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(54) Title: ENGINEERED POLYMERASES

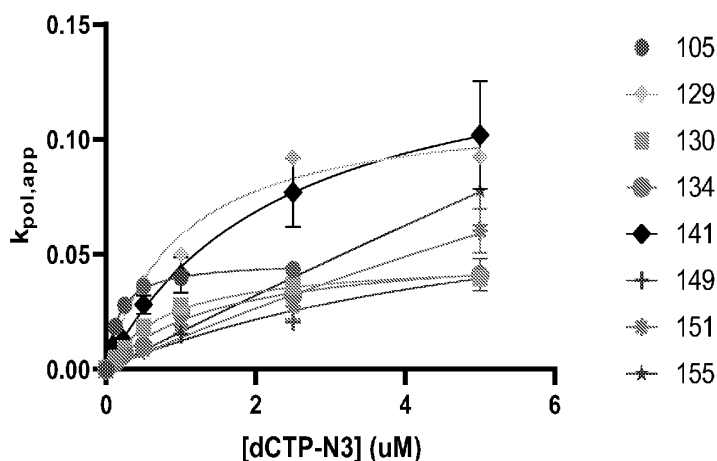


FIG. 1

(57) Abstract: Provided herein are engineered variants of archaeal, prokaryotic, and eukaryotic polymerases that exhibit enhanced thermostability, enhanced incorporation of 3' modified nucleotides, and improved uracil-tolerance, in polymerase-catalyzed nucleotide extension reactions relative to wild type polymerase enzymes. Also provided are uses of the engineered polymerases for forming complexed polymerases, forming binding complexes and forming ternary complexes, and uses for conducting nucleic acid sequencing reactions.

[Continued on next page]

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