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(54) Title: POLYNUCLEOTIDES COMPRISING 5'UTR - 3' UTR COMBINATIONS AND USE THEREOF

(57) Abstract: The present invention relates to the field of artificial polynucleotides and in particular to RNA polynucleotides comprising specific 5'UTR - 3'UTR gene combinations. Provided herein is an RNA polynucleotide comprising at least one 5'UTR element selected from a gene such as ANXA1, E. Coli enolase, RPS14, RPS25, or TCV and at least one 3'UTR selected from a gene such as HBA1, RPS29, Ube2d2a, or UBL5. The invention further relates to a pharmaceutical composition comprising one or more RNA polynucleotides according to the invention and a method of inducing an enhanced immune response in a subject using said RNA polynucleotides or pharmaceutical composition.