

CHAPTER III

OBJECTIVES

The main aim of this study was to identify the amino acid residue(s) within the 13-amino acid region just proximal to the pr-M junction that affected the export of JEVpr/16681 infectious particles out of infected cells. The two specific objectives are as follows:

1. To identify the type of changes of the amino acid residue(s) within the 13-amino acid region just proximal to the pr-M junction that affects the export of JEVpr/16681 infectious particles out of infected cells by using a single-step kinetics study.
2. To generate a new set of three pr-M junction mutant dengue viruses and to delineate the amino acid residue(s) within the 13-amino acid region just proximal to the pr-M junction that affects the export of JEVpr/16681 infectious particles out of infected cells by using a single-step kinetics study.