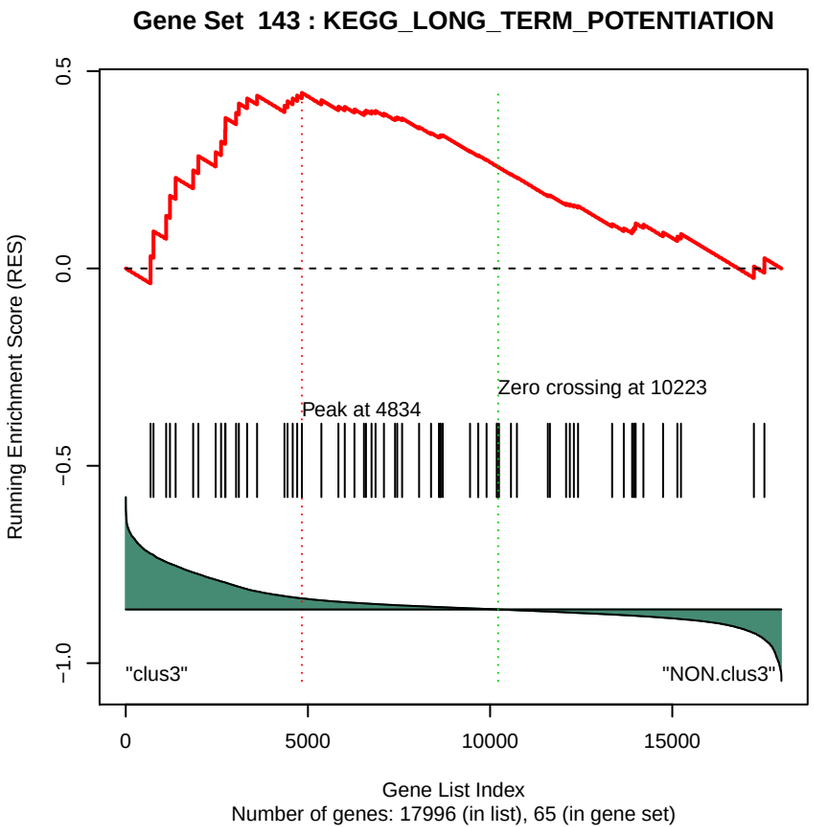
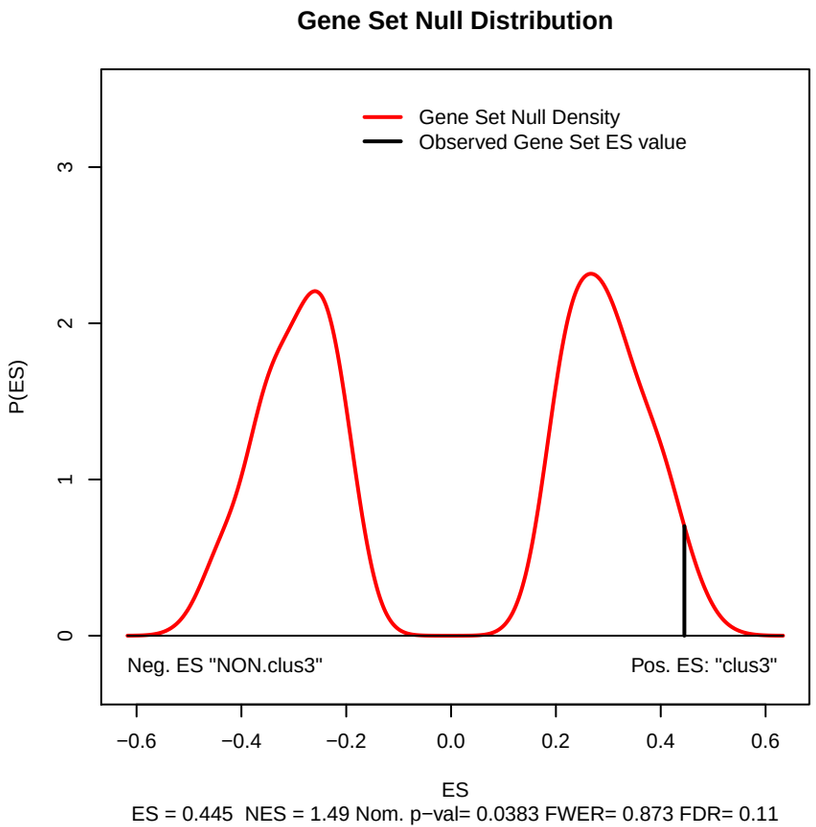
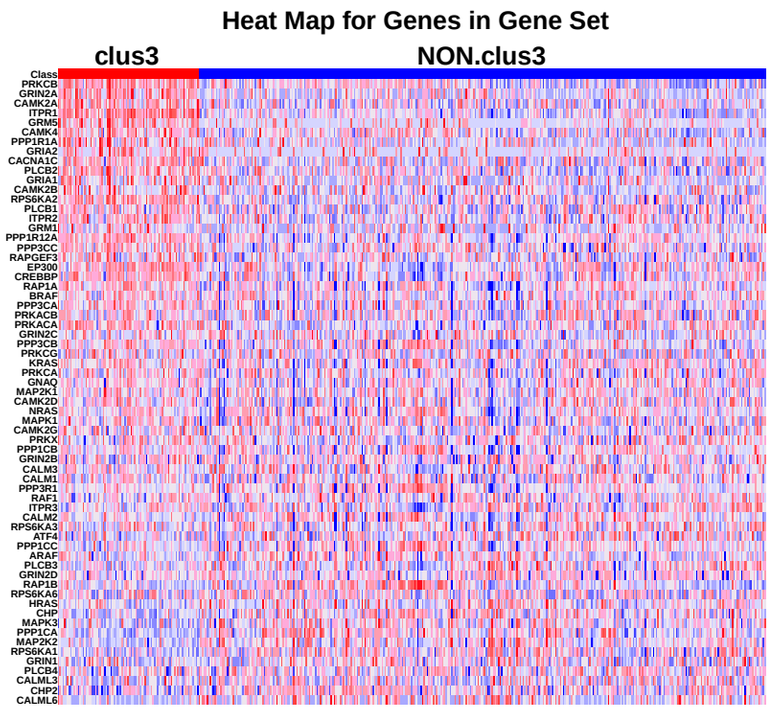

