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(54) Title: METHODS OF SIMULTANEOUSLY IDENTIFYING OR QUANTIFYING CAPPING AND TAILING MODIFICATIONS OF MESSENGER RNA

(57) Abstract: The present disclosure provides, among other things, single sample multi-attribute methods of simultaneously identifying and/or quantifying RNA capping and tailing modifications. The present disclosure provides, among other things, oligonucleotides comprising RNA and DNA bases that are complementary to the 5' and 3' ends of RNA. Provided herein is a method of manufacturing RNA for therapeutic use having a quantified percentage of capped and untailed mRNA, and a specified poly A tail length and polydispersity. Also provided herein is a quality control assay for a manufacturing lot.



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