

Figure 1 displays a multi-panel plot illustrating the relationship between the Gene List Index (X-axis, ranging from 0 to 18192) and the Number of genes (18192 in list, 118 in gene set).

The top panel shows the "clus1" (blue line) and "NON.clus1" (green line) values. The "clus1" line starts high, decreases, and then rises sharply after the peak at 14659. The "NON.clus1" line remains low throughout the range.

The middle panel shows a barcode representation of the gene sets, with vertical lines indicating the presence of genes. The density of lines increases significantly after the peak at 14659.

The bottom panel shows a green area representing the "clus1" cluster, which is concentrated at the beginning of the gene list (low index) and tapers off towards the end.

Key features marked on the plot include:

- Zero crossing at 9398 (indicated by a vertical green dashed line).
- Peak at 14659 (indicated by a vertical blue dotted line).

A density plot showing the distribution of ES values. The x-axis is labeled 'ES' and ranges from -0.5 to 0.5. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 2.5. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks around -0.3 and 0.3. A vertical black line at ES = -0.485 represents the 'Observed Gene Set ES value'. 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. Below the x-axis, statistical values are provided: ES = -0.485, NES = -1.34, Nom. p-val= 0.123, FWER= 0.991, and FDR= 0.849.

[illegible]