COAD Reduced comutation Increased comutation Found in the non-allele-specific analysis Only found in the allele-specific analysis 20 number of genes 20 15 70 35 90 comutation interaction increased reduced 10 comutation analysis allele-specific non-allele-specific G12A G12C G12D G125 G12V G13D O61H O61L 146T 146V 0 912A G12C G12D G125 G12V G13D 061H 061L 146T KRAS alleles **LUAD** Reduced comutation Found in the non-allele-specific analysis Only found in the allele-specific analysis Increased comutation 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 G13C G13D G12A G12C G12D G12R G125 G12N G13C G13D OBIL G125 G12V KRAS alleles MM Reduced comutation Increased comutation Found in the non-allele-specific analysis Only found in the allele-specific analysis number of genes 19 comutation interaction increased reduced comutation analysis allele-specific non-allele-specific NA NA NA NA 061H 061R 061H G13D G120 G125 G12V 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 comutation analysis allele-specific non-allele-specific G12A G12C G12R G12V 0.61H 0.61K G12C G12D G12R G12V 061H 061K 061R

KRAS alleles