

Figure 1: A plot showing the number of genes in the top 68 clusters versus the gene list index. The x-axis is 'Gene List Index' (0 to 18646) and the y-axis is 'Number of genes' (0 to 18646). A blue line represents the cumulative number of genes in the top 68 clusters. A green vertical line marks the 'Zero crossing at 7849'. A blue vertical line marks the 'Peak at 15851'. The area under the blue line is shaded green, with the region to the left of the zero crossing labeled 'clus4' and the region to the right labeled 'NON.clus4'.

ES = -0.678 NES = -1.69 Nom. p-val= 0.00935 FWER= 0.507 FDR= 0.759

The heatmap displays the expression levels of 100 genes across 100 samples. The genes are listed on the y-axis, and the samples are listed on the x-axis. The samples are grouped into two main clusters: **clus4** (red background) and **NON.clus4** (blue background). The color scale ranges from -2 (blue) to 2 (red), with 0 being white. The genes are ordered by their expression pattern across the samples, with the top 50 genes showing high expression in the **clus4** group and the bottom 50 genes showing high expression in the **NON.clus4** group.

Gene List (Y-axis):

- Class
- RAC3
- SGCB
- LAMA2
- EIF4G3
- HLA-G
- ABL2
- ABL1
- CYCS
- HLA-F
- HLA-B
- RAC1
- ACTB
- EIF4G2
- MYH10
- ACTG1
- BID
- EIF4G1
- MYH15
- HLA-A
- HLA-E
- HLA-C
- DMD
- CASP3
- MYH9
- CASP8
- MYH4
- PRF1
- CASP6
- RAC2
- CXADR
- ICAM1
- FYN
- CAV1
- MYH1
- MYH11
- CD40
- CD86
- DAG1
- HLA-DRI
- MYH14
- HLA-DQA
- HLA-DPB1
- CDMD1
- HLA-DPA1
- HLA-DRA
- HLA-DQA2
- MYH8
- ITGB2
- SGCD
- MYH13
- SGCG
- MYH7B
- SGCA
- HLA-DMA
- HLA-DMB
- MYH6
- CD55
- MYH2
- MYH3
- HLA-DRB5
- HLA-DOB
- CD40LG
- MYH7
- HLA-DOB1
- HLA-DOA1
- CD80
- ITGAL

Sample List (X-axis):

- TCGA_HL_A48D_01
- TCGA_HL_A48D_02
- TCGA_HL_A48D_03
- TCGA_HL_A48D_04
- TCGA_HL_A48D_05
- TCGA_HL_A48D_06
- TCGA_HL_A48D_07
- TCGA_HL_A48D_08
- TCGA_HL_A48D_09
- TCGA_HL_A48D_10
- TCGA_HL_A48D_11
- TCGA_HL_A48D_12
- TCGA_HL_A48D_13
- TCGA_HL_A48D_14
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- TCGA_HL_A48D_97
- TCGA_HL_A48D_98
- TCGA_HL_A48D_99
- TCGA_HL_A48D_100