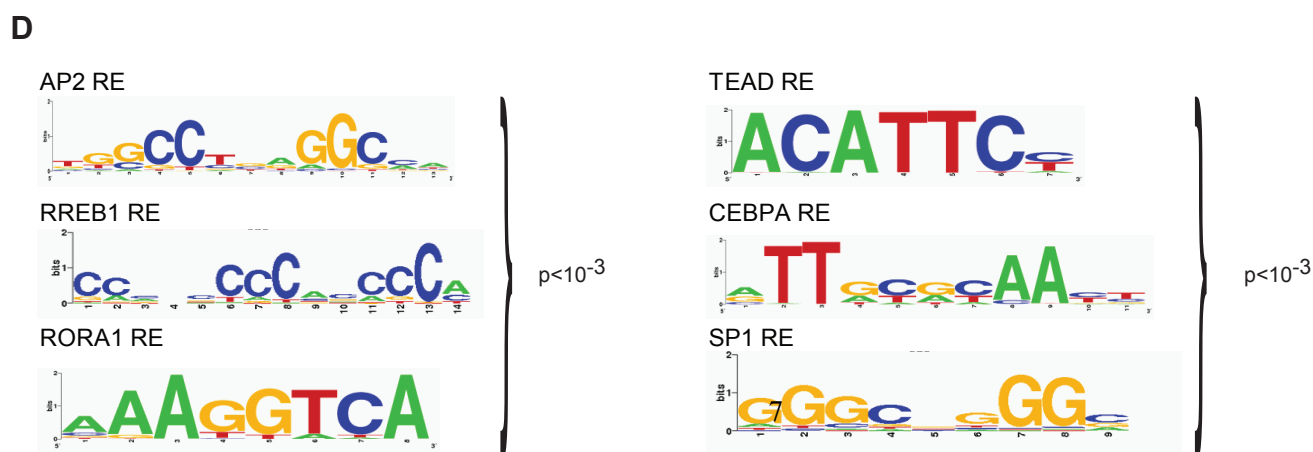
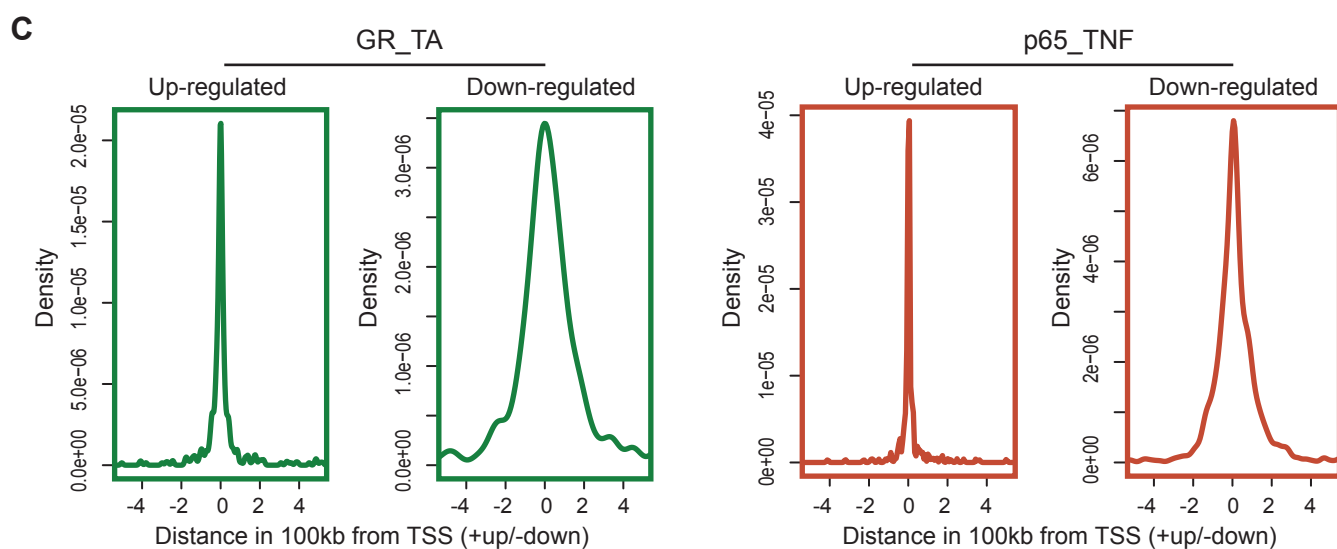
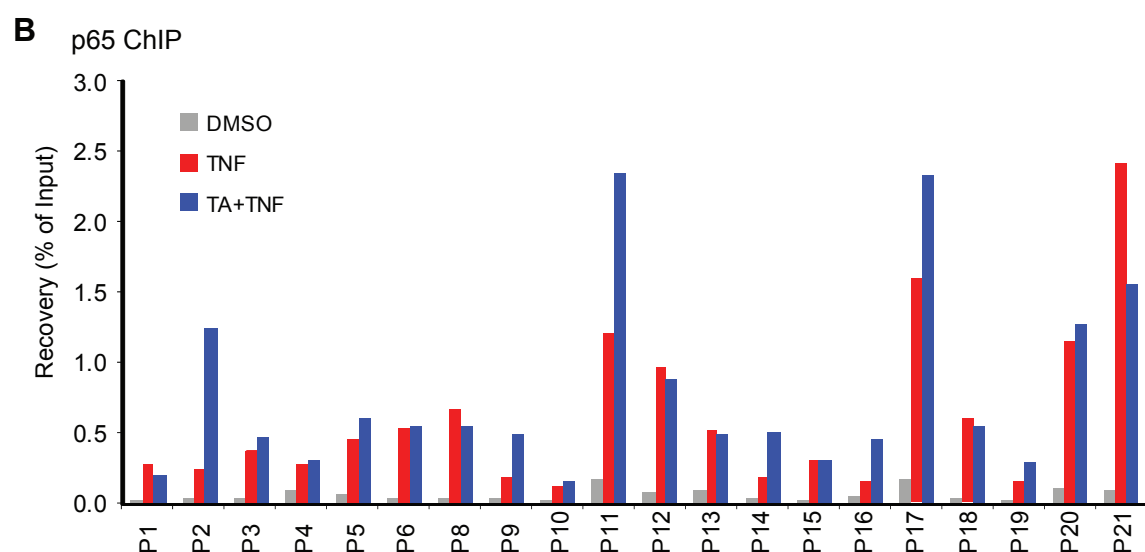
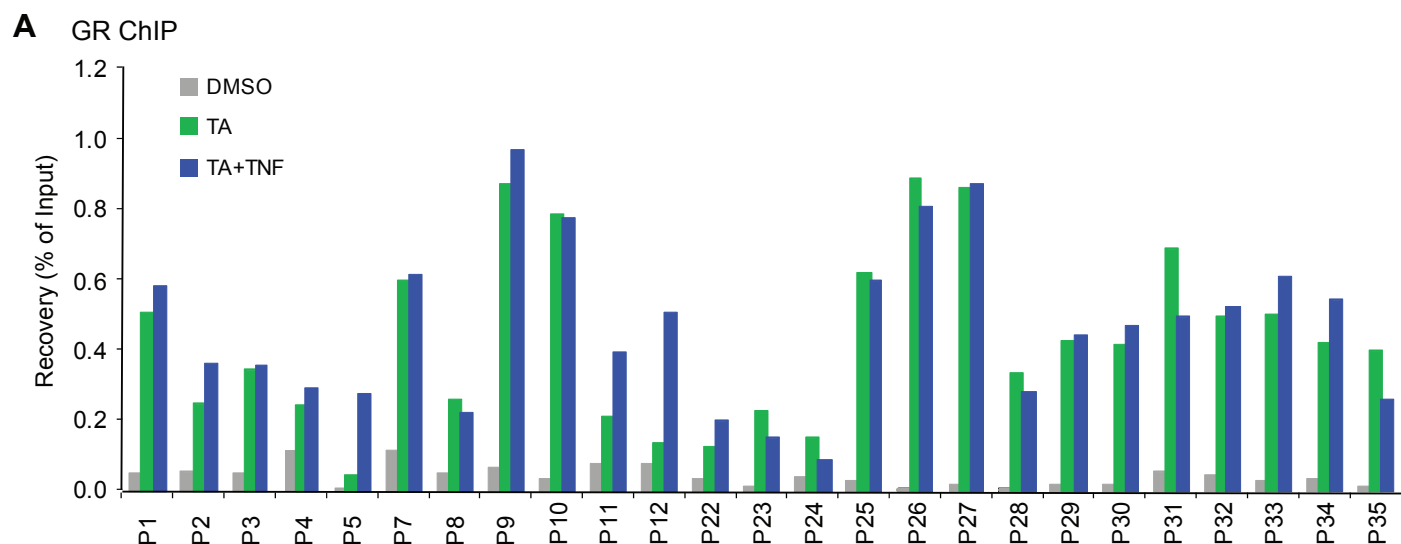
(C-G) Establishment of HeLa B2 GR_KD and p65_KD cells

(C-E) Characterization of HeLa B2 GR_KD cells. **(C)** GR mRNA levels in GR_KD cells were assessed by RT-qPCR and expressed relative to the levels in WT cells. **(D)** Western blot analysis of WT, mock_KD and GR_KD HeLa B2 cells using antibodies against GR and TBP (TATA binding protein, used as loading control). **(E)** Expression of a glucocorticoid responsive-luciferase reporter gene (MMTV-Luc) in WT and GR_KD cells treated with either TA or DMSO. Luciferase activity in the presence of TA was expressed as fold induction over DMSO.

(F, G) Characterization of HeLa B2 p65_KD cells. **(F)** p65 mRNA levels in p65_KD cells were assessed by RT-qPCR and expressed relative to the levels in WT cells. **(G)** Western blot analysis of WT, mock_KD and p65_KD HeLa B2 cells using antibodies against p65 and TBP.

Establishment of HeLa B2 GR_KD and p65_KD cells

To validate the global GR binding sites and confirm the specificity of our ChIP-qPCR data, we established HeLa B2 GR_KD cells by stable, shRNA-mediated knockdown of GR. These cells express low levels of GR mRNA and protein resulting in low hormone binding capacity, impaired induction of target gene expression and reduced binding on chromatin (this figure and data not shown). Similarly, we established HeLa B2 p65_KD cells that express low levels of p65 mRNA and protein resulting in reduced binding on chromatin (this figure and data not shown).

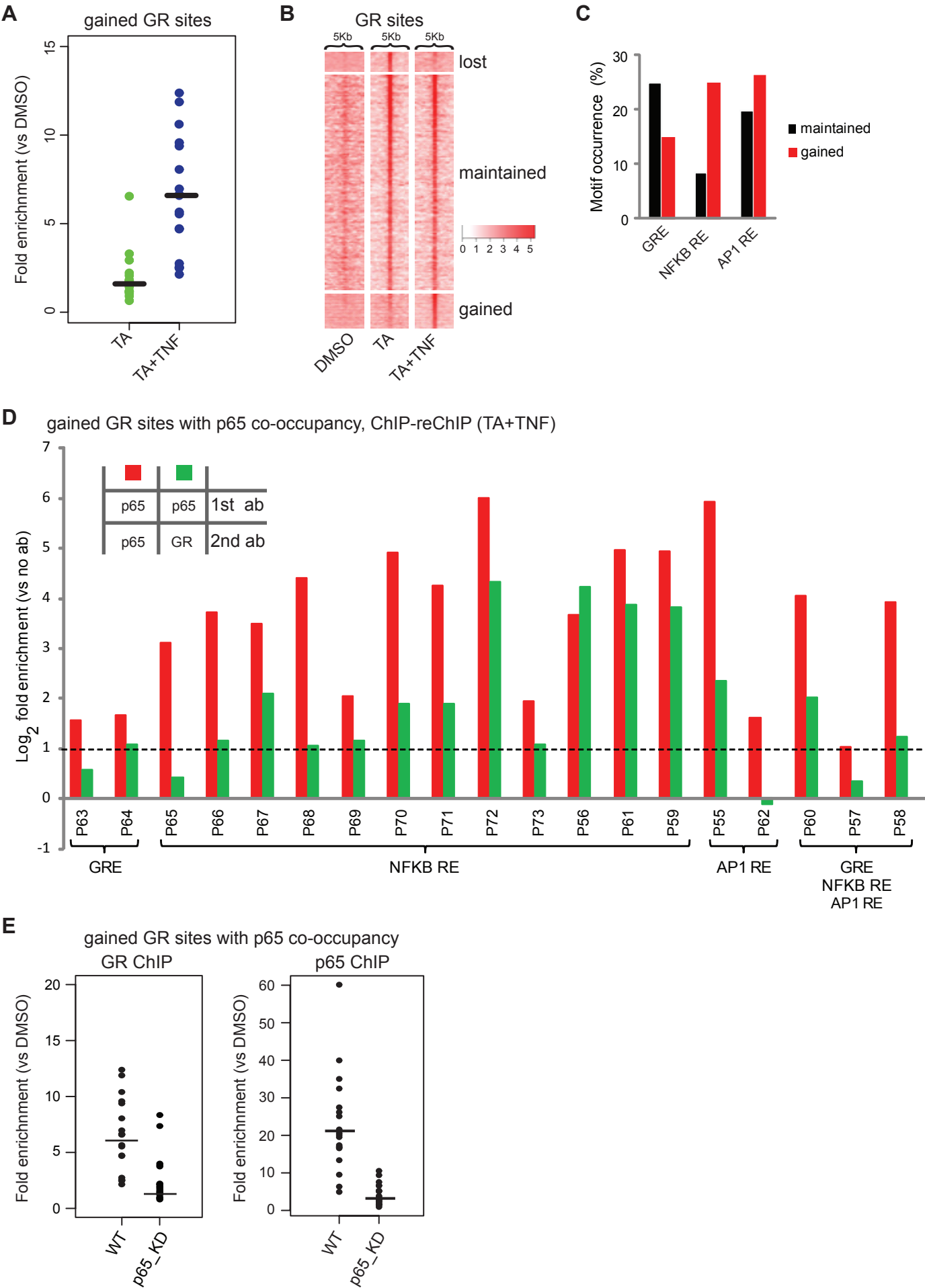


Supplementary Figure 3. GR and p65 binding sites upon co-activation.

(A, B) Validation of GR (A) and p65 binding sites (B) upon single activation (TA or TNF) and co-activation (TA+TNF). Bar plots of GR and p65 ChIP-qPCR data for 25 randomly selected GR sites and 20 randomly selected p65 sites in WT cells treated as indicated. Results were expressed as a percentage of input chromatin and represent the average of two independent biological replicates. Binding sites with fold induction (relative to DMSO) >2 are regarded as validated. Primer pairs used for qPCR are listed in Supplementary Table 3.

(C) Distance analysis of GR and p65 binding sites to regulated genes. Density plots illustrate the frequency of the indicated GR and p65 sites (y-axis) at various distances upstream or downstream from the TSS of the closest regulated gene (x-axis). Up-regulated and down-regulated genes were analyzed separately. Similar data were observed for GR and p65 sites detected upon co-activation (data not shown).

(D) Response elements for AP2, RREB1, RORA1, TEAD, CEBPA and SP1, were identified, in addition to the predominant GRE, NFkB RE and AP1 RE motifs, within the GR and p65 binding sites. Motifs were identified by de novo motif search and visualized using WebLogo.



Supplementary Figure 4. Analysis of gained GR binding sites.

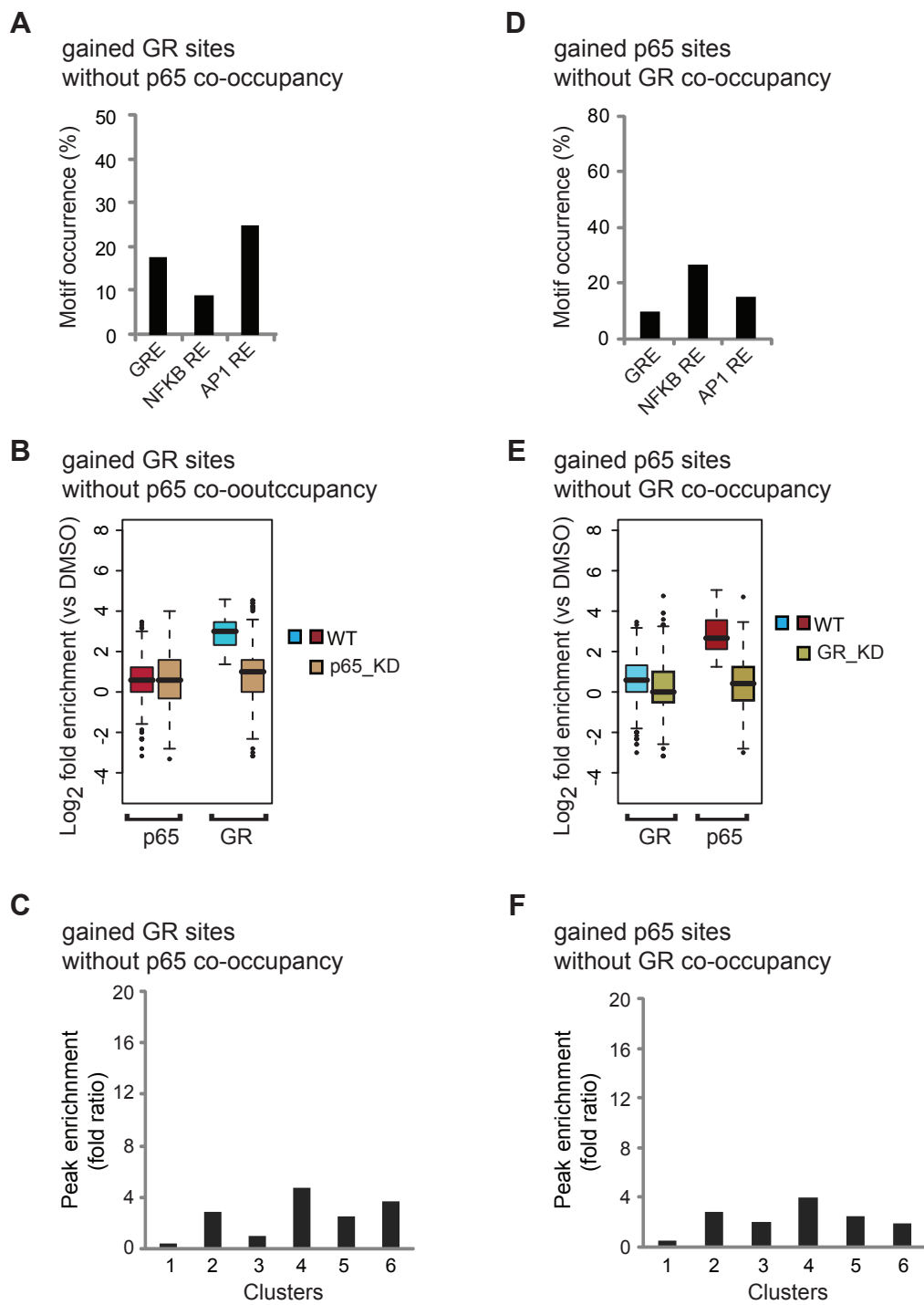
(A) Validation of gained GR sites. Strip plot of GR ChIP-qPCR data for 19 randomly selected gained GR sites co-occupied by p65 from WT cells treated with TA or TA+TNF. Results were expressed as fold enrichment over DMSO (in $\log_2$ scale).

(B) Tag density maps depicting the pattern of GR occupancy around (peak mode $\pm 2.5\text{kb}$) all GR sites identified upon TA and TA+TNF treatment. Color density indicates the level of GR occupancy (square root of tag density; see scale below) in a 250bp window.

(C) Motif occurrence within the GR binding sites. The bar graph shows the percentage of gained and maintained GR sites containing the indicated motifs.

(D) Validation of GR and p65 co-occupancy at gained GR sites co-occupied by p65. Sequential ChIP (ChIP-reChIP)-qPCR data for 19 randomly selected gained GR sites co-occupied by p65 upon TA+TNF treatment. The first ChIP was performed with the p65 antibody covalently cross-linked to beads and was followed by ChIP with either p65 antibody, GR antibody or no antibody. Results were expressed as fold enrichment over negative control (no antibody in reChIP) and presented in $\log_2$ scale. Sites that show fold enrichment ≥ 2 ($\log_2 \geq 1$, indicated with the dashed line) are considered as validated. Primer pairs used for qPCR are listed in Supplementary Table 3.

(E) KD of p65 abolishes GR binding at gained GR sites co-occupied by p65. Strip plot of GR and p65 ChIP-qPCR for 19 gained GR sites co-occupied by p65 upon TA+TNF treatment of WT and p65_KD cells. Results were expressed as fold enrichment over negative control (DMSO).



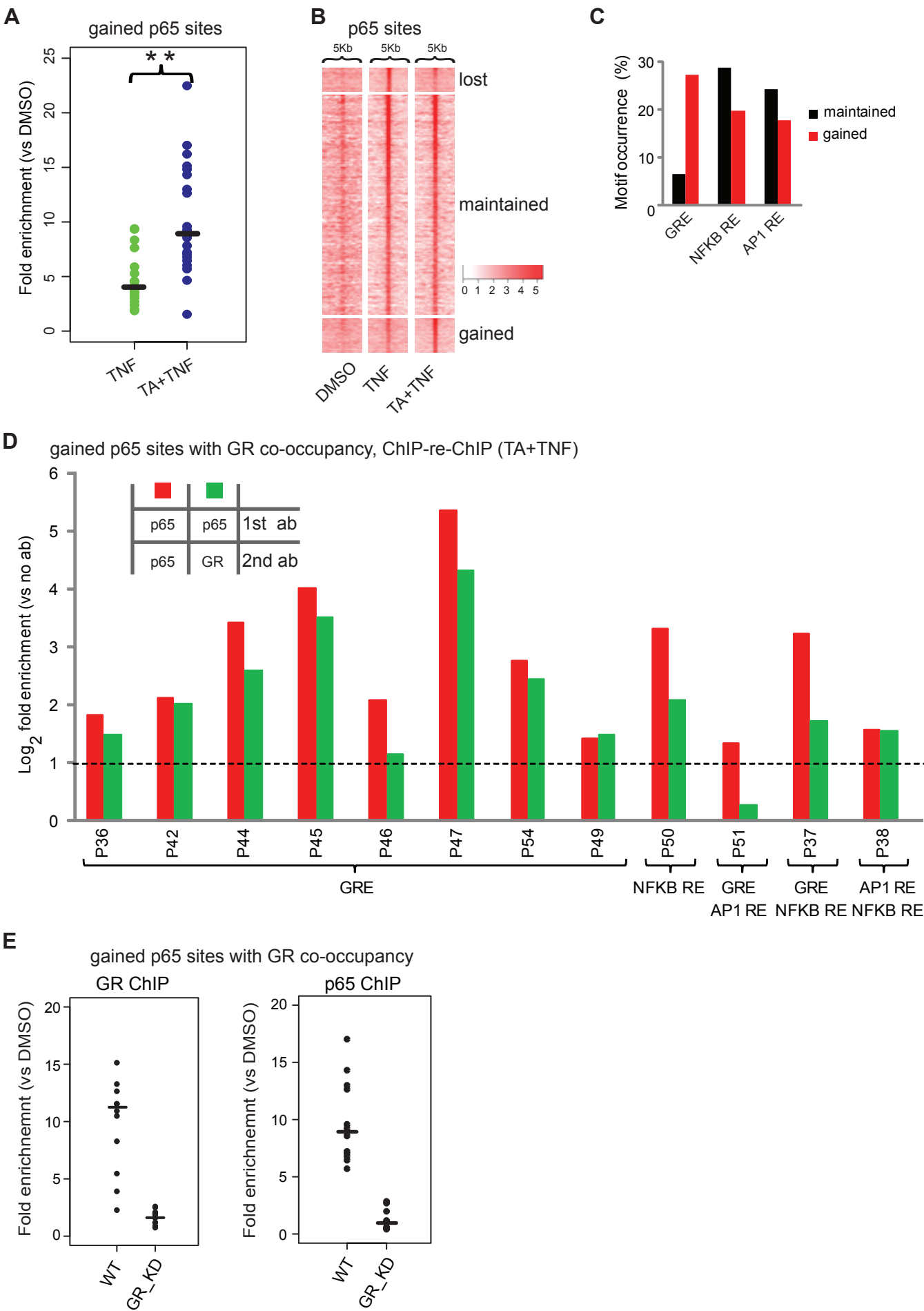
Supplementary Figure 5. Analysis of gained GR and p65 binding sites without co-occupancy of GR and p65, respectively.

(A, D) Motif occurrence within gained GR sites not co-occupied by p65 (A) and gained p65 sites not co-occupied by GR (D). The bar graph shows the percentage of these sites containing the indicated motifs.

(B) Boxplots of GR and p65 tag counts distributed under peak locations ($\log_2$ scale) of gained GR sites not co-occupied by p65, upon TA+TNF treatment, in WT cells and the respective tag distributions for the same locations in p65_KD cells.

(C, F) Enrichment of gained GR sites not co-occupied by p65 (C) and gained p65 sites not co-occupied by GR (F) that are assigned to the genes of each cluster. Peak enrichment fold ratio is as described in Fig. 5G.

(E) Boxplots of GR and p65 tag counts distributed under peak locations ($\log_2$ scale) of gained p65 sites not co-occupied by GR, upon TA+TNF treatment, in WT cells and the respective tag distributions for the same locations in GR_KD cells.



Supplementary Figure 6. Analysis of gained p65 binding sites.

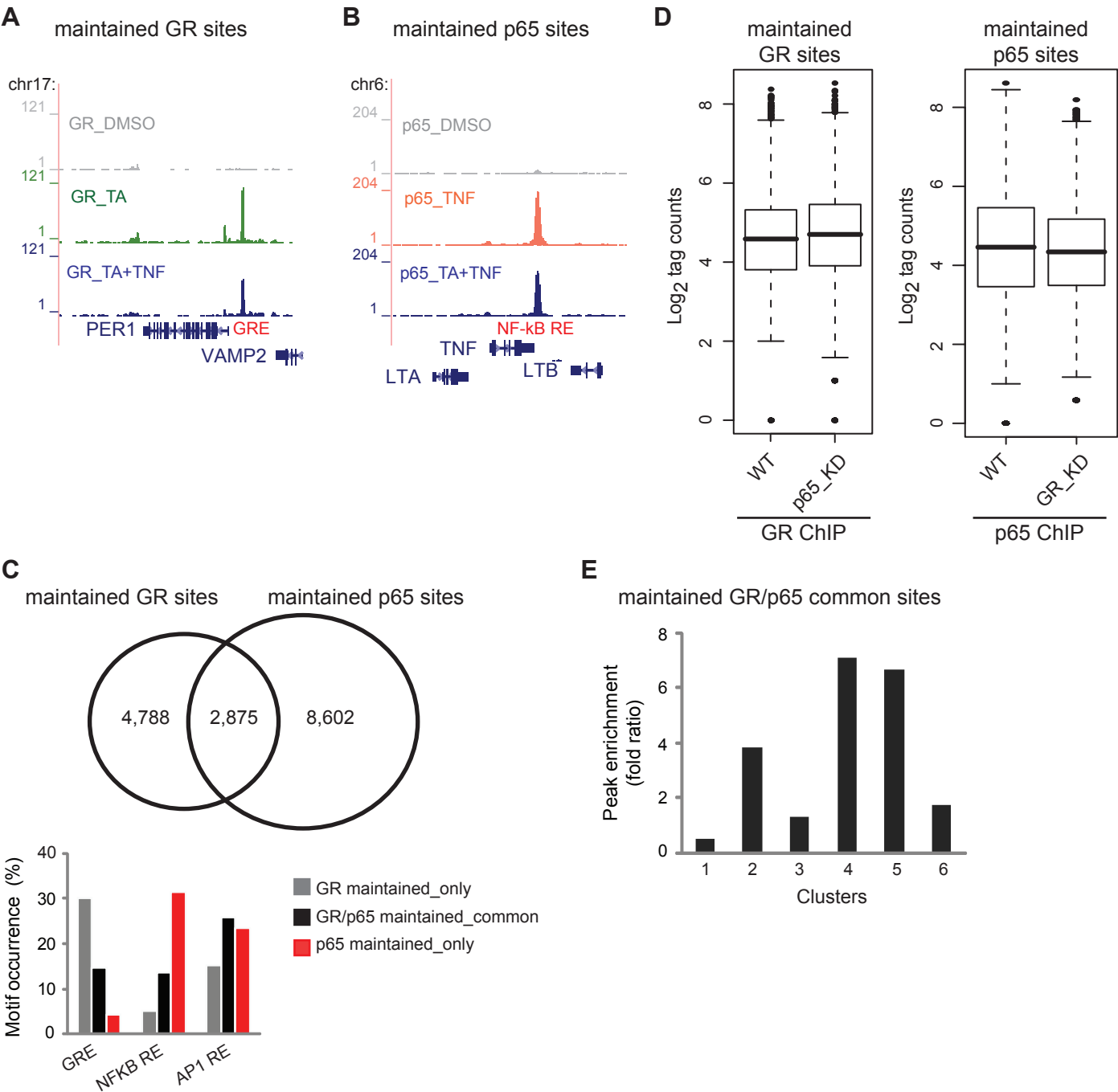
(A) Validation of gained p65 sites. Strip plot of p65 ChIP-qPCR data for 12 randomly selected gained p65 sites co-occupied by GR from WT cells treated with TNF or TA+TNF. Results were expressed as fold enrichment over DMSO (in log₂ scale).

(B) Tag density maps depicting the pattern of p65 occupancy around (peak mode ± 2.5 kb) all p65 sites identified upon TNF and TA+TNF treatment. Color density indicates the level of p65 occupancy (square root of tag density; see scale below) in a 250bp window.

