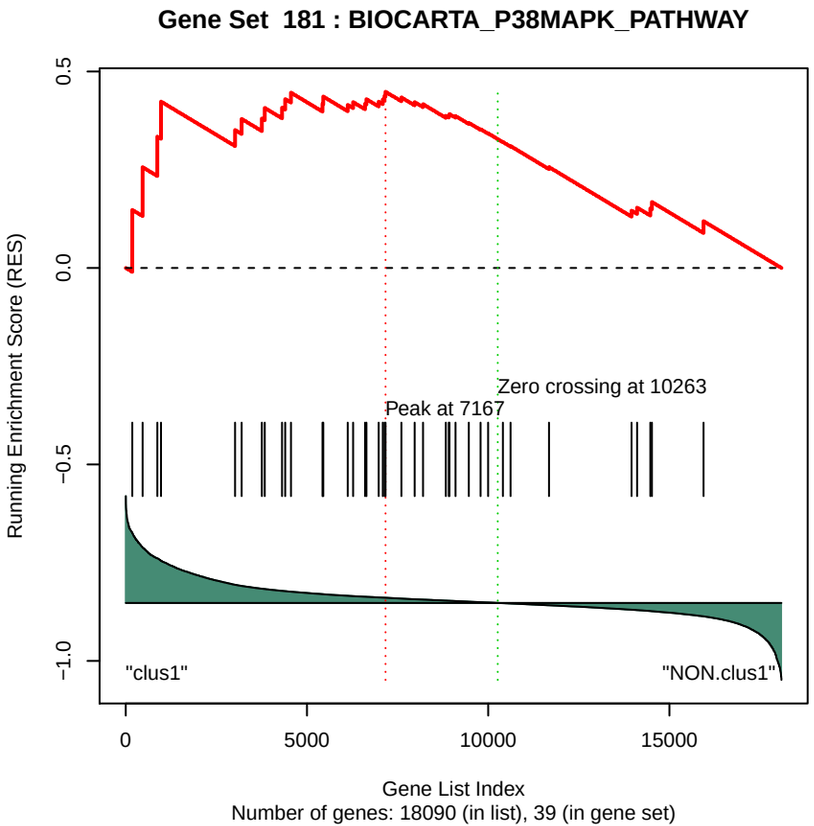
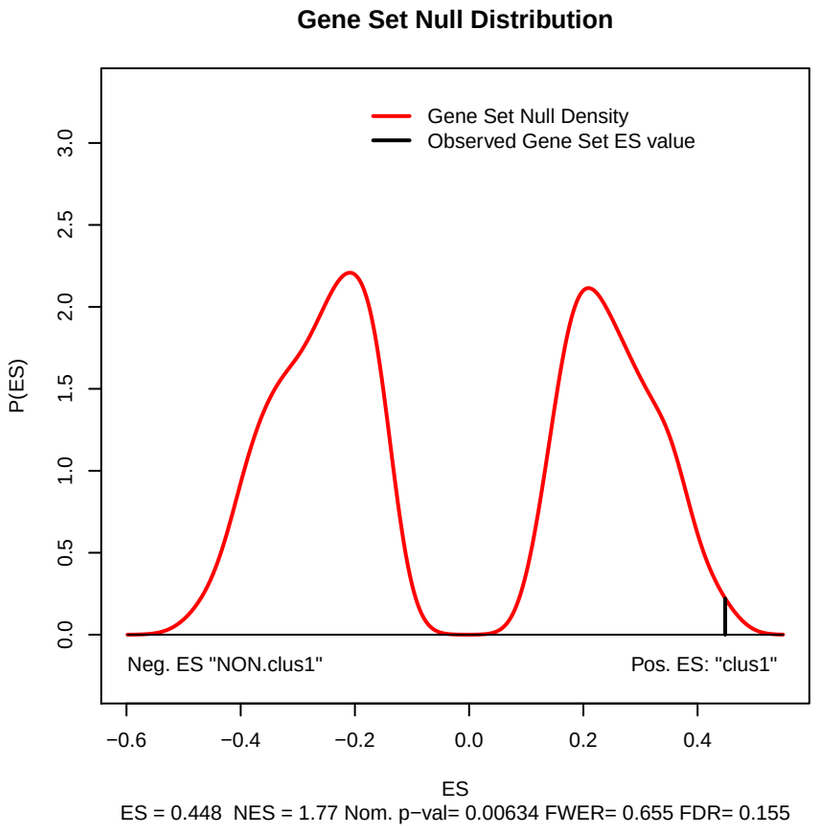
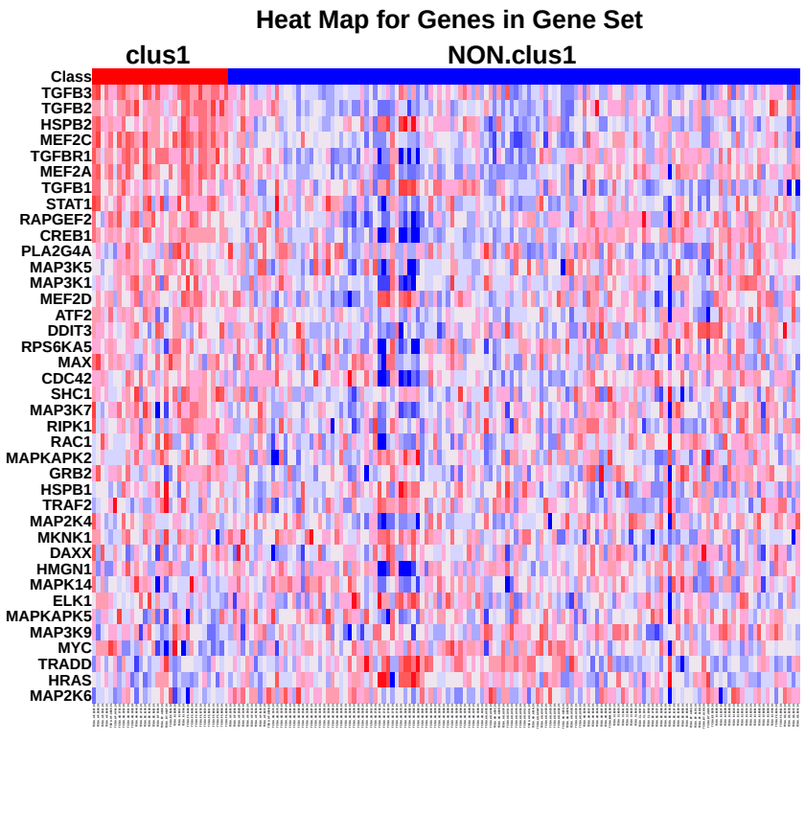

Gene Set 181 : BIOCARTA_P38MAPK_PATHWAY
Running Enrichment Score (RES)
0.5
0.0
−0.5
−1.0
Zero crossing at 10263
Peak at 7167
"clus1"
"NON.clus1"
0
5000
10000
15000
Gene List Index
Number of genes: 18090 (in list), 39 (in gene set)


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.clus1"
Pos. ES: "clus1"
−0.6
−0.4
−0.2
0.0
0.2
0.4
ES
ES = 0.448 NES = 1.77 Nom. p−val= 0.00634 FWER= 0.655 FDR= 0.155


Heat Map for Genes in Gene Set
clus1
NON.clus1
Class
TGFB3
TGFB2
HSPB2
MEF2C
TGFBR1
MEF2A
TGFB1
STAT1
RAPGEF2
CREB1
PLA2G4A
MAP3K5
MAP3K1
MEF2D
ATF2
DDIT3
RPS6KA5
MAX
CDC42
SHC1
MAP3K7
RIPK1
RAC1
MAPKAPK2
GRB2
HSPB1
TRAF2
MAP2K4
MKNK1
DAXX
HMGN1
MAPK14
ELK1
MAPKAPK5
MAP3K9
MYC
TRADD
HRAS
MAP2K6