

Figure 1 displays a multi-panel plot illustrating gene expression data and its distribution across a gene list index.

The top panel shows the $\log_2(\text{RPKM})$ expression level (Y-axis) versus the Gene List Index (X-axis, ranging from 0 to 18,646). A blue line represents the expression profile. A vertical green dashed line marks the "Zero crossing at 7849". A vertical blue dotted line marks the "Peak at 15049". A horizontal dashed line indicates a threshold expression level.

The middle panel displays vertical lines representing individual genes, corresponding to the Gene List Index. The lines are grouped into two main clusters: one on the left (indices 0 to approximately 7,849) and one on the right (indices approximately 7,849 to 18,646).

The bottom panel shows the density of the Gene List Index (X-axis, ranging from 0 to 18,646). The density is represented by a green shaded area. The region from index 0 to approximately 7,849 is labeled "clus4". The region from index approximately 7,849 to 18,646 is labeled "NON.clus4".

Number of genes: 18646 (in list), 36 (in gene set)

ES = -0.565 NES = -1.59 Nom. p-val= 0.0554 FWER= 0.722 FDR= 0.525

Gene List:

- Class
- MAPK14
- CHUK
- TAB2
- ELK1
- IRAK1
- MAP3K7
- EIF2AK2
- TOLLIP
- TAB1
- IKBKG
- TIRAP
- ECSIT
- MAP2K4
- MYD88
- RELA
- NFKBIA
- IKKBK
- PGLYRP1
- TRAF6
- MAPK8
- MAP3K1
- NFKB1
- MAP3K14
- JUN
- FOS
- MAP2K3
- MAP2K6
- TLR2
- CD14
- LY96
- TLR6
- TLR3
- TLR4
- TLR7
- TLR9
- TLR10

Condition Labels (X-axis):

CLUS1: TCGA_NG_ABRW_01, TCGA_NG_AJRT_01, TCGA_NG_AHRU_01, TCGA_NG_AHRS_01, TCGA_NG_AHSE_01, TCGA_NF_AAVQ_01, TCGA_NA_AAR1_01, TCGA_NF_AASZ_01, TCGA_NG_AARA_01, TCGA_NG_AARD_01, TCGA_NG_AARE_01, TCGA_NG_AARS_01, TCGA_NG_ASSE_01, TCGA_NG_AANC_01, TCGA_NG_AANE_01, TCGA_NG_AAVE_01, TCGA_NG_AAVS_01, TCGA_NF_AAVT_01, TCGA_NF_AAVL_01, TCGA_NF_AAP1_01, TCGA_NG_AAPL_01, TCGA_NG_AAPM_01, TCGA_NG_AAPO_01, TCGA_NG_AAPP_01, TCGA_NG_AAPQ_01, TCGA_NG_AASE_01, TCGA_NF_AASZ_01, TCGA_NG_AAG2_01, TCGA_NG_AAG4_01, TCGA_NG_AAG7_01, TCGA_NG_AAG8_01, TCGA_NG_AAG9_01, TCGA_NA_AAGY_01, TCGA_NA_AAH0_01, TCGA_NA_AAI1_01, TCGA_NG_AAWA_01, TCGA_NG_AAVC_01, TCGA_NG_AANW_01, TCGA_NF_AAHU_01, TCGA_NG_AALV_01, TCGA_NG_AACI_01, TCGA_NG_AAMW_01.

Color Scale: -2 (Blue), 0 (White), 2 (Red)