CLAIMS

1. A polypeptide comprising at least 80% identity to any one of amino acid sequences SEQ ID NO: 10 - SEQ ID NO: 115.

2. The polypeptide according to claim 1, wherein the amino acid is selected from the group consisting of SEQ ID NO: 30, SEQ ID NO:32, SEQ ID NO:33, SEQ ID NO:41, and SEQ ID NO:47.

3. A composition comprising an RNA polynucleotide comprising at least one coding sequence encoding a polypeptide comprising at least 80% identity to any one of amino acid sequences SEQ ID NO: 10 - SEQ ID NO: 115, wherein the RNA is complexed or associated with lipids comprising a cationic lipid, a neutral lipid, a steroid, and a PEG-lipid, and a pharmaceutically acceptable carrier.

4. The composition according to claim 3, wherein the RNA comprises a 5′-cap structure, which comprises a structure selected from the group consisting of m7G, cap0, cap1, cap2, a modified cap0, and a modified cap1 structure.

5. The composition according to claim 3, wherein the RNA comprises at least one heterologous 5’ untranslated region (UTR), at least one heterologous 3’ UTR, and a poly(A) sequence of 30-200 adenosine nucleotides.

6. The composition according to claim 3, further comprising a second RNA polynucleotide comprising an open reading frame encoding a second antigen.

7. The composition according to claim 6, wherein the first and second antigens comprise hemagglutinin (HA) or an immunogenic fragment or variant thereof.

8. The composition according to claim 7, wherein the first and second antigens are from different subtypes of influenza virus.

9. The composition according to claim 3, wherein the RNA comprises a nucleotide analog.

10. The composition according to claim 9, wherein the RNA comprises a 1-methylpseudouridine substitution.

11. The composition according to claim 6, further comprising a third RNA polynucleotide comprising an open reading frame encoding a third antigen.

12. The composition according to claim 11, wherein the third antigen comprises neuraminidase (NA) or an immunogenic fragment or variant thereof.