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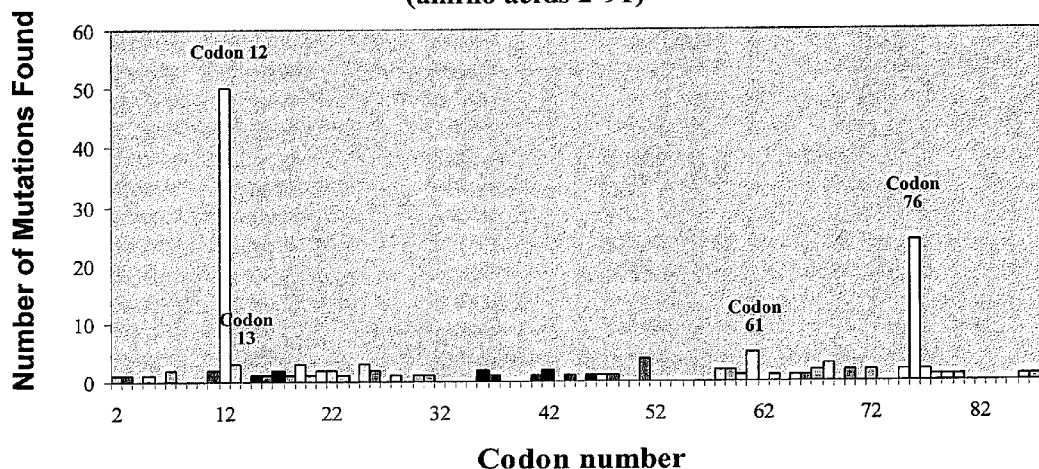
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(54) Title: RAS MUTATION AND COMPOSITIONS AND MEHODS RELATED THERETO

**Detection of *ras* mutations in Phase 1 trial biopsy samples
(amino acids 2-91)**



(57) Abstract: Disclosed are newly discovered Ras mutations and combinations of mutations, proteins and peptides and fusion proteins containing these mutations, nucleic acid molecules encoding such proteins, peptides, and fusion proteins, and a variety of tools and diagnostic, therapeutic, and screening methods associated with the use of such mutations.

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