

Figure 1 is a line plot with a shaded area and a barcode-like representation. The x-axis is labeled "Gene List Index" and ranges from 0 to 15,000. The y-axis ranges from -1.0 to 0.5. A red line starts at (0,0), rises to a peak of approximately 0.45 at index 3089, then gradually declines, crossing the 0.0 line at index 8453, and continues to decrease to approximately -0.1 at index 15,000. A green shaded area is located below the x-axis, starting at -0.5 at index 0 and gradually increasing to -1.0 at index 15,000. A vertical dotted red line is at index 3089, labeled "Peak at 3089". A vertical dotted green line is at index 8453, labeled "Zero crossing at 8453". The plot is divided into two regions: "clus2" on the left and "NON.clus2" on the right. A horizontal dashed line is at y=0.0. A barcode-like representation of vertical lines is shown between the x-axis and the red line, with a higher density of lines in the "clus2" region.

Number of genes: 17824 (in list), 53 (in gene set)

Gene Set Null Density

Observed Gene Set ES value

P(ES)

Neg. ES "NON.clus2"

Pos. ES: "clus2"

ES

ES = 0.462 NES = 1.59 Nom. p-val= 0.0245 FWER= 0.717 FDR= 1

Heatmap visualization showing gene expression levels across various samples, categorized into 'clus2' and 'NON.clus2' groups. The y-axis lists genes, and the x-axis lists samples. The color scale ranges from -2 (blue) to 2 (red).

Gene List (Y-axis):

- Class
- TUBB3
- TUBB3
- TUBB2B
- CDH1
- TUBB1
- WAS
- TUBB4Q
- LY96
- TUBB2A
- KRT19
- ARPC1B
- HCLSL1
- TUBA1A
- TUBA8
- TUBA4A
- CTTN
- ARPC5
- TUBA1C
- TLR5
- FYN
- CD14
- TUBA1B
- TUBB6
- CDC42
- ACTB
- TLR4
- OCLN
- ARHGEF2
- ARPC3
- ACTG1
- TUBA1A
- WASL
- ITGB1
- TUBB2C
- YWHAZ
- ARPC2
- ABL1
- TUBA3D
- ROCK1
- ROCK2
- ARPC5L
- YWHAQ
- NCL
- EZR
- TUBB
- PRKCA
- NCK2
- ARPC4
- RHOA
- CTNNB1
- CLDN1
- TUBB4
- NCK1

Sample List (X-axis):

- TCGA_KL_1324_01
- TCGA_KL_1325_01
- TCGA_KL_1332_01
- TCGA_KL_1346_01
- TCGA_KN_1418_01
- TCGA_KN_1419_01
- TCGA_KN_1420_01
- TCGA_KN_1421_01
- TCGA_KN_1422_01
- TCGA_KN_1423_01
- TCGA_KN_1424_01
- TCGA_KN_1425_01
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