

Figure 1: A plot showing the distribution of the number of genes in the gene set. The x-axis is "Gene List Index" (0 to 17717) and the y-axis is "Number of genes" (0 to 17717). A red line shows the distribution, peaking at 3532 and crossing zero at 8789. A green shaded area represents the distribution of genes in the gene set, with a peak at 3532. A vertical red dotted line marks the peak at 3532, and a vertical green dotted line marks the zero crossing at 8789. A horizontal dashed line is at y=35. The plot is divided into two regions: "clus4" (left of 3532) and "NON.clus4" (right of 8789).

Gene Set Null Density

Observed Gene Set ES value

P(ES)

Neg. ES "NON.clus4"

Pos. ES: "clus4"

ES

ES = 0.797 NES = 1.53 Nom. p-val= 0.0186 FWER= 0.835 FDR= 0.232

**clus4** **NON.clus4**

**Class**

FASLG

HLA-DRB5

PRF1

CD28

HLA-DQA1

HLA-DOA

HLA-DQA2

KLRD1

HLA-DRB1

HLA-DPA1

GZMB

HLA-DPB1

HLA-DOB

HLA-DRA

HLA-F

KIR2DL1

TNF

CD86

HLA-DMA

KIR3DL2

FAS

KIR3DL1

KLRC1

HLA-E

HLA-B

HLA-A

IL1B

CD80

KIR2DL3

HLA-C

IL1A

HLA-DMB

HLA-G

IFNG

IL6

TCGA-02-0001-01A

TCGA-02-0001-01B

TCGA-02-0001-01C

TCGA-02-0001-01D

TCGA-02-0001-01E

TCGA-02-0001-01F

TCGA-02-0001-01G

TCGA-02-0001-01H

TCGA-02-0001-01I

TCGA-02-0001-01J

TCGA-02-0001-01K

TCGA-02-0001-01L

TCGA-02-0001-01M

TCGA-02-0001-01N

TCGA-02-0001-01O

TCGA-02-0001-01P

TCGA-02-0001-01Q

TCGA-02-0001-01R

TCGA-02-0001-01S

TCGA-02-0001-01T

TCGA-02-0001-01U

TCGA-02-0001-01V

TCGA-02-0001-01W

TCGA-02-0001-01X

TCGA-02-0001-01Y

TCGA-02-0001-01Z

TCGA-02-0001-02A

TCGA-02-0001-02B

TCGA-02-0001-02C

TCGA-02-0001-02D

TCGA-02-0001-02E

TCGA-02-0001-02F

TCGA-02-0001-02G

TCGA-02-0001-02H

TCGA-02-0001-02I

TCGA-02-0001-02J

TCGA-02-0001-02K

TCGA-02-0001-02L

TCGA-02-0001-02M

TCGA-02-0001-02N

TCGA-02-0001-02O

TCGA-02-0001-02P

TCGA-02-0001-02Q

TCGA-02-0001-02R

TCGA-02-0001-02S

TCGA-02-0001-02T

TCGA-02-0001-02U

TCGA-02-0001-02V

TCGA-02-0001-02W

TCGA-02-0001-02X

TCGA-02-0001-02Y

TCGA-02-0001-02Z

TCGA-02-0001-03A

TCGA-02-0001-03B

TCGA-02-0001-03C

TCGA-02-0001-03D

TCGA-02-0001-03E

TCGA-02-0001-03F

TCGA-02-0001-03G

TCGA-02-0001-03H

TCGA-02-0001-03I

TCGA-02-0001-03J

TCGA-02-0001-03K

TCGA-02-0001-03L

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TCGA-02-0001-04B

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