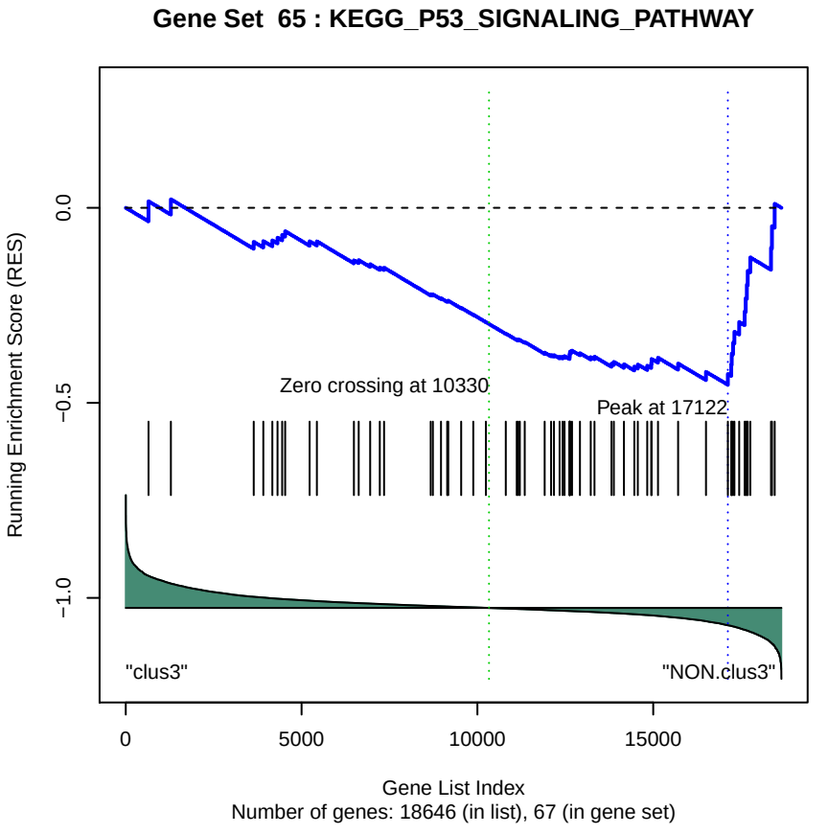
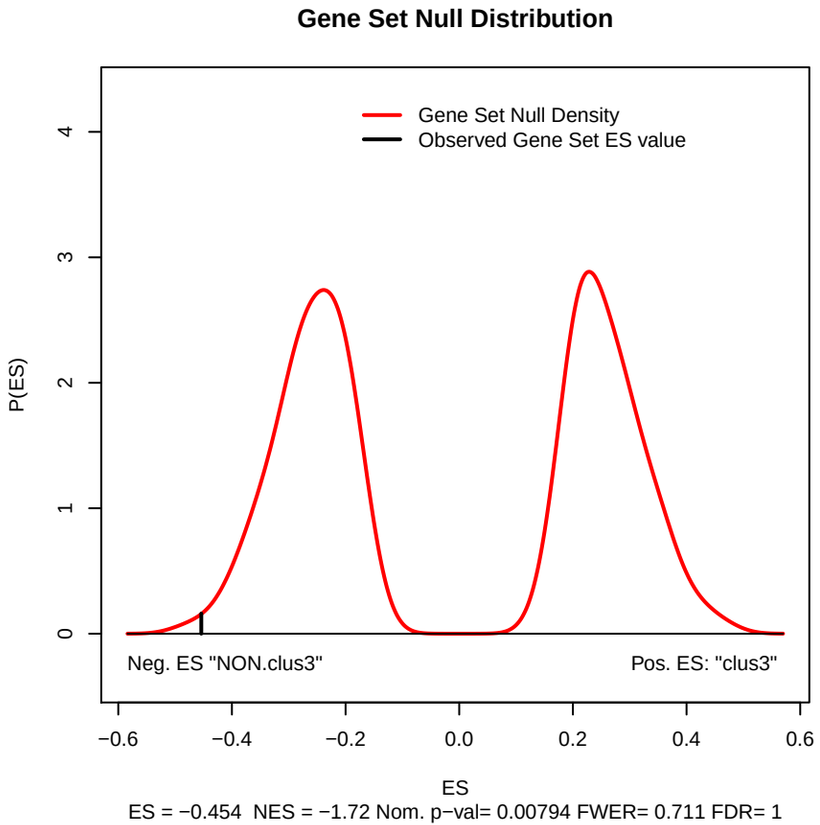
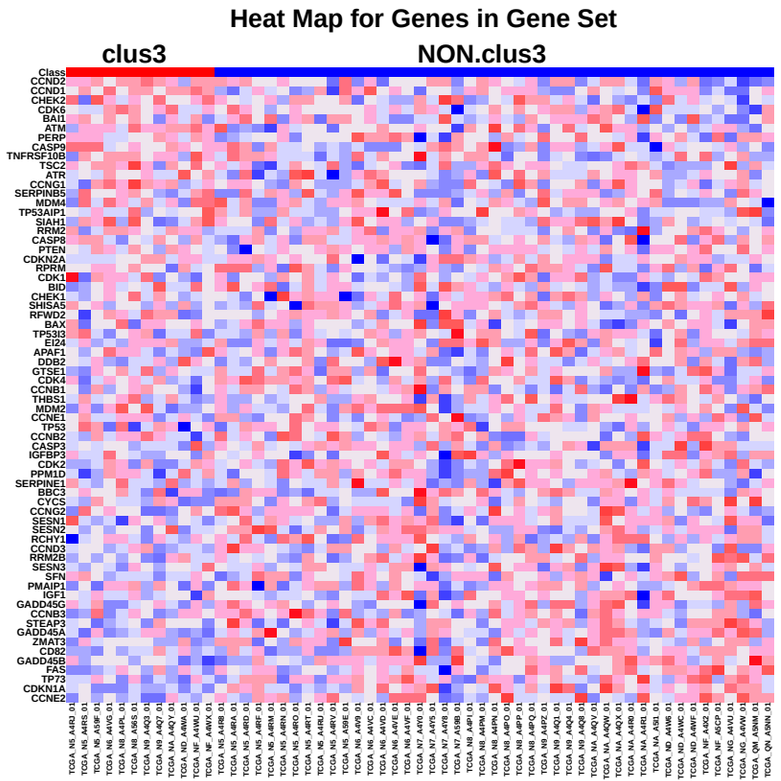

