

Figure 1: A multi-panel plot showing gene expression data. The top panel is a line graph of a red signal (likely gene expression) over a Gene List Index (0 to 18,192). The signal peaks at index 3367 (marked by a red dotted line) and crosses zero at index 9398 (marked by a green dotted line). The bottom panel shows a green shaded area representing the distribution of gene expression, with a black line indicating the mean. The area is divided into "clus1" (left) and "NON.clus1" (right) regions. The x-axis is labeled "Gene List Index" and "Number of genes: 18192 (in list), 104 (in gene set)".

A density plot showing the distribution of ES values. The x-axis is labeled 'ES' and ranges from -0.6 to 0.6. The y-axis is labeled 'P(ES)' and ranges from 0 to 3. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.25 and 0.25. A vertical black line at ES = 0.379 represents the 'Observed Gene Set ES value'. The area under the red curve to the right of this line is shaded in light blue. Text labels on the x-axis indicate 'Neg. ES "NON.clus1"' for negative values and 'Pos. ES: "clus1"' for positive values. At the bottom, statistical results are provided: ES = 0.379, NES = 1.38, Nom. p-val = 0.115, FWER = 0.981, and FDR = 0.774.

Gene Set Null Density

Observed Gene Set ES value

P(ES)

Neg. ES "NON.clus1"

Pos. ES: "clus1"

ES

ES = 0.379 NES = 1.38 Nom. p-val = 0.115 FWER = 0.981 FDR = 0.774

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