

Figure 1: A multi-panel plot showing the distribution of gene lists. The top panel is a red line graph of the number of genes in the top 60 of a list versus the Gene List Index (0 to 17824). The line starts at a baseline, rises to a peak at index 4557, and then gradually declines, crossing the baseline at index 8765. The bottom panel shows a green area plot of the same data, with a peak at index 4557 and a zero crossing at index 8765. The area is labeled "clus3" for the first part and "NON.clus3" for the second part. The x-axis is labeled "Gene List Index" and "Number of genes: 17824 (in list), 60 (in gene set)".

A density plot showing the distribution of ES values for the 'clus3' gene set. 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 to 4. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.3 and 0.3. A vertical black line at ES = 0.398 represents the 'Observed Gene Set ES value'. The area under the red curve to the right of this line is shaded in light red. Text labels on the x-axis indicate 'Neg. ES "NON.clus3"' for negative values and 'Pos. ES: "clus3"' for positive values. At the bottom, statistical values are provided: ES = 0.398, NES = 1.21, Nom. p-val = 0.194, FWER = 0.995, and FDR = 0.551.

Heatmap visualization showing gene expression levels across 100 samples, categorized into two groups: **clus3** (left) and **NON.clus3** (right). The color scale ranges from blue (low expression) to red (high expression).

Gene List (Rows):

- Class
- ATP1B4
- RYR2
- ACTC1
- CACNA1D
- COX7A1
- ATP1A3
- CACNB2
- TNNC1
- CACNA1S
- CACNA1C
- FXYD2
- COX7C
- UQCRI8
- COX5B
- ATP1B2
- COX5A
- UQCRI8L
- UQCRI1
- UQCRI9
- COX6B1
- TNNI2
- COX16
- ATP1A1
- UQCRI1
- COX7A2L
- UQCRIH
- COX7A2
- UQCRIH1
- CYC1
- UQCRI10
- TNNI3
- COX5A
- COX7B
- COX6A1
- CACNB3
- ATP1B3
- ATP1B1
- ATP1A2
- COX4H
- SLC9A6
- COX4I2
- SLC9A1
- TPM2
- ATP1A2
- SLC8A1
- TPM1
- CACNA1F
- TPM3
- CACNA2D2
- COX6A2
- CACNA1G
- CACNA2D1
- CACNB1
- CACNB4
- MYL3
- CACNA2D3
- ATP1A4
- TPM4
- COX6B2
- CACNA2D4

Sample List (Columns):

- TCGA_A1_1336_01
- TCGA_A1_1337_01
- TCGA_A1_1338_01
- TCGA_A1_1339_01
- TCGA_A1_1340_01
- TCGA_A1_1341_01
- TCGA_A1_1342_01
- TCGA_A1_1343_01
- TCGA_A1_1344_01
- TCGA_A1_1345_01
- TCGA_A1_1346_01
- TCGA_A1_1347_01
- TCGA_A1_1348_01
- TCGA_A1_1349_01
- TCGA_A1_1350_01
- TCGA_A1_1351_01
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- TCGA_A1_1367_01
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- TCGA_A1_1369_01
- TCGA_A1_1370_01
- TCGA_A1_1371_01
- TCGA_A1_1372_01
- TCGA_A1_1373_01
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- TCGA_A1_1375_01
- TCGA_A1_1376_01
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- TCGA_A1_1402_01
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- TCGA_A1_1498_01
- TCGA_A1_1499_01
- TCGA_A1_1500_01