(C) Motif occurrence within the p65 binding sites. The bar graph shows the percentage of gained and maintained p65 sites containing the indicated motifs.

(D) Validation of p65 and GR co-occupancy at gained p65 sites co-occupied by GR. Sequential ChIP (ChIP-reChIP)-qPCR data for 12 randomly selected gained p65 sites co-occupied by GR upon TA+TNF treatment. ChIP-reChIP, data analysis and primers used are as in Supplementary Fig. 4D.

(E) KD of GR abolishes p65 binding at gained p65 sites co-occupied by GR. Strip plot of GR and p65 ChIP-qPCR for 12 gained p65 sites co-occupied by GR upon TA+TNF treatment of WT and GR_KD cells. The data were expressed as fold enrichment over the negative control (DMSO).



Supplementary Figure 7. Analysis of maintained GR and p65 binding sites

(A, B) GR (A) and p65 ChIP-seq data (B) illustrate binding of GR and p65 at maintained sites, detected upon the indicated treatments. Data were viewed in the UCSC browser. The maximum number of overlapping tags, representing peak height, is indicated on the Y-axis.

(C) Profile of maintained GR and p65 sites.

(upper panel) Venn diagram of the overlap of maintained GR and p65 sites.

(lower panel) Motif occurrence within the maintained GR and p65 sites. The bar graph shows the percentage of maintained GR_only, GR and p65 common and p65_only sites containing the indicated motifs.

(D) Boxplots of GR and p65 tag counts distributed under peak locations ($\log_2$ scale) of maintained GR (left) and p65 sites (right), respectively, upon TA+TNF treatment in WT cells and the respective tag distributions under the same locations in p65_KD (left) and GR_KD cells (right).

(E) Enrichment of maintained GR and p65 common sites assigned to the genes of each cluster. Peak enrichment fold ratio is as described in Fig. 5G.

Supplementary Table 1: Overview of sequenced and mapped tags for all data sets.

Saturation analysis of our data performed with the respective functionality of MACS software, revealed that the depth of sequencing was sufficient to capture the majority (>75%) of GR and p65 binding sites (data not shown), in agreement with similar observations for other sequence specific transcription factors (Myers et al. 2011). In addition, we found that the percentage of mapped reads falling into binding sites varied from 2.60% to 4.68%.

Sample	Total reads	Mapped reads	% mapped reads
GR_DMSO	15243508	11615626	76.20
GR_TA	16125263	12524728	77.67
GR_TNF	16134062	12452081	77.18
GR_TA+ TNF	16576746	13020169	78.54
p65_DMSO	19193762	14589162	76.01
p65_TA	20095352	15440266	76.84
p65_TNF	20036080	16656605	78.14
p65_TA+ TNF	20327306	15912072	78.28
GR_DMSO_GRKD	31088809	24842394	79.91
GR_TA+ TNF_GRKD	30172864	23334827	77.34
GR_DMSO_p65KD	32740192	26196103	80.01
GR_TA+ TNF_p65KD	33298328	26745351	80.32
p65_DMSO_p65KD	21368380	17187034	80.43
p65_TA+ TNF_p65KD	32276510	25724507	79.70
p65_DMSO_GRKD	31877830	25488617	79.96
p65_TA+ TNF_GRKD	31877830	25488617	79.96
POL2_DMSO	20428139	16049291	78.56
POL2_TA	20681093	16260545	78.63
POL2_TNF	17817636	14124541	79.27
POL2_TA+ TNF	20128284	16006026	79.52

Supplementary Table 2: Clustering of all 1,932 regulated genes based on changes in RNAPII occupancy observed for the different treatments (TA, TNF and TA+ TNF) as compared to the control (DMSO).

GeneID	log ₂ (TA/DMSO)	log ₂ (TNFα/DMSO)	log ₂ (TA+TNFα/DMSO)	Cluster	Gene Symbol
ENSG00000156466	0.3626	-0.2689	-0.5415	1	<i>GDF6</i>
ENSG00000181143	-0.0070	-0.5260	-0.7882	1	<i>MUC16</i>
ENSG00000148677	0.8119	0.1520	-0.4044	1	<i>ANKRD1</i>
ENSG00000215839	-0.4254	-0.5861	-0.7744	1	<i>AL391001.12</i>
ENSG00000217340	0.0663	-0.3650	-0.6545	1	<i>AL023807.6</i>
ENSG00000116729	-0.1349	-0.4305	-0.5525	1	<i>GPR177</i>
ENSG00000010626	0.1040	-0.7191	-0.7415	1	<i>LRRC23</i>
ENSG00000122778	-0.1883	-0.4570	-0.5795	1	<i>KIAA1549</i>
ENSG00000076554	-0.2876	-0.6626	-0.9427	1	<i>TPD52</i>
ENSG00000104823	-0.1740	-0.4150	-0.8012	1	<i>ECH1</i>
ENSG00000126838	-0.1988	-0.4642	-0.9497	1	<i>PZP</i>
ENSG00000103150	0.5286	0.0987	0.0000	1	<i>MLYCD</i>
ENSG00000168002	-0.4238	-0.4594	-0.6114	1	<i>POLR2G</i>
ENSG00000188825	-0.3103	-0.5448	-0.6144	1	<i>AC087650.12-202</i>
ENSG00000213390	-0.2715	-0.3105	-0.5903	1	<i>ARHGAP19</i>
ENSG00000131069	0.0176	-0.3409	-0.5424	1	<i>ACSS2</i>
ENSG00000137460	-0.2491	-0.6425	-0.8304	1	<i>FHDC1</i>
ENSG00000164077	0.1163	-0.7336	-0.8931	1	<i>MON1A</i>
ENSG00000205133	-0.2947	-0.3354	-0.5652	1	<i>C8orf83</i>
ENSG00000161888	0.1837	-0.6674	-0.7105	1	<i>SPC24</i>
ENSG00000141570	-0.7630	-0.9494	-1.1635	1	<i>CBX8</i>
ENSG00000144130	0.0594	-0.7759	-0.7451	1	<i>NT5DC4</i>
ENSG00000158402	0.0399	-0.4895	-0.5255	1	<i>CDC25C</i>
ENSG00000112186	-0.1957	-0.4237	-0.5274	1	<i>CAP2</i>
ENSG00000126749	-0.3525	-0.3720	-0.7936	1	<i>EMG1</i>
ENSG00000198746	0.4739	0.3326	0.3326	1	<i>GPATCH3</i>
ENSG00000197935	-0.0206	-0.3981	-0.5697	1	<i>ZNF311</i>
ENSG00000117632	0.4804	-0.2263	-0.3996	1	<i>STMN1</i>
ENSG00000161277	0.0540	-0.5577	-0.5905	1	<i>THAP8</i>
ENSG00000139531	-0.4803	-0.8660	-1.1763	1	<i>SUOX</i>
ENSG00000124098	-0.0242	-0.6781	-0.8408	1	<i>C20orf108</i>
ENSG00000121903	-0.0775	-0.1783	-0.5315	1	<i>ZSCAN20</i>
ENSG00000205065	-0.2462	-0.2801	-1.2801	1	<i>AC024941.30</i>
ENSG00000091106	-0.0961	-0.7414	-0.7414	1	<i>NLRC4</i>
ENSG00000185885	-0.1359	-0.7478	-0.7478	1	<i>IFITM1</i>
ENSG00000164845	-0.4458	-0.6314	-0.7188	1	<i>AC068020.7-201</i>
ENSG00000140795	-0.0887	-0.7527	-0.7331	1	<i>MYLK3</i>
ENSG00000183508	-0.0104	-0.0457	-0.6325	1	<i>FAM46C</i>
ENSG00000076555	-0.2366	-0.9449	-0.9414	1	<i>ACACB</i>
ENSG00000011021	-0.0031	-0.4397	-0.7177	1	<i>CLCN6</i>
ENSG00000187187	0.1468	-0.2768	-0.5427	1	<i>ZNF546</i>
ENSG00000115211	0.4879	0.3973	0.0687	1	<i>EIF2B4</i>
ENSG00000171148	0.1200	-0.6017	-0.6145	1	<i>TADA3L</i>
ENSG00000100147	0.0539	-0.5146	-0.6374	1	<i>CCDC134</i>
ENSG00000100078	0.6401	-1.5663	-1.4594	1	<i>PLA2G3</i>
ENSG00000076770	-0.2763	-0.4397	-0.9558	1	<i>MBNL3</i>
ENSG00000128833	0.1426	-0.5586	-0.5751	1	<i>MYO5C</i>
ENSG00000131779	0.7264	-0.1375	-0.1089	1	<i>PEX11B</i>
ENSG00000182010	-0.2405	-0.3677	-0.5294	1	<i>PLEKHK1</i>
ENSG00000166922	0.1128	-0.6575	-0.7187	1	<i>SCG5</i>
ENSG00000122512	-0.2077	-0.3868	-0.6648	1	<i>PMS2</i>
ENSG00000164978	0.2293	-0.2479	-0.5475	1	<i>NUDT2</i>
ENSG00000129055	0.1483	-0.2601	-0.6226	1	<i>ANAPC13</i>
ENSG00000068489	0.1759	-0.9402	-0.9256	1	<i>PRR11</i>
ENSG00000122952	-0.0171	-0.1426	-0.9831	1	<i>ZWINT</i>
ENSG00000168077	-0.3180	-0.4590	-0.7690	1	<i>SCARA3</i>

ENSG00000134690	0.2334	-0.6006	-0.7932	1	<i>CDC48</i>
ENSG00000104783	0.3884	-0.5502	-0.6027	1	<i>KCNN4</i>
ENSG00000108465	0.1024	-0.4826	-0.6280	1	<i>CDK5RAP3</i>
ENSG00000158201	-0.1643	-0.2235	-0.5866	1	<i>ABHD3</i>
ENSG00000139428	0.0065	-0.8415	-0.9134	1	<i>MMAB</i>
ENSG00000121152	0.0487	-0.2810	-0.5195	1	<i>NCAPH</i>
ENSG00000169174	-0.3774	-0.7262	-0.8248	1	<i>PCSK9</i>
ENSG00000205160	0.0621	-0.7799	-1.0815	1	<i>AC005726.1-204</i>
ENSG00000148773	-0.0168	-1.0708	-1.2435	1	<i>MKI67</i>
ENSG00000089127	-0.2286	-0.6006	-0.5912	1	<i>OAS1</i>
ENSG00000131473	-0.2807	-0.4346	-0.7256	1	<i>ACLY</i>
ENSG00000156509	-0.0687	-0.3219	-0.8413	1	<i>FBXO43</i>
ENSG00000126787	-0.1113	-0.4764	-0.5324	1	<i>DLGAP5</i>
ENSG00000157306	0.2065	-0.4988	-0.6648	1	<i>THTPA</i>
ENSG00000214388	-0.4514	-0.5115	-0.8566	1	<i>AC099521.2</i>
ENSG00000139354	-0.3485	-0.5364	-0.6049	1	<i>GAS2L3</i>
ENSG00000170889	-0.1731	-0.2547	-0.5978	1	<i>RPS9</i>
ENSG00000130164	-0.2770	-0.8489	-1.1144	1	<i>LDLR</i>
ENSG00000129484	-0.2916	-0.3149	-0.6875	1	<i>PARP2</i>
ENSG00000125843	0.5334	0.0375	-0.2035	1	<i>C20orf29</i>
ENSG00000172476	-0.1118	-1.1021	-1.5236	1	<i>RAB40A</i>
ENSG00000081791	-0.0309	-0.4397	-0.6159	1	<i>KIAA0141</i>
ENSG00000163521	0.0332	-0.1409	-0.6449	1	<i>GLB1L</i>
ENSG00000177565	-0.1616	-0.2510	-0.5866	1	<i>TBL1XR1</i>
ENSG00000161800	0.0134	-0.5649	-0.7265	1	<i>RACGAP1</i>
ENSG00000105771	0.2399	-0.4014	-0.5108	1	<i>C19orf61</i>
ENSG00000137804	0.2273	-0.8977	-1.0229	1	<i>NUSAP1</i>
ENSG00000162757	-0.5334	-0.6939	-0.9740	1	<i>C1orf74</i>
ENSG00000171792	-0.0765	-0.3733	-0.5872	1	<i>C12orf32</i>
ENSG00000205464	-0.0806	-0.5218	-0.5827	1	<i>AC010598.6</i>
ENSG00000185453	0.0217	-0.6055	-0.6441	1	<i>C19orf68</i>
ENSG00000164611	-0.4150	-0.9801	-1.3626	1	<i>PTTG1</i>
ENSG00000198830	0.0348	-0.6571	-0.8340	1	<i>HMGN2</i>
ENSG00000182224	0.1451	-0.3906	-0.6272	1	<i>CYB5D1</i>
ENSG00000169021	0.3466	-0.0731	-0.5585	1	<i>UQCRRF51</i>
ENSG00000186812	0.1927	0.0000	-0.6030	1	<i>ZNF397</i>
ENSG00000136108	0.1150	-0.2770	-0.6298	1	<i>CKAP2</i>
ENSG00000087191	0.5074	-0.0987	-0.0734	1	<i>PSMC5</i>
ENSG00000150995	-0.2522	-0.2680	-0.7116	1	<i>ITPR1</i>
ENSG00000204228	-0.2587	-0.3657	-0.6067	1	<i>HSD17B8</i>
ENSG00000118193	0.0384	-0.4240	-0.6046	1	<i>KIF14</i>
ENSG00000143624	0.0025	-0.2819	-0.5175	1	<i>INTS3</i>
ENSG00000164011	-0.1414	-0.2176	-0.6439	1	<i>ZNF691</i>
ENSG00000108106	0.2955	-0.8239	-0.8574	1	<i>UBE2S</i>
ENSG00000162735	0.5709	0.2324	0.0684	1	<i>PEX19</i>
ENSG00000204438	0.2801	-0.5097	-0.6374	1	<i>BAT4</i>
ENSG00000145386	0.5222	0.2667	-0.2098	1	<i>CCNA2</i>
ENSG00000116663	-0.1083	-0.7312	-0.8515	1	<i>FBXO6</i>
ENSG00000168701	0.0199	-0.6464	-0.8845	1	<i>TMEM208</i>
ENSG00000141294	0.1520	-0.5850	-1.0000	1	<i>LRRC46</i>
ENSG00000188372	-0.4538	-0.5729	-0.8390	1	<i>ZP3</i>
ENSG00000175567	0.0685	-0.2646	-0.5656	1	<i>UCP2</i>
ENSG00000187624	-0.3448	-0.4809	-0.5793	1	<i>C17orf97</i>
ENSG00000080986	-0.0520	-0.6668	-1.2073	1	<i>KNTC2</i>
ENSG00000137337	-0.0603	-0.5188	-0.5654	1	<i>MDC1</i>
ENSG00000114770	0.0685	-0.4617	-0.5277	1	<i>ABCC5</i>
ENSG00000174840	0.7936	0.6781	0.5525	1	<i>PDE12</i>
ENSG00000121716	-0.0046	-0.3658	-0.5736	1	<i>PILRB</i>
ENSG00000089063	-0.0245	-0.2510	-0.6854	1	<i>C20orf30</i>
ENSG00000100462	-0.1792	-0.2277	-0.5131	1	<i>PRMT5</i>
ENSG00000197056	0.0489	-0.2045	-0.5975	1	<i>ZMYM1</i>
ENSG00000112742	-0.2336	-0.4523	-0.6562	1	<i>TTK</i>

ENSG00000177981	0.0652	-0.2579	-0.5646	1	<i>ASB8</i>
ENSG00000089685	0.1821	-0.8087	-0.8459	1	<i>BIRC5</i>
ENSG00000168679	0.0376	-0.4321	-0.6005	1	<i>SLC16A4</i>
ENSG00000143748	-0.3895	-0.6325	-0.8015	1	<i>NVL</i>
ENSG00000213709	0.0845	-0.8931	-0.9026	1	<i>C6orf26</i>
ENSG00000112983	0.0188	-0.5423	-0.6571	1	<i>BRD8</i>
ENSG00000142945	0.0058	-1.2179	-1.2826	1	<i>KIF2C</i>
ENSG00000108439	0.0000	-0.4218	-0.7747	1	<i>PNPO</i>
ENSG00000115107	-0.2141	-0.4909	-0.5230	1	<i>STEAP3</i>
ENSG00000198901	0.0808	-0.5884	-0.6037	1	<i>PRC1</i>
ENSG00000217829	0.0000	-0.9005	-0.9661	1	<i>RP11-263K19.9</i>
ENSG00000091136	-0.3163	-0.3459	-0.6149	1	<i>LAMB1</i>
ENSG00000072571	0.0755	-0.4397	-0.5488	1	<i>HMMR</i>
ENSG00000129173	-0.0444	-0.2297	-0.5850	1	<i>E2F8</i>
ENSG00000196407	0.2106	-0.3091	-0.5146	1	<i>THEM5</i>
ENSG00000128928	-0.0616	-0.6043	-0.6726	1	<i>IVD</i>
ENSG00000103037	0.0000	-0.2895	-0.5119	1	<i>SETD6</i>
ENSG00000184661	0.1296	-0.7803	-0.8465	1	<i>CDCA2</i>
ENSG00000108515	-0.3350	-0.3850	-0.7721	1	<i>ENO3</i>
ENSG00000169679	-0.0188	-0.8662	-0.9722	1	<i>BUB1</i>
ENSG00000186815	0.0710	-0.6259	-0.7695	1	<i>AC010178.40-202</i>
ENSG00000164898	0.3819	-0.2200	-0.5208	1	<i>C7orf55</i>
ENSG00000183403	0.0544	0.0275	-0.6561	1	<i>DND1</i>
ENSG00000205533	0.1237	-0.2332	-0.7085	1	<i>AL161662.6</i>
ENSG00000140534	-0.0904	-0.4731	-0.8446	1	<i>C15orf42</i>
ENSG00000160051	0.0704	-0.4150	-0.7072	1	<i>IQCC</i>
ENSG00000166902	-0.2863	-0.3771	-0.5353	1	<i>MRPL16</i>
ENSG00000117650	0.2141	-0.4178	-0.9434	1	<i>NEK2</i>
ENSG00000123485	0.2183	-0.9906	-1.0286	1	<i>HJURP</i>
ENSG00000186205	-0.1743	-0.3806	-0.5252	1	<i>MOSCI</i>
ENSG00000214450	0.1170	-0.7044	-0.8856	1	<i>AC005180.3</i>
ENSG00000135924	0.0000	-0.6332	-0.6041	1	<i>DNAJB2</i>
ENSG00000137807	0.0938	-0.5331	-0.6637	1	<i>KIF23</i>
ENSG00000187951	-0.1426	-0.5639	-0.7441	1	<i>ARHGAP11B</i>
ENSG00000214708	0.0000	-0.2150	-0.5961	1	<i>AC090616.2</i>
ENSG00000173295	-0.5510	-0.7105	-1.0000	1	<i>AC068020.7-202</i>
ENSG00000100439	0.2874	-0.0114	-0.5457	1	<i>ABHD4</i>
ENSG00000198455	-0.2775	-0.5319	-0.7370	1	<i>ZXDB</i>
ENSG00000186666	0.1736	-0.4172	-0.5751	1	<i>BCDIN3D</i>
ENSG00000087586	-0.0490	-0.8843	-1.4254	1	<i>AURKA</i>
ENSG00000130349	0.0254	-0.4885	-0.5697	1	<i>C6orf203</i>
ENSG00000204227	0.2494	-0.4425	-0.5986	1	<i>RING1</i>
ENSG00000162636	-0.3978	-0.4377	-0.8475	1	<i>FAM102B</i>
ENSG00000129195	-0.1901	-1.3399	-1.3399	1	<i>FAM64A</i>
ENSG00000066279	-0.0887	-0.6875	-0.9506	1	<i>ASPM</i>
ENSG00000166133	0.0614	-0.4361	-0.5463	1	<i>RPUSD2</i>
ENSG00000156970	-0.1966	-0.4364	-0.7424	1	<i>BUB1B</i>
ENSG00000167842	0.1089	-0.3149	-0.6501	1	<i>MIS12</i>
ENSG00000024526	-0.1808	-0.3967	-0.8117	1	<i>DEPDC1</i>
ENSG00000109805	-0.0234	-0.1412	-0.5461	1	<i>HCAP-G</i>
ENSG00000137496	0.2876	-0.8780	-0.9582	1	<i>ILI8BP</i>
ENSG00000181619	-0.1926	-0.2171	-0.8113	1	<i>GPR135</i>
ENSG00000129347	-0.0795	-0.5361	-0.5522	1	<i>KRII</i>
ENSG00000204576	-0.1830	-0.2962	-0.6757	1	<i>PRR3</i>
ENSG00000175063	-0.1871	-0.6703	-1.3268	1	<i>UBE2C</i>
ENSG00000182307	-0.1967	-0.3686	-0.6280	1	<i>C8orf33</i>
ENSG00000196812	-0.1363	-0.6453	-1.0238	1	<i>ZNF435</i>
ENSG00000165516	0.0000	-0.6118	-0.6800	1	<i>KLHDC2</i>
ENSG00000123975	-0.0515	-0.3518	-0.7314	1	<i>CKS2</i>
ENSG00000071889	-0.0267	-0.5784	-0.7458	1	<i>FAM3A</i>
ENSG00000138180	0.1127	-0.4032	-0.5448	1	<i>CEP55</i>
ENSG00000079435	-0.4367	-0.6681	-0.6738	1	<i>LIPE</i>

ENSG00000168612	-0.1722	-0.7370	-0.7984	1	<i>ZSWIM1</i>
ENSG00000175097	0.0231	-0.4306	-0.6323	1	<i>RAG2</i>
ENSG00000162913	-0.1177	-0.5806	-0.7312	1	<i>C1orf145</i>
ENSG00000130734	0.0667	-0.5429	-0.5182	1	<i>ATG4D</i>
ENSG00000198518	-0.0386	-0.1981	-0.6835	1	<i>HIST1H4E</i>
ENSG00000198826	-0.0641	-0.4575	-0.7687	1	<i>ARHGAP11A</i>
ENSG00000220323	-0.0825	-0.3342	-0.5717	1	<i>HIST1H2BN</i>
ENSG00000077152	-0.3383	-0.4994	-0.6883	1	<i>UBE2T</i>
ENSG00000184314	-0.1987	-0.8943	-0.9421	1	<i>AC084018.28-201</i>
ENSG00000175536	-0.1927	-0.6015	-0.6781	1	<i>AP001372.4</i>
ENSG00000111206	-0.0542	-1.1775	-1.5255	1	<i>FOXMI</i>
ENSG00000214756	-0.3350	-0.6245	-0.7721	1	<i>AP001458.6</i>
ENSG00000132330	-0.2093	-0.2987	-0.6879	1	<i>SCLY</i>
ENSG00000156521	-0.0164	-0.6152	-0.6490	1	<i>TYSND1</i>
ENSG00000135547	-0.0275	-0.5884	-0.6090	1	<i>HEY2</i>
ENSG00000140365	0.2134	-0.3012	-0.5236	1	<i>COMMD4</i>
ENSG00000132692	-0.0989	-0.3889	-0.6379	1	<i>BCAN</i>
ENSG00000134057	0.1448	-1.1771	-1.1771	1	<i>CCNB1</i>
ENSG00000129255	0.1491	-0.5921	-0.5708	1	<i>MPDU1</i>
ENSG00000169314	-0.3160	-0.4072	-0.6088	1	<i>C22orf15</i>
ENSG00000127920	-0.5475	-0.7454	-1.0255	1	<i>GNGL1</i>
ENSG00000131050	-0.2048	-0.7655	-0.3595	2	<i>C20orf70</i>
ENSG00000137198	1.4128	-0.1676	1.1084	2	<i>GMPR</i>
ENSG00000155893	1.4037	0.3740	1.7745	2	<i>ACPL2</i>
ENSG00000163803	0.5034	-0.2626	0.4213	2	<i>PLB1</i>
ENSG00000116574	0.8685	0.1355	0.7172	2	<i>RHOU</i>
ENSG00000135116	1.4493	-0.3081	1.3275	2	<i>HRK</i>
ENSG00000013364	0.5391	-0.2331	0.4544	2	<i>MVP</i>
ENSG00000204531	0.5999	0.0224	0.6147	2	<i>POU5F1</i>
ENSG00000143318	-0.3993	-0.7264	-0.2040	2	<i>CASQ1</i>
ENSG00000128016	2.0418	1.1793	2.7263	2	<i>ZFP36</i>
ENSG00000128309	0.6453	-0.3005	0.3776	2	<i>MPST</i>
ENSG00000163486	0.6742	-0.1289	0.5312	2	<i>SRGAP2</i>
ENSG00000139132	1.1675	-0.0701	0.8057	2	<i>FGD4</i>
ENSG00000104081	0.2132	-0.6222	-0.0092	2	<i>BMF</i>
ENSG00000132026	0.6521	-0.3155	0.4021	2	<i>RTBDN</i>
ENSG00000068079	0.4731	0.0424	0.6888	2	<i>IFI35</i>
ENSG00000163171	0.9736	0.1299	1.0361	2	<i>CDC42EP3</i>
ENSG00000166833	0.8500	0.3274	1.2484	2	<i>NAV2</i>
ENSG00000169094	-0.1368	-0.6479	-0.1368	2	<i>PLEKHQ1</i>
ENSG00000148218	-0.1520	-0.6590	0.1375	2	<i>ALAD</i>
ENSG00000102796	0.5354	-0.3427	0.3283	2	<i>DHRS12</i>
ENSG00000134324	1.6980	-0.0428	1.4257	2	<i>LPIN1</i>
ENSG00000135362	1.1896	-0.1487	0.8243	2	<i>AC009656.11</i>
ENSG00000131370	0.8634	0.2357	0.8339	2	<i>SH3BP5</i>
ENSG00000146674	-0.7254	-0.8667	-0.7063	2	<i>IGFBP3</i>
ENSG00000112149	0.9106	0.6612	0.9166	2	<i>CD83</i>
ENSG00000099860	1.2479	-0.4975	1.0297	2	<i>GADD45B</i>
ENSG00000082641	0.7710	-0.0915	0.6029	2	<i>NFE2L1</i>
ENSG00000086062	0.9607	0.4052	1.0988	2	<i>B4GALT1</i>
ENSG00000167772	1.0555	-0.3870	0.9569	2	<i>ANGPTL4</i>
ENSG00000137868	0.7611	-0.6157	0.4302	2	<i>STRA6</i>
ENSG00000163590	0.5481	-0.0344	0.4623	2	<i>PPM1L</i>
ENSG00000164674	0.7185	-0.0465	0.5358	2	<i>SYTL3</i>
ENSG00000008323	0.7342	-0.0620	0.6769	2	<i>PLEKHG6</i>
ENSG00000166126	0.9849	-0.3370	0.8074	2	<i>AMN</i>
ENSG00000136378	1.4385	-0.4016	1.0594	2	<i>ADAMTS7</i>
ENSG00000204634	0.7529	-0.1066	0.5607	2	<i>TBC1D8</i>
ENSG00000137486	0.5410	-0.3890	0.2700	2	<i>ARRB1</i>
ENSG00000163885	0.4594	-0.0645	0.5546	2	<i>CCDC37</i>
ENSG00000149792	-0.3187	-0.8171	-0.4021	2	<i>MRPL49</i>
ENSG00000137713	1.0592	0.3110	0.9751	2	<i>PPP2R1B</i>