Gene Set 143 : KEGG_LONG_TERM_POTENTIATION
Running Enrichment Score (RES)
0.5
0.0
−0.5
−1.0
Peak at 4834
Zero crossing at 10223
"clus3"
"NON.clus3"
0
5000
10000
15000
Gene List Index
Number of genes: 17996 (in list), 65 (in gene set)


Gene Set Null Distribution
Gene Set Null Density
Observed Gene Set ES value
P(ES)
0
1
2
3
Neg. ES "NON.clus3"
Pos. ES: "clus3"
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
ES
ES = 0.445 NES = 1.49 Nom. p−val= 0.0383 FWER= 0.873 FDR= 0.11


Heat Map for Genes in Gene Set
clus3
NON.clus3
Class
PRKCB
GRIN2A
CAMK2A
ITPR1
GRM5
CAMK4
PPP1R1A
GRIA2
CACNA1C
PLCB2
GRIA1
CAMK2B
RPS6KA2
PLCB1
ITPR2
GRM1
PPP1R12A
PPP3CC
RAPGEF3
EP300
CREBBP
RAP1A
BRAF
PPP3CA
PRKACB
PRKACA
GRIN2C
PPP3CB
PRKCG
KRAS
PRKCA
GNAQ
MAP2K1
CAMK2D
NRAS
MAPK1
CAMK2G
PRKX
PPP1CB
GRIN2B
CALM3
CALM1
PPP3R1
RAF1
ITPR3
CALM2
RPS6KA3
ATF4
PPP1CC
ARAF
PLCB3
GRIN2D
RAP1B
RPS6KA6
HRAS
CHP
MAPK3
PPP1CA
MAP2K2
RPS6KA1
GRIN1
PLCB4
CALML3
CHP2
CALML6