

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 18646) and the y-axis is 'Number of genes' (0 to 35). A red line shows the cumulative distribution, peaking at 2288 and crossing zero at 8614. A green shaded area shows the density of the gene set, with a peak at 2288. The plot is divided into two regions: 'clus2' (left) and 'NON.clus2' (right).

Gene Set Null Density

Observed Gene Set ES value

Neg. ES "NON.clus2"

Pos. ES: "clus2"

ES

ES = 0.818 NES = 1.56 Nom. p-val= 0.00207 FWER= 0.752 FDR= 0.282

Heatmap showing the expression of 28 genes across 48 samples, clustered into two groups: **clus2** and **NON.clus2**. The color scale ranges from -2 (blue) to 2 (red).

**Genes (Rows):**

- Class
- IL1B
- KLRC1
- TNF
- HLA-DRB5
- IL1A
- HLA-DQA2
- KLRD1
- GZMB
- HLA-DQA1
- HLA-DOB
- HLA-DMA
- HLA-DRB1
- FAS
- IFNG
- KIR2DL3
- HLA-DRA
- CD86
- HLA-DPA1
- HLA-DPB1
- HLA-C
- FASLG
- KIR3DL1
- HLA-G
- HLA-B
- PRF1
- HLA-DMB
- HLA-E
- CD80
- IL6
- HLA-A
- KIR3DL2
- HLA-F
- CD28
- KIR2DL1
- HLA-DOA

**Samples (Columns):**

- TCGA\_M5\_A49F\_01
- TCGA\_M5\_A49H\_01
- TCGA\_M5\_A49G\_01
- TCGA\_M5\_A49C\_01
- TCGA\_M5\_A49D\_01
- TCGA\_M5\_A49E\_01
- TCGA\_M5\_A49B\_01
- TCGA\_M7\_A59B\_01
- TCGA\_M5\_A49I\_01
- TCGA\_M5\_A49M\_01
- TCGA\_M5\_A49J\_01
- TCGA\_M5\_A49K\_01
- TCGA\_M5\_A49L\_01
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