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(54) Title: ENZYMATIC RNA CAPPING METHOD

(57) Abstract: Provided herein is a method for efficiently capping RNA *in vitro*. In some embodiments the capping reaction may be done at high temperature using Vaccinia capping enzyme or a variant thereof. In other embodiments, the capping reactions may comprise a capping enzyme from a large virus of amoeba, *e.g.*, Faustovirus, mimivirus or moulou virus, or a variant thereof. Compositions and kits for practicing the method are also provided.



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