

Figure 1: A plot showing the distribution of the number of genes in the clus4 cluster across the gene list index. The x-axis is 'Gene List Index' (0 to 17824) and the y-axis is 'Number of genes' (-1.0 to 0.5). A red line shows the cumulative distribution, peaking at 3086 and crossing zero at 8216. A green shaded area represents the distribution of the number of genes in the clus4 cluster, with a peak at 3086. A vertical dotted red line marks the peak at 3086, and a vertical dotted green line marks the zero crossing at 8216. The plot is labeled 'clus4' and 'NON.clus4'.

Gene Set Null Density

Observed Gene Set ES value

$P(ES)$

Neg. ES "NON.clus4"

Pos. ES: "clus4"

ES

ES = 0.462 NES = 1.53 Nom. p-val= 0.0756 FWER= 0.939 FDR= 1

Heatmap showing gene expression levels across 48 samples, categorized into clus4 and NON.clus4. The y-axis lists 25 genes, and the x-axis lists 48 samples. A color scale from -2 (blue) to 2 (red) is shown at the top.

Gene List (Y-axis):

- Class
- ITGB3
- PDGFB
- PDGFRB
- CRK
- PIK3CA
- FARP2
- MLLT4
- ITGAV
- CLDN1
- PTK2
- RAP1B
- PTPRM
- RAP1A
- IQQAP1
- F11R
- RAC1
- CDC42
- CTNNB1
- CTNNA1
- TLN1
- PIK3R1
- SRC
- RAPGEF1
- PVRL3
- CDH1
- PVRL2
- PVRL1
- VAV2
- PIP5K1C
- PVR

Sample List (X-axis):

- TCGA_KL_8306_01
- TCGA_KL_8333_01
- TCGA_KL_8343_01
- TCGA_KL_8344_01
- TCGA_KL_8377_01
- TCGA_KN_8419_01
- TCGA_KL_8322_01
- TCGA_KL_8323_01
- TCGA_KL_8325_01
- TCGA_KL_8327_01
- TCGA_KL_8328_01
- TCGA_KL_8329_01
- TCGA_KL_8330_01
- TCGA_KL_8331_01
- TCGA_KL_8332_01
- TCGA_KL_8334_01
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