

Table S2. Characterizations of the sequences of DENV circulated in Guangdong sequencing in this study.

No.	Accession No.*	Year	Strain name in this study	Sequence	Serotype	Genotype	Clade
1	KX225491	2006	2006 KX225491 China	Illumina	1	I	1H4
2	KX225490	2013	2013 KX225490 China	Illumina	1	I	1H4
3	KX621251	2013	2013 KX621251 China	Illumina	1	I	1K1
4	KX225489	2013	2013 KX225489 China	Illumina	1	I	1K1
5	KX225488	2013	2013 KX225488 China	Illumina	1	I	1K1
6	KX458013	2014	2014 KX458013 China	Illumina	1	I	1K1
7	KX620455	2014	2014 KX620455 China	Illumina	1	I	1K1
8	KX458014	2014	2014 KX458014 China	Illumina	1	I	1K1
9	KX620454	2014	2014 KX620454 China	Illumina	1	I	1G5
10	NMDCN0002PHC	2016	2016 GZ-14861 China	Sanger	1	I	1L2
11	NMDCN0002PHD	2016	2016 GZ-15334 China	Sanger	1	I	1L2
12	NMDCN0002PHE	2016	2016 GZ-18241 China	Sanger	1	I	1L2
13	NMDCN0002PHB	2016	2016 GZ-545 China	Sanger	1	I	1L2
14	NMDCN0002PHF	2017	2017 GZ-29492 China	Sanger	1	I	1L1
15	NMDCN0002PHG	2017	2017 GZ-40277 China	Sanger	1	I	1L1
16	NMDCN0002PHH	2017	2017 GZ-8Y2 China	Sanger	1	I	1L1
17	NMDCN0002PHI	2017	2017 GZ-8Y3 China	Sanger	1	I	1L1
18	NMDCN0002PHJ	2017	2017 GZ-8Y4 China	Sanger	1	I	1L1
19	NMDCN0002PHK	2017	2017 GZ-8Y5 China	Sanger	1	I	1L1
20	NMDCN0002PHL	2017	2017 GZ-CSH China	Sanger	1	I	1L1
21	NMDCN0002PHM	2017	2017 GZ-HYY China	Sanger	1	I	1L1
22	NMDCN0002PHN	2017	2017 GZ-LHQ China	Sanger	1	I	1L1
23	NMDCN0002PHO	2017	2017 GZ-p1-consensus China	Sanger	1	I	1L1
24	NMDCN0002PHP	2017	2017 GZ-xue-consensus China	Sanger	1	I	1L1
25	NMDCN0002PHQ	2017	2017 GZ-YLY China	Sanger	1	I	1L1
26	NMDCN0002PHR	2017	2017 GZ-ZRH China	Sanger	1	I	1L1
27	KX621250	2014	2014 KX621250 China	Illumina	1	I	1L2
28	KX225492	2014	2014 KX225492 China	Illumina	1	I	1L2
29	KX225493	2014	2014 KX225493 China	Illumina	1	I	1L2
30	KX621253	2016	2016 KX621253 China	Illumina	1	I	1L2
31	NMDCN0002PHA	2016	2016 GZ-18488 China	Sanger	1	V	5C1
32	KX225487	2013	2013 KX225487 China	Illumina	1	V	5C1
33	KX621249	2014	2014 KX621249 China	Illumina	1	V	5C1
34	KX459391	2014	2014 KX459391 China	Illumina	1	V	5C1
35	KX459389	2014	2014 KX459389 China	Illumina	1	V	5C1
36	KX459386	2014	2014 KX459386 China	Illumina	1	V	5C1
37	KX459387	2014	2014 KX459387 China	Illumina	1	V	5C1
38	KX459388	2014	2014 KX459388 China	Illumina	1	V	5C1
39	KX620451	2014	2014 KX620451 China	Illumina	1	V	5C1
40	KX620453	2014	2014 KX620453 China	Illumina	1	V	5C1
41	KX459390	2014	2014 KX459390 China	Illumina	1	V	5C1
42	KX459392	2014	2014 KX459392 China	Illumina	1	V	5C1
43	MN869904	2018	2018 MN869904 China	Illumina	1	I	1L1
