

Figure 1 consists of three vertically stacked panels sharing a common x-axis labeled "Gene List Index" ranging from 0 to 18,000. The top panel shows a blue line graph representing the number of genes in the cluster. It starts at approximately 18,000, decreases to a minimum around index 11,000, and then increases back to approximately 18,000. A vertical green dashed line marks the "Zero crossing at 8363", and a vertical blue dashed line marks the "Peak at 14115". The middle panel shows a barcode of vertical lines representing gene sets. The bottom panel shows a green area graph representing the number of genes in the cluster. The area is labeled "clus3" on the left and "NON.clus3" on the right. The total number of genes is 18,000 (in list), and 83 genes are in the gene set.

A density plot showing the probability density function (P(ES)) of ES values. The x-axis is labeled 'ES' and ranges from -0.6 to 0.6. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 3.0. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.2 and 0.2. A vertical black line at ES = -0.432 represents the 'Observed Gene Set ES value'. The area to the left of this line is labeled 'Neg. ES "NON.clus3"' and the area to the right is labeled 'Pos. ES: "clus3"'. Below the x-axis, the following statistics are provided: ES = -0.432, NES = -1.65, Nom. p-val = 0.0385, FWER = 0.666, and FDR = 0.64.

The figure displays a heatmap of gene expression data. The y-axis lists 100 genes, grouped into two main categories: 'clus3' (red background) and 'NON.clus3' (blue background). The x-axis represents 100 individual samples, each identified by a unique ID. The color scale for each cell in the heatmap ranges from 0 (blue) to 1 (red), indicating the relative expression level of the gene in that sample. The 'clus3' group shows a distinct pattern of expression across the samples compared to the 'NON.clus3' group, which is used as a control or comparison.

clus3

NON.clus3

Class
 TRAF2
 ARH1
 PRKACB
 CHUK
 ENDOG
 PRKX
 CYP2C3
 TP53
 TNFRSF10C
 CASP9
 ART1
 BCL2
 PPP3R1
 PPP3CB
 TNFRSF10B
 IRAK1
 CASP1
 CASP3
 TNFRSF1A
 PRKAR1A
 IL1A
 APAF1
 DFFA
 PPP1CC
 AX1
 CASP4
 AIF1
 AXIT2
 AXIN2
 DFFB
 MYD88
 PRKAR2A
 RELA
 RIPK1
 PRKAR2B
 ATM
 FOG
 TNFRSF10B
 TNFRSF10A
 IKK8
 IRAK4
 PRKCB
 IKK8
 SMD
 FADD
 TRAF3
 PIK3R3
 PIK3R2
 PIK3CA
 CAPN1
 IRAK3
 BIRC2
 CASP8
 PRKACA
 NFKB1
 IL1R1
 PRKAR1B
 PIK3CA
 BID
 CAPN2
 CASP10
 MYD88
 PIK3R1
 BCL2L1
 IL3RA
 IRAK2
 CFLAR
 CSFPRB
 MAP3K14
 CHUK
 ENDO1
 PIK3D
 PIK3R5
 PIK3R5
 PIK3R5
 TNFRSF10
 BIRC3
 TNFRSF10
 IL1RAP
 IL1B
 TNF
 NTRK1
 FAS
 IL1A