

Figure 1 displays the distribution of genes in the "clus6" cluster. The plot shows the density function (red line) and the cumulative distribution function (green area) across the Gene List Index (0 to 18113). The density function peaks at 5004 and crosses zero at 8750. The cumulative distribution function shows the proportion of genes in the "clus6" cluster (green area) and the "NON.clus6" cluster (white area). The x-axis is labeled "Gene List Index" and "Number of genes: 18113 (in list), 338 (in gene set)".

The figure is 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 0.0 to 2.5. 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 represents the 'Observed Gene Set ES value' at approximately 0.466. 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.clus6"' for negative values and 'Pos. ES: "clus6"' for positive values. At the bottom, a summary line provides the following statistics: ES = 0.466, NES = 1.47, Nom. p-val= 0.0938, FWER= 0.987, and FDR= 1.

Heatmap visualization showing gene expression profiles across 100 samples, grouped into two clusters: **clus6** and **NON.clus6**. The y-axis lists 100 gene identifiers, and the x-axis represents individual samples. The heatmap is color-coded by expression level, with red indicating higher expression and blue indicating lower expression. The 'clus6' group on the left shows a distinct pattern of high expression for many genes compared to the 'NON.clus6' group on the right.