

Figure 1 consists of three vertically stacked panels sharing a common x-axis labeled "Gene List Index" with major ticks at 0, 5000, 10000, and 15000. Below the x-axis, a caption reads: "Number of genes: 18646 (in list), 26 (in gene set)".

- Top Panel:** A blue line graph representing the number of genes in the set. It starts at a high value, decreases with some fluctuations, and then increases sharply after index 14000. A horizontal dashed line is at the top. A vertical green dotted line is at index 8788, labeled "Zero crossing at 8788". A vertical blue dotted line is at index 14440, labeled "Peak at 14440".
- Middle Panel:** A series of vertical black lines of varying heights, representing the number of genes in the list. The lines are clustered in several regions, notably around index 4000, 8000, 11000, and 14000.
- Bottom Panel:** A green area graph representing the number of genes in the set. The area is mostly flat, with a slight increase at the end (index 18000). The left side is labeled "clus4" and the right side is labeled "NON.clus4".

A density plot showing the distribution of ES values for two gene sets. The x-axis is labeled 'ES' and ranges from -0.6 to 0.6. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 2.5. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.25 and 0.25. A vertical black line at ES = -0.505 represents the 'Observed Gene Set ES value'. The area to the left of this line is labeled 'Neg. ES "NON.clus4"' and the area to the right is labeled 'Pos. ES: "clus4"'. Below the x-axis, the following text is displayed: ES = -0.505 NES = -1.65 Nom. p-val= 0.038 FWER= 0.852 FDR= 1

Heatmap showing the expression of 20 genes across 40 samples, clustered into two groups: clus4 (red) and NON.clus4 (blue). The genes are listed on the y-axis, and the samples are listed on the x-axis. The color scale ranges from -2 (blue) to 2 (red).

Gene List (Y-axis):

- Class
- METTL6
- PAPSS1
- CBS
- TRMT11
- MARS
- PAPSS2
- WBSCR22
- AHCYL1
- GGT7
- AHCYL2
- MAT2B
- SEPHS1
- CTH
- SEPHS2
- LCMT1
- LCMT2
- SCLY
- METTL2B
- MAT2A
- AHCY
- HEMK1
- GGT6
- MAT1A
- MARS2
- GGT5
- GGT1

Sample List (X-axis):

- TCGA_M5_A4RN_01
- TCGA_M5_A4RO_01
- TCGA_M5_A4RT_01
- TCGA_M5_A4S1_01
- TCGA_M5_A4S2_01
- TCGA_M5_A4S3_01
- TCGA_M5_A4S4_01
- TCGA_M5_A4S5_01
- TCGA_M5_A4S6_01
- TCGA_M5_A4S7_01
- TCGA_M5_A4S8_01
- TCGA_M5_A4S9_01
- TCGA_M5_A4S10_01
- TCGA_M5_A4S11_01
- TCGA_M5_A4S12_01
- TCGA_M5_A4S13_01
- TCGA_M5_A4S14_01
- TCGA_M5_A4S15_01
- TCGA_M5_A4S16_01
- TCGA_M5_A4S17_01
- TCGA_M5_A4S18_01
- TCGA_M5_A4S19_01
- TCGA_M5_A4S20_01
- TCGA_M5_A4S21_01
- TCGA_M5_A4S22_01
- TCGA_M5_A4S23_01
- TCGA_M5_A4S24_01
- TCGA_M5_A4S25_01
- TCGA_M5_A4S26_01
- TCGA_M5_A4S27_01
- TCGA_M5_A4S28_01
- TCGA_M5_A4S29_01
- TCGA_M5_A4S30_01
- TCGA_M5_A4S31_01
- TCGA_M5_A4S32_01
- TCGA_M5_A4S33_01
- TCGA_M5_A4S34_01
- TCGA_M5_A4S35_01
- TCGA_M5_A4S36_01
- TCGA_M5_A4S37_01
- TCGA_M5_A4S38_01
- TCGA_M5_A4S39_01
- TCGA_M5_A4S40_01
- TCGA_M5_A4S41_01
- TCGA_M5_A4S42_01
- TCGA_M5_A4S43_01
- TCGA_M5_A4S44_01
- TCGA_M5_A4S45_01
- TCGA_M5_A4S46_01
- TCGA_M5_A4S47_01
- TCGA_M5_A4S48_01
- TCGA_M5_A4S49_01
- TCGA_M5_A4S50_01
- TCGA_M5_A4S51_01
- TCGA_M5_A4S52_01
- TCGA_M5_A4S53_01
- TCGA_M5_A4S54_01
- TCGA_M5_A4S55_01
- TCGA_M5_A4S56_01
- TCGA_M5_A4S57_01
- TCGA_M5_A4S58_01
- TCGA_M5_A4S59_01
- TCGA_M5_A4S60_01
- TCGA_M5_A4S61_01
- TCGA_M5_A4S62_01
- TCGA_M5_A4S63_01
- TCGA_M5_A4S64_01
- TCGA_M5_A4S65_01
- TCGA_M5_A4S66_01
- TCGA_M5_A4S67_01
- TCGA_M5_A4S68_01
- TCGA_M5_A4S69_01
- TCGA_M5_A4S70_01
- TCGA_M5_A4S71_01
- TCGA_M5_A4S72_01
- TCGA_M5_A4S73_01
- TCGA_M5_A4S74_01
- TCGA_M5_A4S75_01
- TCGA_M5_A4S76_01
- TCGA_M5_A4S77_01
- TCGA_M5_A4S78_01
- TCGA_M5_A4S79_01
- TCGA_M5_A4S80_01
- TCGA_M5_A4S81_01
- TCGA_M5_A4S82_01
- TCGA_M5_A4S83_01
- TCGA_M5_A4S84_01
- TCGA_M5_A4S85_01
- TCGA_M5_A4S86_01
- TCGA_M5_A4S87_01
- TCGA_M5_A4S88_01
- TCGA_M5_A4S89_01
- TCGA_M5_A4S90_01
- TCGA_M5_A4S91_01
- TCGA_M5_A4S92_01
- TCGA_M5_A4S93_01
- TCGA_M5_A4S94_01
- TCGA_M5_A4S95_01
- TCGA_M5_A4S96_01
- TCGA_M5_A4S97_01
- TCGA_M5_A4S98_01
- TCGA_M5_A4S99_01
- TCGA_M5_A4S100_01