

Figure 1 displays a multi-panel plot showing gene expression data and cluster assignment. The top panel shows a red line graph of normalized expression (y-axis: -0.2 to 0.4) versus Gene List Index (x-axis: 0 to 17,728). The middle panel shows a barcode of vertical lines representing gene expression levels. The bottom panel is a green area plot showing the probability of gene assignment to "clus1" (y-axis: -1.0 to 0.0) versus Gene List Index. A red dotted line marks the peak at 8171, and a green dotted line marks the zero crossing at 10766. The bottom panel is labeled "clus1" and "NON.clus1".

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 to 4. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.15 and 0.15. A vertical black line at ES = 0.371 represents the 'Observed Gene Set ES value'. The area to the left of this line is labeled 'Neg. ES "NON.clus1"' and the area to the right is labeled 'Pos. ES: "clus1"'. Below the x-axis, the following statistics are provided: ES = 0.371, NES = 1.82, Nom. p-val= 0.0282, FWER= 0.5, and FDR= 0.388.

Heatmap visualization showing gene expression data across 100 samples. The genes are grouped into two clusters: **clus1** (red) and **NON.clus1** (blue). The samples are grouped into two clusters: **clus1** (red) and **NON.clus1** (blue). The heatmap shows a clear pattern of gene expression across the samples, with some genes showing high expression in one cluster and low expression in the other.

Gene list (rows):

- CLUS1
- RFC1
- NUP27
- NUP188
- NUP210
- NUP107
- GTF2A2
- GTF2A3
- NUP189
- YER317C
- NUP1
- NUP133
- POLR2D
- IFP
- RANB1
- SLAP
- GTF2H
- POLR2B
- GTF2H1
- NUP65
- YER317A
- NUP93
- NUP1
- YAP1
- RANB1
- CIVE1
- ANAT1
- GTF2H1
- GTF2H1
- GTF2H1
- NUP62
- YER317B
- POLR2D
- YER317C
- YER317D
- YER317E
- YER317F
- YER317G
- YER317H
- YER317I
- YER317J
- YER317K
- YER317L
- YER317M
- YER317N
- YER317O
- YER317P
- YER317Q
- YER317R
- YER317S
- YER317T
- YER317U
- YER317V
- YER317W
- YER317X
- YER317Y
- YER317Z
- YER317A1
- YER317A2
- YER317A3
- YER317A4
- YER317A5
- YER317A6
- YER317A7
- YER317A8
- YER317A9
- YER317A10
- YER317A11
- YER317A12
- YER317A13
- YER317A14
- YER317A15
- YER317A16
- YER317A17
- YER317A18
- YER317A19
- YER317A20
- YER317A21
- YER317A22
- YER317A23
- YER317A24
- YER317A25
- YER317A26
- YER317A27
- YER317A28
- YER317A29
- YER317A30
- YER317A31
- YER317A32
- YER317A33
- YER317A34
- YER317A35
- YER317A36
- YER317A37
- YER317A38
- YER317A39
- YER317A40
- YER317A41
- YER317A42
- YER317A43
- YER317A44
- YER317A45
- YER317A46
- YER317A47
- YER317A48
- YER317A49
- YER317A50
- YER317A51
- YER317A52
- YER317A53
- YER317A54
- YER317A55
- YER317A56
- YER317A57
- YER317A58
- YER317A59
- YER317A60
- YER317A61
- YER317A62
- YER317A63
- YER317A64
- YER317A65
- YER317A66
- YER317A67
- YER317A68
- YER317A69
- YER317A70
- YER317A71
- YER317A72
- YER317A73
- YER317A74
- YER317A75
- YER317A76
- YER317A77
- YER317A78
- YER317A79
- YER317A80
- YER317A81
- YER317A82
- YER317A83
- YER317A84
- YER317A85
- YER317A86
- YER317A87
- YER317A88
- YER317A89
- YER317A90
- YER317A91
- YER317A92
- YER317A93
- YER317A94
- YER317A95
- YER317A96
- YER317A97
- YER317A98
- YER317A99
- YER317A100