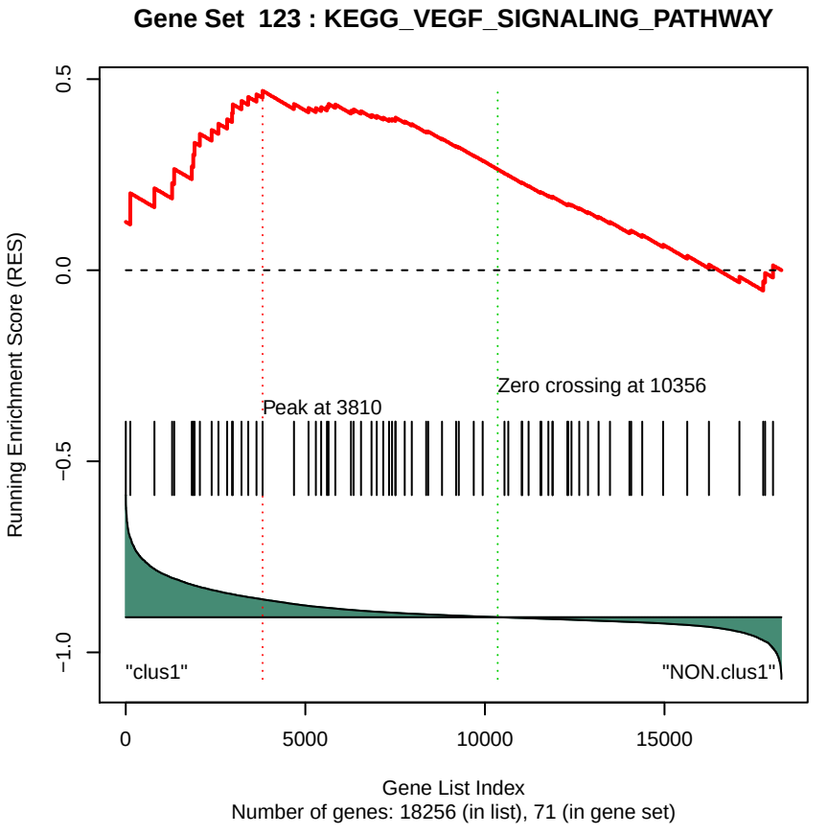
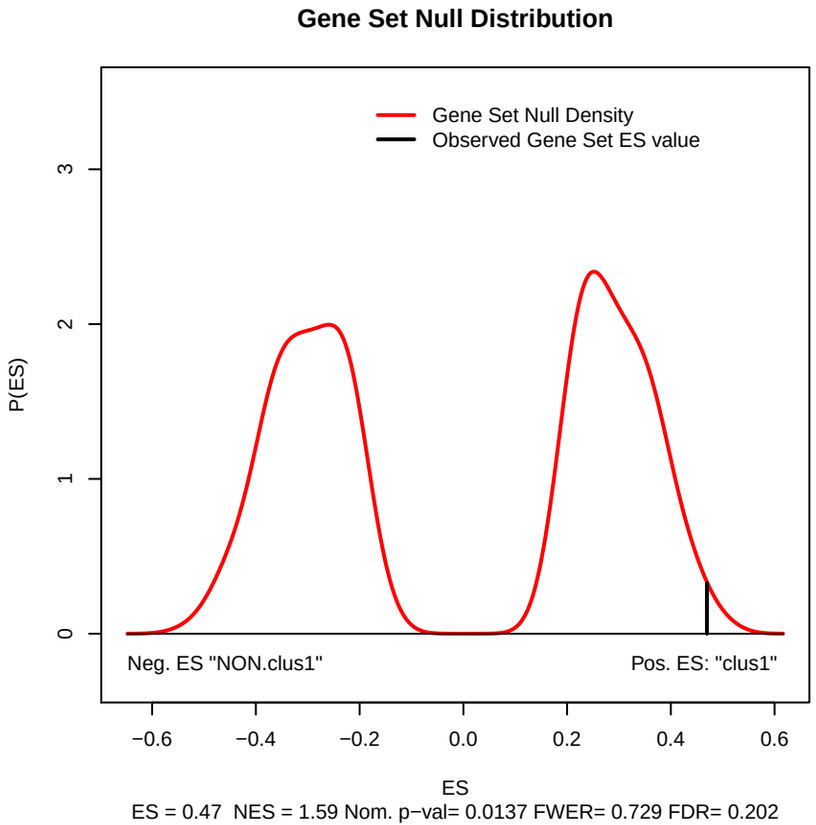
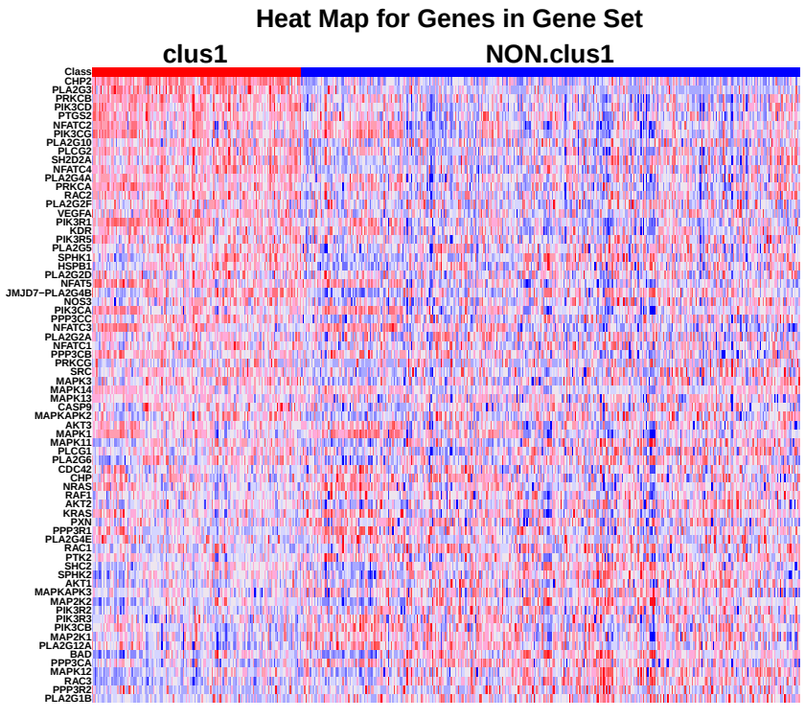

