

Additional file 3. Cq-value comparison between the test methods and reference method

Sample nr.	Days after symptom onset*	DENV1	CDC DENV-1	DENV2	CDC DENV-2	DENV3	CDC DENV-3	DENV4	CDC DENV-4
		Test method	Reference method	Test method	Reference method	Test method	Reference method	Test method	Reference method
1	4	nd	nd	nd	nd	nd	nd	26.8	27.8
2	6	30.2	32.6	nd	nd	nd	nd	nd	nd
3	5	30.0	31.6	nd	nd	nd	nd	nd	nd
4	6	33.9	38.7	nd	nd	nd	nd	nd	nd
5	7	nd	nd	37.2	nd	nd	nd	nd	nd
6	3	18.9	21.2	nd	nd	nd	nd	nd	nd
7	6	nd	nd	34.9	nd	nd	nd	nd	nd
8	5	30.1	35.6	nd	nd	nd	nd	nd	nd
9	9	nd	nd	nd	nd	nd	nd	nd	nd
10	4	21.5	22.0	nd	nd	nd	nd	nd	nd
11	5	nd	nd	nd	nd	nd	nd	30.0	30.7
12	9	28.5	32.9	nd	nd	nd	nd	nd	nd
13	6	30.7	34.1	nd	nd	nd	nd	nd	nd
14	5	nd	nd	33.4	38.0	nd	nd	nd	nd
15	3	26.9	29.9	nd	nd	nd	nd	nd	nd
16	8	nd	nd	nd	nd	nd	nd	nd	nd
17	7	32.7	38.6	nd	nd	nd	nd	nd	nd
18	8	34.7	37.6	nd	nd	nd	nd	nd	nd
19	4	nd	nd	nd	nd	31.7	37.1	nd	nd
20	5	30.2	34.5	nd	nd	nd	nd	nd	nd
21	4	22.7	24.0	nd	nd	nd	nd	nd	nd
22	6	29.7	36.8	nd	nd	nd	nd	nd	nd
23	7	nd	nd	nd	nd	36.0	nd	nd	nd
24	7	nd	nd	33.3	34.6	nd	nd	nd	nd
25	8	34.4	37.1	nd	nd	nd	nd	nd	nd
26	7	30.2	33.1	nd	nd	nd	nd	nd	nd
27	4	22.9	26.7	nd	nd	nd	nd	nd	nd
28	6	29.7	35.0	nd	nd	nd	nd	nd	nd
29	4	23.3	26.9	nd	nd	nd	nd	nd	nd
30	6	29.0	32.3	nd	nd	nd	nd	nd	nd
31	7	nd	nd	nd	nd	31.9	31.9	nd	nd
32	4	21.3	21.0	nd	nd	nd	nd	nd	nd
33	4	nd	nd	nd	nd	21.0	28.0	nd	nd
34	9	26.9	29.6	nd	nd	nd	nd	nd	nd
35	4	nd	nd	31.9	32.4	nd	nd	nd	nd
36	6	nd	nd	26.6	28.2	nd	nd	nd	nd
37	3	nd	nd	nd	nd	33.0	28.4	nd	nd
38	5	24.2	30.8	nd	nd	nd	nd	nd	nd
39	8	35	36.2	nd	nd	nd	nd	nd	nd
40	3	nd	nd	nd	nd	17.5	20.0	nd	nd
41	7	28.4	32.3	nd	nd	nd	nd	nd	nd
42	1	nd	nd	11.4	17.9	nd	nd	nd	nd
43	4	33.9	37.0	nd	nd	nd	nd	nd	nd
44	7	38.3	nd	nd	nd	nd	nd	nd	nd
45	6	34.4	39.3	nd	nd	nd	nd	nd	nd
46	2	16.8	19.5	nd	nd	nd	nd	nd	nd
47	3	nd	nd	nd	nd	17.8	16.0	nd	nd
48	n/a	31.7	32.2	nd	nd	nd	nd	nd	nd
49	8	33.9	34.3	nd	nd	nd	nd	nd	nd
50	n/a	29.3	36.6	nd	nd	nd	nd	nd	nd
51	3	nd	nd	nd	nd	23.1	24.3	nd	nd
52	3	19.5	22.2	nd	nd	nd	nd	nd	nd
53	n/a	nd	nd	nd	nd	nd	nd	28.4	30.0
54	5	nd	nd	31.9	36.9	nd	nd	nd	nd
55	n/a	nd	nd	24.9	28.4	nd	nd	nd	nd

56	5	nd	nd	nd	nd	nd	nd	25.9	25.9
57	4	nd	nd	37.9	nd	nd	nd	nd	nd
58	n/a	29.8	34.0	nd	nd	nd	nd	nd	nd
59	5	32.6	36.6	nd	nd	nd	nd	nd	nd
60	1	nd	nd	nd	nd	nd	nd	25.0	26.8
61	5	nd	nd	nd	nd	nd	nd	30.5	39.1
62	n/a	24.7	26.1	nd	nd	nd	nd	nd	nd
63	n/a	23.3	26.2	nd	nd	nd	nd	nd	nd
64	4	nd	nd	24.8	23.3	nd	nd	nd	nd
65	6	28.4	32.7	nd	nd	nd	nd	nd	nd
66	4	22.3	25.4	nd	nd	nd	nd	nd	nd
67	3	18.9	22.3	nd	nd	nd	nd	nd	nd
68	6	nd	nd	nd	nd	nd	nd	28.5	29.8
69	1	nd	nd	20.0	30.8	nd	nd	nd	nd
70	4	28.7	31.7	nd	nd	nd	nd	nd	nd
71	5	31.2	34.2	nd	nd	nd	nd	nd	nd
72	3	nd	nd	21.4	25.7	nd	nd	nd	nd
73	6	nd	nd	36.1	nd	nd	nd	nd	nd
74	n/a	24.0	25.1	nd	nd	nd	nd	nd	nd
75	5	33.7	36.9	nd	nd	nd	nd	nd	nd
76	n/a	17.2	20.2	nd	nd	nd	nd	nd	nd
77	n/a	nd	nd	31.3	36.8	nd	nd	nd	nd
78	9	nd	nd	34.8	39.4	nd	nd	nd	nd
79	2	nd	nd	nd	nd	15.0	16.1	nd	nd
80	n/a	26.9	30.2	nd	nd	nd	nd	nd	nd
81	n/a	25.0	25.4	nd	nd	nd	nd	nd	nd
82	n/a	nd	nd	15.1	19.6	nd	nd	nd	nd
83	5	28.5	29.4	nd	nd	nd	nd	nd	nd
84	5	26.7	29.1	nd	nd	nd	nd	nd	nd
85	1	nd	nd	14.9	20.1	nd	nd	nd	nd

Grey boxes represent samples that tested positive in the individual assays: for the DENV1, DENV2, DENV3, DENV4 assays samples with a Cq value < 40 and for the CDC DENV-1-4 assays Cq value < 37 (according to the manufacturer's instructions). Orange boxes represent samples that were classified as negative in the CDC DENV-1-4 assays but had Cq values < 40. Red boxes represent samples which tested positive in the DENV1, DENV2, DENV3, or the DENV4 assay but for which no amplification was recorded in the CDC DENV-1-4 assays.

nd = not detected
n/a = not available