ENSG00000163995	0.8464	-0.0980	0.7572	2	<i>ABLM2</i>
ENSG00000127954	0.9224	0.6609	0.9605	2	<i>STEAP4</i>
ENSG00000165887	0.1444	-0.7119	0.1850	2	<i>ANKRD2</i>
ENSG00000124357	0.6421	0.3307	0.7238	2	<i>NAGK</i>
ENSG00000119686	0.2651	0.0124	0.5154	2	<i>FLVCR2</i>
ENSG00000215293	0.7263	-0.0322	0.5273	2	<i>AC103779.5</i>
ENSG00000157514	1.4747	-0.5377	1.0209	2	<i>TSC22D3</i>
ENSG00000179528	0.5742	-0.0995	0.5525	2	<i>LBX2</i>
ENSG00000102904	-0.3638	-0.7026	-0.3090	2	<i>TSNAXIP1</i>
ENSG00000104419	1.0748	-0.6622	1.0561	2	<i>NDRG1</i>
ENSG00000215065	0.5949	0.2436	0.7964	2	<i>AL391137.11-203</i>
ENSG00000124440	1.3920	0.0114	1.0394	2	<i>HIF3A</i>
ENSG00000203865	0.5526	0.2763	0.6680	2	<i>AL136376.10</i>
ENSG00000158423	0.4854	-0.0242	0.3785	2	<i>RIBC1</i>
ENSG00000171621	0.4466	-0.0538	0.7032	2	<i>SPSB1</i>
ENSG00000214762	0.9918	0.4218	1.4854	2	<i>AC040970.7</i>
ENSG00000102934	0.6432	-0.3386	0.7202	2	<i>PLLP</i>
ENSG00000137413	0.6076	-0.2511	0.3903	2	<i>TAF8</i>
ENSG00000007255	0.6711	-0.5780	0.5989	2	<i>TRAPPC6A</i>
ENSG00000136286	0.9556	0.2955	1.0952	2	<i>MYO1G</i>
ENSG00000158246	1.7270	-0.1856	1.6734	2	<i>FAM46B</i>
ENSG00000198728	-0.1927	-0.7437	-0.1927	2	<i>LDB1</i>
ENSG00000197405	0.4683	-0.0553	0.6521	2	<i>C5AR1</i>
ENSG00000151208	0.7154	-0.3973	0.5730	2	<i>DLG5</i>
ENSG00000130147	-0.1023	-0.7330	-0.2004	2	<i>SH3BP4</i>
ENSG00000170485	0.5482	-0.1733	0.4032	2	<i>NPAS2</i>
ENSG00000173065	0.8228	0.1084	0.8442	2	<i>C17orf63</i>
ENSG00000134463	0.3569	-0.0385	0.5247	2	<i>ECHDC3</i>
ENSG00000204157	1.9175	-0.0995	2.0780	2	<i>C1orf225</i>
ENSG00000159216	0.5432	0.0842	0.5945	2	<i>RUNX1</i>
ENSG00000170145	0.5471	0.2568	0.6273	2	<i>SNF1LK2</i>
ENSG00000102931	0.6568	-0.1229	0.8570	2	<i>ARL2BP</i>
ENSG00000008283	0.2904	-0.0802	0.6298	2	<i>CYB561</i>
ENSG00000111331	-0.2288	-0.6319	-0.0669	2	<i>OAS3</i>
ENSG00000049239	0.7045	0.2361	1.0576	2	<i>H6PD</i>
ENSG00000106351	0.5641	-0.1379	0.5113	2	<i>AGFG2</i>
ENSG00000102996	0.1262	-0.6323	-0.0235	2	<i>MMP15</i>
ENSG00000162641	0.4992	0.1198	0.4049	2	<i>C1orf62</i>
ENSG00000154556	0.4798	0.0851	0.3883	2	<i>SORBS2</i>
ENSG00000064489	0.1602	-1.0364	-0.0630	2	<i>MEF2B</i>
ENSG00000125734	0.2176	-0.2765	0.5163	2	<i>GPR108</i>
ENSG00000176472	0.3165	-0.8699	0.1050	2	<i>ZNF575</i>
ENSG00000087266	0.5490	0.1384	0.9255	2	<i>SH3BP2</i>
ENSG00000122386	0.4066	0.2176	0.5961	2	<i>ZNF205</i>
ENSG00000006047	0.5525	-0.7914	0.6167	2	<i>YBX2</i>
ENSG00000128346	-0.2601	-0.7419	-0.1242	2	<i>C22orf23</i>
ENSG00000008853	0.7025	0.2577	1.0027	2	<i>RHOBTB2</i>
ENSG00000213578	0.4829	-0.7603	0.1641	2	<i>CPLX3</i>
ENSG00000130787	0.6848	-0.0235	0.4888	2	<i>HIP1R</i>
ENSG00000161638	1.0303	0.1651	0.8816	2	<i>ITGA5</i>
ENSG00000184602	0.2884	-0.6909	0.0253	2	<i>SNN</i>
ENSG00000106948	0.5279	-0.2057	0.6460	2	<i>AKNA</i>
ENSG00000139266	-0.3132	-0.7726	-0.4034	2	<i>MARCH9</i>
ENSG00000100243	0.4619	-0.3356	0.6355	2	<i>CYB5R3</i>
ENSG00000124942	0.7394	-0.4167	0.7653	2	<i>AHNAK</i>
ENSG00000196557	0.6772	-0.0289	1.1967	2	<i>CACNA1H</i>
ENSG00000104880	0.5122	-0.1711	0.4856	2	<i>ARHGEF18</i>
ENSG00000126934	0.4029	0.0377	0.5827	2	<i>MAP2K2</i>
ENSG00000147437	0.8163	-0.1313	0.8688	2	<i>GNRH1</i>
ENSG00000138606	-0.1759	-0.6602	-0.2527	2	<i>SHF</i>
ENSG00000143127	1.0645	-0.1913	0.8667	2	<i>ITGA10</i>
ENSG00000115129	0.6823	0.1283	0.6290	2	<i>TP53I3</i>

ENSG00000172006	-0.2237	-0.6598	-0.3162	2	<i>ZNF554</i>
ENSG00000135519	-0.4109	-0.7514	-0.3547	2	<i>KCNH3</i>
ENSG00000100012	0.5415	-0.0583	0.5117	2	<i>SEC14L3</i>
ENSG00000164081	-0.0447	-0.6847	-0.1205	2	<i>TEX264</i>
ENSG00000196517	0.2895	-0.0837	0.5639	2	<i>SLC6A9</i>
ENSG00000137857	-0.0650	-0.8608	-0.1331	2	<i>DUOX1</i>
ENSG00000082497	-0.1766	-0.6220	-0.2380	2	<i>SERTAD4</i>
ENSG00000123159	0.5611	-0.5909	0.2291	2	<i>GIPC1</i>
ENSG00000100033	1.7721	-1.1793	0.9427	2	<i>PRODH</i>
ENSG00000145569	1.3457	-0.3128	1.1507	2	<i>FAM105A</i>
ENSG00000100141	0.8462	0.3080	0.9587	2	<i>PISD</i>
ENSG00000167779	-0.4245	-0.9720	-0.0875	2	<i>IGFBP6</i>
ENSG00000167508	-0.3986	-0.7536	-0.4250	2	<i>MVD</i>
ENSG00000140368	0.0000	-0.6360	0.1489	2	<i>PSTPIP1</i>
ENSG00000213639	0.4696	0.3224	0.6220	2	<i>PPP1CB</i>
ENSG00000025293	0.7465	0.1686	0.7491	2	<i>PHF20</i>
ENSG00000177469	0.4925	0.1605	0.6314	2	<i>PTRF</i>
ENSG00000154217	1.4596	0.4360	1.5237	2	<i>PITPNC1</i>
ENSG00000132589	0.4138	0.0575	0.7023	2	<i>FLOT2</i>
ENSG00000170921	0.5819	0.3356	0.6323	2	<i>TANC2</i>
ENSG00000163263	-0.1623	-0.6239	0.1178	2	<i>C1orf189</i>
ENSG00000186364	1.0385	-0.1651	0.8349	2	<i>NUDT17</i>
ENSG00000105245	-0.0797	-0.7489	-0.2535	2	<i>NUMBL</i>
ENSG00000148426	0.8074	0.0402	0.6037	2	<i>C10orf47</i>
ENSG00000107554	0.8690	0.0204	0.8128	2	<i>DNMBP</i>
ENSG00000100311	0.0198	-0.7172	0.0329	2	<i>PDGFB</i>
ENSG00000135477	1.5521	-0.2095	1.6266	2	<i>AC021066.37</i>
ENSG00000113719	0.7479	-0.1891	0.6843	2	<i>ERGIC1</i>
ENSG00000081760	1.1341	-0.3031	0.8634	2	<i>AACS</i>
ENSG00000126464	0.0037	-0.6391	-0.1262	2	<i>PRR12</i>
ENSG00000128298	0.5296	-0.3861	0.3443	2	<i>BAIAP2L2</i>
ENSG00000163399	0.6794	0.3592	0.6640	2	<i>ATP1A1</i>
ENSG00000198752	0.6837	-0.3900	0.6937	2	<i>CDC42BPB</i>
ENSG00000149596	0.8291	-0.4802	1.0056	2	<i>JPH2</i>
ENSG00000036672	0.7608	-0.6153	0.3692	2	<i>USP2</i>
ENSG00000197375	0.7917	-0.1371	0.9078	2	<i>SLC22A5</i>
ENSG00000141401	0.8453	-0.0228	0.9573	2	<i>IMPA2</i>
ENSG00000147465	0.2090	-0.9449	-0.1170	2	<i>STAR</i>
ENSG00000075426	1.3704	0.3123	1.3183	2	<i>FOSL2</i>
ENSG00000167186	-0.1118	-0.6305	-0.2224	2	<i>COQ7</i>
ENSG00000103363	0.6220	0.1678	0.8365	2	<i>AC092117.4-201</i>
ENSG00000164051	-0.4150	-0.8911	-0.4340	2	<i>CCDC51</i>
ENSG00000107372	0.8472	-0.0105	0.7467	2	<i>ZFAND5</i>
ENSG00000168884	0.5688	0.1592	0.9635	2	<i>TNIP2</i>
ENSG00000148356	0.1128	-0.7004	0.0283	2	<i>LRSAM1</i>
ENSG00000158008	0.6022	-0.8515	0.7645	2	<i>EXTL1</i>
ENSG00000099889	-0.1612	-0.7634	-0.1958	2	<i>ARVCF</i>
ENSG00000067082	1.1856	-0.4355	1.2849	2	<i>COPEB</i>
ENSG00000104756	0.9033	0.3513	0.9362	2	<i>KCTD9</i>
ENSG00000022567	1.7655	-1.0381	1.7357	2	<i>SLC45A4</i>
ENSG00000172071	1.3398	0.0191	1.3012	2	<i>EIF2AK3</i>
ENSG00000177963	0.1333	-0.6688	-0.0716	2	<i>RIC8A</i>
ENSG00000169871	0.6280	-0.0444	0.7105	2	<i>TRIM56</i>
ENSG00000174516	0.5298	-0.3680	0.6071	2	<i>PELI3</i>
ENSG00000167535	-0.1609	-0.6492	-0.0887	2	<i>CACNB3</i>
ENSG00000197355	-0.0661	-0.7807	-0.0437	2	<i>UAP1L1</i>
ENSG00000100151	0.4758	-0.1616	0.3466	2	<i>PICK1</i>
ENSG00000168495	-0.2937	-0.7454	-0.2937	2	<i>POLR3D</i>
ENSG00000153885	-0.1887	-0.6442	-0.2270	2	<i>KCTD15</i>
ENSG00000197852	0.3440	-0.7134	0.0545	2	<i>C1orf183</i>
ENSG00000137218	0.0000	-0.6919	-0.1444	2	<i>FRS3</i>
ENSG00000042445	0.4481	0.0506	0.6189	2	<i>RETSAT</i>

ENSG00000149091	0.3410	-0.0489	0.5119	2	DGKZ
ENSG00000158292	2.0959	-0.0740	1.5360	2	GPR153
ENSG00000185186	0.7159	0.0586	1.1724	2	C21orf84
ENSG00000167767	-0.3182	-0.7581	-0.2862	2	KRT80
ENSG00000186174	0.8610	-0.1390	0.9283	2	BCL9L
ENSG00000168209	1.3477	-0.2585	1.3920	2	DDIT4
ENSG00000049449	0.4804	-0.0355	0.4292	2	RCN1
ENSG00000160226	0.0249	-0.8682	0.3144	2	C21orf2
ENSG00000188660	0.1927	-0.4053	0.5146	2	C21orf125
ENSG00000180447	1.0387	-0.3536	1.4422	2	GAS1
ENSG00000130717	0.1534	-0.2337	0.5159	2	UCK1
ENSG00000197562	0.0816	-0.8616	0.0097	2	RAB40C
ENSG00000115756	0.7700	0.1419	1.3133	2	HPCAL1
ENSG00000125753	0.0421	-0.8471	-0.0532	2	VASP
ENSG00000082014	-0.0502	-0.8554	-0.2655	2	SMARCD3
ENSG00000155850	1.1218	-0.0150	1.0658	2	SLC26A2
ENSG00000182585	1.5607	0.2630	1.2016	2	EPGN
ENSG00000155090	0.5959	-0.1557	0.4831	2	KLF10
ENSG00000141858	0.1050	-0.9730	0.1301	2	SAMD1
ENSG00000130812	-0.0534	-1.0809	-0.2115	2	ANGPTL6
ENSG00000169926	0.5098	-0.8220	0.4087	2	KLF13
ENSG00000184470	0.1783	-1.0279	0.0935	2	TXNRD2
ENSG00000221838	0.3219	-0.0525	0.5146	2	AP4MI
ENSG00000184557	-0.3058	-0.7478	0.0161	2	SOC3
ENSG00000170442	0.7754	-0.1220	0.5893	2	KRT86
ENSG00000170175	0.4992	-0.7697	0.2768	2	CHRNA1
ENSG00000168994	0.5581	-0.1073	0.5771	2	C6orf145
ENSG00000205036	-0.3466	-1.1756	-0.4352	2	C16orf85
ENSG00000006704	0.6744	-0.4130	0.4625	2	GTF2IRD1
ENSG00000135480	1.6040	-0.5539	1.2235	2	KRT7
ENSG0000014164	0.1507	-0.6363	0.0066	2	ZC3H3
ENSG00000102870	0.0041	-0.6388	-0.0880	2	ZNF629
ENSG00000101940	0.6584	-0.1051	0.5454	2	WDR13
ENSG00000173801	0.0918	-0.7228	-0.1378	2	JUP
ENSG00000127837	0.2224	-0.1829	0.5384	2	AAMP
ENSG00000141639	0.6187	-0.1980	0.3892	2	MAPK4
ENSG00000148841	1.2694	0.0888	0.9882	2	ITPR1
ENSG00000099958	-0.0208	-0.8074	-0.1751	2	DERL3
ENSG00000164050	0.0544	-1.1679	0.2133	2	PLXNB1
ENSG00000178752	0.2768	-0.1459	0.5850	2	FAM132B
ENSG00000204579	-0.0753	-0.6732	-0.1547	2	AP001888.4
ENSG00000063854	0.2905	-0.6271	0.4884	2	HAGH
ENSG00000167525	0.5039	-0.1915	0.4749	2	AC005726.8
ENSG00000063245	0.5232	-0.2497	0.3162	2	EPN1
ENSG00000170876	0.5038	-0.2910	0.2830	2	TMEM43
ENSG00000172425	0.3132	-0.1864	0.7885	2	TTC36
ENSG00000173846	0.6674	-0.2801	0.4044	2	PLK3
ENSG00000128165	1.0875	-0.1420	1.3038	2	ADM2
ENSG00000198835	0.2955	-1.0332	-0.0165	2	GJC2
ENSG00000167112	-0.0851	-0.7023	-0.1587	2	TRUB2
ENSG00000169689	0.4521	-0.8573	0.1941	2	STRA13
ENSG00000142235	0.3040	-0.7154	0.0976	2	LMTK3
ENSG00000120896	0.1561	-0.6863	0.1836	2	SORBS3
ENSG00000115286	0.5004	-0.4507	0.4369	2	NDUFS7
ENSG00000197483	-0.0352	-0.9827	-0.1656	2	ZNF628
ENSG00000129757	2.2801	0.0000	2.9740	2	CDKN1C
ENSG00000160271	0.2170	-0.8918	0.1384	2	RALGDS
ENSG00000105135	0.3875	-0.7240	0.0980	2	ILVBL
ENSG00000171298	-0.1957	-0.7085	-0.2587	2	GAA
ENSG00000168273	0.5200	-0.3704	0.3595	2	AC112215.3
ENSG00000221889	0.2429	-0.6974	0.0000	2	ALKBH6
ENSG00000152292	0.6497	-0.5257	0.3779	2	SH2D6

ENSG00000167394	0.0000	-0.6995	0.0226	2	<i>ZNF668</i>
ENSG00000112715	0.4701	0.0114	0.6842	2	<i>VEGF</i>
ENSG00000140675	-0.0297	-0.7818	0.1402	2	<i>SLC5A2</i>
ENSG00000131746	1.1375	-0.1310	1.1474	2	<i>TNS4</i>
ENSG00000159753	0.3561	-0.6439	0.1854	2	<i>RLTPR</i>
ENSG00000197586	0.3785	-0.0451	0.6711	2	<i>ENTPD6</i>
ENSG00000125657	-0.4611	-1.4060	-0.7279	2	<i>TNFSF9</i>
ENSG00000204859	-0.0570	-0.7075	0.0868	2	<i>ZBTB48</i>
ENSG00000129354	-0.3442	-1.0540	-0.5443	2	<i>AP1M2</i>
ENSG00000111775	-0.4150	-0.7936	-0.0566	2	<i>COX6A1</i>
ENSG00000187796	0.0163	-1.1375	0.0797	2	<i>CARD9</i>
ENSG00000105643	0.3244	-0.0906	0.5975	2	<i>ARRDC2</i>
ENSG00000100994	0.8421	0.0144	1.3152	2	<i>PYGB</i>
ENSG00000168528	-0.0118	-0.8340	-0.1612	2	<i>SERINC2</i>
ENSG00000173269	0.2311	-0.6903	0.0401	2	<i>MMRN2</i>
ENSG00000074842	-0.0427	-0.6886	0.0618	2	<i>C19orf10</i>
ENSG00000100139	0.2973	-0.1998	0.7240	2	<i>MICALL1</i>
ENSG00000071894	0.1866	-0.6268	0.1745	2	<i>CPSF1</i>
ENSG00000145022	-0.4150	-0.7776	-0.2922	2	<i>TCTA</i>
ENSG00000106268	0.5000	-0.5680	0.2138	2	<i>NUDT1</i>
ENSG00000076944	0.6928	-0.6352	0.6304	2	<i>STXBP2</i>
ENSG00000178927	0.0534	-0.9730	0.1301	2	<i>C17orf62</i>
ENSG00000105972	0.2345	-0.7028	0.3720	2	<i>C7orf20</i>
ENSG00000155254	0.5958	0.0843	0.5521	2	<i>MARVELD1</i>
ENSG00000163126	0.5959	-0.6265	0.3350	2	<i>ANKRD23</i>
ENSG00000101255	-0.0119	-0.7019	-0.0299	2	<i>TRIB3</i>
ENSG00000103197	0.2722	-0.6992	0.1151	2	<i>TSC2</i>
ENSG00000198355	0.2309	-0.5790	0.6510	2	<i>PIM3</i>
ENSG00000172803	0.0000	-0.6845	0.1081	2	<i>SNX32</i>
ENSG00000130489	0.0539	-0.6268	0.2046	2	<i>SCO2</i>
ENSG00000162337	0.0295	-0.7014	-0.0707	2	<i>LRP5</i>
ENSG00000167103	-0.0978	-0.6453	0.0916	2	<i>PIP5KL1</i>
ENSG00000178188	0.0000	-0.7199	-0.1520	2	<i>SH2B1</i>
ENSG00000136877	0.0780	-0.7853	-0.1304	2	<i>FPGS</i>
ENSG00000083838	-0.3350	-0.9364	-0.4021	2	<i>ZNF446</i>
ENSG00000162241	0.4048	-0.4493	0.5782	2	<i>SLC25A45</i>
ENSG00000170291	0.4573	-0.1738	0.5239	2	<i>C17orf81</i>
ENSG00000104964	0.0393	-0.9036	-0.0405	2	<i>AES</i>
ENSG00000181885	0.0888	-0.8074	0.3803	2	<i>CLDN7</i>
ENSG00000142513	0.3355	-0.1847	0.5367	2	<i>ACPT</i>
ENSG00000171813	0.0401	-0.8521	0.1295	2	<i>PWWP2B</i>
ENSG00000169692	0.2583	-0.6280	0.3049	2	<i>AGPAT2</i>
ENSG00000068323	0.6374	0.0317	0.6027	2	<i>TFE3</i>
ENSG00000038358	0.4825	-0.1283	0.4227	2	<i>EDC4</i>
ENSG00000130762	0.3714	-0.3252	0.7710	2	<i>ARHGEF16</i>
ENSG00000215041	-0.0291	-0.6590	-0.1627	2	<i>AC026954.14</i>
ENSG00000105137	0.1781	-0.8692	0.1688	2	<i>SYDE1</i>
ENSG00000136997	-0.0505	-0.6499	-0.1511	2	<i>MYC</i>
ENSG00000177169	0.3660	-0.7184	0.3756	2	<i>ULK1</i>
ENSG00000149927	0.7936	-0.3833	0.6009	2	<i>DOC2A</i>
ENSG00000161243	0.1110	-0.8997	-0.1078	2	<i>FBXO27</i>
ENSG00000173442	0.3993	-0.4220	0.5135	2	<i>EHBP1L1</i>
ENSG00000131899	0.1263	-0.6296	0.0433	2	<i>LLGL1</i>
ENSG00000007384	0.2410	-0.6986	0.0780	2	<i>RHBDF1</i>
ENSG00000138834	0.2861	-0.7784	0.0504	2	<i>MAPK8IP3</i>
ENSG00000168890	0.1832	-0.7270	0.0298	2	<i>TMEM150</i>
ENSG00000167130	-0.3067	-1.0952	-0.3067	2	<i>DOLPP1</i>
ENSG00000100300	0.6492	-0.1417	0.8353	2	<i>TSPO</i>
ENSG00000179094	2.5909	-0.5070	2.0738	2	<i>PER1</i>
ENSG00000146054	-0.1125	-1.4150	-0.4312	2	<i>TRIM7</i>
ENSG00000100079	0.4150	-0.0473	0.5901	2	<i>LGALS2</i>
ENSG00000063660	0.4732	-0.5337	0.7965	2	<i>GPC1</i>

ENSG00000104883	0.5088	0.0906	0.8475	2	<i>PEX11G</i>
ENSG00000072818	0.2309	-0.7691	0.1182	2	<i>CENTB1</i>
ENSG00000177380	0.1935	-0.9094	-0.0967	2	<i>PPFIA3</i>
ENSG00000172081	0.6179	-0.4294	0.4079	2	<i>MOBKL2A</i>
ENSG00000130751	0.2415	-0.8596	-0.0390	2	<i>NPAS1</i>
ENSG00000104936	0.4943	-0.6867	0.3362	2	<i>DMPK</i>
ENSG00000103507	0.3390	-0.8122	0.1279	2	<i>BCKDK</i>
ENSG00000166188	0.5601	-0.6416	0.2692	2	<i>ZNF319</i>
ENSG00000166924	0.9359	-0.7162	1.2313	2	<i>C7orf51</i>
ENSG00000116741	0.2988	-0.0520	0.5107	2	<i>RGS2</i>
ENSG00000068137	0.0000	-0.8615	0.1486	2	<i>PLEKHH3</i>
ENSG00000167774	-0.2263	-0.8527	-0.1816	2	<i>NDUFA7</i>
ENSG00000175866	1.2902	-0.5976	0.9457	2	<i>BAIAP2</i>
ENSG00000112561	0.1543	-0.7476	-0.0982	2	<i>TFEB</i>
ENSG00000160949	-0.0380	-0.7354	0.0952	2	<i>NFKBIL2</i>
ENSG00000099949	0.0439	-0.6635	0.0315	2	<i>LZTR1</i>
ENSG00000012211	0.4468	-0.1048	0.7822	2	<i>PRICKLE3</i>
ENSG00000083444	-0.1168	-0.8771	-0.2759	2	<i>PLOD1</i>
ENSG00000167770	-0.0905	-0.8171	-0.0496	2	<i>OTUB1</i>
ENSG00000103200	0.1882	-0.8647	-0.0604	2	<i>NME4</i>
ENSG00000213977	0.3735	-0.0220	0.5178	2	<i>TAX1BP3</i>
ENSG00000130702	0.1473	-1.0088	-0.0766	2	<i>LAMA5</i>
ENSG00000176020	0.1021	-0.9620	-0.0995	2	<i>AMIGO3</i>
ENSG00000102901	-0.2671	-0.6903	-0.2918	2	<i>CENPT</i>
ENSG00000105671	-0.1420	-0.8503	-0.2585	2	<i>DDX49</i>
ENSG00000180448	0.5656	-0.5395	0.3741	2	<i>HMHA1</i>
ENSG00000099875	0.5747	-0.4253	0.4825	2	<i>MKNK2</i>
ENSG00000171401	0.6167	-1.0194	0.1806	2	<i>KRT13</i>
ENSG00000105443	0.0346	-1.1569	-0.0995	2	<i>CYTH2</i>
ENSG00000067829	-0.4787	-1.0171	-0.2801	2	<i>IDH3G</i>
ENSG00000163884	3.4342	-0.6554	2.3626	2	<i>KLF15</i>
ENSG00000142327	0.4854	-0.1751	0.3943	2	<i>RNPEPL1</i>
ENSG00000197150	0.0617	-0.6453	0.1282	2	<i>ABCB8</i>
ENSG00000169955	0.1412	-0.6329	0.1165	2	<i>ZNF747</i>
ENSG00000160972	0.1678	-0.8074	-0.0476	2	<i>PPP1R16A</i>
ENSG00000160221	0.2539	-0.6923	-0.0055	2	<i>C21orf33</i>
ENSG00000127585	0.7986	-0.7965	0.7526	2	<i>FBXL16</i>
ENSG00000205250	-0.0076	-0.6391	0.0955	2	<i>E2F4</i>
ENSG00000114554	0.0474	-0.7464	0.1084	2	<i>PLXNA1</i>
ENSG00000159069	0.2950	-0.6660	0.7634	2	<i>FBXW5</i>
ENSG00000006016	0.1064	-1.0563	-0.1938	2	<i>CRLF1</i>
ENSG00000105655	-0.0260	-1.5594	-0.0525	2	<i>ISYNA1</i>
ENSG00000142208	0.0426	-0.6155	0.5705	2	<i>AKT1</i>
ENSG00000168140	-0.1535	-0.9608	-0.1983	2	<i>VASN</i>
ENSG00000204231	0.3086	-0.7936	0.0651	2	<i>RXRβ</i>
ENSG00000146700	0.0348	-0.6641	-0.0583	2	<i>SRCRB4D</i>
ENSG00000130299	0.0332	-0.8116	-0.1043	2	<i>GTPBP3</i>
ENSG00000111328	0.2410	-0.1557	0.6174	2	<i>CDK2AP1</i>
ENSG00000175130	-0.4910	-1.0566	-0.6130	2	<i>MARCKSL1</i>
ENSG00000164403	0.4263	-0.6542	0.3099	2	<i>SHROOM1</i>
ENSG00000142552	0.6328	-0.1359	1.0000	2	<i>RCN3</i>
ENSG00000221850	0.1196	-1.0725	-0.2245	2	<i>GLI4</i>
ENSG00000158428	0.4021	-0.1255	0.7266	2	<i>C2orf62</i>
ENSG00000185100	0.2743	-1.1017	0.2929	2	<i>ADSSL1</i>
ENSG00000103335	0.3163	-1.0519	0.0908	2	<i>FAM38A</i>
ENSG00000113070	1.5590	-0.0129	1.1410	2	<i>HBEGF</i>
ENSG00000159840	-0.4400	-0.7508	-0.2516	2	<i>ZYX</i>
ENSG00000105321	0.6845	-0.7542	0.4176	2	<i>CCDC9</i>
ENSG00000174586	0.0520	-0.7909	-0.1243	2	<i>ZNF497</i>
ENSG00000056661	0.5523	-0.3177	0.4264	2	<i>PCGF2</i>
ENSG00000167716	0.0533	-0.6914	0.0239	2	<i>WDR81</i>
ENSG00000070423	0.3931	-0.1271	0.6584	2	<i>RNF126</i>

ENSG00000177943	0.5985	-0.0308	1.0839	2	<i>MAMDC4</i>
ENSG00000154832	0.0919	-0.6332	0.0189	2	<i>CXXC1</i>
ENSG00000100083	0.0992	-0.8209	-0.0701	2	<i>GGAI</i>
ENSG00000177045	0.0599	-0.8383	0.2154	2	<i>SIX5</i>
ENSG00000141574	0.4249	-1.0605	0.5784	2	<i>SECTM1</i>
ENSG00000117877	-0.2698	-1.0112	-0.1533	2	<i>CD3EAP</i>
ENSG00000158863	0.0319	-0.7623	-0.1835	2	<i>FAM160B2</i>
ENSG00000140859	-0.2965	-0.6287	-0.2495	2	<i>KIFC3</i>
ENSG00000115649	0.0748	-1.1283	0.1869	2	<i>C2orf24</i>
ENSG00000103266	0.1829	-0.9742	-0.1291	2	<i>STUB1</i>
ENSG00000165915	0.6186	-0.3074	0.7543	2	<i>SLC39A13</i>
ENSG00000221968	0.7132	-0.4582	1.0147	2	<i>FADS3</i>
ENSG00000186350	0.1799	-1.0928	-0.0505	2	<i>RXRA</i>
ENSG00000182376	0.0000	-0.7776	0.1155	2	<i>AC138028.1-201</i>
ENSG00000103260	0.5025	-0.8845	0.2051	2	<i>METRN</i>
ENSG00000179632	-0.1667	-1.0809	0.0515	2	<i>MAFI</i>
ENSG00000112514	0.2382	-0.4274	0.6215	2	<i>CUTA</i>
ENSG00000157911	0.6656	-0.2531	0.6231	2	<i>PEX10</i>
ENSG00000197539	0.3749	-0.8639	0.4809	2	<i>AC138028.1-202</i>
ENSG00000182979	-0.0671	-0.7432	-0.2007	2	<i>MTA1</i>
ENSG00000160447	0.2630	-0.8100	0.1229	2	<i>PKN3</i>
ENSG00000177021	0.0736	-0.8042	-0.0169	2	<i>LRRC24</i>
ENSG00000165912	0.0239	-1.0489	-0.2345	2	<i>PACSIN3</i>
ENSG00000172366	0.2959	-0.6206	0.0799	2	<i>C16orf14</i>
ENSG00000172638	0.2197	-0.9811	-0.0483	2	<i>EFEMP2</i>
ENSG00000175505	0.0258	-0.7070	0.0759	2	<i>CLCF1</i>
ENSG00000068028	0.0808	-0.6906	-0.0551	2	<i>RASSF1</i>
ENSG00000146670	-0.3426	-1.0118	-0.4996	2	<i>CDCA5</i>
ENSG00000182257	0.2382	-0.7308	0.1576	2	<i>C22orf26</i>
ENSG00000005884	-0.0268	-1.0506	-0.0679	2	<i>ITGA3</i>
ENSG00000003137	0.0258	-1.0395	-0.0131	2	<i>CYP26B1</i>
ENSG00000183018	-0.3057	-0.6501	0.0407	2	<i>SPNS2</i>
ENSG00000061273	0.3944	-1.0055	0.0217	2	<i>HDAC7</i>
ENSG00000006638	0.2175	-0.2046	0.5603	2	<i>TBXA2R</i>
ENSG00000160959	0.3707	-0.6222	0.1483	2	<i>LRRC14</i>
ENSG00000213015	0.7843	-0.1255	0.6374	2	<i>ZNF580</i>
ENSG000000007541	0.5156	-0.1580	0.6167	2	<i>PIGQ</i>
ENSG00000183048	0.0973	-0.7258	0.2176	2	<i>SLC25A10</i>
ENSG00000123933	0.0995	-0.9005	0.5266	2	<i>MXD4</i>
ENSG00000221848	-0.1625	-0.6287	-0.1625	2	<i>AC020931.6-202</i>
ENSG00000159692	0.2646	-0.6229	0.1885	2	<i>CTBP1</i>
ENSG00000162006	0.9709	-1.1441	0.4549	2	<i>MSLNL</i>
ENSG00000120129	2.0376	-0.2594	1.7149	2	<i>DUSP1</i>
ENSG00000100429	0.0351	-0.9084	0.0000	2	<i>HDAC10</i>
ENSG00000170892	0.2313	-1.0641	-0.0641	2	<i>TSEN34</i>
ENSG00000170638	0.1485	-0.7312	0.0000	2	<i>TRABD</i>
ENSG00000214193	0.1937	-0.8282	-0.0854	2	<i>C1orf113</i>
ENSG00000087077	0.1333	-1.0156	-0.1298	2	<i>TRIP6</i>
ENSG00000167977	0.4418	-0.4475	0.5525	2	<i>KCTD5</i>
ENSG00000105298	0.0277	-0.9139	0.2793	2	<i>C19orf29</i>
ENSG00000131037	0.3889	-1.1647	0.0709	2	<i>EPS8L1</i>
ENSG00000181085	0.3138	-0.8835	0.6073	2	<i>MAPK15</i>
ENSG00000008300	0.1105	-0.6280	0.2174	2	<i>CELSR3</i>
ENSG00000101187	0.9904	-0.8480	0.6762	2	<i>SLCO4A1</i>
ENSG00000177106	0.1600	-0.7156	0.1744	2	<i>EPS8L2</i>
ENSG00000161981	0.4713	-0.1019	0.3986	2	<i>SNRNP25</i>
ENSG00000104524	0.0885	-0.6456	-0.0370	2	<i>PYCRL</i>
ENSG00000102316	0.3536	-0.6464	0.4594	2	<i>MAGED2</i>
ENSG00000158710	-0.1573	-0.8511	-0.3044	2	<i>TAGLN2</i>
ENSG00000213213	0.1546	-1.4150	-0.0977	2	<i>AL355987.31</i>
ENSG00000106348	0.4721	-0.4099	0.4381	2	<i>IMPDH1</i>
ENSG00000179862	1.7843	-0.4695	1.2563	2	<i>CITED4</i>

