

Figure 1 displays the distribution of genes in the "clus2" cluster across the Gene List Index (0 to 18170). The plot shows the number of genes in "clus2" (blue line) and the number of genes in "NON.clus2" (green area) as a function of the Gene List Index. The blue line shows a sharp drop at index 8325 (labeled "Zero crossing at 8325") and a sharp rise at index 16919 (labeled "Peak at 16919"). The green area shows a sharp drop at index 8325 and a sharp rise at index 16919. The x-axis is labeled "Gene List Index" and "Number of genes: 18170 (in list), 64 (in gene set)".

A density plot showing the probability density function (PDF) 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 0.0 to 3.0. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.3 and 0.3. A vertical black line represents the 'Observed Gene Set ES value' at ES = -0.411. The area under the red curve to the left of this line is shaded gray. Text labels on the x-axis indicate 'Neg. ES "NON.clus2"' for the left side and 'Pos. ES: "clus2"' for the right side. At the bottom, a summary line reads: 'ES = -0.411 NES = -1.2 Norm. p-val= 0.229 FWER= 0.998 FDR= 1'.

Heatmap visualization showing gene expression levels across two clusters: **clus2** (left) and **NON.clus2** (right). The y-axis lists 60 genes, and the x-axis represents individual samples. The color scale ranges from blue (low expression) to red (high expression).

Genes (Y-axis):

- Class
- CACNA2D3
- TNNI2
- ATP1B3
- CACNA2D1
- SLC8A1
- CACNA2D4
- COX6B2
- SLC9A6
- ATP2A2
- ATP1A4
- TPM4
- ATP1A1
- ATP1A2
- MYH6
- ATP1A3
- CACNB3
- ATP1B1
- UQCRLH
- MYH7
- COX7B
- UQCRL
- CYC1
- COX6C
- TPM3
- RYR2
- UQCRL1
- COX4I1
- COX6A1
- COXA
- COX7A1
- CACNA1F
- COX4D
- COXA
- COX5B
- SLC9A1
- UQCRC1
- UQCRL0
- COX7C
- CACNA1D
- UQCRCF1
- COX6B1
- UQCRCQ
- UQCRCB
- COX7A2
- CACNB2
- ATP1B2
- CACNA1C
- COX7A2L
- CACNB4
- FXYD2
- COX8C
- MYL3
- MYL2
- ACTC1
- CACNB1
- CACNNG1
- CACNA2D2
- TPM2
- COX6A2
- TPM1
- TNNB3
- CACNG4
- CACNG6
- TNNC1