

Figure 1 displays a multi-panel plot showing gene expression data across a gene list index (0 to 15000+).

The top panel shows a blue line representing the expression profile. A horizontal dashed line indicates the zero crossing at index 9486. A vertical green line marks the zero crossing at 9486, and a vertical blue line marks a peak at 15218.

The middle panel shows a barcode of vertical lines representing gene expression levels across the index.

The bottom panel shows a green area representing the expression profile for "clus1" (left) and "NON.clus1" (right). The x-axis is labeled "Gene List Index" and ranges from 0 to 15000. The y-axis is labeled "Number of genes: 18283 (in list), 83 (in gene set)".

A density plot showing the distribution of ES values for two gene sets. 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 to 3. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.25 and 0.25. A vertical black line at ES = -0.409 represents the 'Observed Gene Set ES value'. The area under the red curve to the left of this line is shaded light blue. Text labels indicate 'Neg. ES "NON.clus1"' for the left side and 'Pos. ES: "clus1"' for the right side. Below the x-axis, summary statistics are provided: ES = -0.409, NES = -1.42, Nom. p-val = 0.0442, FWER = 0.93, and FDR = 0.436.

Heatmap visualization showing gene expression profiles across 100 samples, clustered into two groups: **clus1** (red bar) and **NON.clus1** (blue bar). The y-axis lists 100 genes, and the x-axis shows individual samples. The heatmap is color-coded from blue (low expression) to red (high expression).

Gene List (Y-axis):

- Class
- LAMC2
- CDKN2B
- CEP3
- CCNE2
- PIK3R1
- CCNE1
- CYC3
- AKT3
- IKBKG
- COL4A2
- TRAF5
- TRAF6
- PIK3R5
- CDK6
- PTEN
- PKR3R5
- PKCQ
- PTEN
- CEP3
- TRAF1
- PIAS1
- TRAF3
- BCL2L1
- CKS1B
- PIK3C2
- CDK2
- TP53
- LAMB3
- CHUK1
- SKP2
- AKT1
- PIK3R2
- PIAS1
- MAX
- LAMA3
- IKBKB
- MYC
- PIK3CB
- MAP
- CDK4
- PIAS4
- CASP9
- SKA
- PIAS2
- ATF
- RELA
- NFKB1
- LAMA1
- RB1
- TRAF2
- BIRC2
- RNF1
- PKC3A
- APAF1
- NFKBIA
- ARID
- CDKN1B
- TRAF1
- PTK2
- COL4A4
- BIRC3
- BIRC3
- TRAF4
- ITGB
- LAMC3
- ITGA2
- LAMA5
- ITGA1
- BCL2
- PTGS2
- COL4A2
- CDKN1
- ITGA2
- COL4A1
- ITGA3
- LAMB2
- LAMA1
- LAMB4
- LAMA2
- LAMA4
- ITGA2B
- RARS
- FNI
- NOX2