ENSG00000179294	-0.1725	-0.6579	-0.1274	2	<i>C17orf96</i>
ENSG00000205643	0.0307	-1.0156	-0.1298	2	<i>C22orf40</i>
ENSG00000105327	0.3028	-0.3741	0.6020	2	<i>BBC3</i>
ENSG00000021762	1.1779	-0.6501	0.8484	2	<i>OSBPL5</i>
ENSG00000178951	0.3618	-0.5043	0.6135	2	<i>ZBTB7A</i>
ENSG00000102854	0.6797	-0.7776	0.7127	2	<i>MSLN</i>
ENSG00000105722	0.0515	-0.9569	-0.0995	2	<i>ERF</i>
ENSG00000075618	0.3632	-0.6413	0.3857	2	<i>FSCN1</i>
ENSG00000162069	0.2150	-0.4854	0.6684	2	<i>CCDC64B</i>
ENSG00000185650	0.3340	-0.5584	0.6138	2	<i>ZFP36L1</i>
ENSG00000160113	0.1392	-0.8266	0.1621	2	<i>NR2F6</i>
ENSG00000172828	0.8202	-0.6105	0.4667	2	<i>CES3</i>
ENSG00000176424	0.1146	-0.8314	-0.1375	2	<i>AL132661.32</i>
ENSG00000004799	3.1313	-0.0289	2.4293	2	<i>PDK4</i>
ENSG00000018280	0.2272	-0.5683	0.6181	2	<i>SLC11A1</i>
ENSG00000054148	0.6699	-0.2115	0.9835	2	<i>PHPT1</i>
ENSG00000185633	0.2026	-0.7293	0.4406	2	<i>NDUFA4L2</i>
ENSG00000172508	0.5291	-0.8119	0.2354	2	<i>ATPGD1</i>
ENSG00000102878	-0.3165	-1.1375	-0.0902	2	<i>HSF4</i>
ENSG00000184414	1.1864	-1.6101	0.7270	2	<i>AC069281.6-201</i>
ENSG00000205090	0.4005	-0.4739	0.5850	2	<i>C1orf70</i>
ENSG00000105612	0.5719	-1.2094	0.4630	2	<i>DNASE2</i>
ENSG00000160685	0.9859	-1.0189	0.4566	2	<i>ZBTB7B</i>
ENSG00000166140	0.4546	-0.6888	0.3641	2	<i>ZFYVE19</i>
ENSG00000148297	0.4918	0.1015	0.5850	2	<i>MED22</i>
ENSG00000128311	0.4662	-1.5277	-0.0948	2	<i>TST</i>
ENSG00000164078	0.2451	-0.7700	-0.0452	2	<i>MST1R</i>
ENSG00000146830	0.4176	-0.8745	0.2996	2	<i>GIGYF1</i>
ENSG00000111321	0.6515	-0.4518	0.5057	2	<i>LTBR</i>
ENSG00000168758	0.2495	-0.3785	0.5748	2	<i>SEMA4C</i>
ENSG00000165828	-0.1669	-1.1669	-0.2366	2	<i>PRAP1</i>
ENSG00000183386	0.8518	-0.6077	0.6795	2	<i>FHL3</i>
ENSG00000172216	0.4297	-0.2928	0.8282	2	<i>CEBPB</i>
ENSG00000099622	0.0563	-0.7117	-0.0454	2	<i>CIRBP</i>
ENSG00000184009	-0.4217	-0.7392	-0.5136	2	<i>ACTG1</i>
ENSG00000111640	-0.1052	-0.8658	-0.2928	2	<i>GAPDH</i>
ENSG00000179526	0.3695	-0.4334	0.5454	2	<i>SHARPIN</i>
ENSG00000110092	0.1025	-0.7049	-0.0358	2	<i>CCND1</i>
ENSG00000172270	0.2756	-0.6899	0.1444	2	<i>BSG</i>
ENSG00000158792	0.1500	-0.6663	0.1321	2	<i>C16orf76</i>
ENSG00000160948	0.6960	-0.2515	0.8797	2	<i>VPS28</i>
ENSG00000161653	0.6742	-0.1970	0.6352	2	<i>NAGS</i>
ENSG00000197879	0.4304	-0.8014	0.1806	2	<i>MYO1C</i>
ENSG00000173641	1.2464	-0.9720	1.0555	2	<i>HSPB7</i>
ENSG00000060491	0.1763	-0.9434	0.4114	2	<i>OGFR</i>
ENSG00000103253	0.6568	-0.5649	0.4807	2	<i>HAGHL</i>
ENSG00000105516	0.4005	-1.4215	-0.1203	2	<i>DBP</i>
ENSG00000025708	0.1902	-0.7091	0.5259	2	<i>TYMP</i>
ENSG00000168268	0.2895	-0.6590	0.3026	2	<i>NT5DC2</i>
ENSG00000187193	0.6461	-0.7432	0.5850	2	<i>MT1X</i>
ENSG00000104872	0.3339	-1.0304	0.0589	2	<i>PIH1D1</i>
ENSG00000110628	0.5493	-0.6851	0.2718	2	<i>SLC22A18</i>
ENSG00000120875	0.4886	-0.6189	0.4066	2	<i>DUSP4</i>
ENSG00000177731	0.1335	-0.8608	0.1042	2	<i>FLII</i>
ENSG00000197774	0.1544	-1.1866	0.0239	2	<i>EME2</i>
ENSG00000167173	0.3781	-0.6752	0.4150	2	<i>C15orf39</i>
ENSG00000169957	-0.0623	-1.4493	-0.4218	2	<i>ZNF768</i>
ENSG00000104529	-0.1303	-0.8098	-0.1964	2	<i>EEF1D</i>
ENSG00000203485	0.1759	-0.5299	0.6097	2	<i>INF2</i>
ENSG00000161996	-0.0763	-0.7874	-0.1847	2	<i>WDR90</i>
ENSG00000168056	0.1545	-1.2388	-0.1915	2	<i>LTBP3</i>
ENSG00000149929	0.7457	-0.4199	0.6374	2	<i>HIRIP3</i>

ENSG00000167962	0.1155	-0.8124	0.4739	2	<i>ZNF598</i>
ENSG00000095906	0.3704	-0.8981	0.4412	2	<i>NUBP2</i>
ENSG00000167653	1.3939	-0.2563	1.6927	2	<i>PSCA</i>
ENSG00000184068	0.2650	-0.8457	0.0116	2	<i>AL021453.1</i>
ENSG00000188163	0.3297	-0.8344	0.0194	2	<i>FAM166A</i>
ENSG00000180096	0.2345	-1.2295	-0.1806	2	<i>39692</i>
ENSG00000177666	0.5377	-0.8112	0.2937	2	<i>PNPLA2</i>
ENSG00000172531	0.2009	-0.6616	0.1718	2	<i>PPP1CA</i>
ENSG00000102890	0.4546	-1.2313	0.1278	2	<i>ELMO3</i>
ENSG00000127586	0.6250	-0.4208	0.7848	2	<i>CHTF18</i>
ENSG00000197858	0.1089	-0.8144	0.1089	2	<i>GPAA1</i>
ENSG00000172663	0.0701	-0.8221	-0.0131	2	<i>TMEM134</i>
ENSG00000175221	0.1941	-1.8160	-0.2723	2	<i>MED16</i>
ENSG00000131188	-0.0621	-0.8419	-0.2845	2	<i>PRR7</i>
ENSG00000182544	-0.0214	-1.0431	-0.0214	2	<i>MFSD5</i>
ENSG00000140983	0.5025	-0.5406	0.3923	2	<i>RHOT2</i>
ENSG00000101220	-0.1069	-0.8074	0.0995	2	<i>C20orf27</i>
ENSG00000188542	0.2546	-0.8556	0.0978	2	<i>DUSP28</i>
ENSG00000104522	0.5502	-0.4498	0.4406	2	<i>TSTA3</i>
ENSG00000177989	0.4594	-0.8074	0.6189	2	<i>ODF3B</i>
ENSG00000180921	-0.0784	-0.8493	0.0127	2	<i>FAM83H</i>
ENSG00000007038	-0.1386	-0.8837	-0.1146	2	<i>PRSS21</i>
ENSG00000162004	0.1424	-1.1461	-0.1110	2	<i>CCDC78</i>
ENSG00000197070	0.7174	-0.8425	0.4391	2	<i>ARRDC1</i>
ENSG00000171703	0.0568	-0.9047	-0.0234	2	<i>TCEA2</i>
ENSG00000142733	1.0573	-0.9241	0.8674	2	<i>MAP3K6</i>
ENSG00000130005	0.7485	-0.6897	0.5059	2	<i>GAMT</i>
ENSG00000167468	0.1605	-0.6280	0.6939	2	<i>GPX4</i>
ENSG00000176058	0.4306	-1.2382	0.1058	2	<i>C9orf75</i>
ENSG00000167513	0.2010	-0.8797	0.0000	2	<i>CDT1</i>
ENSG00000106003	0.3173	-0.8887	0.3897	2	<i>LFNG</i>
ENSG00000070444	0.1177	-1.1506	0.0403	2	<i>MNT</i>
ENSG00000187514	0.1979	-0.9016	0.2345	2	<i>PTMA</i>
ENSG00000101213	0.0614	-1.2505	-0.2630	2	<i>PTK6</i>
ENSG00000011590	0.2869	-0.6215	0.0841	2	<i>ZBTB32</i>
ENSG00000180209	0.2345	-1.1333	0.5419	2	<i>AC127457.2</i>
ENSG00000064961	-0.2193	-0.8097	0.2845	2	<i>HMG20B</i>
ENSG00000178718	0.1483	-0.7868	0.2211	2	<i>RPP25</i>
ENSG00000173486	0.3682	-0.6714	0.3939	2	<i>FKBP2</i>
ENSG00000178719	1.5025	-0.8845	1.4811	2	<i>GRINA</i>
ENSG00000169727	0.2908	-0.6421	0.5132	2	<i>GPS1</i>
ENSG00000182057	-0.0623	-1.1955	-0.0837	2	<i>Z83851.17</i>
ENSG00000165716	0.1310	-0.8931	0.0323	2	<i>FAM69B</i>
ENSG00000064687	0.0696	-1.4390	-0.2840	2	<i>ABCA7</i>
ENSG00000127580	0.3081	-1.1444	0.3219	2	<i>WDR24</i>
ENSG00000103152	0.1132	-1.4053	-0.2138	2	<i>MPG</i>
ENSG00000160957	0.1311	-1.2293	-0.2293	2	<i>RECQL4</i>
ENSG00000185189	1.0224	-0.8301	0.8202	2	<i>NRBP2</i>
ENSG00000178814	0.8326	-1.4349	0.4826	2	<i>OPLAH</i>
ENSG00000214063	0.3884	-1.0092	0.0541	2	<i>TSPAN4</i>
ENSG00000197361	-0.0663	-0.7298	-0.0328	2	<i>FBXL22</i>
ENSG00000205220	0.3503	-1.0334	0.1760	2	<i>PSMB10</i>
ENSG00000162194	0.0743	-0.9191	-0.1382	2	<i>C11orf48</i>
ENSG00000105672	0.3462	-1.0247	0.1397	2	<i>ETV2</i>
ENSG00000167397	0.2886	-1.0000	0.3785	2	<i>VKORC1</i>
ENSG00000101986	0.1250	-1.2106	-0.1304	2	<i>ABCD1</i>
ENSG00000161999	0.1296	-1.5850	-0.2122	2	<i>JMJD8</i>
ENSG00000126432	0.0189	-0.8958	-0.0256	2	<i>PRDX5</i>
ENSG00000133895	0.1481	-0.8402	-0.0395	2	<i>MEN1</i>
ENSG00000100726	0.0539	-0.7142	0.2630	2	<i>TELO2</i>
ENSG00000172725	0.2630	-1.1520	0.0473	2	<i>CORO1B</i>
ENSG00000041880	0.3067	-0.5475	0.5334	2	<i>PARP3</i>

ENSG00000007376	0.2630	-0.4854	0.5986	2	<i>RPUSD1</i>
ENSG00000165644	0.8026	-0.6189	1.1587	2	<i>COMTD1</i>
ENSG00000118046	0.2663	-1.1945	-0.1220	2	<i>STK11</i>
ENSG00000167470	0.1200	-1.2397	0.1862	2	<i>MIDN</i>
ENSG00000124593	0.4150	-0.8580	0.1520	2	<i>PRICKLE4</i>
ENSG00000142632	0.4085	-0.7590	0.5406	2	<i>ARHGEF19</i>
ENSG00000120055	0.3219	-1.2479	0.2278	2	<i>C10orf95</i>
ENSG00000221830	0.1699	-1.0931	0.6724	2	<i>P2RY11</i>
ENSG00000125520	-0.0825	-1.0000	0.2395	2	<i>SLC2A4RG</i>
ENSG00000070404	0.4092	-1.1688	0.9692	2	<i>FSTL3</i>
ENSG00000167046	1.0495	-0.3819	1.2176	2	<i>RP11-93B14.6</i>
ENSG00000180879	0.4881	-0.4339	0.5534	2	<i>SSR4</i>
ENSG00000169026	0.4731	-0.9786	0.3262	2	<i>MFSD7</i>
ENSG00000125434	0.0451	-0.8898	0.1826	2	<i>SLC25A35</i>
ENSG00000197982	0.2756	-0.9260	0.4800	2	<i>C1orf122</i>
ENSG00000148671	0.9798	-0.6464	0.5850	2	<i>C10orf116</i>
ENSG00000106211	0.3833	-0.8231	0.5850	2	<i>HSPB1</i>
ENSG00000178209	0.8524	-0.9525	0.8607	2	<i>PLEC1</i>
ENSG00000196924	0.0000	-0.8645	0.1640	2	<i>FLNA</i>
ENSG00000128564	0.6974	-0.3515	0.7906	2	<i>VGF</i>
ENSG00000167011	0.2320	-0.9344	-0.0687	2	<i>C7orf52</i>
ENSG00000127824	-0.0280	-1.2086	-0.1459	2	<i>TUBA1</i>
ENSG00000122140	0.0834	-0.9661	0.0671	2	<i>MRPS2</i>
ENSG00000173267	0.2150	-1.0260	0.0000	2	<i>SNCG</i>
ENSG00000108786	0.4266	-0.8387	0.4832	2	<i>HSD17B1</i>
ENSG00000172732	0.1038	-1.3657	-0.1835	2	<i>MUS81</i>
ENSG00000076662	0.2701	-1.1489	-0.0875	2	<i>ICAM3</i>
ENSG00000068001	0.1903	-1.1561	-0.1561	2	<i>HYAL2</i>
ENSG00000179111	0.3969	-1.4475	0.0473	2	<i>HES7</i>
ENSG00000166165	-0.5712	-2.3785	-0.5712	2	<i>CKB</i>
ENSG00000203804	0.8763	-1.3318	0.5915	2	<i>C1orf138</i>
ENSG00000186564	0.4678	-1.0310	0.5747	2	<i>FOXD2</i>
ENSG00000124216	0.5966	-2.0356	0.2863	2	<i>SNAIL</i>
ENSG00000141526	0.1442	-1.2016	0.3550	2	<i>SLC16A3</i>
ENSG00000177697	0.4642	-1.2253	0.5850	2	<i>CD151</i>
ENSG00000204682	0.1054	-1.4005	-0.1618	2	<i>C10orf114</i>
ENSG00000173457	0.5350	-0.7567	0.4297	2	<i>PPP1R14B</i>
ENSG00000197766	0.3382	-1.2044	0.3595	2	<i>CFD</i>
ENSG00000168564	-0.2313	0.9456	-0.1699	3	<i>CDKN2AIP</i>
ENSG00000125772	-0.3911	0.8444	-0.2009	3	<i>RP5-1022P6.2</i>
ENSG00000214148	-0.5314	0.8358	-0.3282	3	<i>IL1RAP</i>
ENSG00000165410	0.0862	0.8356	0.2065	3	<i>CFL2</i>
ENSG00000164168	0.0811	0.7746	0.1580	3	<i>TMEM184C</i>
ENSG00000120742	0.3827	0.7406	0.0000	3	<i>SERP1</i>
ENSG00000169668	0.0906	0.7289	0.1399	3	<i>AP000550.1-201</i>
ENSG00000196072	0.2023	0.7276	0.1191	3	<i>BLOC1S2</i>
ENSG00000215504	0.2386	0.6948	0.2989	3	<i>AC090772.9-203</i>
ENSG00000111843	0.1427	0.6861	0.1935	3	<i>TMEM14C</i>
ENSG00000183891	0.6498	0.6812	0.1864	3	<i>TTC32</i>
ENSG00000125870	0.3312	0.6752	0.0458	3	<i>SNRPB2</i>
ENSG00000102241	-0.0748	0.6653	-0.0294	3	<i>HTATSF1</i>
ENSG00000132664	0.2808	0.6586	0.1580	3	<i>POLR3F</i>
ENSG00000137040	0.5406	0.6491	0.4948	3	<i>RANBP6</i>
ENSG00000124508	0.1737	0.6398	0.2176	3	<i>BTN2A2</i>
ENSG00000171806	0.1155	0.6374	-0.2157	3	<i>C1orf156</i>
ENSG00000117525	0.0804	0.6361	0.1148	3	<i>F3</i>
ENSG00000162630	-0.0395	0.6360	-0.1009	3	<i>B3GALT2</i>
ENSG00000145216	0.0169	0.6340	0.1301	3	<i>FIP1L1</i>
ENSG00000168876	0.3126	0.6308	-0.1213	3	<i>ANKRD49</i>
ENSG00000113161	-0.3032	0.6262	-0.1314	3	<i>HMGCR</i>
ENSG00000211448	-0.7127	0.5520	-0.6347	3	<i>DIO2</i>
ENSG00000156500	-0.6790	0.5075	-0.8207	3	<i>FAM122C</i>

ENSG00000101928	-0.3785	0.4610	-0.5390	3	<i>MOSPD1</i>
ENSG00000179941	-0.2141	0.3900	-0.8136	3	<i>BBS10</i>
ENSG00000135525	-0.5427	0.3673	-0.3959	3	<i>MAP7</i>
ENSG00000120370	-0.6126	0.3601	-0.4990	3	<i>SCYL1BP1</i>
ENSG00000156804	-0.5160	0.3366	-0.4097	3	<i>FBXO32</i>
ENSG00000151806	-0.3666	0.3318	-0.5605	3	<i>GUF1</i>
ENSG00000112972	-0.7018	0.2768	-0.8085	3	<i>HMGCS1</i>
ENSG00000177683	0.0235	0.2392	-0.5384	3	<i>THAP5</i>
ENSG00000108733	-0.0511	0.2193	-0.6511	3	<i>PEX12</i>
ENSG00000052802	-0.4758	0.2171	-0.4502	3	<i>SC4MOL</i>
ENSG00000186130	-0.2150	0.2065	-0.7744	3	<i>ZBTB6</i>
ENSG00000132640	-0.5599	0.1979	-0.4720	3	<i>BTBD3</i>
ENSG00000163682	-0.1781	0.1915	-0.5212	3	<i>RPL9</i>
ENSG00000155438	-0.2455	0.1667	-0.6298	3	<i>MKI67IP</i>
ENSG00000174695	-0.2744	0.1661	-0.5541	3	<i>TMEM167A</i>
ENSG00000176422	-0.3356	0.1301	-0.6405	3	<i>SPRYD4</i>
ENSG00000087842	-0.4846	0.1275	-0.7176	3	<i>PIR</i>
ENSG00000129128	-0.1592	0.1237	-0.5742	3	<i>SPCS3</i>
ENSG00000122026	-0.2677	0.1119	-0.5279	3	<i>RPL21</i>
ENSG00000128573	-0.5138	0.1101	-0.5036	3	<i>FOXP2</i>
ENSG00000133112	-0.6049	0.0956	-0.5605	3	<i>TPT1</i>
ENSG00000112996	-0.2919	0.0900	-0.5921	3	<i>MRPS30</i>
ENSG00000178006	-0.0577	0.0555	-0.5431	3	<i>AC010883.8</i>
ENSG00000138434	-0.3076	0.0450	-0.6566	3	<i>SSFA2</i>
ENSG00000138650	-0.5600	0.0419	-0.5318	3	<i>PCDH10</i>
ENSG00000154642	-0.3831	0.0353	-0.7610	3	<i>C21orf91</i>
ENSG00000152944	-0.2106	0.0352	-0.6394	3	<i>MED21</i>
ENSG00000164619	-0.5903	0.0276	-0.7590	3	<i>BMPER</i>
ENSG00000154447	-0.6045	0.0240	-0.7207	3	<i>SH3RF1</i>
ENSG00000148482	-0.4585	0.0200	-0.6271	3	<i>SLC39A12</i>
ENSG00000157703	-0.6283	0.0196	-0.8239	3	<i>SVOPL</i>
ENSG00000129480	-0.3302	0.0163	-0.5768	3	<i>C14orf126</i>
ENSG00000180425	-0.1947	0.0139	-0.7558	3	<i>C11orf71</i>
ENSG00000164211	-0.5110	0.0084	-0.4637	3	<i>STARD4</i>
ENSG00000100814	-0.5029	0.0000	-0.6318	3	<i>CCNB1IP1</i>
ENSG00000119938	-0.4361	-0.0126	-1.1450	3	<i>PPP1R3C</i>
ENSG00000110700	-0.3379	-0.0159	-0.5771	3	<i>RPS13</i>
ENSG00000215472	-0.3319	-0.0199	-0.6980	3	<i>AC100778.5</i>
ENSG00000121690	-0.4781	-0.0249	-0.5666	3	<i>DEPDC7</i>
ENSG00000182498	-0.1549	-0.0262	-0.5445	3	<i>RPS18</i>
ENSG00000109674	-0.1516	-0.0291	-0.5850	3	<i>NEIL3</i>
ENSG00000203705	-0.2547	-0.0302	-0.5292	3	<i>TATDN3</i>
ENSG00000173320	-0.3527	-0.0334	-0.5754	3	<i>STOX2</i>
ENSG00000109084	-0.3291	-0.0385	-0.6041	3	<i>TMEM97</i>
ENSG00000127184	-0.2981	-0.0390	-0.6439	3	<i>COX7</i>
ENSG00000129235	-0.2325	-0.0436	-0.7199	3	<i>TXNL5</i>
ENSG00000120885	-0.5816	-0.0620	-0.6754	3	<i>CLU</i>
ENSG00000099260	-0.5171	-0.0652	-0.5088	3	<i>PALMD</i>
ENSG00000135046	-0.2598	-0.0663	-0.5769	3	<i>ANXA1</i>
ENSG00000099256	-0.2946	-0.0710	-0.5282	3	<i>PRTFDC1</i>
ENSG00000181798	-0.0791	-0.0791	-0.8713	3	<i>C2orf52</i>
ENSG00000127993	-0.5166	-0.1015	-0.6204	3	<i>C7orf64</i>
ENSG00000197062	-0.1533	-0.1043	-0.5194	3	<i>ZNF187</i>
ENSG00000196526	-0.3724	-0.1131	-0.5697	3	<i>AFAP1</i>
ENSG00000171617	-0.4879	-0.1176	-0.5417	3	<i>ENC1</i>
ENSG00000126790	-0.6193	-0.1317	-0.6045	3	<i>C14orf149</i>
ENSG00000079459	-0.2467	-0.1326	-0.6946	3	<i>FDFT1</i>
ENSG00000137038	-0.5025	-0.1333	-0.5329	3	<i>C9orf123</i>
ENSG00000112031	-0.1341	-0.1341	-0.5182	3	<i>MTRF1L</i>
ENSG00000099194	-0.4705	-0.1471	-0.9308	3	<i>SCD</i>
ENSG00000166598	-0.2297	-0.1630	-0.5448	3	<i>HSP90B1</i>
ENSG00000175018	-0.1667	-0.1667	-0.5208	3	<i>C10orf122</i>

ENSG00000172315	-0.2345	-0.1722	-0.6215	3	<i>TP53RK</i>
ENSG00000119508	-0.5007	-0.1726	-0.5200	3	<i>NR4A3</i>
ENSG00000135452	-0.1699	-0.1746	-0.6480	3	<i>TSPAN31</i>
ENSG00000142676	-0.5481	-0.1762	-0.7015	3	<i>RPL11</i>
ENSG00000148303	-0.3031	-0.1775	-0.5699	3	<i>RPL7A</i>
ENSG00000100979	-0.2020	-0.1833	-0.5287	3	<i>PLTP</i>
ENSG00000121039	-0.5102	-0.1851	-0.9062	3	<i>RDH10</i>
ENSG00000158825	-0.5083	-0.1891	-0.4874	3	<i>CDA</i>
ENSG00000007944	-0.3735	-0.1926	-0.7507	3	<i>MYLIP</i>
ENSG00000124701	-0.4535	-0.1926	-0.5614	3	<i>APOBEC2</i>
ENSG00000138134	-0.5333	-0.2033	-0.4908	3	<i>STAMBPL1</i>
ENSG00000103018	-0.3924	-0.2103	-0.6702	3	<i>CYB5B</i>
ENSG00000170312	-0.4086	-0.2176	-0.7612	3	<i>CDC2</i>
ENSG00000138162	-0.2844	-0.2271	-0.5379	3	<i>TACC2</i>
ENSG00000123500	-0.6067	-0.2332	-0.6738	3	<i>COL10A1</i>
ENSG00000115365	-0.2686	-0.2357	-0.5712	3	<i>LANCL1</i>
ENSG00000059804	-0.3241	-0.2441	-0.7180	3	<i>SLC2A3</i>
ENSG00000129521	-0.4211	-0.2485	-0.6033	3	<i>EGLN3</i>
ENSG00000185261	-0.3582	-0.2539	-0.8403	3	<i>C5orf36</i>
ENSG00000118946	-0.4653	-0.2572	-0.9669	3	<i>PCDH17</i>
ENSG00000181924	-0.6323	-0.2677	-0.8667	3	<i>CHCHD8</i>
ENSG00000054793	-0.2905	-0.2705	-0.5503	3	<i>ATP9A</i>
ENSG00000006007	-0.3947	-0.2740	-0.5412	3	<i>GDE1</i>
ENSG00000162878	-0.7710	-0.2755	-1.0367	3	<i>AC013480.12</i>
ENSG00000147536	-0.3999	-0.2845	-0.5586	3	<i>GIN54</i>
ENSG00000044574	-0.3523	-0.2848	-0.5940	3	<i>HSPA5</i>
ENSG00000204370	-0.6421	-0.2942	-0.8792	3	<i>SDHD</i>
ENSG00000186480	-0.4980	-0.3002	-1.3209	3	<i>INSIG1</i>
ENSG00000102038	-0.6767	-0.3011	-0.7258	3	<i>SMARCA1</i>
ENSG00000136480	-0.3467	-0.3138	-0.6939	3	<i>POLG2</i>
ENSG00000136169	-0.4203	-0.3193	-0.5363	3	<i>SETDB2</i>
ENSG00000189377	-0.4896	-0.3641	-0.5954	3	<i>CXCL17</i>
ENSG00000168502	-0.4593	-0.3717	-1.0897	3	<i>KIAA0802</i>
ENSG00000105976	-0.4115	-0.3766	-0.6873	3	<i>MET</i>
ENSG00000145287	-0.4290	-0.3865	-0.5362	3	<i>PLAC8</i>
ENSG00000122126	-0.3942	-0.3999	-0.7810	3	<i>OCRL</i>
ENSG00000067064	-0.6388	-0.4110	-1.1054	3	<i>ID1I</i>
ENSG00000198363	-0.5907	-0.4173	-0.9932	3	<i>ASPH</i>
ENSG00000170456	-0.4490	-0.4452	-0.8074	3	<i>DENND5B</i>
ENSG00000101115	-0.5039	-0.4921	-0.7204	3	<i>SALL4</i>
ENSG00000135902	-0.7264	-0.5191	-1.0649	3	<i>CHRND</i>
ENSG00000204490	-0.3219	2.9069	2.4330	4	<i>TNF</i>
ENSG00000108691	0.6781	3.4594	2.5360	4	<i>CCL2</i>
ENSG00000211445	-0.1620	2.4490	2.6290	4	<i>GPX3</i>
ENSG00000123240	0.0322	0.8943	1.3039	4	<i>OPTN</i>
ENSG00000214112	0.3833	2.3344	2.5745	4	<i>AC073624.1</i>
ENSG00000189129	-0.0262	0.6813	0.5719	4	<i>PLAC9</i>
ENSG00000112096	0.0265	2.7390	2.7249	4	<i>SOD2</i>
ENSG00000160326	-0.5664	0.3182	0.7993	4	<i>SLC2A6</i>
ENSG00000095739	-0.4016	1.0267	0.6161	4	<i>BAMBI</i>
ENSG00000173391	-0.4108	2.9297	1.9888	4	<i>OLR1</i>
ENSG00000125347	0.0431	1.7304	2.0217	4	<i>IRF1</i>
ENSG00000115009	0.7105	2.8804	2.2410	4	<i>CCL20</i>
ENSG00000136244	0.0465	1.1882	0.7275	4	<i>IL6</i>
ENSG00000143466	-0.0916	1.6021	1.7258	4	<i>IKBKE</i>
ENSG00000136048	-0.4321	1.4613	0.8726	4	<i>AC084398.25-201</i>
ENSG00000134070	-0.0183	1.4246	1.5910	4	<i>IRAK2</i>
ENSG00000165685	-0.5090	1.2500	0.5631	4	<i>C12orf59</i>
ENSG00000122729	-0.2414	0.9484	0.6056	4	<i>ACO1</i>
ENSG00000185215	-0.2466	1.2458	1.7896	4	<i>TNFAIP2</i>
ENSG00000137269	-0.0622	0.6666	0.2341	4	<i>LRRC1</i>
ENSG00000169242	-0.4902	1.6178	1.2829	4	<i>EFNA1</i>

