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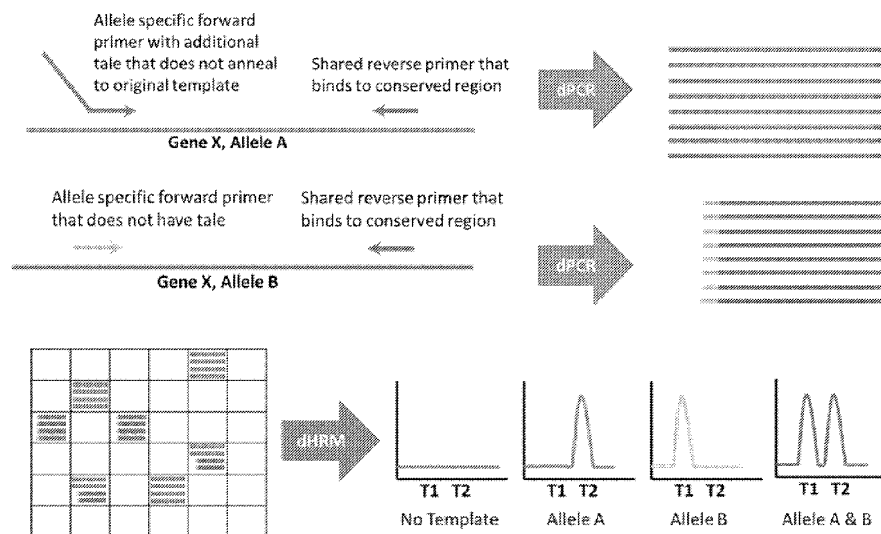


FIG. 5

(57) Abstract: The present disclosure provides methods and systems for nucleic acid identification. Identification of a nucleic acid molecule may include generating, in a plurality of chambers, a plurality of double-stranded nucleic acid molecules, denaturing the double-stranded nucleic acid molecules, and detecting signals of the denaturation to generate one or more denaturation profiles. The one or more denaturation profiles may be usable to identify nucleic acid molecules. The methods and system described herein may provide for identification of multiple nucleic acid molecules from a single analysis.

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