

Figure 1 is a multi-panel plot illustrating the relationship between the number of genes in a list and the number of genes in a set. The x-axis represents the 'Gene List Index' and the 'Number of genes: 17259 (in list), 116 (in gene set)'. The y-axis represents the 'Number of genes in the list' and the 'Number of genes in the set'.

The top panel shows a blue line representing the relationship. The line starts at a high value (around 17000) and decreases as the number of genes in the list increases, reaching a minimum around 14475, and then increases sharply. A vertical green dashed line marks the 'Zero crossing at 8873', and a vertical blue dotted line marks the 'Peak at 14475'. A horizontal dashed line is drawn at approximately 17000.

The middle panel shows a barcode of vertical lines representing the number of genes in the list. The lines are black and vary in height, indicating the frequency of different gene counts.

The bottom panel shows a green area representing the number of genes in the set. The area is bounded by a green line that starts at a high value (around 17000) and decreases as the number of genes in the list increases, reaching a minimum around 14475, and then increases sharply. The area is labeled 'clus3' and 'NON.clus3'.

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 2.0. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.4 and 0.4. A vertical black line at ES = -0.617 represents the 'Observed Gene Set ES value'. The area under the red curve to the left of this line is shaded gray. Labels on the x-axis indicate 'Neg. ES "NON.clus3"' for the left side and 'Pos. ES: "clus3"' for the right side. Below the x-axis, the following text is displayed: ES = -0.617 NES = -1.39 Nom. p-val= 0.111 FWER= 0.922 FDR= 0.151.