

Figure 1 displays a multi-panel plot showing gene expression data across a gene list index (0 to 17824).

The top panel shows a blue line representing the log₂(RPKM) expression level. The line starts high, decreases, and then increases, forming a U-shape. Key features are marked: "Zero crossing at 9077" (indicated by a green vertical dotted line) and "Peak at 12278" (indicated by a blue vertical dotted line).

The middle panel shows vertical black bars representing gene expression levels, corresponding to the gene list index.

The bottom panel shows a green area plot representing the distribution of genes. The area is divided into two regions: "clus1" (left) and "NON.clus1" (right).

The x-axis is labeled "Gene List Index" and "Number of genes: 17824 (in list), 37 (in gene set)".

A density plot showing the distribution of ES values. The x-axis is labeled 'ES' and ranges from -1.0 to 1.0. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 1.5. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks around -0.5 and 0.5. A vertical black line represents the 'Observed Gene Set ES value' at approximately -0.547. The area under the red curve to the left of the black line is shaded light blue. Text labels on the x-axis indicate 'Neg. ES "NON.clus1"' for the left side and 'Pos. ES: "clus1"' for the right side. At the bottom, summary statistics are provided: ES = -0.547, NES = -1.16, Nom. p-val = 0.366, FWER = 0.996, and FDR = 1.

Heatmap showing the expression of 30 genes across 48 samples, clustered into two groups: **clus1** (red bar) and **NON.clus1** (blue bar). The color scale ranges from -2 (blue) to 2 (red).

Genes (Y-axis):

- Class
- HLA-DRB5
- ICA1
- IL12A
- HLA-G
- CD28
- GZMB
- CPE
- HLA-DRB1
- HLA-B
- IL1B
- CD80
- HLA-C
- HLA-DMA
- HSPD1
- HLA-A
- HLA-DRA
- PRF1
- PTPRN
- LTA
- IL12B
- HLA-E
- HLA-DPA1
- HLA-F
- CD86
- PTPRN2
- HLA-DPB1
- HLA-DMB
- HLA-DQA1
- FASLG
- IFNG
- FAS
- HLA-DOA
- GAD1
- HLA-DQA2
- TNF
- HLA-DOB
- IL1A

Samples (X-axis):

- TGGA_KL_5322_01
- TGGA_KL_5321_01
- TGGA_KL_5334_01
- TGGA_KL_5341_01
- TGGA_KL_5342_01
- TGGA_KN_5345_01
- TGGA_KN_5476_01
- TGGA_KN_5482_01
- TGGA_KN_5483_01
- TGGA_KN_5485_01
- TGGA_KN_5486_01
- TGGA_KN_5487_01
- TGGA_KN_5411_01
- TGGA_KN_5416_01
- TGGA_KL_5334_01
- TGGA_KL_5335_01
- TGGA_KL_5336_01
- TGGA_KL_5337_01
- TGGA_KL_5338_01
- TGGA_KL_5339_01
- TGGA_KL_5340_01
- TGGA_KL_5341_01
- TGGA_KL_5342_01
- TGGA_KL_5343_01
- TGGA_KL_5344_01
- TGGA_KL_5346_01
- TGGA_KN_5489_01
- TGGA_KN_5490_01
- TGGA_KN_5491_01
- TGGA_KN_5492_01
- TGGA_KN_5493_01
- TGGA_KN_5494_01
- TGGA_KN_5495_01
- TGGA_KN_5496_01
- TGGA_KN_5497_01
- TGGA_KN_5498_01
- TGGA_KN_5499_01
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- TGGA_KN_5502_01
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