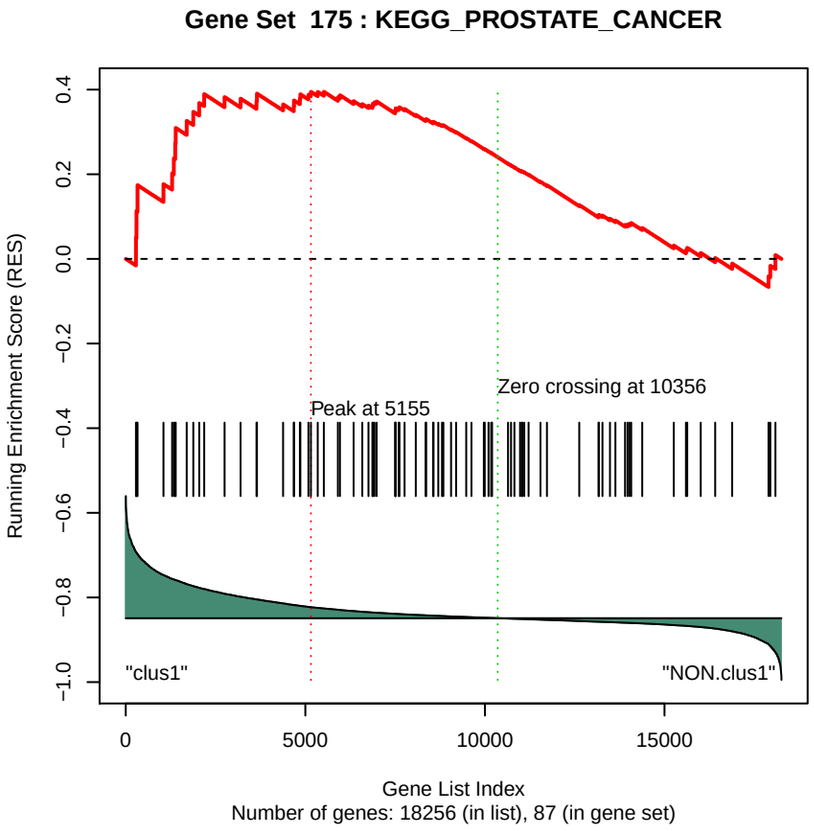
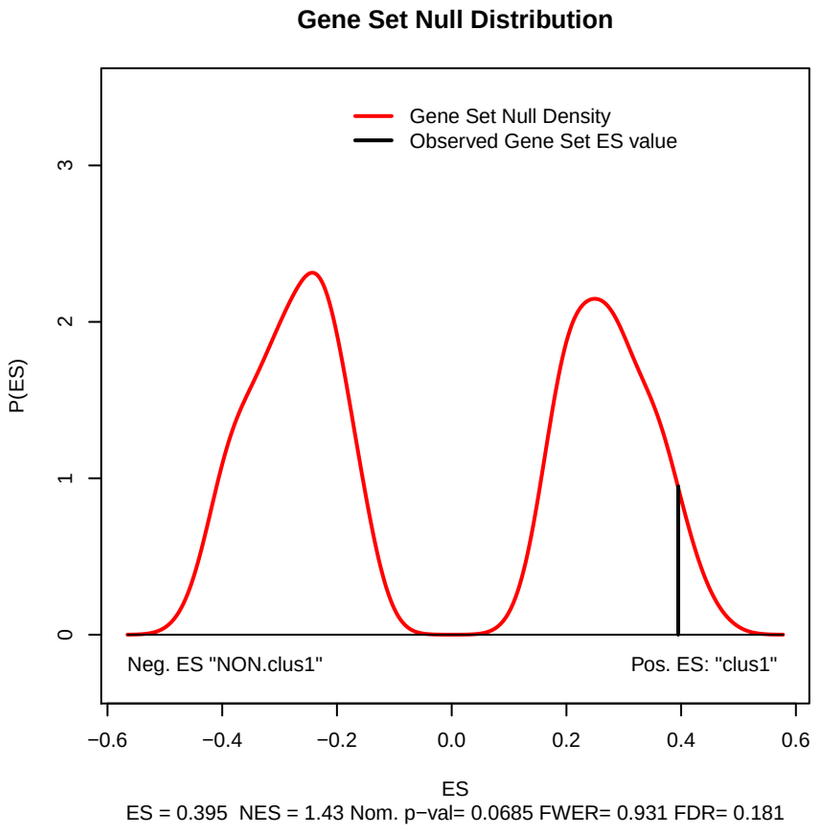
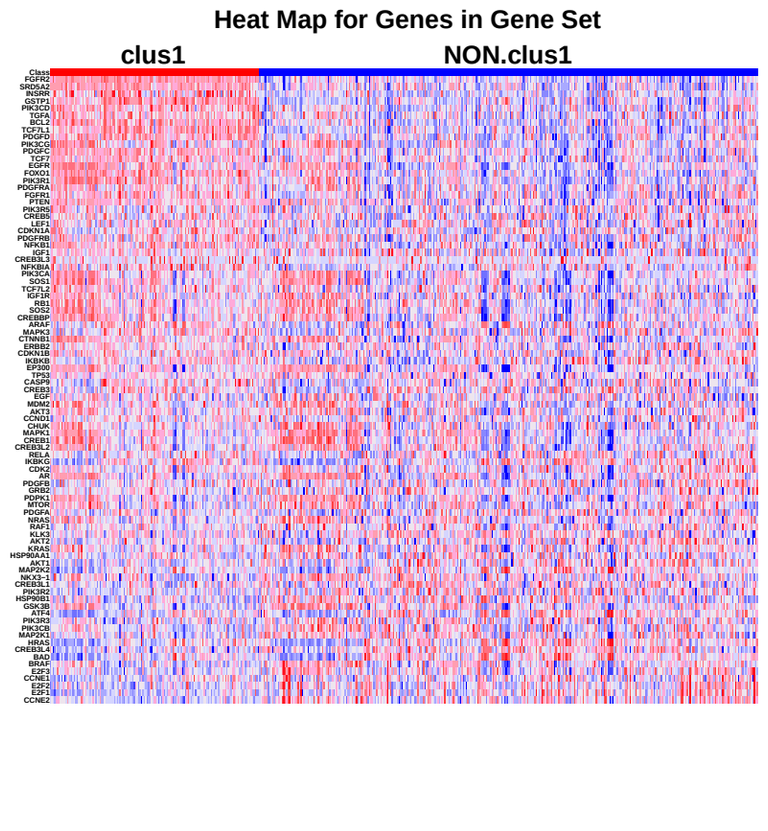

