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(54) **Title**: DNA POLYMERASE MUTANTS HAVING ENHANCED TEMPLATE DISCRIMINATION ACTIVITY

(57) **Abstract**: This invention relates to mutant DNA polymerases having an enhanced template discrimination activity compared with the corresponding unmodified DNA polymerase counterparts, wherein the amino acid sequence of the mutant DNA polymerase includes at least one substitution at residue positions structurally and functionally homologous or orthologous positions 783 or 784 of an unmodified Taq DNA polymerase.