Gene Set 123 : KEGG_VEGF_SIGNALING_PATHWAY
Running Enrichment Score (RES)
0.5
0.0
−0.5
−1.0
Peak at 3810
Zero crossing at 10356
"clus1"
"NON.clus1"
0
5000
10000
15000
Gene List Index
Number of genes: 18256 (in list), 71 (in gene set)


Gene Set Null Distribution
Gene Set Null Density
Observed Gene Set ES value
P(ES)
0
1
2
3
Neg. ES "NON.clus1"
Pos. ES: "clus1"
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
ES
ES = 0.47 NES = 1.59 Nom. p−val= 0.0137 FWER= 0.729 FDR= 0.202


Heat Map for Genes in Gene Set
clus1
NON.clus1
Class
CHP2
PLA2G3
PRKCB
PIK3CD
PTGS2
NFATC2
PIK3CG
PLA2G10
PLCG2
SH2D2A
NFATC4
PLA2G4A
PRKCA
RAC2
PLA2G2F
VEGFA
PIK3R1
KDR
PIK3R5
PLA2G5
SPHK1
HSPB1
PLA2G2D
NFAT5
JMJD7−PLA2G4B
NOS3
PIK3CA
PPP3CC
NFATC3
PLA2G2A
NFATC1
PPP3CB
PRKCG
SRC
MAPK3
MAPK14
MAPK13
CASP9
MAPKAPK2
AKT3
MAPK1
MAPK11
PLCG1
PLA2G6
CDC42
CHP
NRAS
RAF1
AKT2
KRAS
PXN
PPP3R1
PLA2G4E
RAC1
PTK2
SHC2
SPHK2
AKT1
MAPKAPK3
MAP2K2
PIK3R2
PIK3R3
PIK3CB
MAP2K1
PLA2G12A
BAD
PPP3CA
MAPK12
RAC3
PPP3R2
PLA2G1B