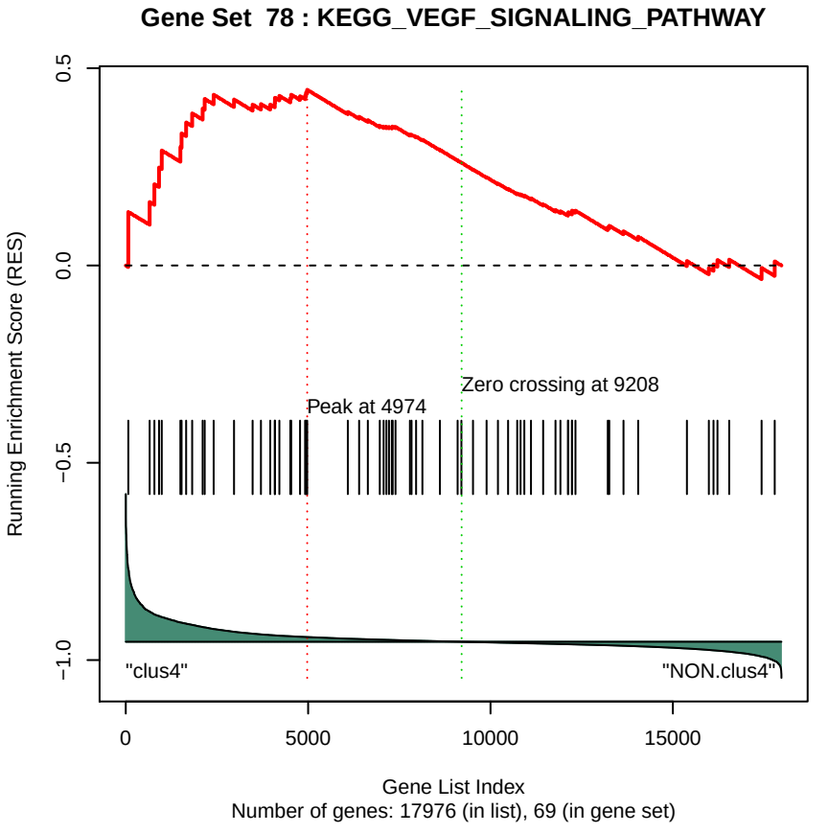
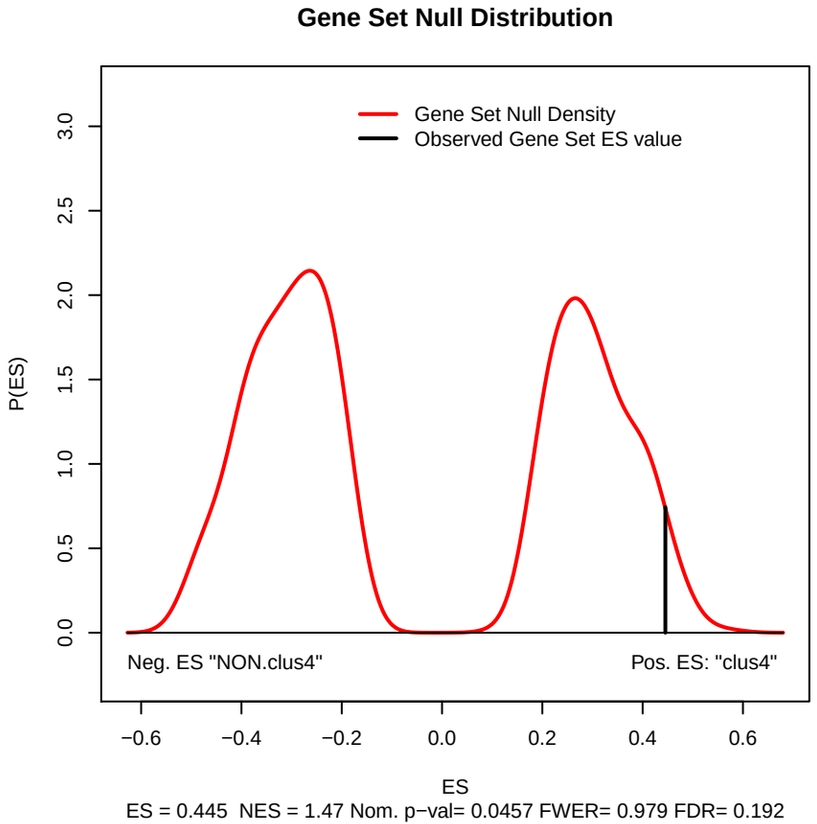
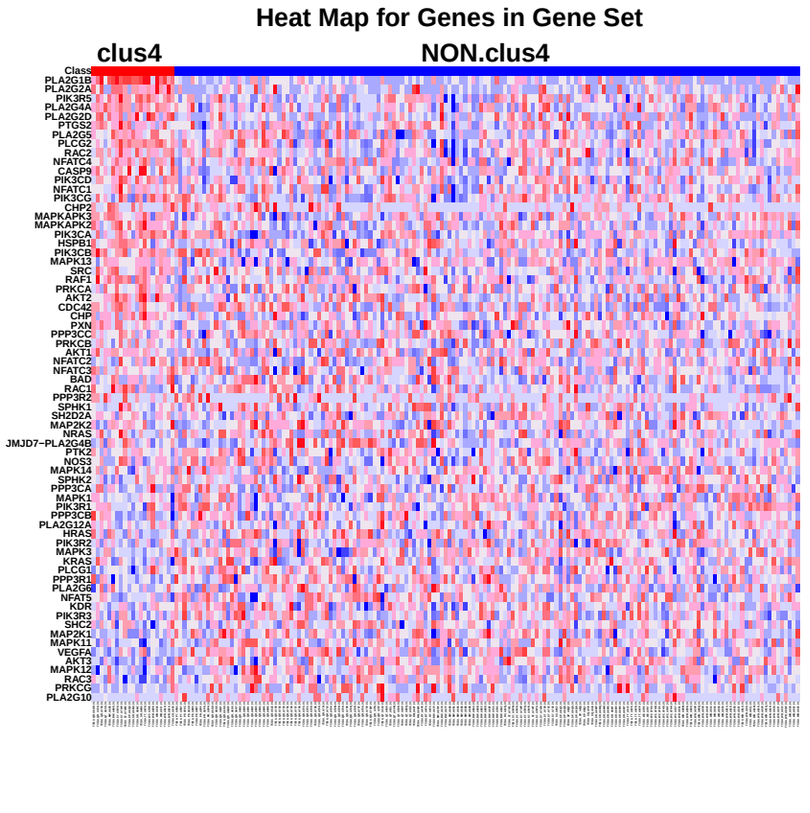

