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(54) Title: B-FAMILY DNA POLYMERASE VARIANT AND KIT COMPRISING THE SAME

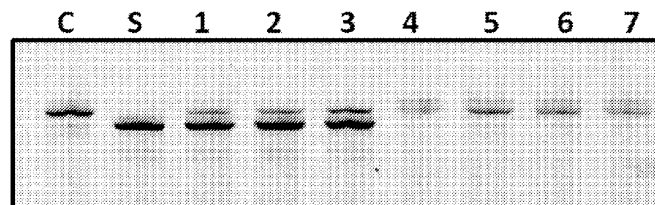


Fig.8

(57) Abstract: Disclosed herein is a specific B-family DNA polymerase variants that exhibit an improved incorporation of nucleotide analogues for synthesizing polynucleotides and sequencing the associated nucleic acid template. More particularly, the DNA sequencing-by-synthesis method can be efficiently performed by said B-family DNA polymerase variants with a normal nucleic acid template and reversible dye-terminator nucleotides to precisely determine the sequence of associated nucleic acid template.



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