

Figure 1 displays a multi-panel plot illustrating gene expression data for the "cluser2" cluster. The x-axis represents the Gene List Index, ranging from 0 to 18166 (in list), with 84 genes in the gene set.

The top panel shows a blue line plot representing gene expression levels. The expression starts high, decreases, and then rises sharply after index 14677. A vertical green dashed line marks the "Zero crossing at 8612", and a vertical blue dotted line marks the "Peak at 14677".

The middle panel shows a barcode of vertical lines representing gene expression levels across the Gene List Index.

The bottom panel shows a green area plot representing the distribution of gene expression levels. The area is labeled "cluser2" on the left and "NON.cluser2" on the right.

Number of genes: 18166 (in list), 84 (in gene set)

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 $ES = -0.436$. The red curve is bimodal, with peaks at approximately $ES = -0.3$ and $ES = 0.25$. The observed value is located in the left tail of the distribution, under the first peak. Labels on the x-axis indicate 'Neg. ES "NON.clus2"' for negative values and 'Pos. ES: "clus2"' for positive values.

ES = -0.436 NES = -1.4 Nom. p-val= 0.0596 FWER= 0.962 FDR= 0.577

| | clus2 | NON.clus2 |
|----------|-------|-----------|
| Class | | |
| NR01 | | |
| TLE5 | | |
| DDOC1 | | |
| ZD6 | | |
| DAM1 | | |
| FRZ5 | | |
| LRR5 | | |
| SFRP1 | | |
| WNT1 | | |
| SCL5 | | |
| TCF | | |
| TCF7L1 | | |
| AES | | |
| GSK3B | | |
| EP300 | | |
| FZD7 | | |
| ACTR | | |
| LRP6 | | |
| FZD3 | | |
| PTG01 | | |
| CSNK1A1 | | |
| GAPDH | | |
| FBXW1 | | |
| CTNNB1 | | |
| NLS | | |
| FBXW2 | | |
| TLE1 | | |
| PPP2CA | | |
| AOM1 | | |
| ZD5 | | |
| CSNK2A1 | | |
| DVL2 | | |
| APC | | |
| GSK3A | | |
| ESM | | |
| FBXW4 | | |
| HPR1 | | |
| JUN | | |
| WNT3A | | |
| SENP2 | | |
| CTBP2 | | |
| CSNK1G1 | | |
| CSNK1D | | |
| CTBP1 | | |
| SLC4A3B1 | | |
| PPP2R1A | | |
| CDC4 | | |
| WNT7A | | |
| FZD4 | | |
| WISPR | | |
| PORCN | | |
| SFRP4 | | |
| CONO3 | | |
| RPL13A | | |
| SCF | | |
| DVL1 | | |
| WNT4 | | |
| RHOU | | |
| FRAT1 | | |
| FZD1 | | |
| WNT6 | | |
| WIF1 | | |
| BTIC2 | | |
| PITX2 | | |
| KREMEN1 | | |
| CTNNGBP1 | | |
| WYC | | |
| LEF1 | | |
| WNT6 | | |
| WNT10A | | |
| FZD9 | | |
| FZD2 | | |
| FOSL1 | | |
| CONO2 | | |
| WNT7B | | |
| CONO1 | | |
| WNT2 | | |
| WNT5A | | |
| WNT1 | | |
| WNT5B | | |
| WNT5B | | |
| WNT11 | | |
| DKK1 | | |