Gene Set 144 : KEGG_LONG_TERM_POTENTIATION

Running Enrichment Score (RES)

Zero crossing at 7545

Peak at 14220

"clus4"

"NON.clus4"

Gene List Index
Number of genes: 18170 (in list), 65 (in gene set)
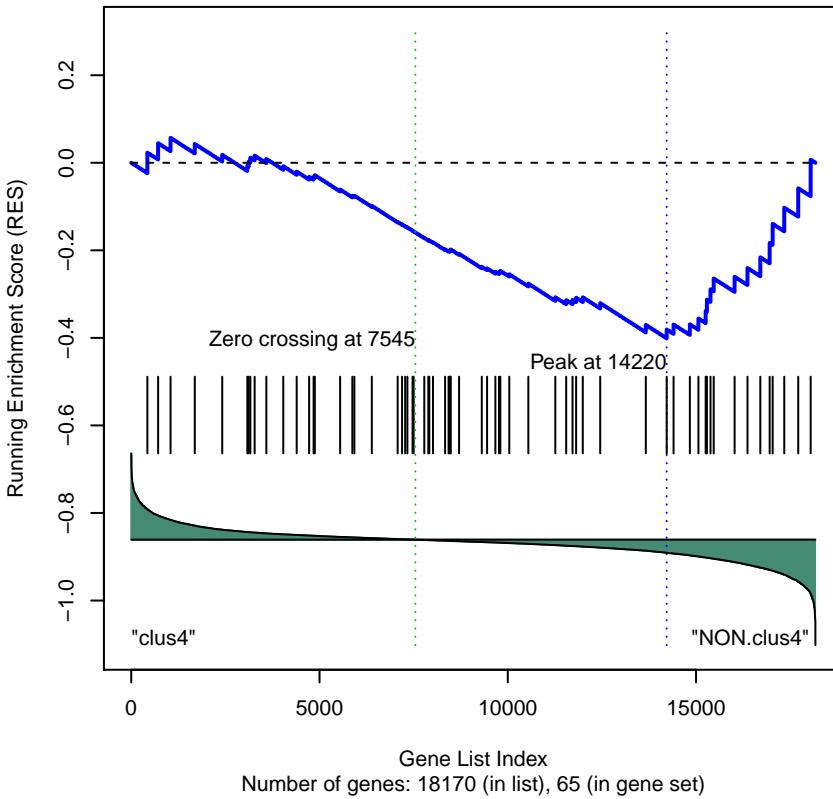
Gene Set Null Distribution

P(ES)

Gene Set Null Density
Observed Gene Set ES value

Neg. ES "NON.clus4"

Pos. ES: "clus4"

ES

ES = −0.401 NES = −1.39 Nom. p−val= 0.0722 FWER= 0.972 FDR= 0.493
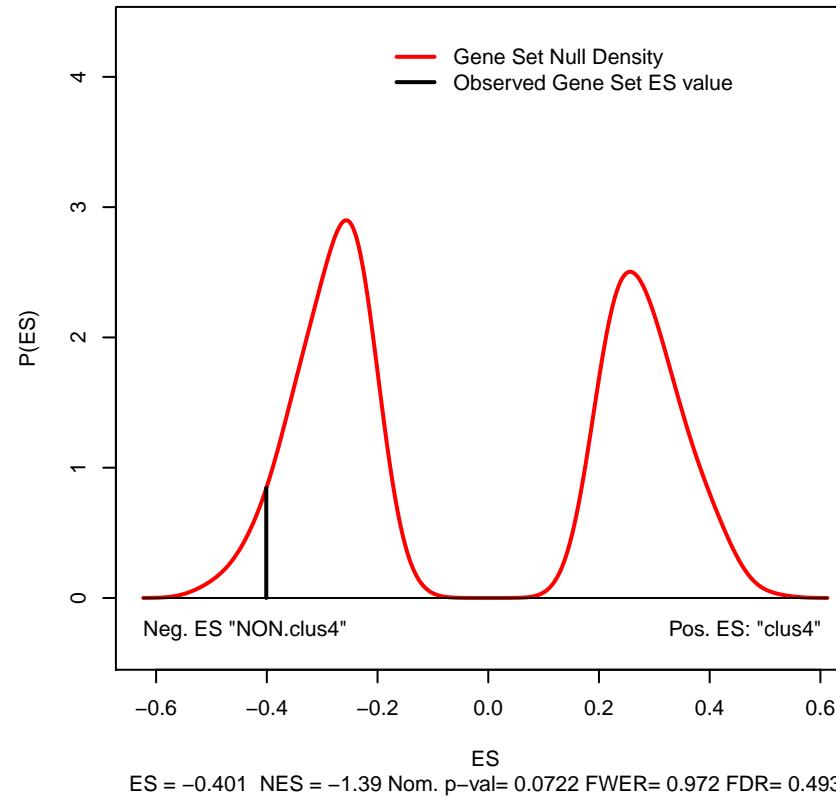
Heat Map for Genes in Gene Set

clus4   NON.clus4

CAMK2A
GRM5
ITPR2
HRAS
MAP2K1
PLCB3
RAPGEF3
CAMK4
ITPR3
GRIN2D
RPS6KA1
PPP3CA
PPP1CA
PPP3CC
CAMK2G
CALM3
RAP1B
ATF4
GNAQ
RPS6KA2
NRAS
RAP1A
PRKCA
CALM1
CHP
MAPK3
CALML3
PPP1CC
CHP2
MAPK1
PRKACA
PPP3CB
CALM2
MAP2K2
ARAF
PPP3R1
PPP1R12A
CREBBP
PRKCG
CAMK2B
PLCB2
RAF1
KRAS
RPS6KA3
GRIN1
PPP1CB
EP300
PRKCB
PRKACB
BRAF
RPS6KA6
ITPR1
GRIN2A
CAMK2D
CALML6
GRIA1
GRM1
PPP1R1A
PRKX
CALML5
GRIA2
PLCB1
CACNA1C
GRIN2C
PLCB4