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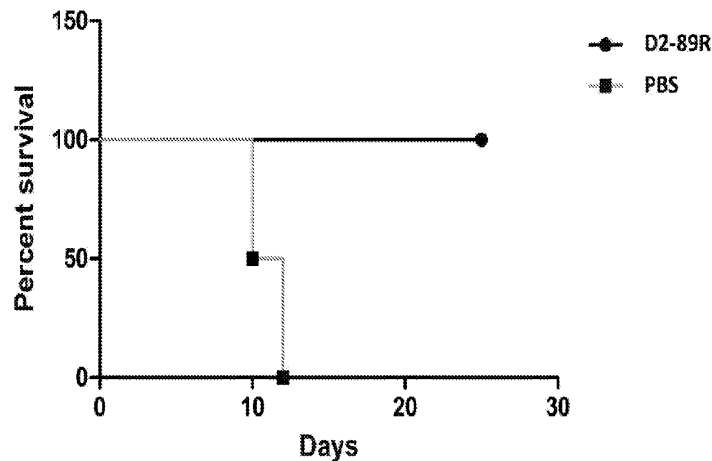


Figure 1

(57) Abstract: Arbovirus carries an altered furin cleavage site that results in enhanced cleavage of a precursor polypeptide, such as, prE2 or prM. Dengue virus particles can have an amino acid alteration within amino acids 80-130 of prM. Zika virus particles can have alterations at amino residues at and/or about the furin cleavage site. The virus can be produced in insect cells. The virus does not form progeny virus in mammal cells.



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