

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

No.	Severity*	Gender	Age	Accession No.**	Year	Strain name in this study	Sequence	Serotype	Genotype	Clade
1	/	/	/	KX225491	2006	2006 KX225491 China	IonTorrent, Sanger	1	I	1H4
2	/	/	/	KX225490	2013	2013 KX225490 China	IonTorrent, Sanger	1	I	1H4
3	/	/	/	KX621251	2013	2013 KX621251 China	IonTorrent, Sanger	1	I	1K1
4	/	/	/	KX225489	2013	2013 KX225489 China	IonTorrent, Sanger	1	I	1K1
5	/	/	/	KX225488	2013	2013 KX225488 China	IonTorrent, Sanger	1	I	1K1
6	/	/	/	KX458013	2014	2014 KX458013 China	IonTorrent, Sanger	1	I	1K1
7	/	/	/	KX620455	2014	2014 KX620455 China	IonTorrent, Sanger	1	I	1K1
8	/	/	/	KX458014	2014	2014 KX458014 China	IonTorrent, Sanger	1	I	1K1
9	/	/	/	KX620454	2014	2014 KX620454 China	IonTorrent, Sanger	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	IonTorrent, Sanger	1	I	1L1
17	/	/	/	NMDCN0002PHI	2017	2017 GZ-8Y3 China	IonTorrent, Sanger	1	I	1L1
18	/	/	/	NMDCN0002PHJ	2017	2017 GZ-8Y4 China	IonTorrent, Sanger	1	I	1L1
19	/	/	/	NMDCN0002PHK	2017	2017 GZ-8Y5 China	IonTorrent, 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	SD	Male	26	MN869904	2018	2018 MN869904 China	Illumina	1	I	1L1
44	SD	Female	61	MN869905	2018	2018 MN869905 China	Illumina	1	I	1J7
45	SD	Male	20	MN869906	2018	2018 MN869906 China	Illumina	1	I	1L1
46	DF	Male	67	MN869907	2018	2018 MN869907 China	Illumina	1	I	1L1
47	DF	Male	68	MN869908	2018	2018 MN869908 China	Illumina	1	I	1L1
48	DF	Female	79	MN869909	2018	2018 MN869909 China	Illumina	1	I	1L1
49	DF	Female	68	MN869910	2018	2018 MN869910 China	Illumina	1	I	1L1
50	DF	Male	32	MN869911	2018	2018 MN869911 China	Illumina	1	I	1L1
51	DF	Female	49	MN869912	2018	2018 MN869912 China	Illumina	1	I	1L1
52	DF	Male	23	MN869913	2018	2018 MN869913 China	Illumina	1	I	1L1
53	DF	Male	42	MN869914	2018	2018 MN869914 China	Illumina	1	I	1L1
54	SD	Male	82	MN886843	2014	2014 MN886843 China	Illumina	1	V	5C1
55	SD	Male	41	MN886880	2014	2014 MN886880 China	Illumina	1	I	1L2
56	DF	Female	56	MN886881	2014	2014 MN886881 China	Illumina	1	I	1K1
57	SD	Female	34	MN886844	2014	2014 MN886844 China	Illumina	1	V	5C1
58	DF	Male	64	MN886882	2014	2014 MN886882 China	Illumina	1	I	1L2
59	SD	Male	80	MN886845	2014	2014 MN886845 China	Illumina	1	V	5C1
60	SD	Female	64	MN886883	2014	2014 MN886883 China	Illumina	1	I	1L2
61	SD	Female	72	MN886846	2014	2014 MN886846 China	Illumina	1	V	5C1
62	DF	Female	62	MN886847	2014	2014 MN886847 China	Illumina	1	V	5C1
63	DF	Male	32	MN886848	2014	2014 MN886848 China	Illumina	1	V	5C1
64	SD	Female	84	MN886849	2014	2014 MN886849 China	Illumina	1	V	5C1
65	DF	Female	66	MN886884	2014	2014 MN886884 China	Illumina	1	I	1K1
66	DF	Male	66	MN886850	2014	2014 MN886850 China	Illumina	1	V	5C1
67	DF	Female	57	MN886851	2014	2014 MN886851 China	Illumina	1	V	5C1
68	DF	Female	50	MN886885	2014	2014 MN886885 China	Illumina	1	I	1L2
69	SD	Male	74	MN886852	2014	2014 MN886852 China	Illumina	1	V	5C1
70	SD	Female	29	MN886853	2014	2014 MN886853 China	Illumina	1	V	5C1
71	DF	Male	72	MN886854	2014	2014 MN886854 China	Illumina	1	V	5C1
72	DF	Male	65	MN886886	2014	2014 MN886886 China	Illumina	1	I	1K1
73	DF	Male	63	MN886887	2014	2014 MN886887 China	Illumina	1	I	1K1
74	DF	Female	48	MN886879	2014	2014 MN886879 China	Illumina	1	I	1K1
75	DF	Female	64	MN886855	2014	2014 MN886855 China	Illumina	1	V	5C1
76	SD	Female	36	MN886888	2014	2014 MN886888 China	Illumina	1	I	1K1
77	SD	Female	44	MN886856	2014	2014 MN886856 China	Illumina	1	V	5C1

