## COAD Reduced comutation Increased comutation Found in the non-allele-specific analysis Only found in the allele-specific analysis 20 number of genes 20 70 35 90 comutation interaction increased reduced 10 comutation analysis allele-specific non-allele-specific G12R G12C G12D G125 G12N G13D Q61H Q61L 1465 1146N 612A G12C G12D G125 G12V G13D Q61H Q61L 146T KRAS alleles LUAD d Reduced comutation Increased comutation Found in the non-allele-specific analysis Only found in the allele-specific analysis 200 90 number of genes 301 545 57 181 comutation 60 interaction increased reduced 100 30 50 comutation analysis allele-specific non-allele-specific 0612 G12A G12C G12D G12R G125 G12V G13C G13D G12A G12C G12D G12R G125 G12N G13C G13D 061L KRAS alleles MM Reduced comutation Increased comutation Found in the non-allele-specific analysis Only found in the allele-specific analysis number of genes comutation interaction increased reduced comutation analysis allele-specific non-allele-specific NA NΑ NA NA 061H Q61R G125 G12V 061H G13D G12D G13D KRAS alleles **PAAD** Reduced comutation Increased comutation Found in the non-allele-specific analysis Only found in the allele-specific analysis 3 40 number of genes 92 5 30 comutation interaction increased 20 reduced

061H 061K

G12R G12N

G12C

G12A

KRAS alleles

G12C G12D G12R G12N

061H 061K 061R

comutation analysis allele-specific non-allele-specific