**Gene Set 117 : KEGG_MTOR_SIGNALING_PATHWAY**

Running Enrichment Score (RES)

Zero crossing at 8853

Peak at 13631

"clus1"

"NON.clus1"

Gene List Index
Number of genes: 18748 (in list), 49 (in gene set)
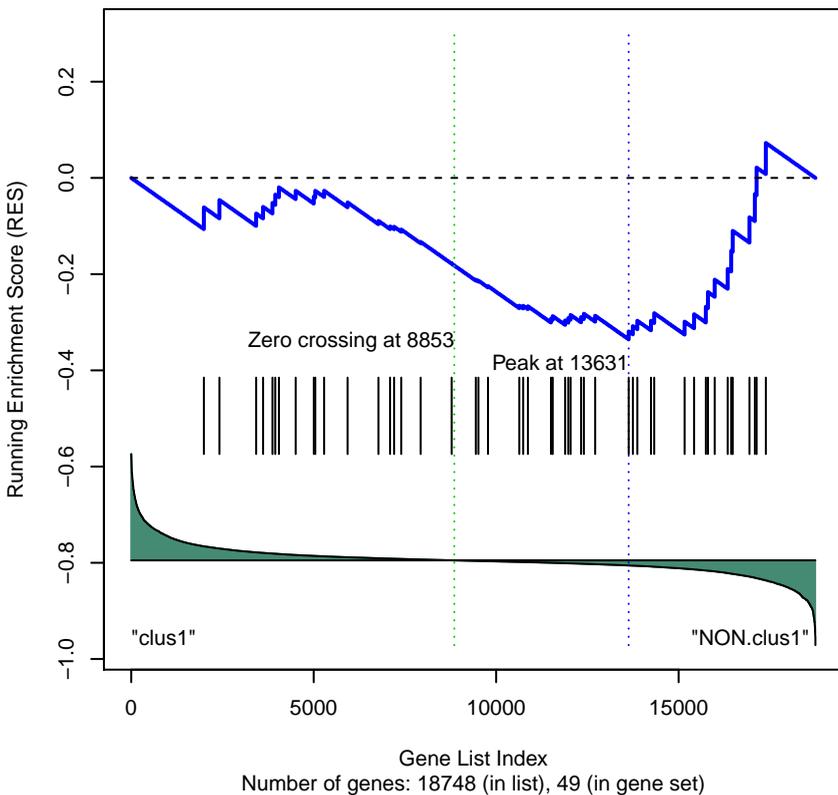
**Gene Set Null Distribution**

P(ES)

— Gene Set Null Density
— Observed Gene Set ES value

Neg. ES "NON.clus1"

Pos. ES: "clus1"

ES

ES = −0.336  NES = −1.27 Nom. p−val= 0.223 FWER= 0.994 FDR= 0.926
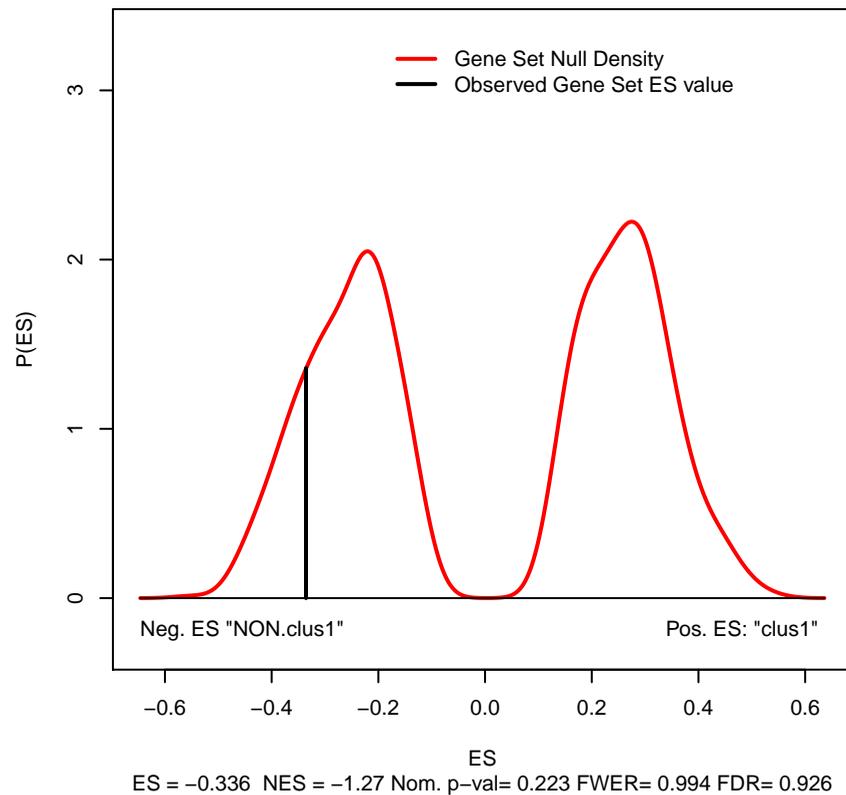
**Heat Map for Genes in Gene Set**

clus1          NON.clus1

Class
PIK3CG
RPS6KA2
RPS6KA3
PIK3R3
CAB39L
VEGFA
MAPK3
PIK3R5
RPS6KA1
PRKAA1
PIK3CB
EIF4E2
PDPK1
CAB39
MTOR
TSC1
RPS6
PIK3R1
EIF4B
ULK3
AKT1
MLST8
RPS6KB1
RPTOR
STK11
TSC2
RPS6KB2
EIF4E
MAPK1
RICTOR
AKT2
RHEB
PIK3R2
STRADA
BRAF
HIF1A
DDIT4
VEGFB
EIF4EBP1
PIK3CA
IGF1
ULK1
FIGF
PRKAA2
AKT3
ULK2
VEGFC
PIK3CD
RPS6KA6