78	SD	Male	27	MN886857	2014	2014 MN886857 China	Illumina	1	V	5C1
79	SD	Male	74	MN886858	2014	2014 MN886858 China	Illumina	1	V	5C1
80	SD	Female	58	MN886859	2014	2014 MN886859 China	Illumina	1	V	5C1
81	DF	Female	65	MN886860	2014	2014 MN886860 China	Illumina	1	V	5C1
82	DF	Female	63	MN886861	2014	2014 MN886861 China	Illumina	1	V	5C1
83	DF	Male	37	MN886889	2014	2014 MN886889 China	Illumina	1	I	1K1
84	DF	Male	76	MN886890	2014	2014 MN886890 China	Illumina	1	I	1K1
85	SD	Female	17	MN886862	2014	2014 MN886862 China	Illumina	1	V	5C1
86	DF	Female	64	MN886863	2014	2014 MN886863 China	Illumina	1	V	5C1
87	DF	Female	25	MN886891	2014	2014 MN886891 China	Illumina	1	I	1K1
88	SD	Female	65	MN886864	2014	2014 MN886864 China	Illumina	1	V	5C1
89	SD	Female	33	MN886892	2014	2014 MN886892 China	Illumina	1	I	1K1
90	DF	Male	73	MN886900	2013	2013 MN886900 China	Illumina	1	I	1K1
91	DF	Male	87	MN886865	2014	2014 MN886865 China	Illumina	1	V	5C1
92	DF	Male	73	MN886866	2014	2014 MN886866 China	Illumina	1	V	5C1
93	DF	Female	36	MN886867	2014	2014 MN886867 China	Illumina	1	V	5C1
94	DF	Female	48	MN886901	2013	2013 MN886901 China	Illumina	1	I	1K1
95	DF	Female	26	MN886902	2013	2013 MN886902 China	Illumina	1	I	1K1
96	SD	Female	72	MN886903	2013	2013 MN886903 China	Illumina	1	I	1K1
97	DF	Male	73	MN886904	2013	2013 MN886904 China	Illumina	1	I	1K1
98	SD	Male	40	MN886905	2013	2013 MN886905 China	Illumina	1	I	1K1
99	SD	Female	41	MN886893	2014	2014 MN886893 China	Illumina	1	I	1K1
100	SD	Male	73	MN886868	2014	2014 MN886868 China	Illumina	1	V	5C1
101	SD	Male	76	MN886869	2014	2014 MN886869 China	Illumina	1	V	5C1
102	DF	Female	54	MN886870	2014	2014 MN886870 China	Illumina	1	V	5C1
103	SD	Female	45	MN886906	2013	2013 MN886906 China	Illumina	1	I	1L2
104	SD	Female	63	MN886894	2014	2014 MN886894 China	Illumina	1	I	1K1
105	DF	Male	46	MN886871	2014	2014 MN886871 China	Illumina	1	V	5C1
106	SD	Female	88	MN886872	2014	2014 MN886872 China	Illumina	1	V	5C1
107	DF	Male	32	MN886895	2014	2014 MN886895 China	Illumina	1	I	1K1
108	DF	Female	27	MN886896	2014	2014 MN886896 China	Illumina	1	I	1K1
109	SD	Female	59	MN886873	2014	2014 MN886873 China	Illumina	1	V	5C1
110	DF	Female	25	MN886874	2014	2014 MN886874 China	Illumina	1	V	5C1
111	DF	Male	51	MN886907	2013	2013 MN886907 China	Illumina	1	I	1K1
112	SD	Female	90	MN886875	2014	2014 MN886875 China	Illumina	1	V	5C1
113	DF	Male	60	MN886876	2014	2014 MN886876 China	Illumina	1	V	5C1
114	DF	Female	34	MN886908	2013	2013 MN886908 China	Illumina	1	V	5C1
115	DF	Female	37	MN886909	2013	2013 MN886909 China	Illumina	1	I	1K1
116	DF	Female	57	MN886910	2013	2013 MN886910 China	Illumina	1	I	1K1
117	DF	Male	39	MN886911	2013	2013 MN886911 China	Illumina	1	I	1K1
118	DF	Male	28	MN886912	2013	2013 MN886912 China	Illumina	1	I	1K1
119	DF	Female	27	MN886877	2014	2014 MN886877 China	Illumina	1	V	5C1
120	DF	Male	35	MN886824	2017	2017 MN886824 China	Illumina	1	I	1L1
121	SD	Female	70	MN886825	2017	2017 MN886825 China	Illumina	1	I	1L1
122	SD	Female	63	MN886826	2017	2017 MN886826 China	Illumina	1	I	1L1
123	SD	Male	76	MN886827	2017	2017 MN886827 China	Illumina	1	I	1L1

