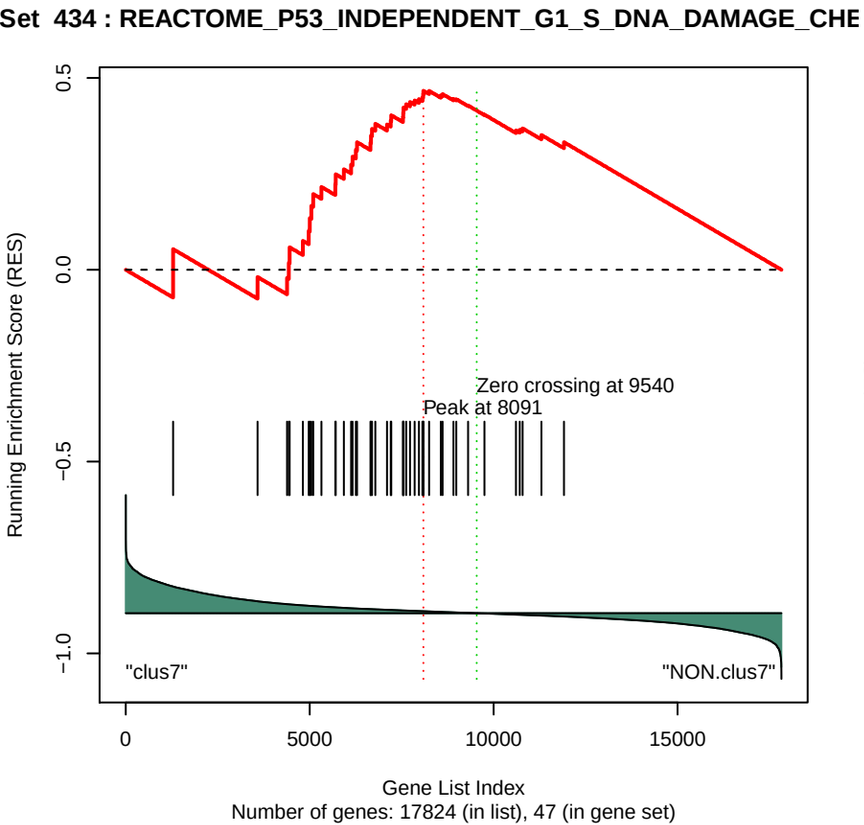
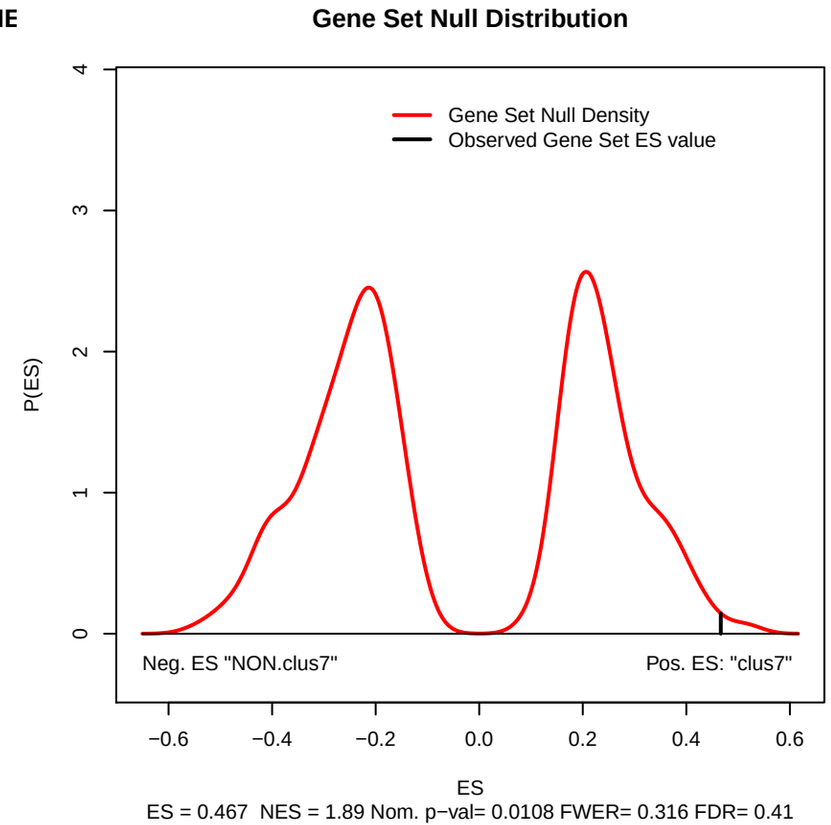
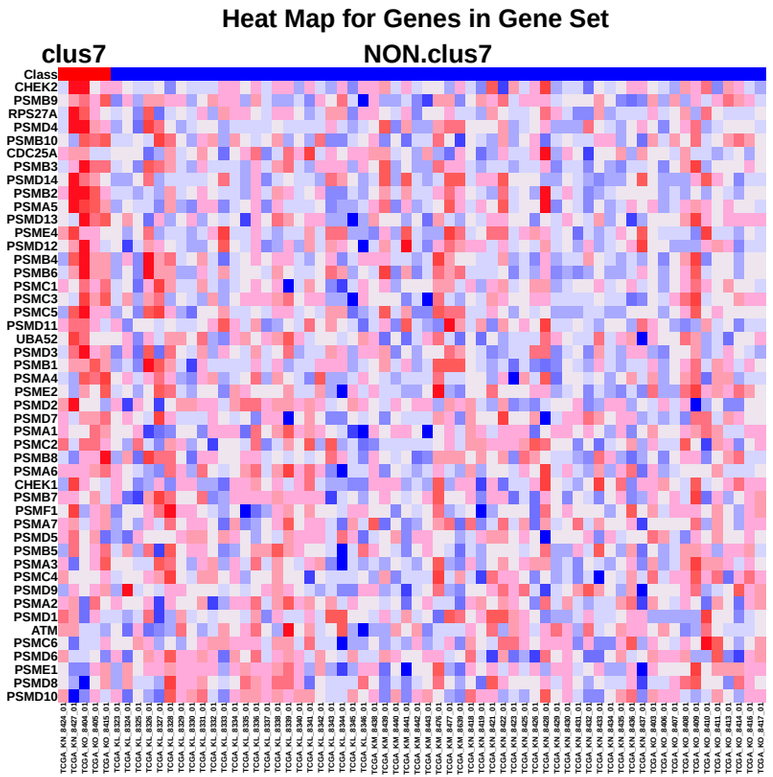

