

Figure 1 displays a multi-panel plot showing gene expression data across the Gene List Index (0 to 18,283).

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

The bottom panel shows a bar plot representing the number of genes in each cluster (clus1 and NON.clus1) across the Gene List Index. The x-axis is labeled "Gene List Index" and ranges from 0 to 18,283. The y-axis is labeled "Number of genes: 18283 (in list), 83 (in gene set)".

ES = -0.409 NES = -1.42 Nom. p-val= 0.0442 FWER= 0.93 FDR= 0.436

Heatmap visualization showing gene expression profiles across 100 samples, grouped into two clusters: **clus1** (red) and **NON.clus1** (blue). The y-axis lists 100 genes, and the x-axis lists 100 samples. The heatmap shows a clear separation between the two clusters, with **clus1** samples generally having higher expression of genes in the top half and lower expression of genes in the bottom half, and vice versa for **NON.clus1** samples.

**Gene List (Y-axis):**

- Class
- LAMC1
- CDKN2B
- CEP350
- CCNE2
- PRKCH1
- CCNE1
- CYC3
- AKT3
- IKBKG
- COL4A2
- TRAF5
- PRKCE
- CDK6
- PTEN
- PKC3R5
- PKCQ1
- PTEN
- CPIA
- TRAF1
- TRAF1
- TRAF3
- BCL2L1
- CKS1B
- PRKCC1
- CDK2
- TPX3
- LAMB3
- CHUK1
- SKP2
- AKT1
- PKC3R2
- PIAS1
- MAX
- LAMA3
- IKBKB
- MYC
- PKC3CB
- GAP
- CDK4
- PIAS4
- CASP9
- RORA
- PIAS3
- ATF2
- NFKB1
- TRAF1
- REB1
- TRAF2
- BIRC2
- RORA
- PKC3CA
- APAF1
- NFKBIA
- ARID1
- CDKN1B
- TRAF3
- PTK2
- COL4A1
- BIRC3
- LAMC1
- TRAF4
- ITGB1
- LAMC3
- ITGA2
- LAMA5
- ITGA1
- BCL2
- PTGS2
- COL4A2
- CDKN1
- ITGA2
- COL4A1
- ITGA3
- LAMA2
- LAMA1
- LAMA4
- LAMA2
- LAMA4
- ITGA2B
- RARB
- FN1
- NOX2

**Sample List (X-axis):**

- S1
- S2
- S3
- S4
- S5
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- S100