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(54) **Title**: DETERMINING SENSITIVITY OF CELLS TO B-RAF INHIBITOR TREATMENT BY DETECTING KRAS MUTATION AND RTK EXPRESSION LEVELS

(57) **Abstract**: The present invention relates to prognostic methods for identifying tumors that are not susceptible to B-Raf inhibitor treatment by detecting mutations in a K-ras gene or protein or by detecting overexpression of RTKs and/or their ligands. Kits are also disclosed for carrying out the methods.