44	MN869905	2018	2018 MN869905 China	Illumina	1	I	1J7

45	MN869906	2018	2018 MN869906 China	Illumina	1	I	1L1
46	MN869907	2018	2018 MN869907 China	Illumina	1	I	1L1
47	MN869908	2018	2018 MN869908 China	Illumina	1	I	1L1
48	MN869909	2018	2018 MN869909 China	Illumina	1	I	1L1
49	MN869910	2018	2018 MN869910 China	Illumina	1	I	1L1
50	MN869911	2018	2018 MN869911 China	Illumina	1	I	1L1
51	MN869912	2018	2018 MN869912 China	Illumina	1	I	1L1
52	MN869913	2018	2018 MN869913 China	Illumina	1	I	1L1
53	MN869914	2018	2018 MN869914 China	Illumina	1	I	1L1
54	MN886843	2014	2014 MN886843 China	Illumina	1	V	5C1
55	MN886880	2014	2014 MN886880 China	Illumina	1	I	1L2
56	MN886881	2014	2014 MN886881 China	Illumina	1	I	1K1
57	MN886844	2014	2014 MN886844 China	Illumina	1	V	5C1
58	MN886882	2014	2014 MN886882 China	Illumina	1	I	1L2
59	MN886845	2014	2014 MN886845 China	Illumina	1	V	5C1
60	MN886883	2014	2014 MN886883 China	Illumina	1	I	1L2
61	MN886846	2014	2014 MN886846 China	Illumina	1	V	5C1
62	MN886847	2014	2014 MN886847 China	Illumina	1	V	5C1
63	MN886848	2014	2014 MN886848 China	Illumina	1	V	5C1
64	MN886849	2014	2014 MN886849 China	Illumina	1	V	5C1
65	MN886884	2014	2014 MN886884 China	Illumina	1	I	1K1
66	MN886850	2014	2014 MN886850 China	Illumina	1	V	5C1
67	MN886851	2014	2014 MN886851 China	Illumina	1	V	5C1
68	MN886885	2014	2014 MN886885 China	Illumina	1	I	1L2
69	MN886852	2014	2014 MN886852 China	Illumina	1	V	5C1
70	MN886853	2014	2014 MN886853 China	Illumina	1	V	5C1
71	MN886854	2014	2014 MN886854 China	Illumina	1	V	5C1
72	MN886886	2014	2014 MN886886 China	Illumina	1	I	1K1
73	MN886887	2014	2014 MN886887 China	Illumina	1	I	1K1
74	MN886879	2014	2014 MN886879 China	Illumina	1	I	1K1
75	MN886855	2014	2014 MN886855 China	Illumina	1	V	5C1
76	MN886888	2014	2014 MN886888 China	Illumina	1	I	1K1
77	MN886856	2014	2014 MN886856 China	Illumina	1	V	5C1
78	MN886857	2014	2014 MN886857 China	Illumina	1	V	5C1
79	MN886858	2014	2014 MN886858 China	Illumina	1	V	5C1
80	MN886859	2014	2014 MN886859 China	Illumina	1	V	5C1
81	MN886860	2014	2014 MN886860 China	Illumina	1	V	5C1
82	MN886861	2014	2014 MN886861 China	Illumina	1	V	5C1
83	MN886889	2014	2014 MN886889 China	Illumina	1	I	1K1
84	MN886890	2014	2014 MN886890 China	Illumina	1	I	1K1
85	MN886862	2014	2014 MN886862 China	Illumina	1	V	5C1
86	MN886863	2014	2014 MN886863 China	Illumina	1	V	5C1
87	MN886891	2014	2014 MN886891 China	Illumina	1	I	1K1
88	MN886864	2014	2014 MN886864 China	Illumina	1	V	5C1
89	MN886892	2014	2014 MN886892 China	Illumina	1	I	1K1
90	MN886900	2013	2013 MN886900 China	Illumina	1	I	1K1

