

TRUE SAE Diamond Features → DDR_bin Pathway Mapping

9 resistance-elevated features all map to DNA Damage Repair pathway

d=0.64
p=0.015



TP53(28), UBAP2L(1), ENTPD3(1)

d=0.63
p=0.025



TP53(25), MYH1(2), CDH10(1)

d=0.61
p=0.022



TP53(28), ENTPD3(1), ADAP2(1)

d=0.60
p=0.025



TP53(29), RDH5(1)

d=0.57
p=0.032



TP53(29), RDH5(1)

d=0.54
p=0.036



TP53(30)

d=0.54
p=0.041



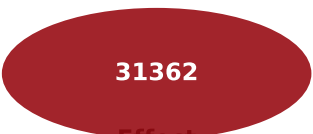
TP53(25), BLMH(1), NPR2(1)

d=0.53
p=0.049

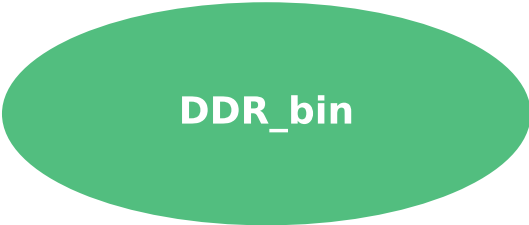


TP53(24), RDH5(1), ENTPD3(1)

d=0.52
p=0.047



TP53(28)



DNA Damage
Repair

Summary Statistics:

- 9 diamond features (higher in resistant)
 - All features map to DDR pathway
 - TP53 dominant: 28/30 top variants
 - Mean Cohen's d: 0.58
 - All p < 0.05 (Mann-Whitney U)

Feature Index Effect Size Top Genes (variant count)