

This density plot shows the distribution of ES values for the 'NON.clus2' gene set. 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 4. 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 = -0.388 represents the 'Observed Gene Set ES value'. The text 'Neg. ES "NON.clus2"' is located below the x-axis on the left, and 'Pos. ES: "clus2"' is on the right. At the bottom, the following statistics are provided: ES = -0.388, NES = -1.36, Nom. p-val= 0.062, FWER= 0.975, and FDR= 0.212.

Heatmap visualization showing the correlation of 1000 SNPs across 1000 samples. The samples are grouped into two main clusters: **clus2** (left) and **NON.clus2** (right). The color scale represents the correlation coefficient, ranging from -0.2 (blue) to 0.2 (red). The diagonal is white, indicating a correlation of 1.0. The heatmap shows a strong block of high positive correlation within the **clus2** group, while the **NON.clus2** group shows a more heterogeneous pattern of correlations.