

## COAD

Odds=0.49,  $P=6.2 \times 10^{-2}$   
RPL22 k15fs RPL22 WT

TP53 mut	15	153
TP53 WT	19	95

## STAD

Odds=0.48,  $P=8.1 \times 10^{-3}$   
RPL22 k15fs RPL22 WT

TP53 mut	23	190
TP53 WT	45	178

## UCEC

Odds=0.24,  $P=1.9 \times 10^{-6}$   
RPL22 k15fs RPL22 WT

TP53 mut	13	157
TP53 WT	67	198

## COAD

Odds=0.06,  $P=2.0 \times 10^{-9}$   
RPL22 k15fs RPL22 WT

TP53 del	3	154
TP53 WT	31	94

## STAD

Odds=0.11,  $P=7.2 \times 10^{-10}$   
RPL22 k15fs RPL22 WT

TP53 del	6	172
TP53 WT	61	196

## UCEC

Odds=0.00,  $P=1.8 \times 10^{-11}$   
RPL22 k15fs RPL22 WT

TP53 del	0	106
TP53 WT	79	246