

S1 Table

Zika virus strain information

	PR-2015	P6-1966	MR-1947	Dak-1984
Strain	PRVABC59	P6-740	MR766	DakAr 41524
Accession	KX601168	KX601167	KX601169	KX601166
Lineage	Asian	Asian	East African	West African
Country	Puerto Rico	Malaysia	Uganda	Senegal
Date	2015	1966	1947	1984
Passages	V(4)	SM(6), V(3)	SM(149), V(3)	Ap61(1), C6(1), V(1)

Nucleotide similarity of the CDS between strains

	PR-2015	P6-1966	MR-1947	Dak-1984
PR-2015	100	95.5	88.6	88.6
P6-1966	95.5	100	89.9	89.9
MR-1947	88.6	89.9	100	93.4
Dak-1984	88.6	89.9	93.4	100

Amino acid changes as compared to PR-2015

Protein	Total AAs	P6-1966		MR-1947		Dak-1984	
		# of changes	% changes	# of changes	% changes	# of changes	% changes
ancC	122	1	0.8%	6	4.9%	5	4.1%
C	104	1	1.0%	4	3.8%	4	3.8%
anc	18	0	0.0%	2	11.1%	1	5.6%
preM	168	2	1.2%	10	6.0%	10	6.0%
pr	93	2	2.2%	7	7.5%	7	7.5%
M	75	0	0.0%	3	4.0%	3	4.0%
E	504	6	1.2%	19	3.8%	11	2.2%
NS1	352	2	0.6%	9	2.6%	7	2.0%
NS2A	226	2	0.9%	9	4.0%	10	4.4%
NS2B	130	0	0.0%	2	1.5%	2	1.5%
NS3	617	3	0.5%	10	1.6%	13	2.1%
NS4A	127	0	0.0%	1	0.8%	2	1.6%
2K	23	0	0.0%	0	0.0%	0	0.0%
NS4B	251	7	2.8%	10	4.0%	9	3.6%
NS5	903	16	1.8%	35	3.9%	35	3.9%
Structural	794	9	1.1%	35	4.4%	26	3.3%
Non-structural	2629	30	1.1%	76	2.9%	78	3.0%
Polyprotein	3423	39	1.1%	111	3.2%	104	3.0%