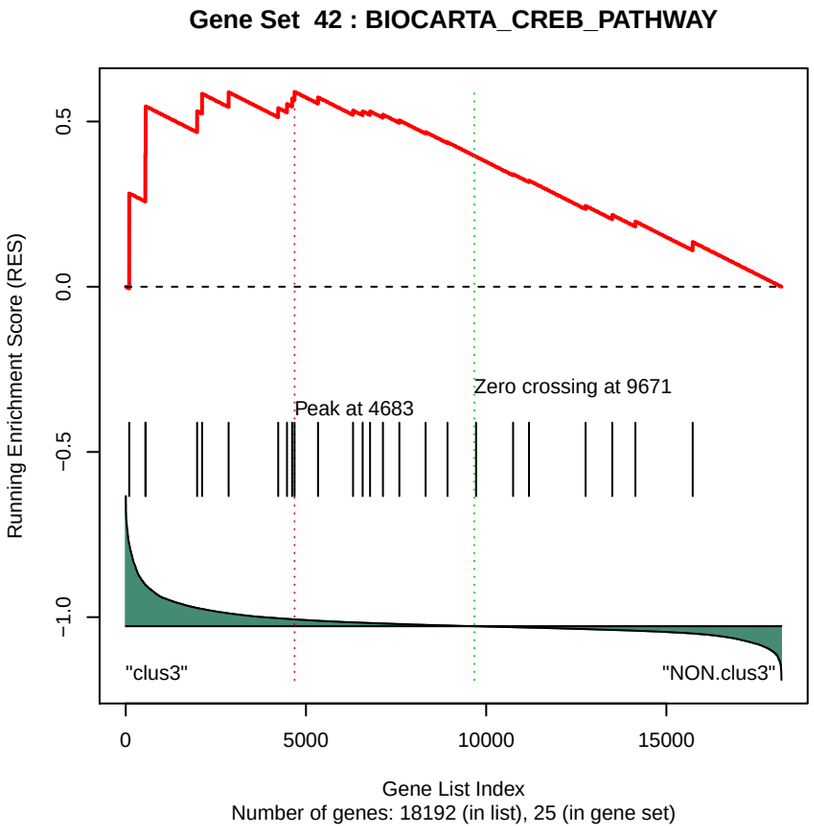
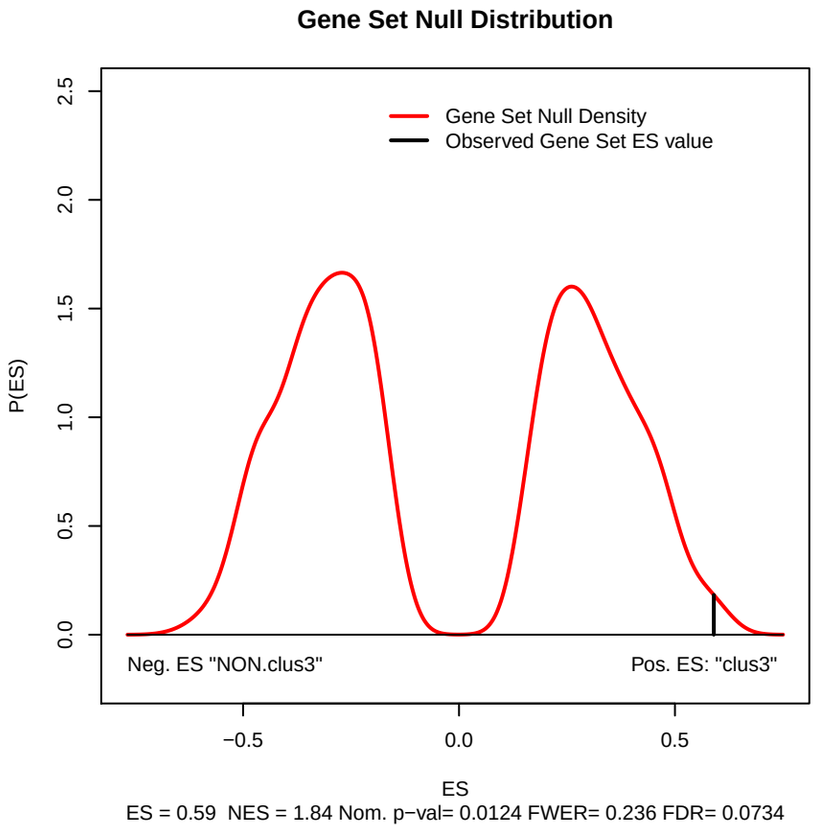
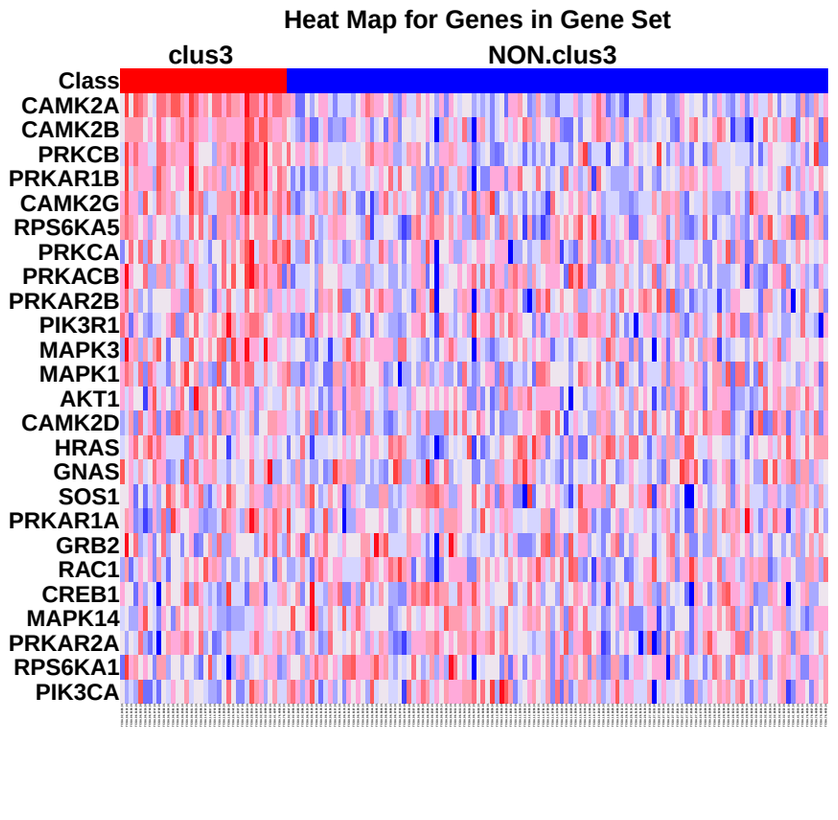

Gene Set 42 : BIOCARTA_CREB_PATHWAY
Running Enrichment Score (RES)
0.5
0.0
−0.5
−1.0
Peak at 4683
Zero crossing at 9671
"clus3"
"NON.clus3"
0
5000
10000
15000
Gene List Index
Number of genes: 18192 (in list), 25 (in gene set)


Gene Set Null Distribution
Gene Set Null Density
Observed Gene Set ES value
P(ES)
2.5
2.0
1.5
1.0
0.5
0.0
Neg. ES "NON.clus3"
Pos. ES: "clus3"
−0.5
0.0
0.5
ES
ES = 0.59 NES = 1.84 Nom. p−val= 0.0124 FWER= 0.236 FDR= 0.0734


Heat Map for Genes in Gene Set
clus3
NON.clus3
Class
CAMK2A
CAMK2B
PRKCB
PRKAR1B
CAMK2G
RPS6KA5
PRKCA
PRKACB
PRKAR2B
PIK3R1
MAPK3
MAPK1
AKT1
CAMK2D
HRAS
GNAS
SOS1
PRKAR1A
GRB2
RAC1
CREB1
MAPK14
PRKAR2A
RPS6KA1
PIK3CA