ENSG00000081041	0.7668	2.9673	3.2170	4	<i>CXCL2</i>
ENSG00000159110	-0.1775	1.5741	1.3792	4	<i>IFNAR2</i>
ENSG00000145901	0.1739	1.9074	2.0991	4	<i>TNIP1</i>
ENSG00000146232	-0.2775	0.6439	0.7761	4	<i>NFKBIE</i>
ENSG00000150938	0.1812	0.6928	0.4676	4	<i>CRIM1</i>
ENSG00000173918	0.1084	1.5952	1.9585	4	<i>C1QTNF1</i>
ENSG00000104856	-0.2393	2.7012	2.6712	4	<i>RELB</i>
ENSG00000109320	-0.1722	2.3124	1.7576	4	<i>NFKB1</i>
ENSG00000100906	1.2242	2.2584	2.7004	4	<i>NFKBIA</i>
ENSG00000010818	-0.2989	1.2638	0.8888	4	<i>HIVEP2</i>
ENSG00000170786	0.3738	1.0548	1.1495	4	<i>AC103849.3</i>
ENSG00000145975	-0.0224	0.7590	0.5012	4	<i>C6orf146</i>
ENSG00000140950	0.0717	0.9393	0.9035	4	<i>KIAA1609</i>
ENSG00000154265	0.0622	0.8647	0.4001	4	<i>ABCA5</i>
ENSG00000182197	-0.2219	0.6265	0.0683	4	<i>EXT1</i>
ENSG00000173261	-0.5961	-0.2150	-0.3500	4	<i>PLAC8L1</i>
ENSG00000131459	-0.0735	1.4246	1.7748	4	<i>GFPT2</i>
ENSG00000127328	0.0270	0.7703	0.4971	4	<i>RAB3IP</i>
ENSG00000132639	-0.4254	1.3196	0.6124	4	<i>SNAP25</i>
ENSG00000139793	0.2735	0.9349	0.9432	4	<i>MBNL2</i>
ENSG00000204356	0.1561	0.9151	0.8480	4	<i>RDBP</i>
ENSG00000205810	-0.4739	1.6599	1.1243	4	<i>KLRC3</i>
ENSG00000131323	-0.0683	0.9169	0.7744	4	<i>TRAF3</i>
ENSG00000196878	-0.3030	0.6578	0.3902	4	<i>LAMB3</i>
ENSG00000188959	-0.1375	0.8911	0.6944	4	<i>C9orf152</i>
ENSG00000198796	-0.3106	0.7752	0.6446	4	<i>ALPK2</i>
ENSG00000160185	-0.0510	0.9015	0.8413	4	<i>UBASH3A</i>
ENSG00000107968	-0.0305	1.2892	0.8502	4	<i>MAP3K8</i>
ENSG00000125618	0.2630	0.9967	1.0065	4	<i>PAX8</i>
ENSG00000154914	0.0520	1.1096	0.9530	4	<i>USP43</i>
ENSG00000015475	0.0085	0.5793	0.7605	4	<i>BID</i>
ENSG00000189067	-0.1411	1.1566	0.8417	4	<i>LITAF</i>
ENSG00000062582	0.2410	0.7304	0.4232	4	<i>MRPS24</i>
ENSG00000104093	0.1293	0.5870	0.5233	4	<i>DMXL2</i>
ENSG00000173166	-0.0783	1.1501	0.7879	4	<i>RAPH1</i>
ENSG00000134285	0.3806	0.7799	0.6296	4	<i>FKBP11</i>
ENSG00000160183	0.0336	1.0986	0.6296	4	<i>TMPRSS3</i>
ENSG000000083799	-0.0915	0.7972	0.6803	4	<i>CYLD</i>
ENSG00000075420	0.1955	1.1174	1.1339	4	<i>FNDC3B</i>
ENSG00000162437	-0.0368	0.6986	0.2764	4	<i>RAVER2</i>
ENSG00000110080	0.4549	0.8110	0.9829	4	<i>ST3GAL4</i>
ENSG00000168367	-0.6781	-0.0489	-0.5493	4	<i>AC092327.4</i>
ENSG00000111452	-0.0395	0.4600	0.5222	4	<i>GPR133</i>
ENSG00000178776	-0.5106	0.4594	-0.1613	4	<i>C5orf46</i>
ENSG00000166949	-0.3889	1.0571	0.8744	4	<i>SMAD3</i>
ENSG00000095951	-0.2325	0.6605	0.4159	4	<i>HIVEP1</i>
ENSG00000112378	0.2500	0.7849	0.6423	4	<i>PERP</i>
ENSG00000109790	-0.2938	0.6491	0.3586	4	<i>KLHL5</i>
ENSG00000123595	-0.4459	1.1887	0.5541	4	<i>RAB9A</i>
ENSG00000216575	-0.6067	0.6754	0.5778	4	<i>AC004491.2</i>
ENSG00000112493	0.1235	0.8683	0.6857	4	<i>TAPBP</i>
ENSG00000204364	0.0000	0.4701	0.6006	4	<i>C2</i>
ENSG00000139194	0.5525	0.8745	0.8210	4	<i>RBP5</i>
ENSG00000119900	-0.1484	0.6382	0.0215	4	<i>OGFRL1</i>
ENSG00000159128	-0.0299	0.6207	0.6164	4	<i>IFNGR2</i>
ENSG00000148154	0.0653	0.7235	0.5491	4	<i>UGCG</i>
ENSG00000139112	-0.0572	0.9218	0.6528	4	<i>GABARAPL1</i>
ENSG00000173250	0.0000	0.5406	0.6560	4	<i>GPR151</i>
ENSG00000182952	-0.5208	0.0217	-0.2115	4	<i>HMGN4</i>
ENSG00000162434	0.0652	1.3073	1.1699	4	<i>JAK1</i>
ENSG00000088992	-0.1889	1.0132	1.0880	4	<i>TESC</i>
ENSG00000072274	-0.3149	0.6382	0.1456	4	<i>TFRC</i>

ENSG00000196459	-0.0977	1.0814	0.6738	4	<i>SEDLP</i>
ENSG00000168461	-0.3035	0.6617	0.5464	4	<i>RAB31</i>
ENSG000000011638	0.1660	0.7228	0.4498	4	<i>TMEM159</i>
ENSG00000116711	-0.1231	0.6925	0.1805	4	<i>PLA2G4A</i>
ENSG00000110063	0.1699	0.6882	0.7355	4	<i>DCPS</i>
ENSG00000146648	0.3132	0.6645	0.6717	4	<i>EGFR</i>
ENSG00000172530	-0.1189	0.8633	0.4873	4	<i>BANP</i>
ENSG00000106078	0.1275	0.9733	1.0111	4	<i>COBL</i>
ENSG00000020577	-0.0403	1.3137	0.6533	4	<i>SAMD4A</i>
ENSG00000213809	-0.0368	1.1950	0.8155	4	<i>KLRK1</i>
ENSG00000113645	0.1488	0.7332	0.9573	4	<i>WWC1</i>
ENSG00000149380	0.4045	0.9009	1.1559	4	<i>P4HA3</i>
ENSG00000177994	-0.4868	-0.4162	-0.4629	4	<i>C2orf73</i>
ENSG00000166979	0.3719	0.7136	0.6968	4	<i>C21orf63</i>
ENSG000000213057	-0.5115	0.0000	-0.0888	4	<i>C1orf220</i>
ENSG00000073712	0.2849	0.5681	0.5307	4	<i>PLEKHC1</i>
ENSG00000124145	0.0032	1.2454	1.2427	4	<i>SDC4</i>
ENSG00000111266	0.0206	1.3775	1.0382	4	<i>DUSP16</i>
ENSG00000111912	-0.1040	0.6582	0.1786	4	<i>ESNA1</i>
ENSG00000158470	0.0121	0.6330	0.5371	4	<i>B4GALT5</i>
ENSG00000165434	0.0715	0.8329	0.8455	4	<i>PGM2L1</i>
ENSG00000196776	-0.0780	0.6224	0.3705	4	<i>CD47</i>
ENSG00000135604	-0.4885	0.6451	0.5115	4	<i>STX11</i>
ENSG00000113732	0.2268	0.6558	0.6734	4	<i>ATP6V0E</i>
ENSG00000198879	-0.3787	0.6483	-0.0622	4	<i>SFMBT2</i>
ENSG00000105329	-0.5002	-0.3059	-0.1966	4	<i>TGFB1</i>
ENSG00000166510	0.1325	0.9434	1.1229	4	<i>CCDC68</i>
ENSG00000076043	-0.6845	0.6477	0.0473	4	<i>REXO2</i>
ENSG00000166532	0.1449	0.9850	1.1357	4	<i>RIMKLB</i>
ENSG00000153162	-0.5452	1.6175	0.3963	4	<i>BMP6</i>
ENSG00000184361	-0.2553	0.5719	0.6485	4	<i>C17orf46</i>
ENSG00000114529	-0.0685	0.7618	0.4056	4	<i>C3orf52</i>
ENSG00000214113	-0.1031	0.6096	0.6150	4	<i>LYRM4</i>
ENSG00000169504	0.1342	0.7968	1.0774	4	<i>CLIC4</i>
ENSG00000196396	0.1181	0.6840	0.7926	4	<i>PTPN1</i>
ENSG00000152558	0.1898	1.3649	1.2176	4	<i>TMEM123</i>
ENSG00000163545	-0.0870	0.7021	0.5966	4	<i>NUAK2</i>
ENSG00000143641	-0.3636	0.9284	0.6311	4	<i>GALNT2</i>
ENSG00000165195	-0.1104	0.9458	0.4074	4	<i>PIGA</i>
ENSG00000174485	-0.2620	1.4865	0.7349	4	<i>DENND4A</i>
ENSG00000006611	-0.5099	0.2464	-0.2652	4	<i>USH1C</i>
ENSG00000103187	-0.3278	0.8979	0.8512	4	<i>COTL1</i>
ENSG00000162924	-0.3989	1.2471	0.8574	4	<i>REL</i>
ENSG00000069399	-0.4491	0.7222	0.9580	4	<i>BCL3</i>
ENSG00000145365	-0.0142	1.3163	1.0141	4	<i>TIFA</i>
ENSG00000185862	-0.6851	0.0518	-0.3576	4	<i>EVI2B</i>
ENSG00000135900	0.3969	1.0000	0.5194	4	<i>MRPL44</i>
ENSG00000205809	-0.0704	1.7776	0.8171	4	<i>KLRC2</i>
ENSG00000105855	-0.0430	1.0115	0.8249	4	<i>ITGB8</i>
ENSG00000166477	0.1911	0.7869	0.4577	4	<i>LEO1</i>
ENSG00000116016	0.0486	0.6825	0.3913	4	<i>EPAS1</i>
ENSG00000115919	-0.3600	2.1204	1.4980	4	<i>KYNU</i>
ENSG00000008294	0.1817	0.7373	0.6748	4	<i>SPAG9</i>
ENSG00000100731	-0.1106	0.8939	0.5164	4	<i>PCNX</i>
ENSG00000136156	0.0277	0.7069	0.4987	4	<i>ITM2B</i>
ENSG00000137449	-0.3133	1.0949	0.1530	4	<i>CPEB2</i>
ENSG00000113240	-0.2332	0.6413	0.3644	4	<i>CLK4</i>
ENSG00000111911	-0.1375	0.6757	0.1678	4	<i>HINT3</i>
ENSG00000157557	0.3210	0.7223	0.8412	4	<i>ETS2</i>
ENSG000000013619	0.1004	0.9242	0.6372	4	<i>MAMLD1</i>
ENSG00000135750	0.3746	0.6038	0.6184	4	<i>KCNKI</i>
ENSG00000077238	0.0542	0.7102	0.7600	4	<i>IL4R</i>

ENSG00000145632	-1.4242	0.5684	-0.6380	4	<i>PLK2</i>
ENSG00000138593	0.1193	0.5982	0.6498	4	<i>AC091073.3</i>
ENSG00000157014	0.0937	0.5122	0.5882	4	<i>TATDN2</i>
ENSG00000062194	0.0333	0.8006	0.4530	4	<i>GPBP1</i>
ENSG00000120889	0.1636	0.8748	0.7634	4	<i>TNFRSF10B</i>
ENSG00000165030	0.0869	0.4495	0.5883	4	<i>NFIL3</i>
ENSG00000081985	-0.0372	0.5204	0.6294	4	<i>IL12RB2</i>
ENSG00000064042	-0.2097	0.6437	0.2379	4	<i>LIMCH1</i>
ENSG00000068793	0.1947	0.5361	0.6167	4	<i>CYFIP1</i>
ENSG00000069011	0.2130	0.4713	0.5518	4	<i>PITX1</i>
ENSG00000136754	-0.0199	0.7159	0.3337	4	<i>SSH3BP</i>
ENSG00000176309	-0.1676	0.7573	0.3963	4	<i>AC010754.10</i>
ENSG00000181523	-0.2097	0.8301	1.2980	4	<i>SGSH</i>
ENSG00000137714	0.0665	0.8112	0.4218	4	<i>FDX1</i>
ENSG00000108010	0.0033	0.6916	0.2826	4	<i>TXNL3</i>
ENSG00000059915	-0.1155	1.8845	2.5069	4	<i>PSD</i>
ENSG00000204923	-1.1278	-0.4903	-0.6347	4	<i>FBXO48</i>
ENSG00000130844	-0.1740	0.7145	0.1697	4	<i>ZNF331</i>
ENSG00000035403	0.3160	0.7928	0.6975	4	<i>VCL</i>
ENSG00000069869	0.2644	0.4505	0.5473	4	<i>NEDD4</i>
ENSG00000218045	-0.5251	0.9629	0.3072	4	<i>SUGT1P</i>
ENSG00000213281	-0.3794	0.6611	0.3147	4	<i>NRAS</i>
ENSG00000169604	-0.2546	0.9493	0.1914	4	<i>ANTXR1</i>
ENSG00000206337	-0.5909	-0.2165	-0.5045	4	<i>HCP5</i>
ENSG00000162244	-0.5732	0.1567	-0.0481	4	<i>RPL29</i>
ENSG00000114251	-0.5078	-0.2101	-0.2286	4	<i>WNT5A</i>
ENSG00000173227	0.0450	0.5241	0.7682	4	<i>SYT12</i>
ENSG00000138594	-0.0570	0.8738	0.5993	4	<i>TMOD3</i>
ENSG00000152056	-0.2011	0.7645	0.2759	4	<i>AP1S3</i>
ENSG00000023171	0.0524	1.1210	0.8106	4	<i>GRAMD1B</i>
ENSG00000056558	0.0918	0.9299	0.7349	4	<i>TRAF1</i>
ENSG00000089876	-0.5210	0.2555	-0.2345	4	<i>DHX32</i>
ENSG00000130066	0.2201	0.5797	0.7401	4	<i>SAT1</i>
ENSG00000144580	-0.0123	0.6549	0.3084	4	<i>RQCD1</i>
ENSG00000140105	-0.2663	1.0846	0.5883	4	<i>WARS</i>
ENSG00000140284	0.1463	0.9027	0.6965	4	<i>SLC27A2</i>
ENSG00000155324	-0.4897	0.3327	-0.2194	4	<i>GRAMD3</i>
ENSG00000080371	-0.0762	0.6473	0.2209	4	<i>RAB21</i>
ENSG00000185009	0.1554	1.0906	0.8365	4	<i>AP3M1</i>
ENSG00000080802	0.0213	0.6296	0.3927	4	<i>CNOT4</i>
ENSG00000138381	-0.8377	0.1313	-0.3923	4	<i>ASNSD1</i>
ENSG00000166741	0.3985	0.8148	0.9295	4	<i>NNMT</i>
ENSG00000071539	-0.1658	0.4989	0.5957	4	<i>TRIP13</i>
ENSG00000113594	-0.2612	1.3085	0.3143	4	<i>LIFR</i>
ENSG00000138386	0.0557	0.8547	0.5505	4	<i>NAB1</i>
ENSG00000124225	-0.4035	0.7739	0.2444	4	<i>PMEPA1</i>
ENSG00000173575	-0.0051	0.8054	0.5101	4	<i>CHD2</i>
ENSG00000110330	0.1357	1.2813	1.1878	4	<i>BIRC2</i>
ENSG00000176915	0.2024	0.8194	0.9604	4	<i>ANKLE2</i>
ENSG00000204267	-0.1611	0.7986	0.5782	4	<i>TAP2</i>
ENSG00000147174	0.1864	0.6498	0.7967	4	<i>ACRC</i>
ENSG00000143324	-0.1544	0.6368	0.1635	4	<i>XPR1</i>
ENSG00000026103	0.1981	0.7389	0.6371	4	<i>FAS</i>
ENSG00000185736	-0.8678	0.6553	-0.1059	4	<i>ADARB2</i>
ENSG00000134352	-0.0432	0.6928	0.6361	4	<i>IL6ST</i>
ENSG00000165169	-0.6110	0.1155	-0.2838	4	<i>DYNLT3</i>
ENSG00000035687	-0.0690	0.6356	0.1343	4	<i>ADSS</i>
ENSG00000146457	-0.2071	0.7648	0.3350	4	<i>WTAP</i>
ENSG00000185947	-0.0365	0.7595	0.2759	4	<i>ZNF267</i>
ENSG00000101773	-0.0608	0.7909	0.1571	4	<i>RBBP8</i>
ENSG00000173334	-0.0194	0.5460	0.8156	4	<i>TRIB1</i>
ENSG00000163743	0.1288	0.8231	0.2604	4	<i>RCHY1</i>

ENSG00000104613	-0.1641	0.6625	0.2656	4	<i>INTS10</i>
ENSG00000102531	-0.0364	0.9447	0.6743	4	<i>FNDC3A</i>
ENSG00000117523	-0.0892	0.6381	0.2998	4	<i>BAT2D1</i>
ENSG00000156502	-0.3129	0.6311	-0.1041	4	<i>SUPV3L1</i>
ENSG00000119523	-0.7105	0.1520	0.0000	4	<i>ALG2</i>
ENSG00000077097	-0.0751	0.6290	0.2630	4	<i>TOP2B</i>
ENSG00000181264	-0.6130	0.1069	-0.2742	4	<i>TMEM136</i>
ENSG00000178127	-0.0837	0.8129	0.2509	4	<i>NDUFV2</i>
ENSG00000135919	-0.2727	0.7451	0.4489	4	<i>SERPINE2</i>
ENSG00000203917	-0.2335	1.3219	0.3450	4	<i>AL136164.8</i>
ENSG00000115350	-0.5025	0.0984	-0.3433	4	<i>POLE4</i>
ENSG00000124203	0.5107	1.1969	1.1915	4	<i>ZNF831</i>
ENSG00000118985	0.0810	1.0277	0.6872	4	<i>ELL2</i>
ENSG00000151131	-0.6845	0.3155	0.0159	4	<i>C12orf45</i>
ENSG00000164136	-0.5480	0.6012	0.2505	4	<i>IL15</i>
ENSG00000151304	-0.0044	0.6699	0.2149	4	<i>SRFBP1</i>
ENSG00000136810	0.0000	0.9638	0.5886	4	<i>TXN</i>
ENSG00000124789	-0.1678	0.8074	0.4909	4	<i>NUP153</i>
ENSG00000198604	-0.1350	0.7172	0.3844	4	<i>BAZIA</i>
ENSG00000069849	0.1378	0.7714	0.9860	4	<i>ATP1B3</i>
ENSG00000145860	0.0929	1.1057	1.1009	4	<i>RNF145</i>
ENSG00000205213	-0.2896	0.6813	0.2727	4	<i>LGR4</i>
ENSG00000106105	0.1344	0.6978	0.5324	4	<i>GARS</i>
ENSG00000137414	-0.0209	0.9329	0.5780	4	<i>FAM8A1</i>
ENSG00000182718	0.2385	0.7208	0.9363	4	<i>ANXA2</i>
ENSG00000158615	-0.0863	0.6799	0.1520	4	<i>PPP1R15B</i>
ENSG00000104998	0.0862	0.5626	0.7458	4	<i>IL27RA</i>
ENSG00000169908	-1.2049	0.8261	-0.1553	4	<i>TM4SF1</i>
ENSG00000166889	0.0506	0.6156	0.5712	4	<i>PATL1</i>
ENSG00000185697	-0.0403	0.6996	0.5316	4	<i>MYBL1</i>
ENSG00000181704	-0.1769	0.6919	0.0046	4	<i>YIPF6</i>
ENSG00000163636	0.0000	0.7717	0.4186	4	<i>PSMD6</i>
ENSG00000117410	-0.5133	-0.0174	-0.1840	4	<i>ATP6V0B</i>
ENSG00000138772	-0.6121	0.4470	-0.1472	4	<i>ANXA3</i>
ENSG00000140563	-0.4403	0.7056	0.0423	4	<i>MCTP2</i>
ENSG00000145414	-0.7286	0.3228	-0.2928	4	<i>NAF1</i>
ENSG00000135002	-0.9163	-0.7085	-0.7085	4	<i>RFK</i>
ENSG00000119326	-0.1546	0.7064	0.2970	4	<i>CTNNAL1</i>
ENSG00000082153	0.4021	0.6217	0.6161	4	<i>BZWI</i>
ENSG00000103855	0.0357	0.5060	0.5652	4	<i>CD276</i>
ENSG00000153922	-0.2990	0.8063	0.2224	4	<i>CHD1</i>
ENSG00000073921	0.0449	0.9779	0.5375	4	<i>PICALM</i>
ENSG00000128510	-0.9529	-0.5744	-0.7968	4	<i>CPA4</i>
ENSG00000106591	-0.5850	0.0177	-0.2524	4	<i>MRPL32</i>
ENSG00000120533	-0.5773	0.3281	-0.1283	4	<i>ENY2</i>
ENSG00000135655	0.0417	0.6962	0.2484	4	<i>USP15</i>
ENSG00000213848	0.2949	0.7488	0.5396	4	<i>AC064852.4</i>
ENSG00000109133	-0.2291	1.0101	0.4695	4	<i>TMEM33</i>
ENSG00000134987	-0.4529	0.7673	0.0586	4	<i>WDR36</i>
ENSG00000104064	-0.1306	0.7292	0.6394	4	<i>GABPB1</i>
ENSG00000109854	-0.1809	0.9768	0.6741	4	<i>HTATIP2</i>
ENSG00000137702	-0.6823	-0.4938	-0.5850	4	<i>FDXACB1</i>
ENSG00000125746	-0.5021	0.0892	-0.3175	4	<i>EML2</i>
ENSG00000198142	0.5850	0.7549	0.7279	4	<i>ANKRD57</i>
ENSG00000133858	-0.1864	0.6953	0.3330	4	<i>ZFC3H1</i>
ENSG00000099365	0.0721	0.6453	0.9241	4	<i>STX1B2</i>
ENSG00000141682	-0.2466	1.1281	1.0605	4	<i>PMAIP1</i>
ENSG00000138347	0.0614	0.8346	0.5962	4	<i>MYPN</i>
ENSG00000189149	0.1007	0.6362	0.5675	4	<i>AC008740.7-202</i>
ENSG00000125845	-0.5129	0.9427	-0.2028	4	<i>BMP2</i>
ENSG00000162783	-0.1950	0.7068	0.9146	4	<i>IER5</i>
ENSG00000156384	0.2263	0.7315	0.4014	4	<i>C10orf78</i>

ENSG00000176907	-0.6823	1.3993	0.5497	4	<i>C8orf4</i>
ENSG00000034152	-0.0834	0.4814	0.6967	4	<i>MAP2K3</i>
ENSG00000181467	-0.5230	-0.1114	-0.3515	4	<i>RAP2B</i>
ENSG00000151239	-0.4890	0.5046	-0.1926	4	<i>TWF1</i>
ENSG00000124466	-0.3132	0.8124	0.8809	4	<i>LYPD3</i>
ENSG00000077150	0.0000	1.3015	1.8418	4	<i>NFKB2</i>
ENSG00000137331	-0.2996	1.2479	0.6439	4	<i>IER3</i>
ENSG00000203875	-0.8194	0.1375	-0.3219	4	<i>AL355615.12</i>
ENSG00000104047	-0.6093	0.1506	-0.1149	4	<i>DTWD1</i>
ENSG00000116717	0.2198	0.7075	0.6962	4	<i>GADD45A</i>
ENSG00000163110	-0.5216	0.7586	0.0191	4	<i>PDLIM5</i>
ENSG00000196083	-0.4394	0.8321	-0.0651	4	<i>IL1RAP</i>
ENSG00000106799	-0.5200	0.2284	-0.3412	4	<i>TGFBR1</i>
ENSG00000197045	-0.5670	0.0000	-0.1255	4	<i>GMFB</i>
ENSG00000215157	-0.6051	0.2320	0.5434	4	<i>AC093734.3-202</i>
ENSG00000151012	-0.1526	0.6531	0.0834	4	<i>SLC7A11</i>
ENSG00000173559	-0.6033	-0.3038	-0.3151	4	<i>OBFC2A</i>
ENSG00000139289	-1.1699	-0.2410	-0.8704	4	<i>PHLDA1</i>
ENSG00000103145	-0.8824	-0.2240	-0.2801	4	<i>HCFC1R1</i>
ENSG00000118503	1.2938	2.6737	3.5752	5	<i>TNFAIP3</i>
ENSG00000122862	0.4613	0.4613	0.7863	5	<i>SRGN</i>
ENSG00000042062	0.0448	0.6882	1.1425	5	<i>C20orf175</i>
ENSG00000163462	0.5944	0.1856	1.1731	5	<i>TRIM46</i>
ENSG00000160325	-0.1102	0.3638	0.9238	5	<i>C9orf7</i>
ENSG00000105717	0.2860	0.2768	0.8449	5	<i>PBX4</i>
ENSG00000131435	0.2947	0.0191	0.7370	5	<i>PDLIM4</i>
ENSG00000128274	0.0102	0.5884	1.2025	5	<i>A4GALT</i>
ENSG00000125730	-0.1520	0.2705	1.3255	5	<i>C3</i>
ENSG00000159166	-0.1950	-0.2932	0.6966	5	<i>LAD1</i>
ENSG00000111339	0.1751	0.7182	1.1047	5	<i>ART4</i>
ENSG00000081277	0.3467	0.1031	0.6346	5	<i>PKP1</i>
ENSG00000164236	0.0934	0.2012	0.5425	5	<i>ANKRD33B</i>
ENSG00000090339	0.3634	1.3189	2.4498	5	<i>ICAM1</i>
ENSG00000174502	0.0418	0.1220	0.6350	5	<i>SLC26A9</i>
ENSG00000159113	-0.0380	0.3565	0.7353	5	<i>IL10RB</i>
ENSG00000148344	0.8755	1.5310	1.9857	5	<i>PTGES</i>
ENSG00000100053	-0.4811	-0.2847	-0.1119	5	<i>CRYBB3</i>
ENSG00000137767	0.0991	0.3706	0.6953	5	<i>SQRDL</i>
ENSG00000168394	0.0470	0.7331	1.2614	5	<i>TAP1</i>
ENSG00000127129	0.7162	0.6845	1.9341	5	<i>EDN2</i>
ENSG00000117298	0.5278	0.8671	1.2173	5	<i>ECE1</i>
ENSG00000185499	0.6308	0.2937	1.1751	5	<i>MUC1</i>
ENSG00000133477	0.4958	0.4901	0.6689	5	<i>FAM83F</i>
ENSG00000113504	0.1523	0.3880	1.1478	5	<i>SLC12A7</i>
ENSG00000160213	0.1970	0.3429	1.0000	5	<i>CSTB</i>
ENSG00000105755	0.1874	0.2857	0.5350	5	<i>ETHE1</i>
ENSG00000157020	0.3942	0.7034	0.9173	5	<i>SEC13L1</i>
ENSG00000167995	0.5993	0.6176	1.1016	5	<i>BEST1</i>
ENSG00000126561	0.2543	0.8490	1.3254	5	<i>STAT5A</i>
ENSG00000157191	0.0327	0.2520	0.8308	5	<i>NECAP2</i>
ENSG00000167996	0.8152	1.0082	1.5628	5	<i>FTH1</i>
ENSG00000157017	0.2630	0.4557	0.9041	5	<i>GHRL</i>
ENSG00000185838	0.1592	0.0386	0.6592	5	<i>GNB1L</i>
ENSG00000169231	0.2531	0.0738	0.5850	5	<i>THBS3</i>
ENSG00000137310	0.0000	0.1641	0.5908	5	<i>TCF19</i>
ENSG00000176894	0.2208	0.8931	1.3413	5	<i>PGAM5</i>
ENSG00000116954	0.1375	0.3854	0.5423	5	<i>RRAGC</i>
ENSG00000184058	0.1958	0.0144	0.5958	5	<i>TBX1</i>
ENSG00000135686	0.4525	0.5176	0.8395	5	<i>C16orf44</i>
ENSG00000110318	0.5457	0.3450	1.2755	5	<i>KIAA1377</i>
ENSG00000127561	-0.1751	-0.1751	0.6781	5	<i>SYNGR3</i>
ENSG00000003402	0.3806	0.5863	1.0628	5	<i>CFLAR</i>

