

Figure 1 displays the distribution of genes in the "cluser" gene set. The plot shows the "cluser" score (y-axis, 0 to 1) versus the "Gene List Index" (x-axis, 0 to 22,748). The score starts at 1, peaks at 3976, and crosses zero at 13,039. The plot also shows the distribution of genes in the "cluser" set (green area) and the "NON.cluser" set (black area).

A density plot showing the distribution of ES values for two gene sets. 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 -0.25 and 0.25. A vertical black line represents the 'Observed Gene Set ES value' at approximately 0.429. The area to the left of the line is labeled 'Neg. ES "NON.clus2"' and the area to the right is labeled 'Pos. ES: "clus2"'. Below the x-axis, the following statistics are provided: ES = 0.429 NES = 1.4 Nom. p-val= 0.0735 FWER= 0.86 FDR= 0.493.

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

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

- CALM1
- CALM2
- WNT1A
- WNT7A
- WNT7B
- FZ1
- WNT10A
- WNT10B
- FZD9
- FZD1
- WNT10E
- WNT7E
- WNT4
- WNT2
- CALML6
- PCSK
- CAMH3B
- PCSK
- URAS
- ANTH
- TYR
- CALM3
- WNT3B
- WNT2
- FZD1
- PC1
- WNT11
- ADCY7
- WNT1
- GSK3B
- PC1
- MAP2K1
- NRAS
- MAPK1
- CREB1
- MAPK3
- MAP2K2
- EPOR
- CREBB
- SHC
- ASIP
- PCSK
- PRKACA
- PRKACB
- CTNNT1
- CALM1
- FZD1
- PCSK
- FZD2
- PCSK
- CAMK2G
- ADCY7
- QSOX1
- GNAQ
- CREB1
- CREB1
- MAPK1
- ADCY7
- EDN1
- WNT8
- CALM1
- TCF11
- MTF
- ADCY7
- PC1
- WNT2
- ADCY7
- FZD9
- PRKGB
- WNT10
- WNT1
- FZD5
- PRKGB
- PRKACB
- PRKACB
- PRKACB
- PRKACB
- PRKACB