

Figure 1: A multi-panel plot showing the distribution of gene lists across clusters. The top panel is a red line graph of the number of gene lists vs. Gene List Index, with a peak at 1318 and a zero crossing at 7849. The middle panel shows vertical bars representing the number of gene lists per index. The bottom panel is a green area plot showing the distribution of gene lists across clusters, with "clus4" on the left and "NON.clus4" on the right. The x-axis is labeled "Gene List Index" and "Number of genes: 18646 (in list), 62 (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 -0.5 to 0.5). The plot features a red curve representing the 'Gene Set Null Density' and a vertical black line at $ES = 0.276$ representing the 'Observed Gene Set ES value'. The area to the left of the vertical line is labeled 'Neg. ES "NON.clus4"' and the area to the right is labeled 'Pos. ES: "clus4"'. Below the x-axis, the following statistics are provided: $ES = 0.276$, $NES = 0.737$, $Nom. p\text{-val} = 0.946$, $FWER = 1$, and $FDR = 0.86$.

clus4

NON.clus4

Class

GNAL
OR56A3
OR2A1
OR2L13
OR1J2
OR2W3
OR2AE1
GUCY2D
OR1P1
OR2H2
OR2B6
OR2A2
PC
CLCA2
OR51E2
OR6B3
OR1C1
ADCY3
OR2T8
OR2H1
OR51B4
GUCA1A
OR56B4
OR3A2
CALML3
PRKACB
PRKACA
PDE1C
OR7D2
CAMK2G
CALM3
ARRB2
PRKX
ADRBK2
OR51E1
CALM2
CALM1
OR7C1
CAMK2D
GUCA1B
CALML5
OR51B5
OR5AU1
OR52N2
CNG51
OR7A5
OR7A7
OR13J1
PRKG2
OR2K2
OR13A1
CAMK2B
PRKG1
CLCA4
CNGA4
OR2A4
OR2C1
CNGA3
OR52N4
OR10AD1
CAMK2A
CALML6

CLUS4

NON-CLUS4

TCGA_S1_A0001_01
TCGA_S1_A0002_01
TCGA_S1_A0003_01
TCGA_S1_A0004_01
TCGA_S1_A0005_01
TCGA_S1_A0006_01
TCGA_S1_A0007_01
TCGA_S1_A0008_01
TCGA_S1_A0009_01
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