

A density plot showing the probability density function $P(ES)$ on the y-axis (ranging from 0 to 3) against the ES value on the x-axis (ranging from -0.6 to 0.6). The plot features a red curve representing the 'Gene Set Null Density' and a vertical black line representing the 'Observed Gene Set ES value' at $ES = -0.289$. The red curve is bimodal, with peaks at approximately $ES = -0.35$ and $ES = 0.3$. The observed value is located on the left peak, in the region labeled 'Neg. ES "NON.clus2"'. The right peak is in the region labeled 'Pos. ES: "clus2"'. Below the x-axis, the following statistics are provided: $ES = -0.289$, $NES = -0.814$, $Nom. p\text{-val} = 0.77$, $FWER = 1$, and $FDR = 1$.

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

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

- Class1
- MYH7
- MYH10
- CACNG3
- SRD
- PRKAA2
- RYR2
- TNN
- ITGB6
- TNNC1
- CACNG8
- CACNA2D3
- TGFB2
- LAMA2
- CACNB2
- CACNA2D4
- CACNA1D
- SCCA
- TGFB3
- SLC6A1
- ITGB4
- ITGB3
- DAG1
- ACE
- CACNG5
- PRKAB1
- TPM1
- IGF1
- ITGA9
- TGFB1
- EMD
- SGCD
- ITGB7
- ITGA3
- ITGB8
- ITGA6
- MYBPC2
- PRKAG1
- ITGA2
- TPM2
- ITGA4
- SGCR
- ACTG1
- PRKAB2
- ITGB1
- ITGA1
- ACTB
- ITGB5
- TPM4
- CACNB4
- PRKAA1
- ITGA1
- ITGB6
- PRKAG2
- ITGA10
- CACNA1F
- TNN2
- ITGA7
- LAMA
- ATP2A2
- TNN3
- CACNB3
- TNNF
- CACNA2D3
- TPM3
- CACNG7
- ITGA5
- CACNA1S
- CACNA2D1
- CACNA1C
- ACTC1
- CACNB1
- CACNG6
- IL6
- MYL3
- ITGA11
- MYL2
- SGCD
- CACNG3
- DES
- ITGB9
- CACNG4
- CACNG1