ENSG00000171302	0.2074	0.1348	0.5600	5	<i>CANT1</i>
ENSG00000085063	0.5259	0.4775	0.6471	5	<i>CD59</i>
ENSG00000134086	0.4188	0.4854	0.6101	5	<i>VHL</i>
ENSG00000106266	0.1691	-0.0661	0.5486	5	<i>SNX8</i>
ENSG00000215461	0.5801	0.7194	0.9706	5	<i>SERPINE3</i>
ENSG00000173599	0.4617	0.3908	0.9189	5	<i>PC</i>
ENSG00000131797	0.3585	0.4425	0.5972	5	<i>C16orf67</i>
ENSG00000145506	-0.1624	0.2830	0.7522	5	<i>NKD2</i>
ENSG00000101439	0.5038	0.2377	0.8408	5	<i>CST3</i>
ENSG00000177706	0.1161	-0.2752	0.8971	5	<i>FAM20C</i>
ENSG00000185950	0.4012	0.3426	0.5761	5	<i>IRS2</i>
ENSG00000105339	0.3353	0.3119	1.1800	5	<i>DENND3</i>
ENSG00000136002	0.1435	0.3249	0.6126	5	<i>ARHGEF4</i>
ENSG00000080815	0.1246	0.4414	0.7789	5	<i>PSEN1</i>
ENSG00000179855	0.7687	0.2895	1.5119	5	<i>GIPC3</i>
ENSG00000174038	-0.0780	0.4663	0.8235	5	<i>C9orf131</i>
ENSG00000104695	0.2563	0.2496	0.7655	5	<i>PPP2CB</i>
ENSG00000139178	0.3436	0.2032	0.5687	5	<i>C1RL</i>
ENSG00000149289	0.4702	0.8630	1.2005	5	<i>ZC3H12C</i>
ENSG00000101321	-0.5564	-0.5249	-0.4941	5	<i>XKR7</i>
ENSG00000121210	0.2180	0.1610	0.7142	5	<i>KIAA0922</i>
ENSG00000104635	0.1728	0.1651	0.5511	5	<i>SLC39A14</i>
ENSG00000027697	0.7960	1.0995	1.4695	5	<i>IFNGR1</i>
ENSG00000146278	0.1094	0.3601	1.0557	5	<i>PNRC1</i>
ENSG00000133639	0.3649	0.2298	0.6884	5	<i>BTG1</i>
ENSG00000177311	0.3702	0.5852	0.8542	5	<i>ZBTB38</i>
ENSG00000007545	0.2196	0.1095	0.5753	5	<i>CRAMP1L</i>
ENSG00000103811	0.2269	0.1857	0.6369	5	<i>CTSH</i>
ENSG00000164576	0.3551	0.3811	0.5624	5	<i>SAP30L</i>
ENSG00000107223	0.1468	0.4279	1.0086	5	<i>EDF1</i>
ENSG00000185022	0.4346	0.3675	1.0603	5	<i>MAFF</i>
ENSG00000169184	0.0315	-0.0448	0.7880	5	<i>MNI</i>
ENSG00000180758	-0.0689	0.2869	0.5721	5	<i>GPR157</i>
ENSG00000131669	0.3219	0.6206	1.4396	5	<i>NINJ1</i>
ENSG00000134851	0.2115	0.5648	0.8283	5	<i>TMEM165</i>
ENSG00000023445	0.9457	1.4665	2.2683	5	<i>BIRC3</i>
ENSG00000167522	0.3306	0.2084	0.6681	5	<i>ANKRD11</i>
ENSG00000141452	0.4117	0.6355	1.3015	5	<i>C18orf8</i>
ENSG00000162552	0.2150	0.3825	0.8365	5	<i>WNT4</i>
ENSG00000135631	0.0075	-0.1098	0.5311	5	<i>RAB11FIP5</i>
ENSG00000125995	0.5571	0.7068	0.8969	5	<i>C20orf52</i>
ENSG00000125872	0.1979	0.1793	0.6939	5	<i>LRRN4</i>
ENSG00000135596	0.1887	0.4282	1.1220	5	<i>MICAL1</i>
ENSG00000129749	0.2663	0.0943	0.7447	5	<i>CHRNA10</i>
ENSG00000169155	0.2259	0.3935	0.5478	5	<i>ZBTB43</i>
ENSG00000011132	0.3905	0.3905	0.8018	5	<i>APBA3</i>
ENSG00000176407	0.2120	0.1392	0.5305	5	<i>KCMF1</i>
ENSG00000165572	0.4081	0.2996	0.5850	5	<i>KBTD6</i>
ENSG00000167106	0.3369	0.0609	0.7370	5	<i>FAM102A</i>
ENSG00000113448	0.5710	0.5278	0.6266	5	<i>PDE4D</i>
ENSG00000116809	0.2923	0.0825	0.5192	5	<i>ZBTB17</i>
ENSG00000149115	0.2730	0.4346	0.9792	5	<i>TNKS1BP1</i>
ENSG00000137699	0.8786	0.3911	1.4146	5	<i>TRIM29</i>
ENSG00000141867	0.0371	0.3356	0.6880	5	<i>BRD4</i>
ENSG00000163870	0.2333	0.2333	0.9768	5	<i>GPR175</i>
ENSG00000103642	0.0089	0.4611	0.7529	5	<i>LACTB</i>
ENSG00000147854	0.3795	0.5334	0.6542	5	<i>UHRF2</i>
ENSG00000141527	0.0278	0.2228	0.7548	5	<i>CARD14</i>
ENSG00000180628	0.3932	0.2786	0.6077	5	<i>PCGF5</i>
ENSG00000198792	0.1749	-0.0190	0.5826	5	<i>TMEM184B</i>
ENSG00000126005	0.2996	0.2337	0.6111	5	<i>EIF6</i>
ENSG00000125733	0.1439	0.0789	0.5759	5	<i>TRIP10</i>

ENSG00000112414	0.6141	0.5449	0.9551	5	<i>GPR126</i>
ENSG00000166123	0.3479	0.1223	0.6165	5	<i>GPT2</i>
ENSG00000166289	0.4699	0.1536	0.8583	5	<i>PLEKHF1</i>
ENSG00000127511	0.1487	-0.2450	0.8960	5	<i>SIN3B</i>
ENSG00000152518	0.3293	0.3145	0.8745	5	<i>ZFP36L2</i>
ENSG00000143590	0.3103	0.1890	0.7570	5	<i>EFNA3</i>
ENSG00000136826	-0.1237	0.1140	0.7290	5	<i>KLF4</i>
ENSG00000165389	0.5448	0.4972	0.7491	5	<i>C14orf147</i>
ENSG00000105854	0.4933	0.4953	0.5284	5	<i>PON2</i>
ENSG00000164405	0.5146	0.5146	0.6077	5	<i>UQCRCQ</i>
ENSG00000120690	0.4555	-0.0108	1.0335	5	<i>ELF1</i>
ENSG00000061656	0.4279	0.0671	0.8269	5	<i>SPAG4</i>
ENSG00000104228	-0.0726	0.2879	0.5642	5	<i>TRIM35</i>
ENSG00000149798	0.1176	-0.0986	0.7233	5	<i>CDC42EP2</i>
ENSG00000183726	0.1317	0.1793	0.5419	5	<i>TMEM50A</i>
ENSG00000215121	-0.5952	-0.5059	-0.0205	5	<i>AC107952.5</i>
ENSG00000160223	-0.5790	0.0353	0.6125	5	<i>ICOSLG</i>
ENSG00000127191	-0.0070	0.2372	0.5343	5	<i>TRAF2</i>
ENSG00000102858	0.1491	-0.1344	0.5594	5	<i>MGRN1</i>
ENSG00000214900	0.4528	0.5239	0.8421	5	<i>ALI17692.5-202</i>
ENSG00000130311	0.0536	0.1748	0.5850	5	<i>DDA1</i>
ENSG00000147382	0.1349	0.0000	0.9275	5	<i>FAM58A</i>
ENSG00000143878	0.1793	0.2613	0.6807	5	<i>RHOB</i>
ENSG00000103496	0.3395	0.4406	0.6141	5	<i>STX4</i>
ENSG00000100219	0.3055	0.3626	0.5866	5	<i>XBPI</i>
ENSG00000197381	0.3443	0.3677	0.5944	5	<i>ADARB1</i>
ENSG00000104886	0.0000	-0.2157	0.5850	5	<i>PLEKHJ1</i>
ENSG00000171282	0.0885	-0.0590	0.5207	5	<i>AC139149.5</i>
ENSG00000197956	-0.1890	0.4339	0.9745	5	<i>SI00A6</i>
ENSG00000150991	0.1424	-0.0841	0.6119	5	<i>UBC</i>
ENSG00000125637	0.1927	-0.2479	0.7585	5	<i>PSD4</i>
ENSG00000173976	-0.2321	0.2369	0.6401	5	<i>RAX2</i>
ENSG00000163874	0.2910	0.5518	1.3798	5	<i>ZC3H12A</i>
ENSG00000145911	-0.0882	-0.4564	0.5352	5	<i>AC136632.3-201</i>
ENSG00000102554	0.3348	0.5063	0.8447	5	<i>KLF5</i>
ENSG00000177947	0.1699	-0.2630	1.1964	5	<i>ODF3</i>
ENSG00000099953	-0.0175	-0.1656	0.5198	5	<i>MMP11</i>
ENSG00000051523	-0.5447	-0.3471	0.2417	5	<i>CYBA</i>
ENSG00000182264	0.2224	-0.0704	0.6301	5	<i>IZUMO1</i>
ENSG00000179523	0.2500	-0.0395	0.5719	5	<i>AC009996.7</i>
ENSG00000064932	0.0774	-0.1261	0.5146	5	<i>SBNO2</i>
ENSG00000173156	0.1985	0.2591	0.9881	5	<i>RHOD</i>
ENSG00000183092	-0.2808	0.2297	0.5779	5	<i>BEGAIN</i>
ENSG00000023572	0.3234	0.1963	0.5581	5	<i>GLRX2</i>
ENSG00000123329	0.3515	0.0806	0.7469	5	<i>ARHGAP9</i>
ENSG00000159882	0.2746	0.3032	0.6157	5	<i>ZNF230</i>
ENSG00000143321	0.0535	-0.0351	0.5121	5	<i>HDGF</i>
ENSG00000171223	0.5771	0.1354	1.0916	5	<i>JUNB</i>
ENSG00000148384	0.1325	-0.1613	0.5850	5	<i>INPP5E</i>
ENSG00000146112	0.1442	0.4603	1.0717	5	<i>KIAA1949</i>
ENSG00000137404	0.0104	0.1009	0.5208	5	<i>NRM</i>
ENSG00000144655	0.5907	0.5198	0.9559	5	<i>AXUD1</i>
ENSG00000103502	0.1255	0.0849	0.8383	5	<i>CDIPT</i>
ENSG00000050820	0.1017	-0.1491	0.7760	5	<i>BCAR1</i>
ENSG00000164880	0.0897	0.2539	0.5495	5	<i>INTS1</i>
ENSG00000143793	0.7737	0.2553	1.4552	5	<i>C1orf35</i>
ENSG00000196576	-0.2500	-0.6913	0.3350	5	<i>PLXNB2</i>
ENSG00000132481	0.2301	0.3198	1.0740	5	<i>TRIM47</i>
ENSG00000141934	-0.4731	-0.3297	-0.0962	5	<i>PPAP2C</i>
ENSG00000164877	0.1951	0.0000	0.9800	5	<i>MICALL2</i>
ENSG00000157778	0.0256	-0.0130	0.5255	5	<i>PSMG3</i>
ENSG00000198910	-0.4725	-0.4281	-0.2246	5	<i>LICAM</i>

ENSG00000007516	0.3749	-0.0815	1.1787	5	<i>BAIAP3</i>
ENSG00000127578	-0.5850	-1.1193	0.0671	5	<i>WFIKKN1</i>
ENSG00000198467	-0.4996	-0.3044	0.2747	5	<i>TPM2</i>
ENSG00000103326	0.0067	-0.3286	0.5715	5	<i>SOLH</i>
ENSG00000087085	-0.2818	-0.6504	0.1543	5	<i>ACHE</i>
ENSG00000176170	0.0000	-0.6245	0.7447	5	<i>SPHK1</i>
ENSG00000188643	0.4195	0.1210	0.8480	5	<i>SI00A16</i>
ENSG00000182325	0.6485	0.0759	1.3141	5	<i>FBXL6</i>
ENSG00000006327	-0.8425	-0.7004	0.1325	5	<i>TNFRSF12A</i>
ENSG00000204057	1.4776	0.4906	0.9724	6	<i>AC093420.2</i>
ENSG00000167578	0.6049	-0.3370	-0.0772	6	<i>RAB4B</i>
ENSG00000185669	0.0332	-0.9538	-0.7940	6	<i>SNAI3</i>
ENSG00000214531	-0.0525	-0.6863	-0.4288	6	<i>AC131157.4-203</i>
ENSG00000187792	0.4854	-0.2150	-0.1155	6	<i>ZNF70</i>
ENSG00000185432	0.9516	-0.3180	0.1926	6	<i>METTL7A</i>
ENSG00000214447	0.5850	0.0952	0.2955	6	<i>FAM187A</i>
ENSG00000099957	0.5428	-0.5585	-0.0919	6	<i>P2RX6</i>
ENSG00000215022	0.3044	-0.8673	-0.5806	6	<i>AL008729.1</i>
ENSG00000008513	0.7349	-0.2901	0.3302	6	<i>ST3GAL1</i>
ENSG00000150510	0.5678	-0.0761	0.2216	6	<i>FAM124A</i>
ENSG00000166825	1.2726	-0.1620	0.7421	6	<i>ANPEP</i>
ENSG00000009950	0.1289	-0.9341	-0.2985	6	<i>MLXIPL</i>
ENSG00000143845	1.1997	-0.4608	0.4757	6	<i>ETNK2</i>
ENSG00000160094	0.0538	-1.1809	-0.9304	6	<i>ZNF362</i>
ENSG00000172197	0.1557	-0.6220	-0.2521	6	<i>MBOAT1</i>
ENSG00000176834	0.0859	-0.6299	-0.3522	6	<i>AC131238.3</i>
ENSG00000137834	-0.0087	-0.8934	-0.6504	6	<i>SMAD6</i>
ENSG00000108797	-0.1375	-1.1599	-0.7848	6	<i>CNTNAP1</i>
ENSG00000173653	0.5937	-0.4005	0.1175	6	<i>RCE1</i>
ENSG00000076356	0.6488	-0.3425	0.2324	6	<i>PLXNA2</i>
ENSG00000142303	-0.2415	-0.7318	-0.4099	6	<i>ADAMTS10</i>
ENSG00000131634	0.0304	-0.6477	-0.2569	6	<i>TMEM204</i>
ENSG00000171943	0.7729	0.0666	0.4708	6	<i>SRGAP2P1</i>
ENSG00000157216	0.0342	-0.7269	-0.5244	6	<i>SSBP3</i>
ENSG00000012822	0.8745	0.1213	0.2756	6	<i>CALCOCO1</i>
ENSG00000117266	-0.1194	-0.7828	-0.4343	6	<i>PCTK3</i>
ENSG00000156675	0.7785	0.1390	0.4977	6	<i>RAB11FIP1</i>
ENSG00000189051	0.2429	-1.0995	-0.5493	6	<i>AC026130.15</i>
ENSG00000101040	0.7266	-0.5020	0.2634	6	<i>ZMYND8</i>
ENSG00000154102	-0.0657	-0.8716	-0.4327	6	<i>C16orf74</i>
ENSG00000087258	0.5334	-0.5043	0.0183	6	<i>GNAO1</i>
ENSG00000143416	0.5208	-0.4647	-0.1778	6	<i>SELENBP1</i>
ENSG00000162804	0.6234	-0.2814	0.1065	6	<i>SNED1</i>
ENSG00000088367	0.1853	-0.7638	-0.5106	6	<i>EPB41L1</i>
ENSG00000111665	-0.5979	-1.4150	-1.2224	6	<i>CDCA3</i>
ENSG00000180616	-0.2224	-1.1793	-0.9814	6	<i>SSTR2</i>
ENSG00000188827	0.1573	-0.7063	-0.4948	6	<i>BTBD12</i>
ENSG00000100360	0.1799	-0.8503	-0.3853	6	<i>RABL4</i>
ENSG00000206344	0.3530	-1.1346	-0.6582	6	<i>HCG27</i>
ENSG00000160007	0.3374	-0.6996	-0.4868	6	<i>GRLF1</i>
ENSG00000159388	1.1935	0.0133	0.7450	6	<i>BTG2</i>
ENSG00000063180	0.2163	-0.6612	-0.1567	6	<i>CA11</i>
ENSG00000073350	0.5150	-0.5056	0.0614	6	<i>LLGL2</i>
ENSG00000070915	0.0889	-1.8098	-1.2541	6	<i>SLC12A3</i>
ENSG00000072682	0.9392	-0.1171	0.2925	6	<i>P4HA2</i>
ENSG00000196689	0.0449	-0.7244	-0.4201	6	<i>TRPV1</i>
ENSG00000092964	0.5447	-0.3022	0.2762	6	<i>DPYSL2</i>
ENSG00000204176	0.4039	-0.8260	0.0074	6	<i>SYT15</i>
ENSG00000179241	0.5041	-0.0256	0.2368	6	<i>LDLRAD3</i>
ENSG00000138794	0.5282	-0.3800	-0.1269	6	<i>CASP6</i>
ENSG00000100266	0.4814	-0.1188	0.2405	6	<i>PACSLN2</i>
ENSG00000147642	1.2255	-0.3367	0.7275	6	<i>AC079061.8</i>

ENSG00000197363	0.6952	-0.0465	0.1725	6	<i>ZNF517</i>
ENSG00000005448	-0.0995	-1.3833	-1.2630	6	<i>WDR54</i>
ENSG00000122299	0.4812	-0.0635	0.3194	6	<i>ZC3H7A</i>
ENSG00000178199	0.2087	-0.7621	-0.1657	6	<i>ZC3H12D</i>
ENSG00000205309	0.5686	-0.3749	0.0716	6	<i>NT5M</i>
ENSG00000029993	-0.3445	-0.6503	-0.5348	6	<i>HMGB3</i>
ENSG00000169964	0.5585	0.0515	0.2847	6	<i>TMEM42</i>
ENSG00000057294	1.5917	-0.3064	0.8039	6	<i>PKP2</i>
ENSG00000168738	0.5960	-0.0426	0.3146	6	<i>C18orf58</i>
ENSG00000179954	0.1968	-0.6352	-0.2591	6	<i>AC008735.9-201</i>
ENSG00000161643	0.7885	-1.0444	-0.1375	6	<i>SIGLECP16</i>
ENSG00000130635	0.8135	-0.6241	0.1997	6	<i>COL5A1</i>
ENSG00000171970	0.9933	-0.0406	0.2224	6	<i>ZNF57</i>
ENSG00000181495	0.0682	-1.8667	-1.7063	6	<i>C5orf23</i>
ENSG00000163993	1.4701	-0.8015	0.5928	6	<i>SI00P</i>
ENSG00000215068	0.8074	-0.1019	0.1553	6	<i>AC025171.8</i>
ENSG00000034713	0.0171	-0.6052	-0.5121	6	<i>GABARAPL2</i>
ENSG00000184381	0.1447	-0.6235	-0.2485	6	<i>PLA2G6</i>
ENSG00000188931	0.5952	-0.1283	0.0601	6	<i>C1orf192</i>
ENSG00000175388	0.7716	-0.0691	0.4588	6	<i>FAM38B2</i>
ENSG00000103056	-0.2140	-0.7672	-0.5041	6	<i>SMPD3</i>
ENSG00000115041	0.3430	-0.7678	-0.1125	6	<i>KCNIP3</i>
ENSG00000101417	0.1539	-0.9530	-0.5519	6	<i>PXMP4</i>
ENSG00000117289	0.5157	-1.5906	-1.0113	6	<i>TXNIP</i>
ENSG00000139908	0.7182	-0.2538	0.2157	6	<i>TSSK4</i>
ENSG00000104805	0.3175	-0.7494	-0.2764	6	<i>NUCB1</i>
ENSG00000163701	0.5727	0.2045	0.3380	6	<i>IL17RE</i>
ENSG00000166997	0.0421	-0.8050	-0.7322	6	<i>CNPY4</i>
ENSG00000171522	0.6602	0.1993	0.3112	6	<i>PTGER4</i>
ENSG00000132386	0.2889	-1.7004	-1.2960	6	<i>SERPINF1</i>
ENSG00000196369	0.6596	-0.2874	-0.0930	6	<i>BX537114.2</i>
ENSG00000110090	0.0228	-0.7076	-0.5315	6	<i>CPT1A</i>
ENSG00000170382	-0.1347	-0.5452	-0.5160	6	<i>LRRN2</i>
ENSG00000163354	0.9160	-0.9166	0.0339	6	<i>DCST2</i>
ENSG00000113916	0.9156	-0.3056	0.1728	6	<i>BCL6</i>
ENSG00000130202	0.2205	-0.9700	-0.3964	6	<i>PVRL2</i>
ENSG00000159214	0.2583	-1.3326	-0.2801	6	<i>CCDC24</i>
ENSG00000110921	-0.1981	-0.8155	-0.5689	6	<i>MVK</i>
ENSG00000167107	1.3261	-0.7067	0.5885	6	<i>ACSF2</i>
ENSG00000160844	0.3243	-0.8935	-0.2127	6	<i>AC073842.5-201</i>
ENSG00000156671	0.5025	0.0305	0.1876	6	<i>SAMD8</i>
ENSG00000158882	0.5146	-0.2572	0.0291	6	<i>TOMM40L</i>
ENSG00000183628	1.8182	-0.7885	0.9220	6	<i>DGCR6</i>
ENSG00000146221	0.2630	-0.6721	-0.1912	6	<i>TCTE1</i>
ENSG00000165300	0.0888	-0.9329	-0.5510	6	<i>SLITRK5</i>
ENSG00000116990	-0.3692	-1.1816	-0.9245	6	<i>MYCL1</i>
ENSG00000136811	0.0544	-0.7776	-0.3429	6	<i>ODF2</i>
ENSG00000129646	0.4926	-1.1689	-0.3177	6	<i>QRICH2</i>
ENSG00000213853	0.8459	-0.5574	0.0968	6	<i>EMP2</i>
ENSG00000131381	0.7297	0.0060	0.1099	6	<i>ZFYVE20</i>
ENSG00000154864	0.5344	-0.0432	0.3022	6	<i>FAM38B</i>
ENSG00000135835	0.0663	-0.8931	-0.5850	6	<i>KIAA1614</i>
ENSG00000125089	1.7840	-1.5182	0.5180	6	<i>SH3TC1</i>
ENSG00000187942	0.1280	-0.6930	-0.2780	6	<i>LDLRAD2</i>
ENSG00000162614	0.7951	0.2575	0.6252	6	<i>NEXN</i>
ENSG00000148175	0.7633	-0.0881	0.5070	6	<i>STOM</i>
ENSG00000082781	0.4085	-0.6926	-0.2390	6	<i>ITGB5</i>
ENSG00000220549	0.7564	-0.5827	0.2996	6	<i>AC004832.3-206</i>
ENSG00000197043	-0.1945	-0.8575	-0.6022	6	<i>ANXA6</i>
ENSG00000076826	1.0069	-0.4910	0.5187	6	<i>KIAA1543</i>
ENSG00000139540	0.7814	0.0000	0.3038	6	<i>SLC39A5</i>
ENSG00000105429	0.1636	-0.8043	-0.3341	6	<i>MEGF8</i>

ENSG00000158985	0.5191	0.0668	0.2220	6	<i>CDC42SE2</i>
ENSG00000182310	-0.2544	-0.6890	-0.6123	6	<i>AC018755.3-202</i>
ENSG00000171552	0.5260	-0.5286	0.0482	6	<i>BCL2L1</i>
ENSG00000180834	0.7870	-0.3870	-0.0142	6	<i>MAP6D1</i>
ENSG00000180304	0.0133	-0.6674	-0.6052	6	<i>OAZ2</i>
ENSG00000170619	0.6815	0.0000	0.4420	6	<i>COMMD5</i>
ENSG00000139832	0.0868	-0.6923	-0.3039	6	<i>RAB20</i>
ENSG00000168874	0.4843	-0.9839	-0.0834	6	<i>ATOH8</i>
ENSG00000143434	0.7760	-0.6352	0.0956	6	<i>SEMA6C</i>
ENSG00000138835	0.0309	-0.6350	-0.3479	6	<i>RGS3</i>
ENSG00000068724	0.4093	-0.9222	-0.2487	6	<i>TTC7A</i>
ENSG00000100246	0.0123	-0.7829	-0.2705	6	<i>DNAL4</i>
ENSG00000010292	0.0471	-1.1408	-1.0615	6	<i>NCAPD2</i>
ENSG00000197734	0.0656	-0.6189	-0.5683	6	<i>C14orf178</i>
ENSG00000124762	1.4279	0.0671	1.0000	6	<i>CDKN1A</i>
ENSG00000140497	0.4866	-0.4082	-0.0808	6	<i>SCAMP2</i>
ENSG00000162399	-0.5389	-1.3126	-1.2224	6	<i>BSND</i>
ENSG00000037042	0.5174	-0.2130	-0.0142	6	<i>TUBG2</i>
ENSG00000186261	1.0740	-1.3410	-0.4666	6	<i>AC027277.5</i>
ENSG00000119138	0.7108	0.0100	0.2927	6	<i>KLF9</i>
ENSG00000172493	0.8420	-0.0822	0.1747	6	<i>AFF1</i>
ENSG00000117054	0.5511	-0.1260	-0.0721	6	<i>ACADM</i>
ENSG00000162144	0.4361	-0.6992	-0.5529	6	<i>CYBASC3</i>
ENSG00000080031	0.7087	-0.0774	0.4338	6	<i>PTPRH</i>
ENSG00000171097	0.8159	-0.6426	0.2385	6	<i>CCBL1</i>
ENSG00000182054	0.1355	-0.6976	-0.2349	6	<i>IDH2</i>
ENSG00000117479	1.0418	0.4044	0.8114	6	<i>SLC19A2</i>
ENSG00000140451	0.3435	-2.2172	-1.2538	6	<i>C15orf20</i>
ENSG00000161241	-0.0494	-0.7145	-0.3317	6	<i>FBXO17</i>
ENSG00000099795	0.4854	-0.2964	-0.1751	6	<i>NDUFB7</i>
ENSG00000136802	0.7895	-0.5279	0.3126	6	<i>LRRC8A</i>
ENSG00000132376	0.2815	-1.0519	-0.2695	6	<i>SKIP</i>
ENSG00000196847	0.1566	-0.8189	-0.2834	6	<i>AP001629.1</i>
ENSG00000134575	0.1453	-0.8826	-0.6347	6	<i>ACP2</i>
ENSG00000164626	-0.2536	-0.6615	-0.4883	6	<i>KCNK5</i>
ENSG00000112984	0.2027	-0.6509	-0.4726	6	<i>KIF20A</i>
ENSG00000121848	0.5252	0.1855	0.3343	6	<i>RNF115</i>
ENSG00000167986	0.7282	-0.0036	0.3048	6	<i>DDB1</i>
ENSG00000129353	0.2198	-1.3265	-0.8944	6	<i>SLC44A2</i>
ENSG00000196498	0.3168	-0.6254	-0.1106	6	<i>NCOR2</i>
ENSG00000137497	0.1547	-0.6872	-0.4851	6	<i>NUMA1</i>
ENSG00000162063	0.0152	-1.7660	-1.4987	6	<i>CCNF</i>
ENSG00000131061	-0.0608	-0.7497	-0.4768	6	<i>ZNF341</i>
ENSG00000118181	-0.2204	-0.6401	-0.4640	6	<i>RPS25</i>
ENSG00000007372	0.0810	-0.6875	-0.3193	6	<i>PAX6</i>
ENSG00000182885	0.0893	-0.6357	-0.2785	6	<i>GPR97</i>
ENSG00000102897	0.5160	-0.1197	-0.0706	6	<i>LYRM1</i>
ENSG00000173402	0.0525	-0.6436	-0.5163	6	<i>DAG1</i>
ENSG00000169992	-0.1337	-1.1478	-0.7541	6	<i>NLGN2</i>
ENSG00000173898	0.0673	-0.6813	-0.2859	6	<i>SPTBN2</i>
ENSG00000105438	0.7133	0.1283	0.2742	6	<i>KDELR1</i>
ENSG00000111305	0.4032	-0.6409	0.0104	6	<i>GSG1</i>
ENSG00000160097	0.1716	-1.2479	-0.7370	6	<i>FNDCC5</i>
ENSG00000147459	0.9301	-0.2516	0.5497	6	<i>DOCK5</i>
ENSG00000183773	0.4772	-0.3219	-0.0831	6	<i>AIFM3</i>
ENSG00000125319	0.5396	-0.0491	0.3209	6	<i>C17orf53</i>
ENSG00000173546	0.5194	-1.0161	-0.2065	6	<i>CSPG4</i>
ENSG00000204060	0.2786	-0.7828	-0.1251	6	<i>FOXO6</i>
ENSG00000088305	-0.1252	-0.8398	-0.4303	6	<i>DNMT3B</i>
ENSG00000145912	-0.0444	-0.9691	-0.8405	6	<i>NOLA2</i>
ENSG000000001617	0.1341	-1.0041	-0.3864	6	<i>SEMA3F</i>
ENSG00000167283	0.6339	0.5683	0.6015	6	<i>ATP5L</i>

