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(54) Title: METHODS AND MATERIALS FOR ASSESSING NUCLEIC ACIDS

(57) Abstract: Provided herein are systems, kits, compositions and methods for sequencing library preparation and sequencing workflow (e.g., for the identification of mutations). In certain embodiments, provides herein systems and methods to identically barcode both strands of templates, and PCR-based enrichment of each strand that does not require hybridization capture.

WO 2021/163546 A1