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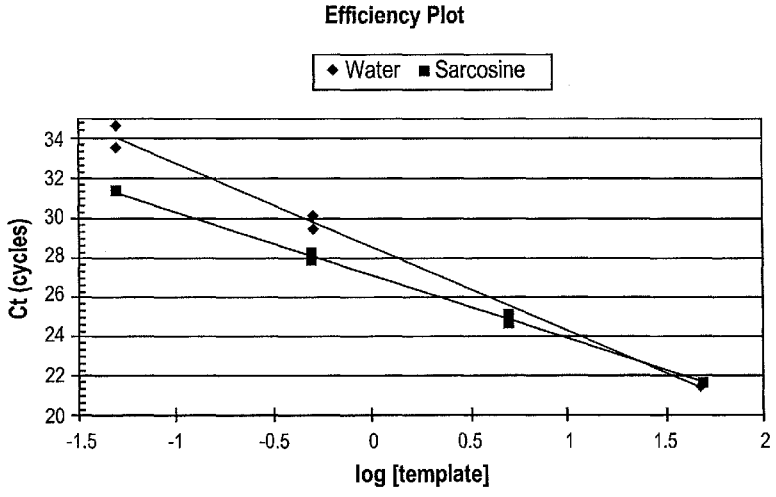
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(54) **Title**: METHODS AND COMPOSITIONS FOR IMPROVING EFFICIENCY OF NUCLEIC ACIDS AMPLIFICATION REACTIONS

FIG. 1



(57) **Abstract**: The present invention provides methods and compositions for improving the efficiency of nucleic acid amplification reactions. The invention encompasses hybrid polymerases that show increased processivity over wild type polymerases as well as decreased exonuclease activity. The invention also encompasses methods, compositions and kits for conducting nucleic acid synthesis and amplification reactions in which non-specific amplification of primers is reduced.

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