Set 434 : REACTOME_P53_INDEPENDENT_G1_S_DNA_DAMAGE_CHE
Running Enrichment Score (RES)
0.5
0.0
−0.5
−1.0
Zero crossing at 9540
Peak at 8091
"clus7"
"NON.clus7"
0
5000
10000
15000
Gene List Index
Number of genes: 17824 (in list), 47 (in gene set)


Gene Set Null Distribution
Gene Set Null Density
Observed Gene Set ES value
P(ES)
0
1
2
3
4
Neg. ES "NON.clus7"
Pos. ES: "clus7"
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
ES
ES = 0.467 NES = 1.89 Nom. p−val= 0.0108 FWER= 0.316 FDR= 0.41


Heat Map for Genes in Gene Set
clus7
NON.clus7
Class
CHEK2
PSMB9
RPS27A
PSMD4
PSMB10
CDC25A
PSMB3
PSMD14
PSMB2
PSMA5
PSMD13
PSME4
PSMD12
PSMB4
PSMB6
PSMC1
PSMC3
PSMC5
PSMD11
UBA52
PSMD3
PSMB1
PSMA4
PSME2
PSMD2
PSMD7
PSMA1
PSMC2
PSMB8
PSMA6
CHEK1
PSMB7
PSMF1
PSMA7
PSMD5
PSMB5
PSMA3
PSMC4
PSMD9
PSMA2
PSMD1
ATM
PSMC6
PSMD6
PSME1
PSMD8
PSMD10