

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 to 3. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.35 and 0.3. A vertical black line represents the 'Observed Gene Set ES value' at ES = -0.289. 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 = -0.289 NES = -0.814 Nom. p-val= 0.77 FWER= 1 FDR= 1.

Heatmap visualization showing gene expression profiles across two clusters: **clus2** and **NON.clus2**. The y-axis lists 100 genes, and the x-axis represents 1000 samples. The color scale ranges from blue (low expression) to red (high expression).

Gene List (Y-axis):

- Class
- MYH7
- MYH6
- CACNA3
- PRKAA2
- RYR2
- TNNI3
- ITGB6
- TNNI3
- CACNB2
- CACNA2D3
- TGFB2
- LAMB2
- CACNB2
- CACNA2D4
- CACNA1D
- SCCA
- TGFB3
- SLC8A1
- ITGB4
- ITGB3
- DAG1
- ACE
- CACNG5
- PRKAB1
- TPM1
- IGF1
- ITGAV
- TGFB1
- EMD
- SCC1
- ITGB7
- ITGA3
- ITGB8
- ITGA6
- MYBPC3
- PRKAA1
- ITGA2
- TPM8
- ITGA4
- SCC8
- ACTG1
- PRKAB2
- ITGB1
- ITGA9
- ACTB
- ITGB5
- TPM4
- CACNB4
- PRKAA1
- ITGA1
- ITGB8
- PRKAG2
- ITGA10
- CACNA1F
- TNNI2
- ITGA7
- LAMA
- ATP2A2
- TNN3
- CACNB3
- TNNI
- CACNA2D3
- TPM2
- CACNG7
- ITGA5
- CACNA1S
- CACNA2D1
- CACNA1C
- ACTG1
- CACNB1
- CACNG6
- IL6
- MYL3
- ITGA11
- MYL2
- SCC1
- CACNA3
- DES
- ITGB9
- CACNG4
- CACNG1