

Figure 1: A plot showing the number of genes in the "clus1" cluster as a function of the gene list index. The x-axis is "Gene List Index" (0 to 18457) and the y-axis is "Number of genes" (0 to 18457). A blue line represents the number of genes in the "clus1" cluster, which starts at 18457, decreases to a minimum of 69 at index 16386, and then increases back to 18457. A green shaded area represents the number of genes in the "NON.clus1" cluster, which starts at 0 and increases to 18457 at index 16386. A vertical green dashed line marks the "Zero crossing at 7900" and a vertical blue dashed line marks the "Peak at 16386". A horizontal dashed line is at y=18457. A barcode plot below the x-axis shows the distribution of gene sets.

Gene Set Null Density

Observed Gene Set ES value

$P(ES)$

Neg. ES "NON.clus1"

Pos. ES: "clus1"

ES

ES = -0.588 NES = -1.68 Nom. p-val= 0.00616 FWER= 0.536 FDR= 0.218

Class	
CACNA1F	
COX8B2	
TNNT2	
CACNG6	
CACNB3	
TNNI3	
CACNB1	
TPM2	
SLC9A1	
ATP1B3	
MYL2	
ATP1B1	
TPM4	
UQCRC4	
COX5B	
UQCRC7	
TPM3	
CACNG4	
TPM1	
COX5A	
COX8B1	
COX7B	
UQCRC1	
COX6A1	
ATP2A2	
CYC1	
CACNG8	
COX6C	
COX4II	
CACNA2D4	
UQCRC10	
UQCRC9	
COX7A2L	
COX7C	
COX8A	
COX7A2	
UQCRC11	
UQCRCFS1	
UQCRC6	
ATP1A1	
SLC9A6	
CACNA1C	
CACNG1	
TNNC1	
ATP1A4	
COX7A1	
MYL3	
CACNA2D1	
CACNG7	
CACNA1S	
ACTC1	
COX4G	
SLC8A1	
CACNB6	
CACNA1D	
CACNA2D3	
ATP1A2	
CACNG2	
RYR3	
CACNG3	
COX6A2	
MYH7	
ATP1A3	
CACNB2	
CACNG5	
ATP1B2	
FXYD2	
MYH6	
CACNA2D2	