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## LIST OF ABBREVIATIONS

aa	amino acid
<i>Ae. agypti</i>	<i>Aedes agypti</i>
<i>Ae. albopictus</i>	<i>Aedes albopictus</i>
<i>Ae. polynesiensis</i>	<i>Aedes polynesiensis</i>
ADE	Antibody Dependent Enhancement
ATCC	American Type Culture Collection
C	Capsid protein
cDNA	complementary DNA
DAPI	4' 6-diamidino-2-phenyllindole, dilactate
DCs	monocyte-derived dendritic cells
DC-SIGN	Dendritic Cell-Specific Intercellular adhesion molecule-3-Grabbing Non-integrin
DENV	Dengue virus (es)
DF	Dengue Fever
DHF	Dengue Hemorrhagic Fever
DMEM	Dulbecco's Modified Eagle's Medium
DNA	deoxyribonucleic acid
DSS	Dengue Shock Syndrome
dNTP	deoxyribonucleotide triphosphate
DTT	Dithiothreitol
E	Envelope protein
<i>E.coli</i>	<i>Escherichia coli</i>
EGFP	Enhanced Green Fluorescent Protein
ER	endoplasmic reticulum
ESCRT	Endosomal Sorting Complex Required for Transport machinery

**LIST OF ABBREVIATIONS (cont.)**

FBS	Fetal Bovine Serum
<i>g</i>	gravity
GFP	Green Fluorescent Protein
GRP	Glucose Related Protein
GTP	Guanosine triphosphate
HEK293	Human embryonic kidney cell
HEK293T	Human embryonic kidney T cell
HRP	horseradish peroxidase
IFA	Immunofluorescent assay
IFN- $\gamma$	interferon gamma IgG Immunoglobulin G
IgM	Immunoglobulin M
IL-1	interleukin-1
IL-2	interleukin-2
IL-6	interleukin-6
JESS	JEV signal sequence
JEV	Japanese Encephalitis Virus
kb	kilobase (s)
Kda	kilodalton
L	Litre (s)
LB	Luria-Bertani medium
LCs	human skin Langerhans cells
M	Membrane protein
NS	Nonstructural protein
OD600	optical density at 600 nm
PAF	platelet-activating factor
PBS	Phosphate Buffer Saline
PIC	Protease Inhibitor Cocktail
PCR	Polymerase Chain Reaction

**LIST OF ABBREVIATIONS (cont.)**

<i>P. pastoris</i>	<i>Pichia pastoris</i>
pr	precursor domain
prM	Pre-membrane protein
rER	rough endoplasmic reticulum
RNA	ribonucleic acid
RT	reverse transcription
SDS	Sodium Dodecyl Sulfate
SDS-PAGE	Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis
SRP	signal recognition particle
TBS-T	Tris buffered Saline containing Tween-20
TDV	Tetravalent Dengue Vaccine
TEMED	Tetramethylethylenediamine
TNF	tumor necrosis factor
tRNA	transfer RNA
U	unit (s)
UTR	untranslated region
VLP	virus like particle (s)
VSV G	Vesicular Stomatitis Virus Glycoprotein
v/v	volume by volume
w/v	weight by volume
YFV	Yellow Fever Virus
YF <sub>17D</sub>	Yellow Fever Virus 17D strain