ENSG00000013288	0.7445	-0.8632	0.1505	6	<i>MAN2B2</i>
ENSG000000143819	-0.0333	-0.6445	-0.3449	6	<i>EPHX1</i>
ENSG000000124006	0.3892	-0.7215	-0.1264	6	<i>OBSL1</i>
ENSG000000196187	-0.0947	-0.6809	-0.3643	6	<i>TMEM63A</i>
ENSG000000112039	0.0494	-0.6738	-0.2760	6	<i>FANCE</i>
ENSG000000125648	0.1330	-0.7180	-0.4042	6	<i>SLC25A23</i>
ENSG000000149639	0.1041	-0.9704	-0.4518	6	<i>C20orf117</i>
ENSG000000121310	0.0488	-0.8917	-0.7183	6	<i>ECHDC2</i>
ENSG000000113384	0.5576	0.2256	0.4480	6	<i>GOLPH3</i>
ENSG000000148985	-0.1265	-0.6218	-0.4231	6	<i>AC090587.1</i>
ENSG000000140416	1.2245	-0.2973	0.7318	6	<i>TPM1</i>
ENSG000000116285	1.6854	-0.2459	1.0786	6	<i>ERRFI1</i>
ENSG000000117281	0.7724	-0.5066	-0.1431	6	<i>CD160</i>
ENSG000000140931	0.5268	-0.4564	0.0716	6	<i>CMTM3</i>
ENSG000000101665	-0.1342	-0.6480	-0.4535	6	<i>SMAD7</i>
ENSG000000008382	0.8147	-0.3479	0.4021	6	<i>MPND</i>
ENSG000000203988	0.5265	-0.2630	0.0171	6	<i>AL590627.25</i>
ENSG000000187860	0.4948	-0.2556	0.0819	6	<i>AC004997.2-202</i>
ENSG000000221912	-0.0852	-0.6828	-0.6088	6	<i>PDXP</i>
ENSG000000140044	0.3459	-0.6815	-0.2067	6	<i>JDP2</i>
ENSG000000142871	-0.6219	-1.4555	-1.3723	6	<i>CYR61</i>
ENSG000000176029	0.0389	-0.6209	-0.2773	6	<i>C11orf16</i>
ENSG000000119227	0.2082	-0.7304	-0.2512	6	<i>PIGZ</i>
ENSG000000140575	0.6056	0.0544	0.3937	6	<i>IQGAP1</i>
ENSG000000105928	0.6462	0.1097	0.4393	6	<i>DFNA5</i>
ENSG000000126705	0.8531	-0.5971	0.1062	6	<i>AHDC1</i>
ENSG000000163157	0.0087	-0.6202	-0.2561	6	<i>TMOD4</i>
ENSG000000096060	2.1265	-0.3013	1.3113	6	<i>FKBP5</i>
ENSG000000186318	0.3337	-0.9674	-0.5174	6	<i>BACE1</i>
ENSG000000164087	0.2358	-0.7370	-0.4854	6	<i>WDR51A</i>
ENSG000000151500	0.6674	0.0000	0.3276	6	<i>THYN1</i>
ENSG000000108175	0.4459	-0.7550	-0.0248	6	<i>ZMIZ1</i>
ENSG000000089775	0.5116	0.0651	0.3234	6	<i>ZBTB25</i>
ENSG000000185920	-0.0951	-0.7410	-0.5237	6	<i>PTCH1</i>
ENSG000000124104	-0.0987	-0.6900	-0.6521	6	<i>SNX21</i>
ENSG000000141012	0.2524	-0.9120	-0.1449	6	<i>GALNS</i>
ENSG000000005889	1.6411	0.0344	1.0420	6	<i>ZFX</i>
ENSG000000063169	0.3772	-1.0000	-0.4872	6	<i>GLTSCR1</i>
ENSG000000161640	-0.4278	-0.6781	-0.6630	6	<i>SIGLEC11</i>
ENSG000000125611	0.0931	-0.6974	-0.3219	6	<i>CHCHD5</i>
ENSG000000164442	0.5712	-0.2964	0.1186	6	<i>CITED2</i>
ENSG000000180638	0.0885	-0.8031	-0.4832	6	<i>SLC47A2</i>
ENSG000000119723	0.5496	-0.0949	0.0000	6	<i>COQ6</i>
ENSG000000092758	0.7889	-1.0435	-0.1268	6	<i>COL9A3</i>
ENSG000000164237	0.2776	-0.7066	-0.4210	6	<i>CMBL</i>
ENSG000000088325	0.1004	-0.7826	-0.7050	6	<i>TPX2</i>
ENSG000000114395	0.4938	0.0000	0.1927	6	<i>CYB561D2</i>
ENSG000000155252	0.9523	-0.5564	0.2388	6	<i>C10orf65</i>
ENSG000000170190	0.1046	-0.6403	-0.1478	6	<i>SLC16A5</i>
ENSG000000144567	-0.1402	-0.6674	-0.2955	6	<i>FAM134A</i>
ENSG000000184674	0.4522	-0.6238	-0.2247	6	<i>GSTT1</i>
ENSG000000156858	0.5489	-0.6674	0.1759	6	<i>PRR14</i>
ENSG000000100983	-0.4269	-0.6457	-0.6307	6	<i>GSS</i>
ENSG000000105552	0.5279	-0.7398	-0.0864	6	<i>BCAT2</i>
ENSG000000164776	0.1638	-1.1005	-0.6670	6	<i>PHKG1</i>
ENSG000000134222	0.0437	-1.8524	-1.4988	6	<i>PSRC1</i>
ENSG000000129534	0.4834	-0.0698	0.0354	6	<i>C14orf106</i>
ENSG000000170037	0.2115	-0.6899	-0.4179	6	<i>CNTROB</i>
ENSG000000175701	0.5771	0.2787	0.4091	6	<i>AC092664.2</i>
ENSG000000197256	0.3462	-1.0856	-0.5111	6	<i>KANK2</i>
ENSG000000174282	0.1484	-0.8906	-0.4317	6	<i>ZBTB4</i>
ENSG000000166246	0.3219	-0.8007	-0.1624	6	<i>C16orf71</i>

ENSG00000205336	0.2122	-0.7343	-0.4177	6	<i>GPR56</i>
ENSG00000114853	-0.0780	-1.3004	-0.6803	6	<i>ZBTB47</i>
ENSG00000197226	0.1086	-0.6937	-0.3649	6	<i>TBC1D9B</i>
ENSG00000178826	0.2020	-0.8955	-0.3578	6	<i>TMEM139</i>
ENSG00000123136	0.0677	-0.6593	-0.2923	6	<i>DDX39</i>
ENSG00000165458	0.3886	-0.6671	0.0273	6	<i>INPPL1</i>
ENSG00000078804	-0.1026	-0.6280	-0.5025	6	<i>TP53INP2</i>
ENSG00000184436	0.5677	-0.1069	0.3219	6	<i>THAP7</i>
ENSG00000219979	0.3135	-1.1015	-0.3290	6	<i>RP11-216N14.5</i>
ENSG00000126351	0.1387	-1.1205	-0.5957	6	<i>THRA</i>
ENSG00000156398	0.1642	-0.6692	-0.5396	6	<i>SFXN2</i>
ENSG00000075218	0.1502	-1.2551	-0.8993	6	<i>GTSE1</i>
ENSG00000142765	1.7254	-0.3708	0.8797	6	<i>SYTL1</i>
ENSG00000222046	0.1781	-0.7057	-0.1912	6	<i>DCDC2B</i>
ENSG00000220624	0.3009	-0.7866	-0.0211	6	<i>AC007050.18</i>
ENSG00000099308	0.1914	-0.8895	-0.2383	6	<i>MAST3</i>
ENSG00000185133	0.5435	-1.2130	-0.5850	6	<i>PIB5PA</i>
ENSG00000099203	0.0412	-1.1778	-0.3671	6	<i>TMED1</i>
ENSG00000092010	0.2306	-1.0194	-0.7694	6	<i>PSME1</i>
ENSG00000197165	0.0736	-0.9050	-0.3486	6	<i>SULT1A2</i>
ENSG00000157353	-0.0166	-1.0000	-0.6503	6	<i>FUK</i>
ENSG00000102384	0.2312	-0.9188	-0.6330	6	<i>CENPI</i>
ENSG00000147224	0.6065	-0.2351	0.1096	6	<i>PRPS1</i>
ENSG00000005238	0.6960	-0.6897	0.0144	6	<i>KIAA1539</i>
ENSG00000149483	-0.1956	-0.7689	-0.5850	6	<i>TMEM138</i>
ENSG00000105662	0.5380	-0.6217	0.1166	6	<i>CRTC1</i>
ENSG00000167740	0.5326	-0.6240	0.0593	6	<i>CYB5D2</i>
ENSG00000169710	-0.2556	-0.9631	-0.4718	6	<i>FASN</i>
ENSG00000105647	0.0225	-0.8291	-0.3529	6	<i>PIK3R2</i>
ENSG00000175938	0.4279	-0.9661	-0.5343	6	<i>ORAI3</i>
ENSG00000176994	0.1313	-0.7850	-0.6374	6	<i>SMCR8</i>
ENSG00000064205	0.5585	-0.3156	0.1185	6	<i>WISP2</i>
ENSG00000160014	0.1014	-0.8809	-0.4571	6	<i>CALM3</i>
ENSG00000010322	-0.0583	-0.7953	-0.3077	6	<i>NISCH</i>
ENSG00000143365	0.4017	-1.4613	-0.8284	6	<i>RORC</i>
ENSG00000149150	0.0969	-0.8393	-0.5127	6	<i>SLC43A1</i>
ENSG00000111319	1.3943	-0.5410	0.7658	6	<i>SCNN1A</i>
ENSG00000213347	-0.1468	-0.8112	-0.6084	6	<i>MXD3</i>
ENSG00000188493	0.1304	-0.7337	-0.1760	6	<i>C19orf54</i>
ENSG00000114859	0.2026	-0.8164	-0.1772	6	<i>CLCN2</i>
ENSG00000127663	0.0823	-0.6876	-0.1831	6	<i>JMJD2B</i>
ENSG00000141750	0.8301	-0.1500	0.2895	6	<i>STAC2</i>
ENSG00000198353	-0.1247	-0.6898	-0.5070	6	<i>HOXC4</i>
ENSG00000125844	0.5157	-0.4805	0.1995	6	<i>RRBP1</i>
ENSG00000123815	0.2070	-0.8964	-0.5434	6	<i>ADCK4</i>
ENSG00000204366	0.4218	-0.8210	-0.1132	6	<i>ZBTB12</i>
ENSG00000198198	0.1994	-0.6202	-0.3114	6	<i>C1orf84</i>
ENSG00000162746	0.5443	-0.6308	0.0875	6	<i>FCRLB</i>
ENSG00000220038	0.5361	-1.1520	-0.4639	6	<i>THA1P</i>
ENSG00000149503	0.3389	-1.1218	-0.7646	6	<i>INCENP</i>
ENSG00000146828	0.1375	-0.7542	-0.1751	6	<i>SLC12A9</i>
ENSG00000197208	0.8682	-0.4773	0.4158	6	<i>SLC22A4</i>
ENSG00000100106	0.0524	-0.7566	-0.2174	6	<i>TRIOBP</i>
ENSG00000169230	0.3004	-1.2955	-0.3973	6	<i>PRELID1</i>
ENSG00000124659	0.6179	0.2607	0.4186	6	<i>TBCC</i>
ENSG00000089159	0.4751	-0.3704	0.1230	6	<i>PXN</i>
ENSG00000011478	-0.0691	-0.6497	-0.5724	6	<i>QPCTL</i>
ENSG00000114735	0.0308	-0.7266	-0.3245	6	<i>HEMK1</i>
ENSG00000179820	0.4713	-1.2630	-0.1618	6	<i>MYADM</i>
ENSG00000179562	-0.4537	-1.3334	-1.0231	6	<i>GCCI</i>
ENSG00000214289	0.3045	-0.9296	-0.7984	6	<i>RPL39P5</i>
ENSG00000167595	0.1930	-0.8257	-0.2734	6	<i>C19orf55</i>

ENSG00000108389	-0.0287	-0.7528	-0.4198	6	<i>MTMR4</i>
ENSG00000183864	0.7686	-0.1939	0.3202	6	<i>TOB2</i>
ENSG00000110057	-0.0772	-1.6781	-0.5850	6	<i>UNC93B1</i>
ENSG00000166851	0.3051	-1.4503	-1.0105	6	<i>PLK1</i>
ENSG00000160953	0.0780	-0.6674	-0.3049	6	<i>MUM1</i>
ENSG00000170469	0.4822	-0.2224	0.1313	6	<i>AC135457.2-201</i>
ENSG00000076706	-0.0133	-0.6389	-0.1983	6	<i>MCAM</i>
ENSG00000105379	-0.0837	-0.7013	-0.3424	6	<i>ETFB</i>
ENSG00000141582	0.2410	-1.0748	-0.3165	6	<i>CBX4</i>
ENSG00000198937	0.4376	-1.0462	-0.4730	6	<i>C6orf129</i>
ENSG00000106004	0.4975	-0.4728	-0.1102	6	<i>HOXA5</i>
ENSG00000141150	-0.1091	-0.6385	-0.5105	6	<i>RASL10B</i>
ENSG00000140398	0.0343	-0.6269	-0.3750	6	<i>NEIL1</i>
ENSG00000170004	-0.2317	-0.6468	-0.6227	6	<i>CHD3</i>
ENSG00000113758	0.2694	-0.7148	-0.2726	6	<i>DBN1</i>
ENSG00000089327	-0.2119	-0.6955	-0.6209	6	<i>FXYD5</i>
ENSG00000176155	0.3342	-0.6565	-0.1920	6	<i>CCDC57</i>
ENSG00000211584	0.3656	-1.2563	-0.7482	6	<i>SLC48A1</i>
ENSG00000115163	0.0506	-0.9329	-0.6919	6	<i>CENPA</i>
ENSG00000170345	0.3949	-1.8480	-1.0000	6	<i>FOS</i>
ENSG00000002834	0.0916	-0.6806	-0.1769	6	<i>LASP1</i>
ENSG00000162931	0.1553	-1.7045	-0.6015	6	<i>TRIM17</i>
ENSG00000129270	0.0721	-0.7499	-0.5438	6	<i>MMP28</i>
ENSG00000141905	0.5398	-0.4770	0.1811	6	<i>NFIC</i>
ENSG00000130706	0.3246	-1.0833	-0.4468	6	<i>ADRM1</i>
ENSG00000172046	0.3063	-0.7176	-0.4952	6	<i>USP19</i>
ENSG00000117399	0.4005	-1.2515	-0.2260	6	<i>CDC20</i>
ENSG00000160796	-0.0223	-1.2224	-0.3763	6	<i>AC094020.2</i>
ENSG00000184113	0.4021	-1.0000	-0.0173	6	<i>CLDN5</i>
ENSG00000204991	0.1601	-0.9513	-0.3068	6	<i>SPIRE2</i>
ENSG00000160471	0.0194	-1.4546	-0.8171	6	<i>COX6B2</i>
ENSG00000117616	0.7021	-0.2081	0.2007	6	<i>C1orf63</i>
ENSG00000130304	0.0784	-0.6502	-0.1936	6	<i>SLC27A1</i>
ENSG00000182095	0.0187	-0.8356	-0.3846	6	<i>AC093376.5</i>
ENSG00000174177	0.4555	-0.7965	-0.0110	6	<i>C16orf84</i>
ENSG00000149577	0.2329	-0.8886	-0.4256	6	<i>SIDT2</i>
ENSG00000063241	-0.3923	-0.9329	-0.8074	6	<i>ISOC2</i>
ENSG00000118298	-0.1535	-1.2446	-0.8855	6	<i>CA14</i>
ENSG00000103067	0.0975	-0.9357	-0.6272	6	<i>RBM35B</i>
ENSG00000164708	0.1280	-0.7419	-0.2249	6	<i>PGAM2</i>
ENSG00000108819	-0.0571	-1.3188	-0.5726	6	<i>PPP1R9B</i>
ENSG00000139200	0.3677	-0.9542	-0.0235	6	<i>C12orf53</i>
ENSG00000167566	0.1754	-0.8505	-0.1715	6	<i>KIAA1602</i>
ENSG00000213983	0.2106	-0.6590	-0.4196	6	<i>APIG2</i>
ENSG00000177000	-0.0812	-1.1119	-0.5958	6	<i>MTHFR</i>
ENSG00000108509	0.0888	-0.8031	-0.2763	6	<i>CAMTA2</i>
ENSG00000187634	0.3531	-1.5082	-0.2318	6	<i>SAMD11</i>
ENSG00000164012	0.1093	-0.8444	-0.3536	6	<i>WDR65</i>
ENSG00000167614	0.6462	-0.7241	0.1475	6	<i>TTYH1</i>
ENSG00000143384	0.5417	-0.2060	0.2107	6	<i>MCL1</i>
ENSG00000137880	0.5772	-1.0716	-0.3395	6	<i>GCHFR</i>
ENSG00000197345	0.5921	0.3090	0.5038	6	<i>MRPL21</i>
ENSG00000149428	-0.0931	-0.8915	-0.5906	6	<i>HYOU1</i>
ENSG00000170540	-0.0960	-0.9167	-0.6924	6	<i>ARL6IP1</i>
ENSG00000204314	0.0280	-1.4245	-0.8651	6	<i>PRRT1</i>
ENSG00000177732	0.2950	-0.9406	-0.4191	6	<i>SOX12</i>
ENSG00000181873	-0.0450	-0.6431	-0.4842	6	<i>C1orf69</i>
ENSG00000175287	0.0401	-0.8767	-0.3684	6	<i>PHYHD1</i>
ENSG00000213918	-0.1933	-1.0136	-0.7860	6	<i>DNASE1</i>
ENSG00000168517	0.5612	-0.2530	-0.0618	6	<i>HEXIM2</i>
ENSG00000105699	0.3498	-1.1223	-0.2630	6	<i>LSR</i>
ENSG00000013810	0.1861	-1.3141	-0.5387	6	<i>TACC3</i>

ENSG00000184208	0.0854	-1.2701	-0.8184	6	<i>CTA-216E10.9</i>
ENSG00000105619	0.0363	-0.6374	-0.4249	6	<i>TFPT</i>
ENSG00000126456	0.2711	-0.7816	-0.0638	6	<i>IRF3</i>
ENSG00000149476	0.3432	-0.8969	-0.4466	6	<i>DAK</i>
ENSG00000177303	0.1203	-0.8797	-0.5387	6	<i>CASKIN2</i>
ENSG00000172354	0.5377	-0.2818	0.2157	6	<i>GNB2</i>
ENSG00000100802	-0.1467	-0.7131	-0.5778	6	<i>C14orf93</i>
ENSG00000117592	0.6184	-0.0039	0.4199	6	<i>PRDX6</i>
ENSG00000054690	-0.2399	-0.6677	-0.6113	6	<i>PLEKHH1</i>
ENSG00000186583	1.2189	-0.8344	0.2904	6	<i>SPATC1</i>
ENSG00000204758	0.8553	0.0766	0.6110	6	<i>AC008429.6</i>
ENSG00000108828	0.3870	-0.7936	-0.0375	6	<i>VAT1</i>
ENSG00000043355	0.1999	-0.7176	-0.4546	6	<i>ZIC2</i>
ENSG00000186897	0.4323	-1.4208	-0.9488	6	<i>C1QL4</i>
ENSG00000180843	-0.0456	-0.8566	-0.3519	6	<i>KIAA1618</i>
ENSG00000099974	0.1907	-0.7277	-0.2338	6	<i>DDTL</i>
ENSG00000185883	0.5171	-0.3034	0.2713	6	<i>ATP6V0C</i>
ENSG00000149397	0.1077	-0.7824	-0.5683	6	<i>HMBS</i>
ENSG00000128944	0.0934	-0.6926	-0.6466	6	<i>C15orf23</i>
ENSG00000104140	0.0356	-0.7072	-0.2996	6	<i>RHOV</i>
ENSG00000072135	0.2132	-0.7097	-0.1551	6	<i>PTPN18</i>
ENSG00000167487	0.0939	-0.7249	-0.2438	6	<i>KLHL26</i>
ENSG00000203993	0.9625	-0.8704	0.0838	6	<i>C9orf37</i>
ENSG00000204304	0.4809	0.0000	0.3251	6	<i>PBX2</i>
ENSG00000105698	0.1773	-0.8325	-0.2150	6	<i>USF2</i>
ENSG00000171570	0.6762	-0.2424	0.2949	6	<i>EGLN2</i>
ENSG00000104881	0.1990	-0.7715	-0.1769	6	<i>PPP1R13L</i>
ENSG00000173581	0.1497	-0.8301	-0.5082	6	<i>CCDC106</i>
ENSG00000143382	0.6543	-0.7390	0.1827	6	<i>ADAMTSL4</i>
ENSG00000196535	-0.0334	-0.9406	-0.4107	6	<i>MYO18A</i>
ENSG00000102287	0.0694	-0.8099	-0.7319	6	<i>GABRE</i>
ENSG00000110237	0.1014	-0.8290	-0.3898	6	<i>ARHGEF17</i>
ENSG00000213928	0.2462	-0.6581	-0.1316	6	<i>IRF9</i>
ENSG00000117395	-0.2313	-0.6816	-0.5070	6	<i>EBNA1BP2</i>
ENSG00000101447	0.0809	-1.0628	-0.9055	6	<i>FAM83D</i>
ENSG00000106290	0.0064	-0.6988	-0.2605	6	<i>TAF6</i>
ENSG00000204592	0.2695	-0.9005	-0.5594	6	<i>HLA-E</i>
ENSG00000119403	0.3367	-0.8350	-0.4160	6	<i>PHF19</i>
ENSG00000139718	0.2702	-1.0828	-0.6068	6	<i>SETD1B</i>
ENSG00000101945	0.0878	-0.8888	-0.8162	6	<i>SUV39H1</i>
ENSG00000188976	0.2058	-0.7493	-0.1673	6	<i>NOC2L</i>
ENSG00000039523	0.6588	-0.4180	0.1806	6	<i>FAM65A</i>
ENSG00000222024	0.6179	-0.4488	0.1100	6	<i>AC023055.40-204</i>
ENSG00000186919	0.2675	-0.9220	-0.5070	6	<i>ZACN</i>
ENSG00000126368	0.0434	-1.0792	-0.6936	6	<i>NR1D1</i>
ENSG00000121769	0.0959	-1.5740	-1.0561	6	<i>FABP3</i>
ENSG00000117318	0.6893	-0.4890	0.0179	6	<i>ID3</i>
ENSG00000123146	0.1407	-1.2022	-0.5373	6	<i>CD97</i>
ENSG00000063176	0.2730	-0.8625	-0.3370	6	<i>SPHK2</i>
ENSG00000142459	0.3292	-0.8422	-0.0592	6	<i>EVI5L</i>
ENSG00000169660	0.2801	-0.7630	-0.1406	6	<i>HEXDC</i>
ENSG00000184205	0.6151	-0.5224	-0.1339	6	<i>TSPYL2</i>
ENSG00000196763	-0.1375	-0.9416	-0.8103	6	<i>AP002490.4</i>
ENSG00000178999	0.0687	-0.7877	-0.6161	6	<i>AURKB</i>
ENSG00000076382	0.1315	-1.0809	-1.0000	6	<i>SPAG5</i>
ENSG00000160298	0.2046	-1.2133	-0.7014	6	<i>C21orf58</i>
ENSG00000092841	0.3149	-0.6851	-0.1481	6	<i>MYL6</i>
ENSG00000158552	0.2847	-0.7814	-0.6521	6	<i>ZFAND2B</i>
ENSG00000115738	0.1095	-0.8452	-0.5055	6	<i>ID2</i>
ENSG00000167433	0.0445	-0.8611	-0.3967	6	<i>ARHGAP23</i>
ENSG00000152082	0.3923	-0.6988	0.0000	6	<i>FAM128B</i>
ENSG00000159348	-0.0614	-0.7023	-0.4557	6	<i>CYB5R1</i>

ENSG00000132002	0.3388	-1.0286	-0.6280	6	<i>DNAJB1</i>
ENSG00000066322	0.5753	-1.1106	-0.0393	6	<i>ELOVL1</i>
ENSG00000162430	0.3638	-0.8820	-0.2563	6	<i>SEPN1</i>
ENSG00000135439	0.6412	-0.1983	0.3816	6	<i>AGAP2</i>
ENSG00000094631	-0.0367	-0.9784	-0.5073	6	<i>HDAC6</i>
ENSG00000179588	0.0979	-1.2332	-0.3941	6	<i>ZFPM1</i>
ENSG00000106638	0.1361	-0.6308	-0.2996	6	<i>TBL2</i>
ENSG00000204325	0.4150	-1.6394	-0.8163	6	<i>MYO15B</i>
ENSG00000169228	0.7325	-0.7004	0.1476	6	<i>RAB24</i>
ENSG00000076924	0.7141	-0.7753	-0.1359	6	<i>XAB2</i>
ENSG00000213398	0.1959	-0.6659	-0.2683	6	<i>LCAT</i>
ENSG00000131187	0.4425	-0.6416	-0.1357	6	<i>F12</i>
ENSG00000119574	0.0185	-0.7063	-0.2208	6	<i>ZBTB45</i>
ENSG00000111664	0.3814	-1.8904	-1.5755	6	<i>GNB3</i>
ENSG00000186193	0.2985	-1.9194	-0.7150	6	<i>C9orf140</i>
ENSG00000167183	0.7275	-0.9307	0.1986	6	<i>ATAD4</i>
ENSG00000168476	0.9475	-0.4854	0.4781	6	<i>REEP4</i>
ENSG00000108312	0.0097	-0.7049	-0.5545	6	<i>UBTF</i>
ENSG00000143554	0.1321	-1.2356	-0.4619	6	<i>SLC27A3</i>
ENSG00000135722	0.6859	-0.4081	0.0813	6	<i>FBXL8</i>
ENSG00000135451	0.2224	-1.2274	-0.9900	6	<i>TROAP</i>
ENSG00000166813	-0.0504	-1.4296	-0.9217	6	<i>KIF7</i>
ENSG00000076604	0.6457	-0.7263	-0.2439	6	<i>TRAF4</i>
ENSG00000167965	0.2192	-0.9556	-0.1420	6	<i>GBL</i>
ENSG00000099812	-0.1260	-0.7024	-0.5034	6	<i>C19orf21</i>
ENSG00000146834	0.2410	-0.8370	-0.4220	6	<i>MEPCE</i>
ENSG00000102125	0.2072	-0.7124	-0.1450	6	<i>TAZ</i>
ENSG00000160211	-0.3331	-0.6574	-0.6226	6	<i>G6PD</i>
ENSG00000149591	0.7807	-0.4274	0.1409	6	<i>TAGLN</i>
ENSG00000108511	0.1085	-0.6781	-0.3562	6	<i>HOXB6</i>
ENSG00000178922	0.3861	-1.2500	-0.3933	6	<i>HYI</i>
ENSG00000114019	0.0927	-1.3084	-0.6478	6	<i>AMOTL2</i>
ENSG00000133460	0.2049	-0.6447	-0.1740	6	<i>SLC2A11</i>
ENSG00000196123	0.5605	-0.7553	-0.1466	6	<i>AC074143.5</i>
ENSG00000168936	0.4075	-0.6464	0.0199	6	<i>TMEM129</i>
ENSG00000176909	0.7534	-0.5443	0.1745	6	<i>AC008888.7-202</i>
ENSG00000104960	0.3099	-0.7648	-0.1629	6	<i>PTOVI</i>
ENSG00000061938	0.3895	-0.9180	0.0000	6	<i>TNK2</i>
ENSG00000177542	0.2180	-1.1623	-0.3981	6	<i>SLC25A22</i>
ENSG00000186185	0.0000	-0.7709	-0.6329	6	<i>KIF18B</i>
ENSG00000105341	0.3015	-0.9403	-0.4083	6	<i>ATP5SL</i>
ENSG00000104884	-0.3571	-1.1719	-0.7014	6	<i>ERCC2</i>
ENSG00000109062	-0.0190	-0.7417	-0.3267	6	<i>SLC9A3R1</i>
ENSG00000083807	-0.0473	-0.6530	-0.3522	6	<i>SLC27A5</i>
ENSG00000107819	0.2112	-0.8371	-0.2016	6	<i>SFXN3</i>
ENSG00000173894	0.0953	-0.6712	-0.1613	6	<i>CBX2</i>
ENSG00000188486	0.6405	-0.5639	-0.3326	6	<i>H2AFX</i>
ENSG00000140939	0.7853	-1.1623	0.0304	6	<i>NOL3</i>
ENSG00000108821	0.3764	-0.8097	-0.1255	6	<i>COL1A1</i>
ENSG00000174669	0.0818	-0.8011	-0.4782	6	<i>SLC29A2</i>
ENSG00000221988	-0.0525	-0.7630	-0.5220	6	<i>EGFL8</i>
ENSG00000109065	-0.1125	-0.9125	-0.6495	6	<i>NAT9</i>
ENSG00000052344	0.5850	-0.8890	-0.0589	6	<i>PRSS8</i>
ENSG00000146083	0.0610	-0.6534	-0.5070	6	<i>RNF44</i>
ENSG00000203706	-0.2086	-0.8931	-0.5712	6	<i>C1orf133</i>
ENSG00000197283	0.0852	-0.6917	-0.2016	6	<i>SYNGAP1</i>
ENSG00000143126	0.0238	-1.1368	-0.5048	6	<i>CELSR2</i>
ENSG00000149925	0.0530	-0.6695	-0.1718	6	<i>ALDOA</i>
ENSG00000167608	0.4428	-1.1629	-0.5368	6	<i>TMC4</i>
ENSG00000101224	0.6258	-1.5360	-0.0378	6	<i>CDC25B</i>
ENSG00000188229	0.1881	-1.0184	-0.4964	6	<i>TUBB2C</i>
ENSG00000166793	-0.2630	-1.9151	-1.4594	6	<i>YPEL4</i>

