

Figure 1 displays a multi-panel plot showing gene expression data for the 'clus2' cluster. The x-axis represents the Gene List Index (0 to 19,051) and the y-axis represents the expression signal (ranging from -1.0 to 0.2).

The top panel shows the 'clus2' expression signal (blue line) across the Gene List Index. The signal starts near 0, decreases to a minimum around index 13,890, and then increases. A green vertical dashed line marks the 'Zero crossing at 9002', and a blue vertical dotted line marks the 'Peak at 13890'.

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

The bottom panel shows a stacked area chart representing the distribution of genes in the 'clus2' cluster (green area) and the 'NON.clus2' cluster (red area). The 'clus2' cluster is dominant in the early part of the gene list, while the 'NON.clus2' cluster is dominant in the later part.

Number of genes: 19051 (in list), 107 (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 -0.3 and 0.4. A vertical black line represents the 'Observed Gene Set ES value' at approximately -0.362. The area under the red curve to the left of this line is shaded in light blue. Text labels on the x-axis indicate 'Neg. ES "NON.clus2"' for negative values and 'Pos. ES: "clus2"' for positive values. At the bottom, a summary line provides the following statistics: ES = -0.362, NES = -1.04, Nom. p-val = 0.454, FWER = 0.999, and FDR = 1.

Heatmap visualization showing gene expression profiles across 100 samples, categorized into two groups: **clus2** (red) and **NON.clus2** (blue). The y-axis lists 100 genes, and the x-axis lists 100 samples. The heatmap is color-coded by sample group: clus2 (red) and NON.clus2 (blue). The genes are ordered by their expression profile across the samples.

Gene List (Y-axis):

- CD4
- CARD11
- CD8
- PD4
- PD5
- PD6
- PD7
- PD8
- PD9
- PD10
- PD11
- PD12
- PD13
- PD14
- PD15
- PD16
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- PD97
- PD98
- PD99
- PD100

Sample List (X-axis):

- 1
- 2
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- 100