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(54) **METHOD FOR PREPARING SINGLE-STRANDED DNA LIBRARIES**

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(57) **ABSTRACT**

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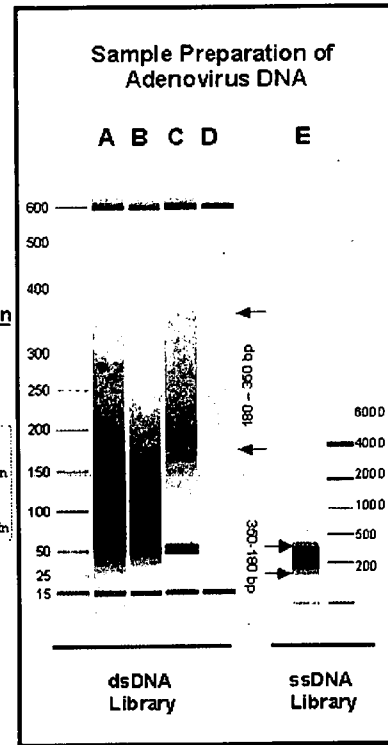
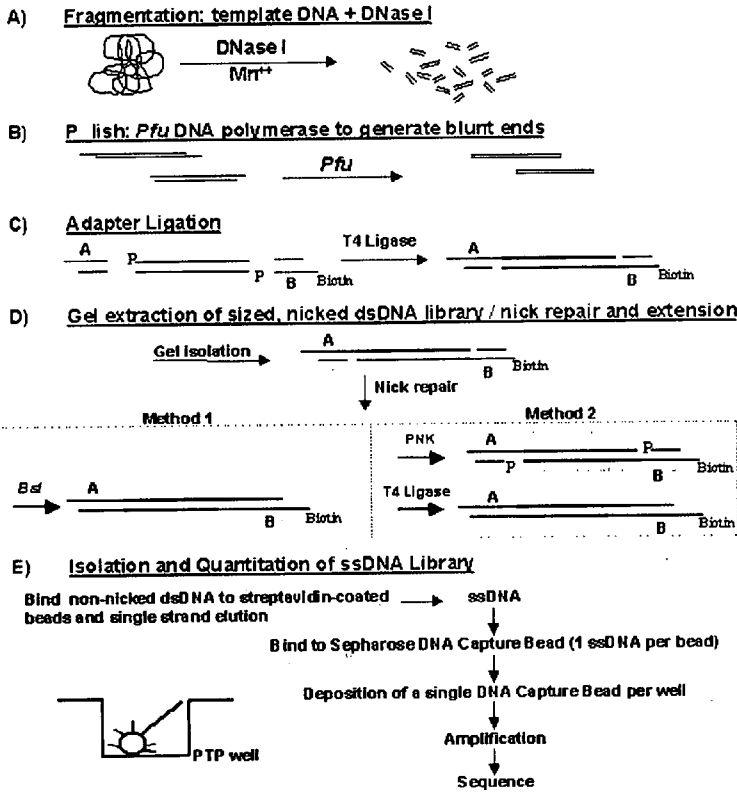
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This invention relates to methods of generating single stranded DNA libraries for use in amplification and sequencing reactions. In various aspects, the disclosed methods include: fragmenting DNA; polishing the fragments' ends; ligating the fragments to universal adaptors; performing strand displacement and extension of the nicked fragments; purifying the double-stranded ligation products; capturing the double-stranded ligation products onto a solid support; and isolating single stranded DNA library fragments, and binding these fragments to another solid support.

Related U.S. Application Data

(60) Provisional application No. 60/443,471, filed on Jan. 29, 2003. Provisional application No. 60/465,071, filed on Apr. 23, 2003. Provisional application No.