Gene Set 78 : KEGG_VEGF_SIGNALING_PATHWAY
Running Enrichment Score (RES)
0.5
0.0
−0.5
−1.0
Peak at 4974
Zero crossing at 9208
"clus4"
"NON.clus4"
0
5000
10000
15000
Gene List Index
Number of genes: 17976 (in list), 69 (in gene set)


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.clus4"
Pos. ES: "clus4"
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
ES
ES = 0.445 NES = 1.47 Nom. p−val= 0.0457 FWER= 0.979 FDR= 0.192


Heat Map for Genes in Gene Set
clus4
NON.clus4
Class
PLA2G1B
PLA2G2A
PIK3R5
PLA2G4A
PLA2G2D
PTGS2
PLA2G5
PLCG2
RAC2
NFATC4
CASP9
PIK3CD
NFATC1
PIK3CG
CHP2
MAPKAPK3
MAPKAPK2
PIK3CA
HSPB1
PIK3CB
MAPK13
SRC
RAF1
PRKCA
AKT2
CDC42
CHP
PXN
PPP3CC
PRKCB
AKT1
NFATC2
NFATC3
BAD
RAC1
PPP3R2
SPHK1
SH2D2A
MAP2K2
NRAS
JMJD7−PLA2G4B
PTK2
NOS3
MAPK14
SPHK2
PPP3CA
MAPK1
PIK3R1
PPP3CB
PLA2G12A
HRAS
PIK3R2
MAPK3
KRAS
PLCG1
PPP3R1
PLA2G6
NFAT5
KDR
PIK3R3
SHC2
MAP2K1
MAPK11
VEGFA
AKT3
MAPK12
RAC3
PRKCG
PLA2G10