

Figure 1 displays a multi-panel plot showing gene set enrichment analysis results. The x-axis represents the Gene List Index (0 to 17,824) and the Number of genes (17,824 in list, 63 in gene set). The y-axis represents the Enrichment Score (ES).

The top panel shows the ES curve (blue line) across the gene list index. The curve starts at approximately 0.1, peaks at 0.25 at index 16,382, and crosses zero at index 8,805. A horizontal dashed line is at ES = 0.

The middle panel shows the density of genes in the set (black bars). The density is highest at index 16,382, corresponding to the peak in the ES curve.

The bottom panel shows the cumulative distribution of genes (green area). The distribution is skewed towards the right, with a sharp drop at index 16,382.

Key annotations include:

- Zero crossing at 8805
- Peak at 16382
- "clus2"
- "NON.clus2"

A density plot showing the distribution of ES values. 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 -0.25 and 0.25. A vertical black line at ES = -0.428 represents the 'Observed Gene Set ES value'. The area under the red curve to the left of this line is shaded in light blue. Text labels on the x-axis indicate 'Neg. ES "NON.clus2"' for the left side and 'Pos. ES: "clus2"' for the right side. At the bottom, a summary line provides the following statistics: ES = -0.428, NES = -1.57, Nom. p-val= 0.0166, FWER= 0.941, FDR= 1.

**clus2** **NON.clus2**

Class

PKC2  
PRKACG  
PYGM  
GYS2  
PYGB  
PFKFB3  
FBP1  
PHKG1  
SLC25A10  
PHKG2  
PFKL  
PPP2R1B  
PGM1  
PFKFB2  
ALDOA  
GOT2  
SLC25A11  
GOT1  
PPP2R1A  
CALM2  
MDH2  
PHKB  
PRKACA  
GPI  
PPP2CB  
UGP2  
SLC25A1  
PFKM  
PYGL  
PFKP  
PGM2  
PGAM1  
CALM1  
PPP2R5  
AGL  
PKM2  
ENO1  
PHKA2  
PGK1  
ALDOE  
SLC25A12  
TPH1  
GAPDH  
MDH1  
SLC25A13  
GYS1  
CALM3  
PGAM2  
PHKA1  
PPP2CA  
PKLR  
ALDOB  
GAPDHS  
GYG1  
PRKACB  
ENO3  
GBE1  
ENO2  
GYG2  
PKC1  
PFKFB1  
PC  
PFKFB4

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