124	DF	Male	28	MN886828	2017	2017 MN886828 China	Illumina	1	I	1L1
125	DF	Male	76	MN886878	2014	2014 MN886878 China	Illumina	1	V	5C1
126	DF	Female	44	MN886829	2017	2017 MN886829 China	Illumina	1	I	1L1
127	DF	Male	67	MN886830	2017	2017 MN886830 China	Illumina	1	I	1L1
128	DF	Female	79	MN886831	2017	2017 MN886831 China	Illumina	1	I	1L1
129	SD	Female	84	MN886832	2017	2017 MN886832 China	Illumina	1	I	1L1
130	DF	Female	80	MN886833	2017	2017 MN886833 China	Illumina	1	I	1L1
131	DF	Female	71	MN886834	2017	2017 MN886834 China	Illumina	1	I	1L1
132	SD	Female	67	MN886835	2017	2017 MN886835 China	Illumina	1	I	1L1
133	SD	Male	70	MN886836	2017	2017 MN886836 China	Illumina	1	I	1L1
134	DF	Male	71	MN886837	2017	2017 MN886837 China	Illumina	1	I	1L1
135	DF	Male	90	MN886838	2017	2017 MN886838 China	Illumina	1	I	1L1
136	SD	Male	30	MN886839	2017	2017 MN886839 China	Illumina	1	I	1E1
137	DF	Male	34	MN886913	2013	2013 MN886913 China	Illumina	1	I	1K1
138	DF	Female	74	MN886840	2017	2017 MN886840 China	Illumina	1	I	1L1
139	DF	Male	66	MN886841	2017	2017 MN886841 China	Illumina	1	I	1L1
140	SD	Female	55	MN886897	2014	2014 MN886897 China	Illumina	1	I	1K1
141	SD	Female	70	MN886842	2017	2017 MN886842 China	Illumina	1	I	1L1
142	DF	Male	63	MN886898	2014	2014 MN886898 China	Illumina	1	I	1K1
143	DF	Male	22	MN886899	2014	2014 MN886899 China	Illumina	1	I	1K1
144	DF	Female	35	MN886915	2006	2006 MN886915 China	Illumina	1	I	1H4
145	DF	Male	42	MN886916	2006	2006 MN886916 China	Illumina	1	I	1E1
146	DF	Male	41	MN886917	2006	2006 MN886917 China	Illumina	1	I	1E1
147	SD	Female	70	MN886914	2013	2013 MN886914 China	Illumina	1	I	1H4
148	DF	Male	56	MN886918	2006	2006 MN886918 China	Illumina	1	I	1E1
149	DF	Female	44	MN886919	2006	2006 MN886919 China	Illumina	1	I	1E1
150	DF	Female	47	MN886920	2006	2006 MN886920 China	Illumina	1	I	1E1
151	DF	Male	43	MN886921	2006	2006 MN886921 China	Illumina	1	I	1E1
152	DF	Male	24	MN886922	2006	2006 MN886922 China	Illumina	1	I	1E1