91	MN886865	2014	2014 MN886865 China	Illumina	1	V	5C1
92	MN886866	2014	2014 MN886866 China	Illumina	1	V	5C1
93	MN886867	2014	2014 MN886867 China	Illumina	1	V	5C1
94	MN886901	2013	2013 MN886901 China	Illumina	1	I	1K1
95	MN886902	2013	2013 MN886902 China	Illumina	1	I	1K1
96	MN886903	2013	2013 MN886903 China	Illumina	1	I	1K1
97	MN886904	2013	2013 MN886904 China	Illumina	1	I	1K1
98	MN886905	2013	2013 MN886905 China	Illumina	1	I	1K1
99	MN886893	2014	2014 MN886893 China	Illumina	1	I	1K1
100	MN886868	2014	2014 MN886868 China	Illumina	1	V	5C1
101	MN886869	2014	2014 MN886869 China	Illumina	1	V	5C1
102	MN886870	2014	2014 MN886870 China	Illumina	1	V	5C1
103	MN886906	2013	2013 MN886906 China	Illumina	1	I	1L2
104	MN886894	2014	2014 MN886894 China	Illumina	1	I	1K1
105	MN886871	2014	2014 MN886871 China	Illumina	1	V	5C1
106	MN886872	2014	2014 MN886872 China	Illumina	1	V	5C1
107	MN886895	2014	2014 MN886895 China	Illumina	1	I	1K1
108	MN886896	2014	2014 MN886896 China	Illumina	1	I	1K1
109	MN886873	2014	2014 MN886873 China	Illumina	1	V	5C1
110	MN886874	2014	2014 MN886874 China	Illumina	1	V	5C1
111	MN886907	2013	2013 MN886907 China	Illumina	1	I	1K1
112	MN886875	2014	2014 MN886875 China	Illumina	1	V	5C1
113	MN886876	2014	2014 MN886876 China	Illumina	1	V	5C1
114	MN886908	2013	2013 MN886908 China	Illumina	1	V	5C1
115	MN886909	2013	2013 MN886909 China	Illumina	1	I	1K1
116	MN886910	2013	2013 MN886910 China	Illumina	1	I	1K1
117	MN886911	2013	2013 MN886911 China	Illumina	1	I	1K1
118	MN886912	2013	2013 MN886912 China	Illumina	1	I	1K1
119	MN886877	2014	2014 MN886877 China	Illumina	1	V	5C1
120	MN886824	2017	2017 MN886824 China	Illumina	1	I	1L1
121	MN886825	2017	2017 MN886825 China	Illumina	1	I	1L1
122	MN886826	2017	2017 MN886826 China	Illumina	1	I	1L1
123	MN886827	2017	2017 MN886827 China	Illumina	1	I	1L1
124	MN886828	2017	2017 MN886828 China	Illumina	1	I	1L1
125	MN886878	2014	2014 MN886878 China	Illumina	1	V	5C1
126	MN886829	2017	2017 MN886829 China	Illumina	1	I	1L1
127	MN886830	2017	2017 MN886830 China	Illumina	1	I	1L1
128	MN886831	2017	2017 MN886831 China	Illumina	1	I	1L1
129	MN886832	2017	2017 MN886832 China	Illumina	1	I	1L1
130	MN886833	2017	2017 MN886833 China	Illumina	1	I	1L1
131	MN886834	2017	2017 MN886834 China	Illumina	1	I	1L1
132	MN886835	2017	2017 MN886835 China	Illumina	1	I	1L1
133	MN886836	2017	2017 MN886836 China	Illumina	1	I	1L1
134	MN886837	2017	2017 MN886837 China	Illumina	1	I	1L1
135	MN886838	2017	2017 MN886838 China	Illumina	1	I	1L1
136	MN886839	2017	2017 MN886839 China	Illumina	1	I	1E1

137	MN886913	2013	2013 MN886913 China	Illumina	1	I	1K1