Figure 1



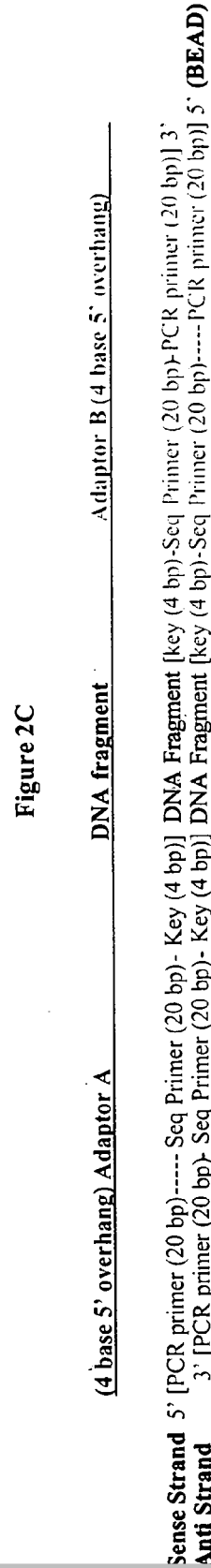
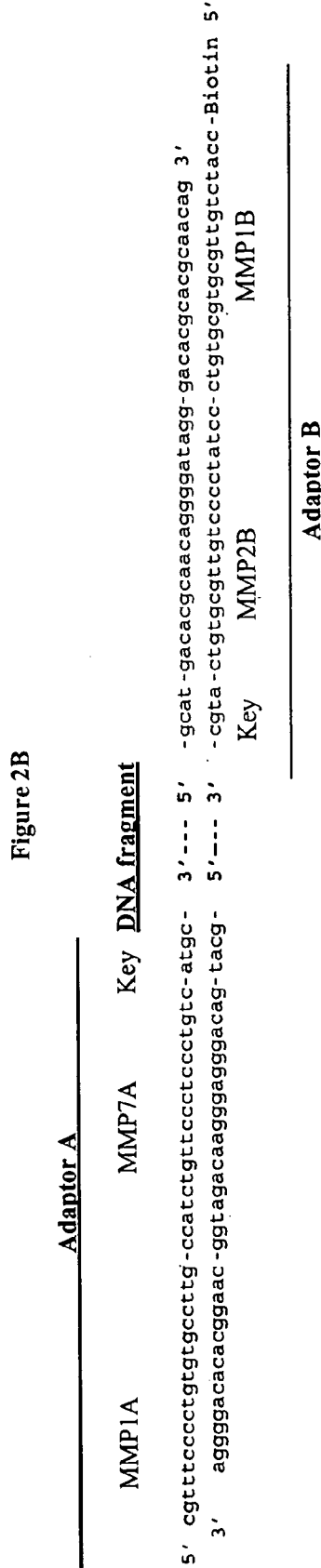
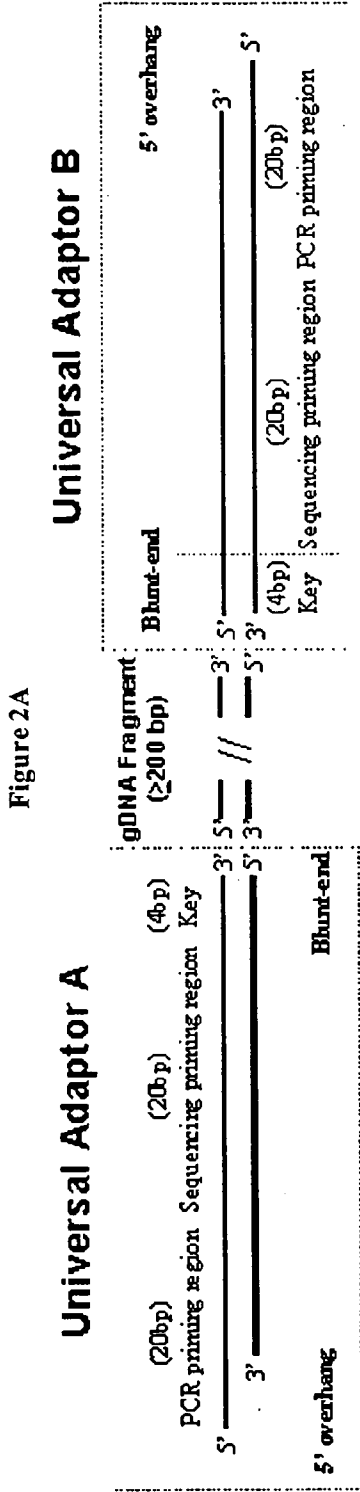