153	DF	Female	22	MN886923	2006	2006 MN886923 China	Illumina	1	I	1E1
154	DF	Female	32	MN886924	2006	2006 MN886924 China	Illumina	1	I	1H4
155	DF	Male	56	MW261824	2019	2019 MW261824 China	Illumina	1	I	1L1
156	DF	Male	20	MW261844	2019	2019 MW261844 China	Illumina	1	I	1E1
157	DF	Male	22	MW261845	2019	2019 MW261845 China	Illumina	1	I	1E1
158	DF	Female	56	MW261825	2019	2019 MW261825 China	Illumina	1	I	1L1
159	DF	Male	86	MW261826	2019	2019 MW261826 China	Illumina	1	I	1L1
160	DF	Male	23	MW261846	2019	2019 MW261846 China	Illumina	1	I	1E1
161	DF	Female	73	MW261827	2019	2019 MW261827 China	Illumina	1	I	1L1
162	DF	Male	49	MW261828	2019	2019 MW261828 China	Illumina	1	I	1L1
163	DF	Male	30	MW261847	2019	2019 MW261847 China	Illumina	1	I	1E1
164	DF	Male	62	MW261829	2019	2019 MW261829 China	Illumina	1	I	1E1
165	DF	Male	45	MW261830	2019	2019 MW261830 China	Illumina	1	I	1E1
166	DF	Male	50	MW261831	2019	2019 MW261831 China	Illumina	1	I	1E1
167	DF	Female	37	MW261832	2019	2019 MW261832 China	Illumina	1	V	5C1
168	DF	Male	27	MW261833	2019	2019 MW261833 China	Illumina	1	I	1E1
169	DF	Male	56	MW261834	2019	2019 MW261834 China	Illumina	1	I	1E1

170	DF	Female	46	MW261835	2019	2019 MW261835 China	Illumina	1	I	1E1
171	DF	Male	34	MW261836	2019	2019 MW261836 China	Illumina	1	IV	4C3
172	DF	Male	31	MW261837	2019	2019 MW261837 China	Illumina	1	I	1L1
173	SD	Male	44	MW261838	2019	2019 MW261838 China	Illumina	1	I	1E1
174	SD	Female	86	MW261839	2019	2019 MW261839 China	Illumina	1	I	1E1
175	SD	Male	40	MW261848	2019	2019 MW261848 China	Illumina	1	I	1E1
176	SD	Male	60	MW261840	2019	2019 MW261840 China	Illumina	1	I	1J7
177	DF	Male	62	MW261841	2019	2019 MW261841 China	Illumina	1	I	1E1
178	DF	Male	37	MW261842	2019	2019 MW261842 China	Illumina	1	I	1E1
179	DF	Male	20	MW261843	2019	2019 MW261843 China	Illumina	1	I	1E1

* DF = Dengue fever, SD = Severe dengue

** 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.