

Figure 1 displays a multi-panel plot showing gene expression data for 18,496 genes. The x-axis represents the Gene List Index (0 to 18,496) and the Number of genes (18,496 in list, 83 in gene set).

The top panel shows the log₂(RPKM) expression level (blue line) across the gene list. A dashed horizontal line indicates a threshold at 1.5. A green vertical line marks the "Zero crossing at 7441", and a blue vertical line marks the "Peak at 13791".

The middle panel shows a barcode representation of gene expression levels, with vertical black lines indicating the presence of genes.

The bottom panel shows the distribution of genes, with a green area plot. The left side is labeled "clus1" and the right side is labeled "NON.clus1".

The figure is a density plot showing the distribution 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 3.0. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.3 and 0.4. A vertical black line represents the 'Observed Gene Set ES value' at ES = -0.517. 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.clus1"' for the left side and 'Pos. ES: "clus1"' for the right side. At the bottom, statistical values are provided: ES = -0.517, NES = -1.4, Nom. p-val = 0.083, FWER = 0.973, and FDR = 0.964.

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Heatmap visualization showing gene expression patterns across two groups: **clus1** and **NON.clus1**. The y-axis lists 100 genes, and the x-axis represents individual samples. A color scale at the top indicates expression levels from -2 (blue) to 2 (red).

clus1 **NON.clus1**

Gene list (from top to bottom):

- Class
- TF
- TNNI2
- ITGB4
- ITGB6
- TGFBI
- ITGA6
- ITGA8
- ITGB8
- ITGA5
- ITGA3
- TGFB3
- TPM4
- ACTB
- DMD
- ADRB1
- CACNG6
- ATP1A2
- PRKACA
- TNN3
- ITGB1
- MYBPC3
- ITGB5
- LIMB1
- ITGA7
- ADCY7
- TPM2
- EMO
- TNN3
- MYL2
- ACTG1
- ADCY8
- MYH6
- ADCY4
- CACNB3
- CACNA2D3
- ITGB7
- TPM1
- GNA3
- TGFB2
- ITGA11
- LAMA2
- DAG1
- DES
- CACNA1C
- PRKACB
- ITGB3
- PLN
- MTH7
- ADCY2
- CACNA1D
- PRKX
- SGCB
- SGCD
- ITGA8
- ITGA1
- SGCA
- ACTC1
- TTN
- ITGA7
- ADCY1
- PIRE2
- MYL3
- ADCY6
- IGF1
- ITGA4
- CACNB2
- CACNA2D4
- TNNC1
- ITGA10
- CACNA1F
- SGCG
- ITGA2B
- SLC1A1
- CACNB1
- CACMO
- ADCY8
- ITGA9
- CACNA1S
- CACNB4
- CACNA2D2
- CACNA2D1
- CACNG4
- ADCY8