

A density plot showing the distribution of ES values for two gene sets. 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 to 5. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.25 and 0.2. A black vertical line at ES = -0.397 represents the 'Observed Gene Set ES value'. The area to the left of this line is labeled 'Neg. ES "NON.clus2"' and the area to the right is labeled 'Pos. ES: "clus2"'. Below the x-axis, the following text is displayed: ES = -0.397 NES = -1.61 Nom. p-val= 0.00876 FWER= 0.909 FDR= 1.

Heatmap showing the correlation of gene expression profiles between the top 100 genes and the top 100 genes in the same cluster. The heatmap is divided into two main sections: **clus2** and **NON.clus2**. The **clus2** section shows high correlation (red) for genes within the same cluster and low correlation (blue) for genes in different clusters. The **NON.clus2** section shows low correlation (blue) for genes within the same cluster and high correlation (red) for genes in different clusters. The genes are listed on the y-axis, grouped by cluster.

Genes listed on the y-axis (from top to bottom):

- TCGA\_3X\_AA0A\_01
- CGA\_W5\_AA2W\_01
- TCGA\_W5\_AA36\_01
- TCGA\_W6\_AA0S\_01
- TCGA\_3X\_AA09\_01
- TCGA\_3X\_AA0B\_01
- TCGA\_3X\_AA0C\_01
- TCGA\_3X\_AA0E\_01
- TCGA\_4G\_AA2O\_01
- TCGA\_4G\_AA2T\_01
- CGA\_W5\_AA2G\_01
- TCGA\_W5\_AA2H\_01
- TCGA\_W5\_AA2I\_01
- CGA\_W5\_AA2O\_01
- CGA\_W5\_AA2Q\_01
- TCGA\_W5\_AA2R\_01
- TCGA\_W5\_AA2T\_01
- TCGA\_W5\_AA2U\_01
- TCGA\_W5\_AA2X\_01
- TCGA\_W5\_AA2Z\_01
- TCGA\_W5\_AA30\_01
- TCGA\_W5\_AA31\_01
- TCGA\_W5\_AA33\_01
- TCGA\_W5\_AA34\_01
- TCGA\_W5\_AA38\_01
- TCGA\_W5\_AA39\_01
- CGA\_WD\_A7RX\_01
- TCGA\_YR\_A95A\_01
- TCGA\_ZD\_A8I3\_01
- TCGA\_ZH\_A8Y1\_01
- TCGA\_ZH\_A8Y2\_01
- TCGA\_ZH\_A8Y4\_01
- TCGA\_ZH\_A8Y5\_01
- TCGA\_ZH\_A8Y6\_01
- TCGA\_ZH\_A8Y8\_01
- TCGA\_ZH\_A8S4\_01