CLAIMS

What is claimed is:

1. A composition for inducing an immune response against Zika virus (ZIKV) in a subject, the composition comprising at least one isolated nucleoside-modified RNA encoding at least one ZIKV antigen, wherein the at least ZIKV antigen comprises the amino acid sequence of SEQ ID NO: 2.

2. The composition of claim 1, wherein the at least one isolated nucleoside-modified RNA comprises at least one modified nucleoside selected from the group consisting of pseudouridine, and 1-methyl-pseudouridine.

3. The composition of claim 1, wherein the at least one nucleoside-modified RNA comprises the nucleotide sequence of SEQ ID NO: 1.

4. The composition of claim 1, wherein the composition further comprises an adjuvant.

5. The composition of claim 1, wherein the at least one nucleoside-modified RNA further encodes at least one adjuvant.

6. The composition of claim 1, further comprising a lipid nanoparticle (LNP).

7. The composition of claim 12, wherein the at least one nucleoside-modified RNA is encapsulated within the LNP.

8. The composition of claim 1, wherein the composition is a vaccine.