

Figure 1 displays the distribution of gene list indices for the 'clus1' and 'NON.clus1' clusters. The x-axis represents the Gene List Index, ranging from 0 to 18,000. The y-axis represents the Number of genes: 18646 (in list), 46 (in gene set).

The top panel shows the cumulative distribution function (CDF) of gene list indices. The red line represents the CDF, which starts at 0 and rises sharply to a peak at index 964, then gradually declines. A vertical dotted red line marks the peak at index 964, and a vertical dotted green line marks the zero crossing at index 8866.

The bottom panel shows the probability density function (PDF) of gene list indices. The green area represents the PDF, which starts at 0 and rises sharply to a peak at index 964, then gradually declines. The area under the curve is shaded green.

Key features of the distribution include:

- Peak at 964
- Zero crossing at 8866
- Labels: "clus1" and "NON.clus1"

Gene Set Null Density

Observed Gene Set ES value

P(ES)

Neg. ES "NON.clus1"

Pos. ES: "clust1"

ES

ES = 0.852 NES = 1.79 Nom. p-val= 0 FWER= 0.619 FDR= 0.351

Heatmap showing gene expression profiles across two clusters, 'clus1' and 'NON.clus1'. The y-axis lists 50 genes, and the x-axis lists 50 samples. The color scale ranges from -2 (blue) to 2 (red).

clus1 **NON.clus1**

Class

MYL1
TNNC2
ACTN2
MYBP1
MYL4
MYH3
NEB
MYH8
TNNC1
TNNI2
TNNI1
TNNT2
DES
MYBP2
MYL3
MYH6
TCAP
MYL2
TNNT1
TPM2
TNN3
TMOD1
MYL6B
DMD
TPM1
MYL9
LMOD1
TPM3
SORBS1
SORBS3
VIM
MYL6
CALM1
TLN1
VCL
CALM2
CALM3
TPM4
ACTA2
MYL12B
CALD1
ITGA1
MYLK
ITGB5
ACTG2
MYH11

TCGA_NG_A488_01
TCGA_NG_A488_01
TCGA_NG_A489_01
TCGA_NG_A490_01
TCGA_NG_A491_01
TCGA_NG_A492_01
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