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(54) **Title**: NUCLEIC ACID COMPRISING OR CODING FOR A HISTONE STEM-LOOP AND A POLY(A) SEQUENCE OR A POLYADENYLATION SIGNAL FOR INCREASING THE EXPRESSION OF AN ENCODED PROTEIN

(57) **Abstract**: The present application describes a coding nucleic acid sequence, particularly a messenger RNA (mRNA), comprising or coding for a histone stem-loop and a poly(A) sequence or a polyadenylation signal and the use thereof for increasing the expression of an encoded protein. It also discloses its use for the preparation of a pharmaceutical composition, especially a vaccine e.g. for the use in the treatment of tumours and cancer diseases, cardiovascular diseases, infectious diseases, autoimmune diseases or genetic diseases, or in gene therapy. The present invention further describes an in vitro transcription method, in vitro methods for increasing the expression of a protein using the nucleic acid comprising or coding for a histone stem-loop and a poly(A) sequence or a polyadenylation signal and an ex vivo and in vivo method.