Figure 3

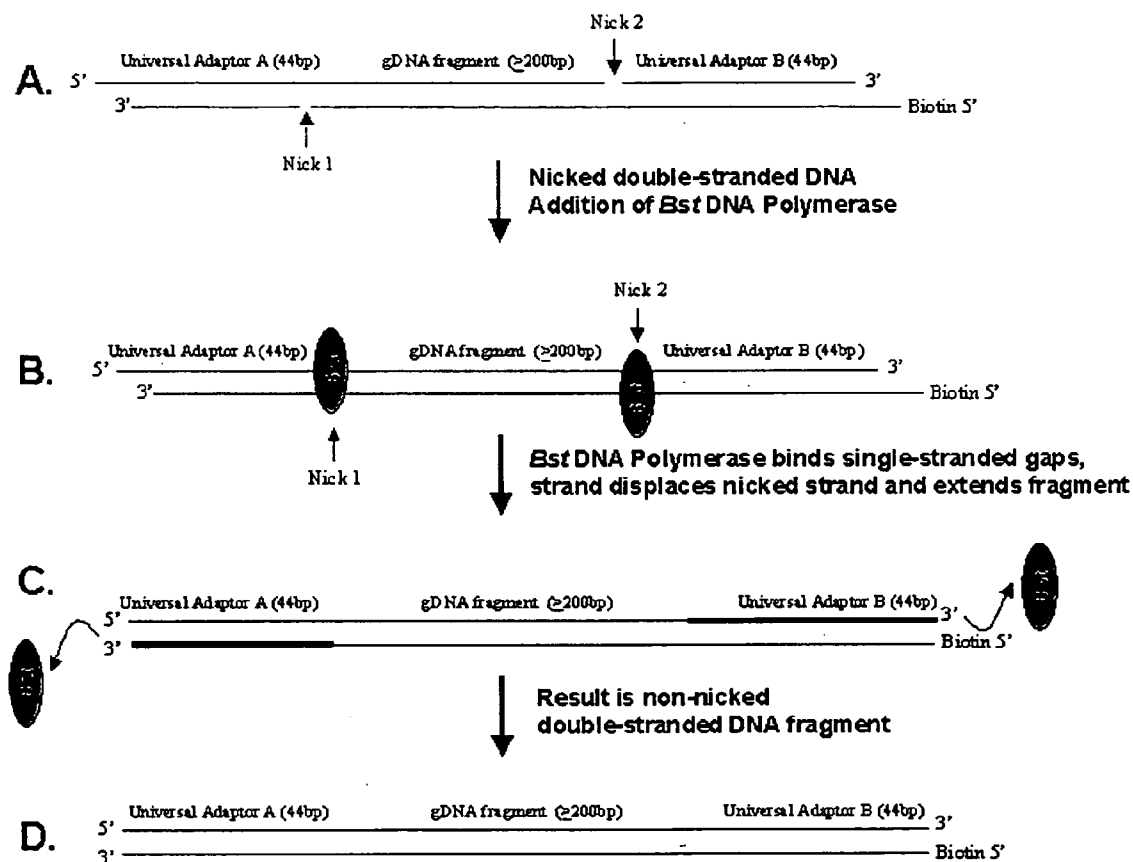
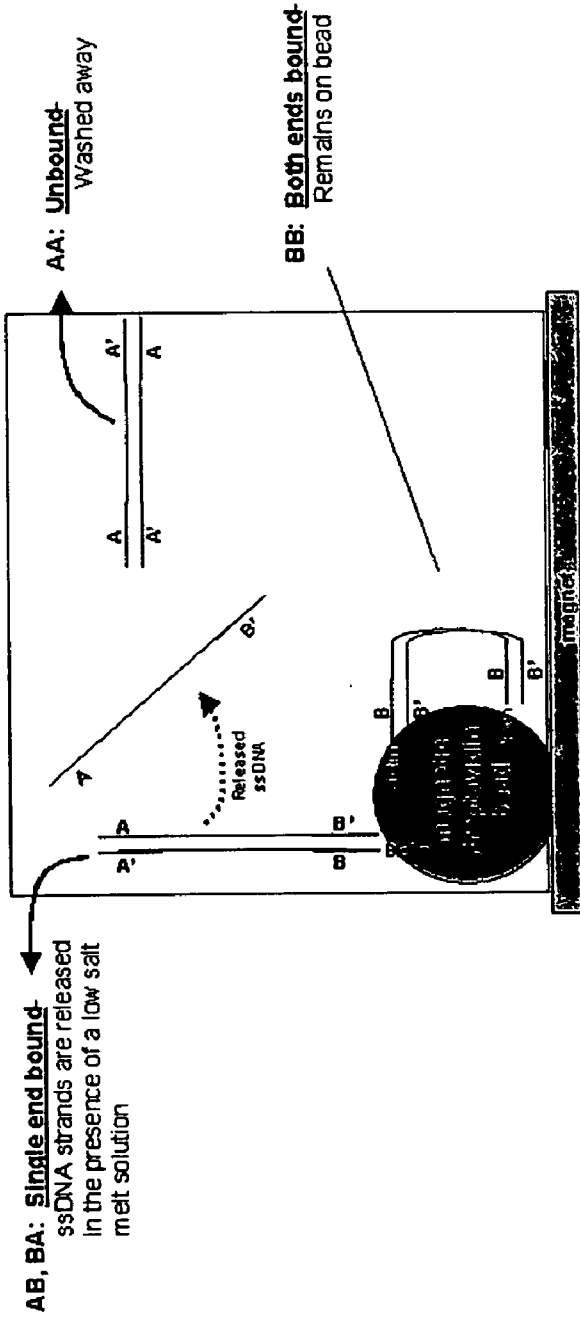
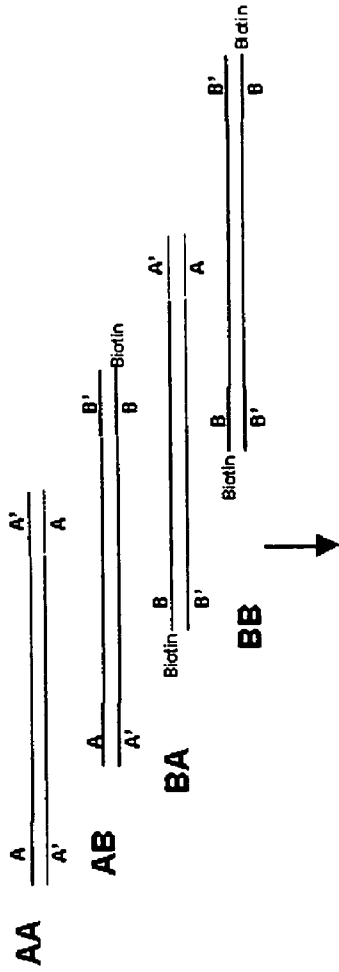


Figure 4

Possible double-stranded Genomic DNA Library Species:



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