

Figure 1: A plot showing the distribution of genes in the "clus2" and "NON.clus2" clusters. The top panel is a line plot of a red signal (likely a density or probability) against the Gene List Index (0 to 18197). The signal peaks at 3619 and crosses zero at 10533. The bottom panel shows a green shaded area representing the distribution of genes in the "clus2" cluster, with a black line representing the distribution of genes in the "NON.clus2" cluster. The x-axis is labeled "Gene List Index" and "Number of genes: 18197 (in list), 87 (in gene set)".

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 3. 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 represents the 'Observed Gene Set ES value' at approximately 0.374. The area under the red curve to the right of this line is shaded in light red. Labels on the x-axis indicate 'Neg. ES "NON.clus2"' for negative values and 'Pos. ES: "clus2"' for positive values. Below the plot, statistical values are provided: ES = 0.374, NES = 1.42, Nom. p-val = 0.0724, FWER = 0.932, and FDR = 0.182.

ES = 0.374 NES = 1.42 Nom. p-val = 0.0724 FWER = 0.932 FDR = 0.182

clus2

NON.clus2

CEB1
LEP1
PDGFRA
CONE2
EP2F
PIK3CG
PDGFRB
CREB1
CREB3
PIK3RS
CCNE1
PI3A
SRD5A2
NSRR
TCF7
EGFR
TCF7L1
PDGFRB
NFK3-1
PIK3CO
PIK3R1
CCND1
EP2F
EP3
HSP90B1
CORG
NRAS
PTEN
MDM2
CREB1
CREB2
CREB3
CDKN1B
SOS1
PIK3CA
TOS
PIK3R3
ATPC
MAPK1
MRE5A
RELA
EGFR
AKT2
TCF12
FOXO1
MAPK3
EP300
CTNFB1
GRB2
CREB3L4
PDGFA
NFKG
IKKCB
CREBBP
MAP2K2
IKKBA
AKT1
RAD
CASP9
RPS
PDGFD
CDKN1A
ARAF
MTOR
CREB5
CREB3
PIK3R2
PDGFC
NRAS
GSK3B
GPR2
GSTP1
BRAF
CHUK
AKT7
HSP90A1
RGS
IGF1R
BCL
EGF
ERBB2
PIK2