

The figure is a density plot showing the probability density function (PDF) of ES values. The x-axis is labeled 'ES' and ranges from approximately -0.8 to 0.8, with major ticks at -0.5, 0.0, and 0.5. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 2.5, with major ticks at 0.0, 0.5, 1.0, 1.5, 2.0, and 2.5. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately ES = -0.7 (P ≈ 1.8) and ES = 0.3 (P ≈ 1.7). A vertical black line represents the 'Observed Gene Set ES value' at ES = 0.436. 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.clus3"' for negative values and 'Pos. ES: "clus3"' for positive values. At the bottom, the following statistics are provided: ES = 0.436, NES = 1.19, Nom. p-val = 0.245, FWER = 0.999, and FDR = 1.

Heatmap visualization showing gene expression profiles for two clusters: **clus3** and **NON.clus3**. The y-axis lists genes, and the x-axis represents individual samples. The color scale ranges from -2 (blue) to 2 (red).

clus3

NON.clus3

Gene list (from top to bottom):

- Class
- DMC1
- CACNB2
- TGFB2
- MYH9
- TNF
- CACNA1F
- ITGB1
- CACNA1C
- ITGA1
- MYH7
- ITGA7
- SGCG
- TPM2
- ITGA10
- LAMA2
- ITGA11
- TTN
- CACNG1
- CACNA1D
- TPM1
- CACNG4
- CACNA15
- TGFB3
- ITGB2
- SLCBT1
- ITGA4
- SGCG
- MYL3
- CACNB3
- ITGB5
- TNNI3
- SGCA
- CACNA2D4
- CACNB1
- SGCB
- ACTC1
- ITGB7
- ITGB1
- RTRR
- ACE
- ITGA1
- ITGA5
- TNNC1
- ITGA3
- ITGA6
- ITGA9
- DAG1
- PRKAA1
- CACNA2D1
- ACTB
- CACNB4
- TPM3
- PRKAG2
- MYBPC3
- PRKAB1
- PRKAA2
- CACNG5
- PRKAG1
- EMG
- ACTG1
- CACNA2D3
- DES
- PRKAB2
- MYL2
- LAMA
- TGFB1
- ITGB5
- GPI
- TPM4
- ATP2A2
- ITGA6
- ITGA2
- ITGB4
- IL4
- ITGB8
- TNNI7
- CACNA2D5