

Figure 1 displays a multi-panel plot showing gene expression data for the 35 genes in the gene set, plotted against the Gene List Index (0 to 17824).

The top panel shows the log₂(RPKM) expression level (blue line). The expression profile exhibits a sharp peak at index 13508 (labeled "Peak at 13508") and a sharp drop at index 8453 (labeled "Zero crossing at 8453"). A dashed horizontal line indicates the baseline expression level.

The middle panel shows the expression profiles of the 35 genes, represented by vertical lines. The genes are clustered into two groups: "clus2" (left) and "NON.clus2" (right).

The bottom panel shows the distribution of genes across the index, represented by a green area plot. The area is divided into two regions: "clus2" (left) and "NON.clus2" (right).

Gene List Index
Number of genes: 17824 (in list), 35 (in gene set)

A density plot showing the probability density function (PDF) of ES values. The x-axis is labeled 'ES' and ranges from approximately -0.8 to 0.8. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 2.0. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks around -0.5 and 0.5. A vertical black line at ES = -0.518 represents the 'Observed Gene Set ES value'. The plot is divided into two regions by a vertical line at ES = -0.5: 'Neg. ES "NON.clus2"' on the left and 'Pos. ES: "clus2"' on the right. Below the x-axis, the following statistics are displayed: ES = -0.518, NES = -1.38, Norm. p-val = 0.165, FWER = 0.963, and FDR = 0.536.

Heatmap visualization showing the expression of 30 DNA replication-related genes across 48 TCGA samples. The samples are clustered by sample type (cluser1) and gene expression (cluser2). The color scale ranges from -2 (blue) to 2 (red).

Genes (Rows):

- Class
- RPA4
- POLD4
- POLE
- RNASEH2C
- MCM4
- PCNA
- RFC2
- POLA2
- POLD3
- POLE4
- POLD1
- RFC1
- POLD2
- FEN1
- SSBP1
- MCM7
- RPA2
- MCM3
- RNASEH2B
- RPA1
- RFC5
- LIG1
- MCM5
- RNASEH1
- POLE3
- RNASEH2A
- PRIM2
- MCM6
- POLE2
- RPA3
- RFC3
- MCM2
- PRIM1
- RFC4
- DNA2

Sample Types (Columns):

- TCGA_KL_1326_01
- TCGA_KL_1330_01
- TCGA_KL_1332_01
- TCGA_KL_1335_01
- TCGA_KM_1438_01
- TCGA_KM_1442_01
- TCGA_KN_1423_01
- TCGA_KN_1425_01
- TCGA_KN_1426_01
- TCGA_KN_1430_01
- TCGA_KN_1432_01
- TCGA_KN_1433_01
- TCGA_KN_1435_01
- TCGA_KN_1440_01
- TCGA_KN_1441_01
- TCGA_KN_1443_01
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