

Gene Set Null Density

Observed Gene Set ES value

$P(ES)$

Neg. ES "NON.clus1"

Pos. ES: "clus1"

ES

ES = 0.469 NES = 1.51 Nom. p-val= 0.0202 FWER= 0.897 FDR= 0.682

Heatmap visualization showing gene expression profiles across two clusters: **clus1** and **NON.clus1**. The y-axis lists 100 genes, and the x-axis represents individual samples. A color scale at the bottom indicates expression levels from -2 (blue) to 2 (red).

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

- CLUS1
- POMC
- FZD3
- LEP
- PLCB4
- WNT6
- TGIF
- ADCY5
- ADCY1
- CAMK2G
- CAMK2Z
- EDNRB
- TCF7L1
- WNT5B
- GNAT3
- PCF2
- WNT4
- PLCB1
- WNT1
- PRKACB
- PRK5
- FZD1
- CALML6
- FZD8
- WNT
- WNT5A
- WNT5B
- WNT5C
- ADCY2
- WNT5D
- CREB1
- GNAS
- WNT2B
- CTNNA1
- WNT3
- KRAS
- WNT8B
- CREB1
- GSX3
- GNAS
- CALML5
- WNT
- EP300
- CREB1
- CALML6
- CREBBP
- FZD9
- CREB1
- FZD4
- FZD10
- FZD11
- WNT1
- WNT2
- WNT3
- WNT4
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