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(54) Title: ALPHAVIRUS NSP MUTANTS AS VACCINES

(57) Abstract: The present invention generally relates to a recombinant polypeptides comprising an amino acid sequence, or a variant thereof derived from the Chikungunya virus non-structural polyprotein (SEQ ID NO: 1) comprising one or more mutations selected from the group consisting of (a) a mutation at a position equivalent to amino acid position 532 of SEQ ID NO: 1, and (b) a mutation at a position equivalent to amino acid position 1050 of SEQ ID NO: 1. Also claimed are polynucleotides, expression vectors, infectious clones, virus particles and immunogenic compositions of recombinant alphaviruses comprising said polypeptides. The present disclosure also relates to methods for eliciting an immune response against alphavirus infection using the immunogenic compositions of alphaviruses mutants described herein.



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