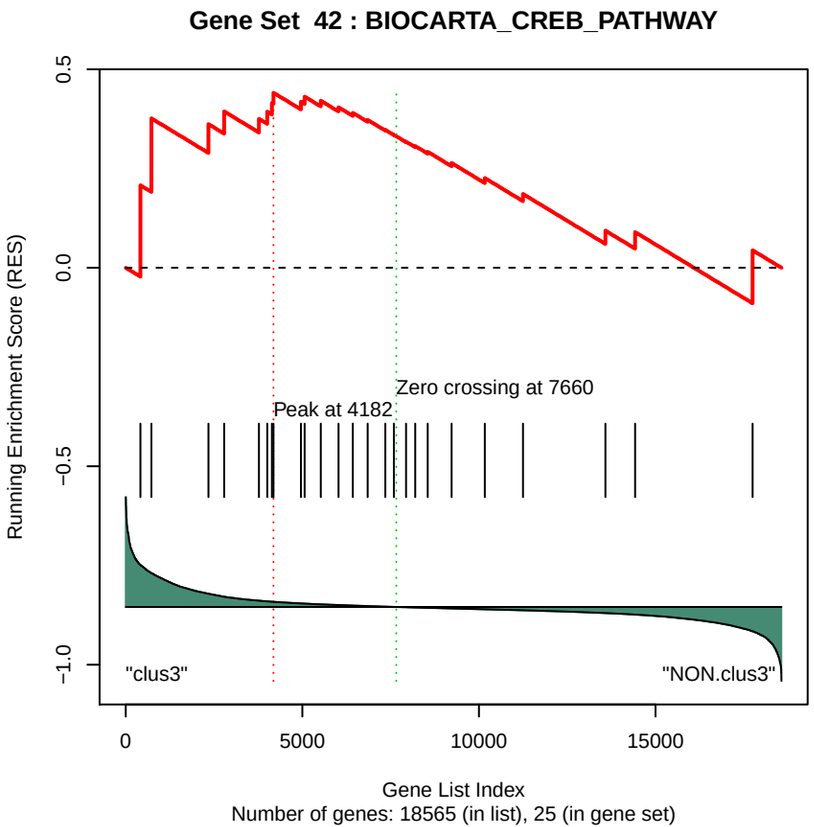
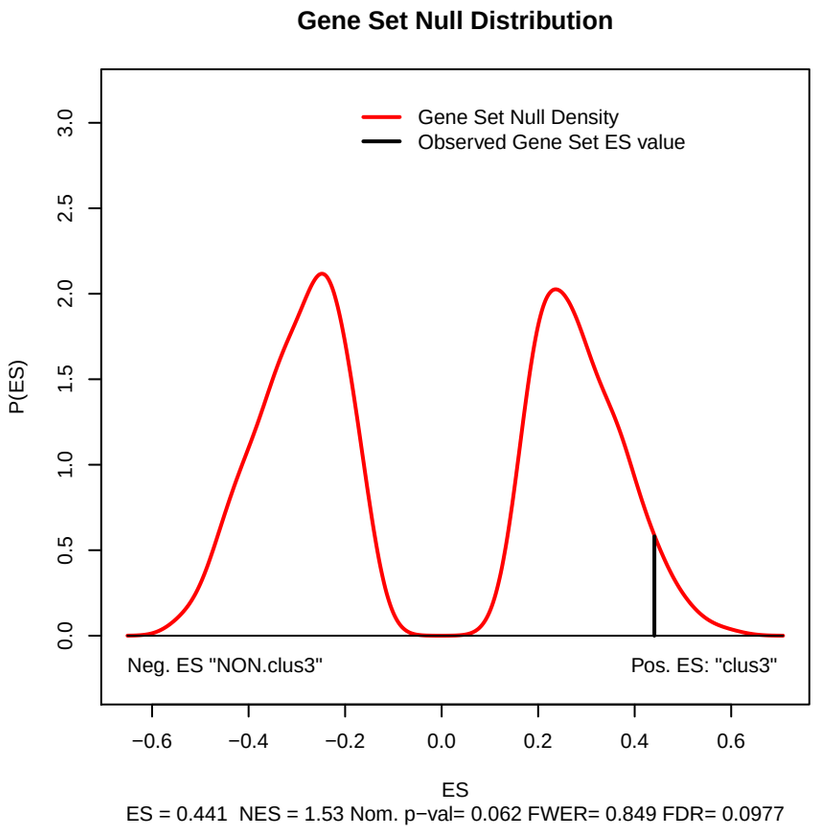
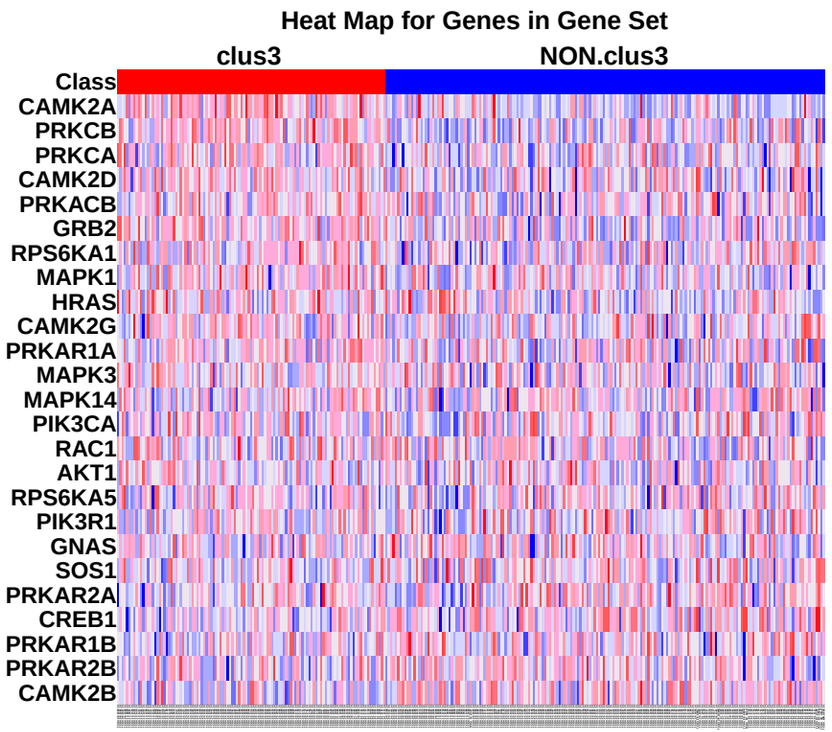

Gene Set 42 : BIOCARTA_CREB_PATHWAY
Running Enrichment Score (RES)
0.5
0.0
−0.5
−1.0
Zero crossing at 7660
Peak at 4182
"clus3"
"NON.clus3"
0
5000
10000
15000
Gene List Index
Number of genes: 18565 (in list), 25 (in gene set)


Gene Set Null Distribution
Gene Set Null Density
Observed Gene Set ES value
P(ES)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Neg. ES "NON.clus3"
Pos. ES: "clus3"
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
ES
ES = 0.441 NES = 1.53 Nom. p−val= 0.062 FWER= 0.849 FDR= 0.0977


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