Gene Set 65 : KEGG_P53_SIGNALING_PATHWAY
Running Enrichment Score (RES)
0.0
−0.5
−1.0
Zero crossing at 10330
Peak at 17122
"clus3"
"NON.clus3"
0
5000
10000
15000
Gene List Index
Number of genes: 18646 (in list), 67 (in gene set)


Gene Set Null Distribution
Gene Set Null Density
Observed Gene Set ES value
P(ES)
0
1
2
3
4
Neg. ES "NON.clus3"
Pos. ES: "clus3"
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
ES
ES = −0.454 NES = −1.72 Nom. p−val= 0.00794 FWER= 0.711 FDR= 1


Heat Map for Genes in Gene Set
clus3
NON.clus3
Class
CCND2
CCND1
CHEK2
CDK6
BAI1
ATM
PERP
CASP9
TNFRSF10B
TSC2
ATR
CCNG1
SERPINB5
MDM4
TP53AIP1
SIAH1
RRM2
CASP8
PTEN
CDKN2A
RPRM
CDK1
BID
CHEK1
SHISA5
RFWD2
BAX
TP53I3
EI24
APAF1
DDB2
GTSE1
CDK4
CCNB1
THBS1
MDM2
CCNE1
TP53
CCNB2
CASP3
IGFBP3
CDK2
PPM1D
SERPINE1
BBC3
CYCS
CCNG2
SESN1
SESN2
RCHY1
CCND3
RRM2B
SESN3
SFN
PMAIP1
IGF1
GADD45G
CCNB3
STEAP3
GADD45A
ZMAT3
CD82
GADD45B
FAS
TP73
CDKN1A
CCNE2