138	MN886840	2017	2017 MN886840 China	Illumina	1	I	1L1
139	MN886841	2017	2017 MN886841 China	Illumina	1	I	1L1
140	MN886897	2014	2014 MN886897 China	Illumina	1	I	1K1
141	MN886842	2017	2017 MN886842 China	Illumina	1	I	1L1
142	MN886898	2014	2014 MN886898 China	Illumina	1	I	1K1
143	MN886899	2014	2014 MN886899 China	Illumina	1	I	1K1
144	MN886915	2006	2006 MN886915 China	Illumina	1	I	1H4
145	MN886916	2006	2006 MN886916 China	Illumina	1	I	1E1
146	MN886917	2006	2006 MN886917 China	Illumina	1	I	1E1
147	MN886914	2013	2013 MN886914 China	Illumina	1	I	1H4
148	MN886918	2006	2006 MN886918 China	Illumina	1	I	1E1
149	MN886919	2006	2006 MN886919 China	Illumina	1	I	1E1
150	MN886920	2006	2006 MN886920 China	Illumina	1	I	1E1
151	MN886921	2006	2006 MN886921 China	Illumina	1	I	1E1
152	MN886922	2006	2006 MN886922 China	Illumina	1	I	1E1
153	MN886923	2006	2006 MN886923 China	Illumina	1	I	1E1
154	MN886924	2006	2006 MN886924 China	Illumina	1	I	1H4
155	MW261824	2019	2019 MW261824 China	Illumina	1	I	1L1
156	MW261844	2019	2019 MW261844 China	Illumina	1	I	1E1
157	MW261845	2019	2019 MW261845 China	Illumina	1	I	1E1
158	MW261825	2019	2019 MW261825 China	Illumina	1	I	1L1
159	MW261826	2019	2019 MW261826 China	Illumina	1	I	1L1
160	MW261846	2019	2019 MW261846 China	Illumina	1	I	1E1
161	MW261827	2019	2019 MW261827 China	Illumina	1	I	1L1
162	MW261828	2019	2019 MW261828 China	Illumina	1	I	1L1
163	MW261847	2019	2019 MW261847 China	Illumina	1	I	1E1
164	MW261829	2019	2019 MW261829 China	Illumina	1	I	1E1
165	MW261830	2019	2019 MW261830 China	Illumina	1	I	1E1
166	MW261831	2019	2019 MW261831 China	Illumina	1	I	1E1
167	MW261832	2019	2019 MW261832 China	Illumina	1	V	5C1
168	MW261833	2019	2019 MW261833 China	Illumina	1	I	1E1
169	MW261834	2019	2019 MW261834 China	Illumina	1	I	1E1
170	MW261835	2019	2019 MW261835 China	Illumina	1	I	1E1
171	MW261836	2019	2019 MW261836 China	Illumina	1	IV	4C3
172	MW261837	2019	2019 MW261837 China	Illumina	1	I	1L1
173	MW261838	2019	2019 MW261838 China	Illumina	1	I	1E1
174	MW261839	2019	2019 MW261839 China	Illumina	1	I	1E1
175	MW261848	2019	2019 MW261848 China	Illumina	1	I	1E1
176	MW261840	2019	2019 MW261840 China	Illumina	1	I	1J7
177	MW261841	2019	2019 MW261841 China	Illumina	1	I	1E1
178	MW261842	2019	2019 MW261842 China	Illumina	1	I	1E1
179	MW261843	2019	2019 MW261843 China	Illumina	1	I	1E1

* Data is deposited in China National Microbiology Data Center (NMDC, <https://nmdc.cn/resource/genomics/sequence/>) and National Center for Biotechnology Information (NCBI, <https://www.ncbi.nlm.nih.gov/>) with accession numbers.