Gene Set 175 : KEGG_PROSTATE_CANCER
Running Enrichment Score (RES)
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
Peak at 5155
Zero crossing at 10356
"clus1"
"NON.clus1"
0
5000
10000
15000
Gene List Index
Number of genes: 18256 (in list), 87 (in gene set)


Gene Set Null Distribution
Gene Set Null Density
Observed Gene Set ES value
P(ES)
3
2
1
0
Neg. ES "NON.clus1"
Pos. ES: "clus1"
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
ES
ES = 0.395 NES = 1.43 Nom. p−val= 0.0685 FWER= 0.931 FDR= 0.181


Heat Map for Genes in Gene Set
clus1
NON.clus1
Class
FGFR2
SRD5A2
INSRR
GSTP1
PIK3CD
TGFA
BCL2
TCF7L1
PDGFD
PIK3CG
PDGFC
TCF7
EGFR
FOXO1
PIK3R1
PDGFRA
FGFR1
PTEN
PIK3R5
CREB5
LEF1
CDKN1A
PDGFRB
NFKB1
IGF1
CREB3L3
NFKBIA
PIK3CA
SOS1
TCF7L2
IGF1R
RB1
SOS2
CREBBP
ARAF
MAPK3
CTNNB1
ERBB2
CDKN1B
IKBKB
EP300
TP53
CASP9
CREB3
EGF
MDM2
AKT3
CCND1
CHUK
MAPK1
CREB1
CREB3L2
RELA
IKBKG
CDK2
AR
PDGFB
CREB5
PDPK1
MTOR
PDGFA
NRAS
RAF1
KLK3
AKT2
KRAS
HSP90AA1
AKT1
MAP2K2
NKX3−1
CREB3L1
PIK3R2
HSP90B1
GSK3B
ATF4
PIK3R3
PIK3CB
MAP2K1
HRAS
CREB3L4
BAD
BRAF
E2F3
CCNE1
E2F2
E2F1
CCNE2