

Figure 1 is a multi-panel plot showing the relationship between the Gene List Index (X-axis, 0 to 17,346) and various metrics. The top panel displays a red line representing a metric that peaks at 1323 and crosses zero at 9453. The middle panel shows a barcode of vertical lines representing gene clusters. The bottom panel shows a green area representing the distribution of genes, with labels "clus2" and "NON.clus2".

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 3.0. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.3 and 0.3. A black vertical line at ES = 0.488 represents the 'Observed Gene Set ES value'. The area to the left of this line is labeled 'Neg. ES "NON.clus2"' and the area to the right is labeled 'Pos. ES: "clus2"'. Below the x-axis, the following statistics are provided: ES = 0.488 NES = 1.53 Nom. p-val= 0.037 FWER= 0.924 FDR= 0.164.

Heatmap visualization showing the expression of 100 genes across 100 samples, categorized into two clusters: **clus2** and **NON.clus2**. The color scale ranges from -2 (blue) to 2 (red).

Gene List (Rows):

- Class
- GNB3
- NGG13
- NGS11
- NGEF
- GNV5
- RASGRF1
- ADRA1B
- GNG4
- GNG12
- RASGRF2
- PIK3R3
- TIAM1
- VAV1
- GNB5
- ADRA1D
- PLEKHG2
- GNG2
- FOD2
- KALRN
- RHOG
- ARHGEF3
- FOD3
- AKAP15
- PIK3R2
- BXA2R
- ARHGEF17
- ARHGEF2
- RHOE
- RAC2
- ARHGEF6
- GNB2
- GNB1
- RHOE
- ARHGEF4
- PREX1
- FOD1
- GNG6
- ARHGEF16
- ARHGAP4
- GNA12
- RAC1
- ITSN1
- ABR
- ARHGEF11
- NGF2
- ARHGEF18
- VAV3
- RHOA
- ARHGEF1
- ARHGEF12
- GNG7
- ARHGEF9
- SOS1
- TRIO
- OBSN
- CDC42
- PLXNB1
- GNG11
- PIK3R1
- GNA13
- GNG12
- GNG10
- SOS2
- ROCK1
- ROCK2
- TIAM2
- GNB4
- FOD4
- NET1
- EGF
- PIK3CA

Sample List (Columns):

- T00A_17_0000
- T00A_17_0001
- T00A_17_0002
- T00A_17_0003
- T00A_17_0004
- T00A_17_0005
- T00A_17_0006
- T00A_17_0007
- T00A_17_0008
- T00A_17_0009
- T00A_17_0010
- T00A_17_0011
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- T00A_17_0038
- T00A_17_0039
- T00A_17_0040
- T00A_17_0041
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- T00A_17_0080
- T00A_17_0081
- T00A_17_0082
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- T00A_17_0090
- T00A_17_0091
- T00A_17_0092
- T00A_17_0093
- T00A_17_0094
- T00A_17_0095
- T00A_17_0096
- T00A_17_0097
- T00A_17_0098
- T00A_17_0099
- T00A_17_0100