

Supplementary Table S2: Nucleotide composition analysis of ZIKV coding sequences (%).

No	A	U	G	C	A ₃	U ₃	G ₃	C ₃	AU	GC	GC ₁	GC ₂	AU ₃	GC ₃	GC ₁₂	ENC
1	27.10	22.66	28.82	21.42	26.20	20.76	29.05	23.99	49.76	50.24	53.04	44.65	46.96	53.04	48.84	54.03
2	26.52	22.12	29.39	21.97	24.40	19.57	30.89	25.15	48.64	51.36	53.05	44.99	43.96	56.04	49.02	54.28
3	26.76	22.00	29.22	22.02	25.13	19.23	30.43	25.21	48.76	51.24	53.04	45.05	44.36	55.64	49.05	54.04
4	26.67	22.04	29.28	22.00	24.84	19.28	30.64	25.24	48.72	51.28	52.94	45.03	44.12	55.88	48.98	53.75
5	26.70	22.03	29.20	22.07	25.06	19.30	30.34	25.30	48.73	51.27	53.12	45.05	44.36	55.64	49.08	54.14
6	26.66	22.04	29.28	22.01	24.82	19.29	30.62	25.27	48.71	51.29	52.96	45.03	44.11	55.89	48.99	53.60
7	26.70	22.04	29.25	22.02	24.92	19.27	30.52	25.29	48.74	51.26	52.95	45.03	44.19	55.81	48.99	53.64
8	26.70	21.99	29.24	22.07	24.93	19.04	30.52	25.51	48.69	51.31	52.88	45.03	43.97	56.03	48.95	53.52
9	26.74	22.02	29.23	22.01	25.07	19.21	30.46	25.27	48.77	51.23	52.91	45.07	44.28	55.72	48.99	53.50
10	26.69	22.06	29.25	22.00	24.99	19.23	30.46	25.32	48.75	51.25	52.99	44.99	44.22	55.78	48.99	53.63
11	26.70	22.04	29.25	22.02	24.92	19.27	30.52	25.29	48.74	51.26	52.95	45.03	44.19	55.81	48.99	53.64
12	26.72	21.92	29.25	22.12	24.98	18.98	30.52	25.53	48.64	51.36	52.95	45.10	43.95	56.05	49.02	53.82
13	26.73	22.09	29.19	21.99	25.03	19.33	30.39	25.25	48.82	51.18	52.85	45.04	44.36	55.64	48.95	53.95
14	26.73	22.08	29.19	22.00	25.03	19.29	30.39	25.29	48.81	51.19	52.85	45.04	44.32	55.68	48.95	53.89
15	26.69	22.05	29.25	22.00	24.92	19.31	30.52	25.25	48.75	51.25	52.96	45.03	44.22	55.78	48.99	53.64
16	26.74	22.01	29.21	22.04	25.04	19.20	30.40	25.37	48.75	51.25	52.96	45.03	44.23	55.77	48.99	53.85
17	26.68	21.99	29.27	22.07	24.87	19.14	30.57	25.42	48.66	51.34	52.94	45.09	44.01	55.99	49.01	53.64
18	26.69	22.05	29.25	22.01	24.92	19.29	30.52	25.27	48.74	51.26	52.96	45.03	44.21	55.79	48.99	53.64
19	26.65	22.04	29.30	22.01	24.75	19.29	30.69	25.27	48.69	51.31	52.94	45.03	44.04	55.96	48.98	53.55
20	27.05	22.12	29.01	21.82	25.93	19.47	29.66	24.94	49.17	50.83	53.23	44.66	45.40	54.60	48.95	54.71
21	27.20	22.60	28.77	21.42	26.56	20.81	28.90	23.72	49.80	50.20	53.19	44.78	47.38	52.62	48.98	54.29
22	27.10	22.67	28.81	21.42	26.20	20.81	29.00	23.99	49.77	50.23	53.04	44.65	47.00	53.00	48.84	54.23
23	26.75	22.00	29.25	21.99	25.41	19.06	30.20	25.33	48.79	51.24	53.30	44.90	44.47	55.53	49.10	54.28
24	26.90	22.16	29.24	21.70	25.63	19.54	30.22	24.61	49.02	50.95	53.26	44.74	45.17	54.83	49.00	54.10
25	26.69	21.93	29.27	22.10	24.68	19.05	30.91	25.37	48.63	51.37	52.92	44.92	43.73	56.27	48.92	53.32
26	26.53	22.10	29.35	22.02	24.62	19.48	30.63	25.27	48.62	51.38	53.19	45.05	44.10	55.90	49.12	54.90
27	26.66	22.15	29.27	21.92	24.74	19.81	30.65	24.80	48.81	51.19	53.08	45.04	44.55	55.45	49.06	54.43
Avg	26.76	22.11	29.20	21.94	25.13	19.46	30.32	25.09	48.87	51.13	53.02	44.96	44.59	55.41	48.99	53.93
SD	0.17	0.20	0.16	0.20	0.52	0.51	0.53	0.47	0.35	0.35	0.12	0.14	0.97	0.97	0.06	0.39

ENC effective number of codons; *Avg* average; *SD* standard deviation. The numbering of ZIKV strains in first column corresponds to that of Supplementary Table S1.