ENSG00000006015	0.5052	-0.6762	0.0637	6	<i>C19orf60</i>
ENSG00000115266	0.2891	-0.8290	-0.0635	6	<i>APC2</i>
ENSG00000105618	-0.0358	-0.6622	-0.5674	6	<i>PRPF31</i>
ENSG00000218537	0.0000	-0.6679	-0.2427	6	<i>AP000350.4</i>
ENSG00000204609	-0.1820	-0.8870	-0.6674	6	<i>AC103702.3</i>
ENSG00000164976	0.0124	-1.0000	-0.7287	6	<i>KIAA1161</i>
ENSG00000136158	0.0000	-0.9353	-0.4463	6	<i>SPRY2</i>
ENSG00000177455	0.5778	-0.2587	0.0632	6	<i>CD19</i>
ENSG00000141503	0.0676	-1.6082	-0.7563	6	<i>MINK1</i>
ENSG00000130733	-0.0605	-1.0605	-0.4619	6	<i>YIPF2</i>
ENSG00000149257	0.0783	-0.6811	-0.1991	6	<i>SERPINH1</i>
ENSG00000079432	0.0740	-1.4406	-0.7244	6	<i>CIC</i>
ENSG00000137135	0.3978	-1.0514	-0.3818	6	<i>C9orf100</i>
ENSG00000111671	0.1365	-0.6240	-0.1508	6	<i>SPSB2</i>
ENSG00000183258	0.5406	-0.4594	0.1553	6	<i>DDX41</i>
ENSG00000136490	0.2964	-2.5110	-0.8787	6	<i>LIMD2</i>
ENSG00000017621	0.2760	-0.6487	0.0000	6	<i>MAGIX</i>
ENSG00000176248	0.3126	-0.6323	0.0000	6	<i>ANAPC2</i>
ENSG00000160703	0.5778	-0.4811	-0.1713	6	<i>NLRX1</i>
ENSG00000155366	0.0552	-0.8542	-0.2630	6	<i>RHOC</i>
ENSG00000090006	0.2068	-1.1645	-0.3433	6	<i>LTBP4</i>
ENSG00000177830	0.1239	-0.8074	-0.1838	6	<i>CHID1</i>
ENSG00000178977	0.0978	-0.8150	-0.4066	6	<i>C17orf44</i>
ENSG00000112812	0.1578	-1.1867	-0.3157	6	<i>PRSS16</i>
ENSG00000087152	-0.2906	-1.2787	-0.7176	6	<i>ATXN7L3</i>
ENSG00000178149	0.1671	-0.6497	-0.1987	6	<i>DALRD3</i>
ENSG00000023191	0.2619	-0.7092	-0.1167	6	<i>RNHI</i>
ENSG00000167136	0.5123	-0.6714	0.0111	6	<i>ENDOG</i>
ENSG00000170421	0.6228	-1.3424	-0.4218	6	<i>KRT8</i>
ENSG00000107821	0.1468	-1.1634	-0.3507	6	<i>KAZALD1</i>
ENSG00000069812	0.6280	-0.9449	0.1426	6	<i>HES2</i>
ENSG00000115657	-0.1043	-0.9238	-0.4566	6	<i>ABCB6</i>
ENSG00000125743	-0.0577	-0.8145	-0.4630	6	<i>SNRPD2</i>
ENSG00000186603	0.0449	-0.5926	-0.5255	6	<i>HPDL</i>
ENSG00000117400	0.3483	-0.8227	-0.0394	6	<i>MPL</i>
ENSG00000123388	0.1098	-0.8529	-0.3696	6	<i>HOXC11</i>
ENSG000000214140	-0.0348	-0.9005	-0.3049	6	<i>PRCD</i>
ENSG000000204305	0.2738	-0.8182	-0.1354	6	<i>AGER</i>
ENSG00000073067	0.6088	-0.6215	0.0704	6	<i>CYP2W1</i>
ENSG00000198055	-0.4588	-0.6895	-0.6243	6	<i>GRK6</i>
ENSG00000145020	0.3252	-1.3137	-0.3137	6	<i>AMT</i>
ENSG00000125740	0.1816	-1.3576	-0.4268	6	<i>FOSB</i>
ENSG00000087088	-0.0780	-0.6831	-0.2937	6	<i>BAX</i>
ENSG00000140474	0.0704	-0.7370	-0.3040	6	<i>ULK3</i>
ENSG00000160446	0.2966	-1.2756	-0.3943	6	<i>ZDHHC12</i>
ENSG00000125967	0.4551	-0.9921	-0.1995	6	<i>APBA2BP</i>
ENSG00000004399	0.3073	-1.2599	-0.4161	6	<i>PLXND1</i>
ENSG00000075624	0.1841	-0.9909	-0.5029	6	<i>ACTB</i>
ENSG00000189077	0.3861	-0.7045	-0.1557	6	<i>TMEM120A</i>
ENSG00000114378	0.1262	-0.7447	-0.1383	6	<i>HYAL1</i>
ENSG00000171700	0.6485	-0.9615	0.0385	6	<i>RGS19</i>
ENSG00000196923	-0.4101	-0.8995	-0.5999	6	<i>PDLIM7</i>
ENSG00000081692	-0.0713	-0.8205	-0.3527	6	<i>JMJD4</i>
ENSG00000133247	-0.1550	-1.2003	-0.5070	6	<i>SUV420H2</i>
ENSG00000049283	0.5146	-0.9661	-0.2630	6	<i>EPN3</i>
ENSG00000185761	-0.2382	-1.1313	-0.7687	6	<i>ADAMTSL5</i>
ENSG00000100908	0.5972	-0.5305	-0.3312	6	<i>FAM158A</i>
ENSG00000179091	0.2370	-1.3109	-0.2572	6	<i>CYC1</i>
ENSG00000169951	0.4713	-0.5525	0.0324	6	<i>ZNF764</i>
ENSG00000184343	0.8845	-0.7618	-0.1561	6	<i>SRPK3</i>
ENSG00000111057	0.1442	-1.1861	-0.6653	6	<i>KRT18</i>
ENSG00000006534	0.3554	-1.6750	-0.6148	6	<i>ALDH3B1</i>

ENSG00000111077	0.8890	-1.3014	-0.0595	6	<i>TENCI</i>
ENSG00000159335	0.2869	-0.8194	-0.0689	6	<i>PTMS</i>
ENSG00000107331	0.2462	-1.0339	-0.1316	6	<i>ABCA2</i>
ENSG00000187266	0.2759	-1.0875	-0.3596	6	<i>EPOR</i>
ENSG00000158104	0.6624	-0.7979	-0.3004	6	<i>HPD</i>
ENSG00000167700	0.1255	-1.1155	-0.3270	6	<i>MFSD3</i>
ENSG00000130255	0.1993	-0.8480	-0.5070	6	<i>RPL36</i>
ENSG00000105427	0.2370	-1.1635	-0.2224	6	<i>CNFN</i>
ENSG00000167645	-0.1375	-1.7776	-0.8645	6	<i>YIF1B</i>
ENSG00000012171	0.1809	-1.6292	-0.8356	6	<i>SEMA3B</i>
ENSG00000103254	0.5850	-0.7843	0.1543	6	<i>FAM173A</i>
ENSG00000087086	-0.2500	-1.7046	-0.8156	6	<i>FTL</i>
ENSG00000167968	0.5944	-1.2801	-0.1806	6	<i>DNASE1L2</i>
ENSG00000126246	0.2801	-1.5273	-0.4053	6	<i>TMEM149</i>
ENSG00000204839	0.7370	-1.8480	-0.1699	6	<i>C8orf73</i>
ENSG00000184471	0.4731	-2.0661	-0.4222	6	<i>C1QTNF8</i>

Supplementary Table 3: List of Primer pairs used for ChIP-qPCR validations and for mRNA and primRNA quantification.

Primer name/ Gene symbol	Forward primer	Reverse primer	Peaks	Assay
P1	GTCCAGAGACAGGCAGACAA	GGGAAGACTTCTGCTCTTGG	GR & p65	ChIP-qPCR
P2	GGCCACTTCCTGTTTTTGT	CCCAGTTTGAGATGGAGGAT	GR & p65	ChIP-qPCR
P3	TAGACTATGGCCTGGTGACG	GGGGACAAAACAGGAGAAAA	GR & p65	ChIP-qPCR
P4	ACTTGGAGGCAGCAGAGAGT	GGCTTGGCTCTTCTCTCATC	GR & p65	ChIP-qPCR
P5	GACCAGGAGAGGAAAGGACA	GAACAGGGTAGGGGAAACAA	GR & p65	ChIP-qPCR
P6	TCTTGCCTCTGTTTTTCTGG	CCATGAAAGGCAATTGTTTG	GR & p65	ChIP-qPCR
P7	AAAGGTGAGGGCTGTGTAGC	CCTTTTGTTCAGAGCTTCC	GR & p65	ChIP-qPCR
P8	ATGAGATTGTTTGGCCCAT	TTCTTGGTGCTGCATAGCTT	GR & p65	ChIP-qPCR
P9	ACCCCAAGCTGGTATGACTT	CAGGGCATCAAATAGCTCAA	GR & p65	ChIP-qPCR
P10	GGGGACAGTACTGGCATCTT	CTGTGCACTGTGGTGAGTTG	GR & p65	ChIP-qPCR
P11	GCTTTTGGGTCATGGAATC	GGGAACCTCCAGCGGTAATAA	GR & p65	ChIP-qPCR
P12	GTTTGGGAACTTGGCTCTGT	TCTGGAATCCCCCAAGTAG	GR & p65	ChIP-qPCR
P13	GGATTTGGGAAAGGCAAGTA	CGTGAAACCTGTGTGAATCC	p65	ChIP-qPCR
P14	TCCACACAAGGTCCAAAGTC	ATCCTCAGGACGCTTTGTTT	p65	ChIP-qPCR
P15	GCCCGGGACACAGATAAATA	ACTCACAGGCGTCCATCTCT	p65	ChIP-qPCR
P16	TATTGCAGGGACAGGACAGA	GCCTGACTTCCAAGTACTG	p65	ChIP-qPCR
P17	AGCGTGTTTTTGCCAGTATG	TATGAAAGCAGCCACTCTCG	p65	ChIP-qPCR
P18	AAAGATGCCGGACCATCTAC	TGACGTGTCAAAGGACACAA	p65	ChIP-qPCR
P19	AGAAGAGCAACCCATGAAGG	TGGGGAGACAGTGACTTCAG	p65	ChIP-qPCR
P20	ACCGTGATTCAAGCTTAGCC	CCGGAATTTCCAAGCTAAAG	p65	ChIP-qPCR
P21	GCCACTTTTCAGTTGGGTTT	TAACCCCTGAGGCTGCTACT	p65	ChIP-qPCR
P22	CCAAGCATCTTCTCTGTTC	TGAGCCTTGTGCAAGAAAAC	GR	ChIP-qPCR
P23	TGTTCTCCTGGTTAGGTTGCT	GTGTAAGCTGCAGGGTGGA	GR	ChIP-qPCR
P24	GGGGAAAACTGTAGCCAGA	CAGTCCGTCAGGAGATTTCA	GR	ChIP-qPCR
P25	GAGTTCATCCCCTGTGTCCT	AGAACTCTCGTGGCTCTGGT	GR	ChIP-qPCR
P26	AGCCTTCAAGCTCCTCTCTG	CAGACGGAGAACAGCACACT	GR	ChIP-qPCR
P27	GGGTTTCTGTGGGTACACT	CAGGCCTGAGGCTAGGTAAAG	GR	ChIP-qPCR
P28	CTCTCCCAAGAGGGAACAAA	TCCTGGACCAAGTGATGAAA	GR	ChIP-qPCR
P29	TGAGATGAAATGGCCAACTG	AGCCTTTGAGCTCGGTACAT	GR	ChIP-qPCR
P30	TCCTGACCTCAAGTGATCCA	TGTCCTGGTGTGATGCTGTA	GR	ChIP-qPCR
P31	CACCTTTATCCAGGCCATTT	ATACCACAACCCAGGTGAC	GR	ChIP-qPCR
P32	GCCACCTGTCTAGAGCTTC	GTCTGGGAGGAATGAAGGAA	GR	ChIP-qPCR
P33	GAATGAGAACACAGCCGAGA	CATCTTCTCCACCAGGTTT	GR	ChIP-qPCR
P34	GGGAAAGCACCAAATGTTCT	CCTCGGGTCTAGCTTGT	GR	ChIP-qPCR
P35	TCACGCCTGTGTGCTTTTAT	TTCAGGGAGAGAGGAATTGG	GR	ChIP-qPCR
P36	GTTGTGCGGAGTGAGGAAAC	CATTTGGTGCTTTCCAGTT	p65_gained	ChIP-qPCR
P37	TGCCAGAAAATGTGAAAGACC	AGCCCTACCGACACCTTGAT	p65_gained	ChIP-qPCR
P38	CAGACACTGGACAACCTAGGAA	GGTGCTTCTTGTGCCCATA	p65_gained	ChIP-qPCR
P39	GCGACCTGACTCAGACACTG	GGCACACCTCTTTTGTGTGA	p65_gained	ChIP-qPCR
P40	AGGTCTGAGGCTTTCATCA	ACTGGGAATGGCTACTGGAA	p65_gained	ChIP-qPCR
P41	TGCCTCTTTCCCACTAGGTT	CTTTGACACGGTGGGACTCT	p65_gained	ChIP-qPCR
P42	TTGGTGGATAGCTTGCTGCT	ATCCAGAGCTCACCAAGCAC	p65_gained	ChIP-qPCR
P43	GAGAGTGAGGGTGGGTGGTA	TCCCTTTTGTGGAGAACACC	p65_gained	ChIP-qPCR
P44	CTGTCACTTCCGCACCACTA	TGACCTTTTGGTCTGAGTTCC	p65_gained	ChIP-qPCR
P45	CCACTGGTGGTGATGTTTGA	CCCTTTGCACAACTGTTCC	p65_gained	ChIP-qPCR
P46	GGCTAGAACAACACGGCATT	GGGTACACGATGTTTCAAGAA	p65_gained	ChIP-qPCR
P47	GGTACAGCTTGTGCCTGACA	ATCCACACAGCAGCACAAAG	p65_gained	ChIP-qPCR
P48	ACCAGGATGCTTTGTTCTGG	CCTGACAGGGAAGTCGTCAT	p65_gained	ChIP-qPCR
P49	ATGATAGCATGGGGAAAGCA	ATGAAGGGGTTTCCAGGAT	p65_gained	ChIP-qPCR
P50	GGGATTTCCCATCTGTAGCA	AAGGCCGAGCTCATTAATCC	p65_gained	ChIP-qPCR
P51	GAGAGATTCAAATGCCTCTGG	TGCTCTGTGGAGAGCTGCTA	p65_gained	ChIP-qPCR
P52	ACAAGCAGTTAAGCCCCTCA	GGATGTCAAGTCCAGGTCCA	p65_gained	ChIP-qPCR
P53	TGCCTTGGTGTTTACCGTTT	GCTTTCAGCATCCAGGAGAC	p65_gained	ChIP-qPCR
P54	GAGAGATTCAAATGCCTCTGG	TGCTCTGTGGAGAGCTGCTA	p65_gained	ChIP-qPCR
P55	TACGGATGCACACGGTTATT	CAGCTTCCTCATTCCTTTCC	GR_gained	ChIP-qPCR
P56	ACAGGCACGGTTAGGAACA	AGGCGTCTTCTCTGACAT	GR_gained	ChIP-qPCR

P57	TTTCTGCTCTGGGAACAAAG	GGACAAGGAAATTCCCACAC	GR_gained	ChIP-qPCR
P58	GCTAGCACAGGGGAAGAAAC	GGCTCATGAAATTGGGAAGT	GR_gained	ChIP-qPCR
P59	TTCAAATGACGCTTGTGGTC	ACACACAACACATGCCTTCC	GR_gained	ChIP-qPCR
P60	GGCATTCTCTTTGTGTCT	TGGGACTTGCATTGCTAAAG	GR_gained	ChIP-qPCR
P61	CAACCAGGGAAGGAGAGTTG	CATTTGGTCTTTTGGGATTT	GR_gained	ChIP-qPCR
P62	AGCCAAGTTCCTTGGTGATT	TGACCAAAAGACCAGAGCAG	GR_gained	ChIP-qPCR
P63	TGGCTGATGTGAGAGAGGAG	GAACAGATGAGGTGGACGTG	GR_gained	ChIP-qPCR
P64	TTCTTGAGCAGGGAGTTTCC	GGGCAACAAAATAAAGGCAGT	GR_gained	ChIP-qPCR
P65	TAAATCAGGCCTCCTGGAC	CACCTCTTTCATGCCTTTCA	GR_gained	ChIP-qPCR
P66	AATTCCCTGACCTTGTCTCG	GTGTTCTGTTTGGGCAAATG	GR_gained	ChIP-qPCR
P67	TGGGATAATTGTGCCTTGAA	AAAGGTAGCCCCCACTTTCT	GR_gained	ChIP-qPCR
P68	CAATGCCCCTGCATATGTTA	CTGTTTGGACAGTTGGGTTTT	GR_gained	ChIP-qPCR
P69	CTGTTGAGGGTTGTTGCTGT	AACCTGTGACTGATCGTTGG	GR_gained	ChIP-qPCR
P70	TGATCTCACTTGCTGTGGT	TCTCCATCTGCTCTGGAATG	GR_gained	ChIP-qPCR
P71	TGCCCTAAAGTCCTTCTGGA	GTGAAAAGGGCAAAGCCTTA	GR_gained	ChIP-qPCR
P72	CCAGGAATTTCCAGTCATT	CAACCTGAAGCTTTGTTGGA	GR_gained	ChIP-qPCR
P73	TGCCTCATTTATGGTCCTGA	CTGCTCACGGTGAATCATTT	GR_gained	ChIP-qPCR
COMTD1	AACTGCTCCGCCTACTACGA	TTAGGTTTCGCACACACTCG	mRNA	RT-qPCR
FSTL3	ACCTGAGCGTCATGTACCG	CTCGACACACCACGCAGT	mRNA	RT-qPCR
SGK493	ACGGCAAGCAGCAGTACC	CAGCCAGGTTGAACACTGAA	mRNA	RT-qPCR
FKBP5	AGAAGTTTGACAGAGCAGGATG	GCCCTCAGGTTTCTCTTCTTC	mRNA	RT-qPCR
CDKN1C	AGGAGCCTCTCGCTGACC	CAGGCGCTGATCTCTTGC	mRNA	RT-qPCR
TM4SF1	AGGCATATGTGGCTTTTGCT	GGAAGATTGTGGCTCTGTCC	mRNA	RT-qPCR
HOXC11	AGGCTGAGGAGGAGAACAACA	ATAAGGGCAGCGCTTCTTG	mRNA	RT-qPCR
IL6	AGTGAGGAACAAGCCAGAGC	GTTGGGTCAGGGGTGGTTAT	mRNA	RT-qPCR
C10ORF114	ATGCCTGCTGCTATCTGCTT	ATTTTCAATCTCGCCTGTGC	mRNA	RT-qPCR
NFKB2	CAGGACGAGAACGGAGACAC	AGGTGGTTGGTGAGGTTGAC	mRNA	RT-qPCR
SLC19A2	CCAGTGGCCTTGATTAGAA	TGATTGTGGATCTTCCAGCTT	mRNA	RT-qPCR
ERRF1	CCGATAACCATGGCCTACAGT	CAAAGCAGTGGCCATTTCATC	mRNA	RT-qPCR
EPGN	CCTTTGCCTGGAAGATCATAA	AAGTGCTCACACCTTTCTCCA	mRNA	RT-qPCR
FAM46B	CGACTGGAGCTCTTCTGA	CACATGTAGTCCCTGCTCCTC	mRNA	RT-qPCR
S100P	CTCAAGGTGCTGATGGAGAAG	GATTGCAGCCACGAACACTAT	mRNA	RT-qPCR
KLF6	CTCATGGGAAGGGTGTGAGT	GGTGGTCAGACCTGGAAAAA	mRNA	RT-qPCR
KLF15	CTGCAGCAAGATGTACACCAA	TCGTGAGAGCGCGAGAAC	mRNA	RT-qPCR
IRF1	GATGAGGATGAGGAAGGGAAG	TAGACAGAGGTGGGCTGGAC	mRNA	RT-qPCR
GPX4	GGATGAAGATCCAACCCAAG	GGGGCAGGTCTTCTCTATC	mRNA	RT-qPCR
ZFP36L1	GTCTGCCACCATCTTCGACT	ACTGCCTTTCTGTCCAGCAG	mRNA	RT-qPCR
SH3TC1	GTGCTCGGTGACATCATCTTC	TCTTCAGCTGTGCCTTCTTGT	mRNA	RT-qPCR
TSC22D3	GTGGTGGCCATAGACAACAAG	CAGGATCTCCACCTCCTCTCT	mRNA	RT-qPCR
PDK4	TCAGGATATGGAACAGATGCTA	CATCAGCCTCAGAGCTCATCT	mRNA	RT-qPCR
IKBKE	TCTGACCTCCTGGACAACAA	GTGCAGAAGAGCAGTGTTGG	mRNA	RT-qPCR
SCD	TGGTTTCACTTGGAGCTGTG	GCCATGCAATCAATGAAGAA	mRNA	RT-qPCR
CKS2	GGAGTGAGGAGACTTGGTG	TTTGACGATCCCCAGATAAA	mRNA	RT-qPCR
DUSP1	ACCATCTGCCTTGCTTACCT	GCCTCTGCTTCACAAACTCA	mRNA	RT-qPCR
PER1	ACACCGATGCCAACAGCAAT	TCATGCCCCGTTGGACTCATT	mRNA	RT-qPCR
ZNF598	CACGCCACAGGAGGACTT	CCCTTCAGGAGCACCACA	mRNA	RT-qPCR
RDH10	ATGAATCCCTGAGCCATGAA	TGGCAGAAAAGGCTCAATTT	mRNA	RT-qPCR
ANXA1	GGTGAGCCCCTATCCTACCT	GCTGTGCATTGTTTCGCTTA	mRNA	RT-qPCR
PEX12	GGAGCACAAACCAGCTAAGG	CCCACAGAAAAGGCCAGTAGA	mRNA	RT-qPCR
CXCL2	CTCAAGAATGGGCAGAAAGC	CTTCAGGAACAGCCACCAAT	mRNA	RT-qPCR
BMP6	TGCAGGAAGCATGAGCTGTA	GGTTGGTTGCATTTCATGTGT	mRNA	RT-qPCR
NFKB1	CCCAGTGAAGACCACCTCTC	CTGAGTTTGCGGAAGGATGT	mRNA	RT-qPCR
LIFR	TGGA AAAAGGAGAAAGAGACACA	CGCAAGACCAGGTGGTAAC	mRNA	RT-qPCR
TNF	TGTAGCCCATGTTGTAGCAAC	GCTGGTTATCTCTCAGCTCCAC	mRNA	RT-qPCR
EFNA1	CACACCGTCTTCTGGAACAG	GCGTCTGCCACAGAGTGAT	mRNA	RT-qPCR
NFKBIE	GGGCATCTCATCCACTCTGT	GTCATCAAAGGGCAAAGGA	mRNA	RT-qPCR
NFKBIA	TGCCAGAGAGTGAGGATGAG	GCCTCCAAACACACAGTCAT	mRNA	RT-qPCR
CCL20	GATGTCAGTGCTGCTACTCCAC	ATTGATGTCACAGCCTTCATTG	mRNA	RT-qPCR
IL1RAP	CGTTTTTGTGCTCCATTGT	TGCCAAAAGCAACTCTCAAG	mRNA	RT-qPCR
ZFP36L2	TTCTGTCCGCTTCTACGAT	CCAGCATGTTGTTTCAGGTTG	mRNA	RT-qPCR
GAPDH	GAAGGTGAAGGTCGGAGTC	GAAGATGGTGATGGGATTTTC	mRNA	RT-qPCR
HPRT	ATGCTGAGGATTTGGAAAGG	TCATCACATCTCGAGCAAGAC	mRNA	RT-qPCR
FSTL3	ATCAACCTCCTCGGCTTCTT	gactgtttgtgctgttcct	PrimRNA	RT-qPCR

<i>NFKB1A</i>	tccggaagcttaacgtgtct	CTTTGCGCTCATAACGTCAG	PrimRNA	RT-qPCR
<i>NFKB1</i>	gtggcataggtgggatgtgt	GTCAGTGTCTCGGAGCTCGT	PrimRNA	RT-qPCR
<i>CCL20</i>	GCGCAAATCCAAAACAGACT	tgcacactectettctctca	PrimRNA	RT-qPCR
<i>EFNA1</i>	gaatcctgttgggctgagag	ATGTAGAACCCGCACCTCTG	PrimRNA	RT-qPCR
<i>IRF1</i>	cacagggtgagtctgactg	TAGACAGAGGTGGGCTGGAC	PrimRNA	RT-qPCR
<i>IKBKE</i>	CTGTTCTGTGGCTGCCTGTA	catccccagagcacctagaa	PrimRNA	RT-qPCR
<i>BMP6</i>	gccaagaccaggtgtcattt	GAACCGAGATGGCATTTAGC	PrimRNA	RT-qPCR
<i>NFKB2</i>	ggagaaaggcagtggttcagg	TCTGCAGAGCTGTATCACCAA	PrimRNA	RT-qPCR
<i>LIFR</i>	ttgcaatggcatttagtgct	AATGCTGATCGAGTTTCCAGA	PrimRNA	RT-qPCR
<i>IL6</i>	AGTGAGGAACAAGCCAGAGC	ccaagttgagggaatgagga	PrimRNA	RT-qPCR
<i>TM4SF1</i>	AGGCATATGTGGCTTTTGCT	gcatgttggtttgccttt	PrimRNA	RT-qPCR
<i>RPS19</i>	gcagagaccccttgactaa	AACCCAGCATGGTTTGTCT	PrimRNA	RT-qPCR
<i>GAPDH</i>	aagggccctgacaactcttt	GGTGGTCCAGGGGTCTTACT	PrimRNA	RT-qPCR
<i>TNF</i>	atggccacactgactctcct	GCTGGTTATCTCTCAGCTCCA	PrimRNA	RT-qPCR
<i>CXCL2</i>	tgttgtgcagtcagctttcc	AGCTTCCTCCTTCCTTCTGG	PrimRNA	RT-qPCR
<i>CCL2</i>	CCCCAGTCACCTGCTGTTAT	ggaaggttggtgtgctgaac	PrimRNA	RT-qPCR

Supplementary Table 4: GR and p65 binding sites, identified upon the indicated treatment (TA, TNF and TA+TNF), assigned to the genes of each of the 6 clusters.

Binding Sites	Clusters of regulated genes					
	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
<i>GR_TA</i>	78	502	40	275	197	436
<i>GR_TA+TNF</i>	76	504	48	338	223	404
<i>p65_TNF</i>	89	447	102	638	282	278
<i>p65_TA+TNF</i>	79	491	102	642	287	314

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