

Figure 1 is a multi-panel plot showing the relationship between Gene List Index (x-axis, 0 to 18315) and various metrics. The top panel displays a red line representing a metric that peaks at 4235 and crosses zero at 9679. The middle panel shows a barcode of vertical lines representing gene sets. The bottom panel shows a green area representing a metric that decreases from left to right. The x-axis is labeled "Gene List Index" and ranges from 0 to 18315. The y-axis is labeled "Number of genes: 18315 (in list), 124 (in gene set)".

A density plot showing the distribution of ES values for two gene sets. 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 1.5. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks around -0.3 and 0.3. A black vertical line at ES = 0.548 represents the 'Observed Gene Set ES value'. The area to the right of this line is shaded gray. Text labels on the x-axis indicate 'Neg. ES "NON.clus2"' for negative values and 'Pos. ES: "clus2"' for positive values. At the bottom, summary statistics are provided: ES = 0.548, NES = 1.56, Nom. p-val= 0.1, FWER= 0.949, and FDR= 0.207.

Gene Set Null Density

Observed Gene Set ES value

P(ES)

Neg. ES "NON.clus2"

Pos. ES: "clus2"

ES

ES = 0.548 NES = 1.56 Nom. p-val= 0.1 FWER= 0.949 FDR= 0.207

The heatmap displays gene expression data for 100 genes across two clusters: **clus2** and **NON.clus2**. The y-axis lists the genes, and the x-axis represents individual samples. The color scale ranges from blue (low expression) to red (high expression).

**Genes (Y-axis):**

- Clus1
- CDAL
- LOC1
- MEC1
- MEC2
- MEC3
- MEC4
- MEC5
- MEC6
- MEC7
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- MEC94
- MEC95
- MEC96
- MEC97
- MEC98
- MEC99
- MEC100

**Clusters:**

- clus2** (Left section)
- NON.clus2** (Right section)