

SUPPLEMENTAL TABLE 1

Comparison of the LAMP test results targeting the 18S rRNA gene from DNAs retrieved from sandflies and direct smears

ID	Type of sample	Microscopy result	qPCR result	Ct (average)	LAMP result
1	Smear	Negative	Negative	ND	Negative
2	Smear	Positive	Positive	29.92	Positive
3	Smear	Positive	Positive	29.2	Positive
4	Smear	Positive	Positive	30.89	Positive
5	Smear	Negative	Negative	ND	Negative
6	Smear	Positive	Positive	25.47	Positive
7	Smear	Positive	Positive	29.62	Positive
8	Smear	Positive	Positive	27.35	Positive
9	Smear	Negative	Negative	ND	Negative
10	Smear	Positive	Positive	29.4	Positive
11	Smear	Positive	Positive	29.14	Positive
12	Smear	Negative	Negative	ND	Negative
13	Smear	Positive	Positive	26.56	Positive
14	Smear	Negative	Negative	ND	Negative
15	Smear	Negative	Negative	ND	Negative
16	Smear	Positive	Positive	29.4	Positive
17	Smear	Positive	Positive	30.54	Positive
18	Smear	Positive	Positive	27.29	Positive
19	Smear	Negative	Positive	30.62	Positive
20	Smear	Positive	Positive	30.03	Positive
21	Smear	Positive	Positive	29.85	Positive
22	Smear	Positive	Positive	28.11	Positive
23	Smear	Negative	Negative	ND	Negative
24	Smear	Positive	Positive	29.23	Positive
25	Smear	Positive	Positive	30.79	Positive
26	Smear	Negative	Positive	29.07	Positive
27	Smear	Positive	Positive	27.25	Positive
28	Smear	Positive	Positive	29.33	Positive
29	Smear	Positive	Positive	26.48	Positive
30	Smear	Negative	Negative	ND	Negative
31	Smear	Positive	Positive	29.27	Positive
32	Smear	Positive	Positive	30.47	Positive
33	Smear	Positive	Positive	27.42	Positive
34	Smear	Positive	Positive	26.07	Positive
35	Smear	Negative	Negative	ND	Negative
36	Smear	Positive	Positive	29.89	Positive
37	Smear	Positive	Positive	29.27	Positive
38	Smear	Positive	Positive	30.03	Positive
39	Smear	Negative	Positive	29.7	Positive
40	Smear	Positive	Positive	25.28	Positive
41	Smear	Negative	Negative	ND	Negative
42	Smear	Positive	Positive	30.43	Positive
43	Smear	Positive	Positive	28.37	Positive
44	Smear	Positive	Positive	29.62	Positive
45	Smear	Positive	Positive	29.35	Positive
46	Smear	Negative	Negative	ND	Positive
47	Smear	Positive	Positive	29.4	Positive
48	Smear	Positive	Positive	29.14	Positive
49	Smear	Positive	Positive	27.45	Positive
50	Smear	Positive	Positive	28.65	Positive
51	<i>Psychodopygus panamensis</i>	NA	Positive	19.61	Positive
52	<i>P. panamensis</i>	NA	Positive	21.01	Positive
53	<i>P. panamensis</i>	NA	Positive	23.73	Positive
54	<i>P. panamensis</i>	NA	Negative	ND	Negative
55	<i>P. panamensis</i>	NA	Positive	25.79	Positive
56	<i>P. panamensis</i>	NA	Negative	ND	Negative
57	<i>P. panamensis</i>	NA	Negative	ND	Negative
58	<i>P. panamensis</i>	NA	Positive	22.3	Positive
59	<i>P. panamensis</i>	NA	Positive	20.87	Positive
60	<i>P. panamensis</i>	NA	Positive	25.33	Positive
61	<i>P. panamensis</i>	NA	Positive	26.4	Positive
62	<i>P. panamensis</i>	NA	Negative	ND	Negative
63	<i>P. panamensis</i>	NA	Positive	18.57	Positive
64	<i>P. panamensis</i>	NA	Positive	23.73	Positive
65	<i>P. panamensis</i>	NA	Negative	ND	Negative
66	<i>P. panamensis</i>	NA	Negative	ND	Negative
67	<i>P. panamensis</i>	NA	Negative	ND	Negative
68	<i>P. panamensis</i>	NA	Positive	28.33	Positive
69	<i>P. panamensis</i>	NA	Positive	20.28	Positive

(continued)

SUPPLEMENTAL TABLE 1

Continued

ID	Type of sample	Microscopy result	qPCR result	Ct (average)	LAMP result
70	<i>P. panamensis</i>	NA	Positive	18.35	Positive
71	<i>P. panamensis</i>	NA	Positive	16.03	Positive
72	<i>P. panamensis</i>	NA	Positive	19.39	Positive
73	<i>P. panamensis</i>	NA	Positive	25.01	Positive
74	<i>P. panamensis</i>	NA	Positive	26.4	Positive
75	<i>P. panamensis</i>	NA	Negative	ND	Negative
76	<i>P. panamensis</i>	NA	Negative	ND	Negative
77	<i>P. panamensis</i>	NA	Negative	ND	Negative
78	<i>P. panamensis</i>	NA	Positive	22.98	Positive
79	<i>P. panamensis</i>	NA	Positive	17.23	Positive
80	<i>P. panamensis</i>	NA	Positive	24.99	Positive
81	<i>Micropygomyia cayennensis</i>	NA	Negative	ND	Negative
82	<i>M. cayennensis</i>	NA	Negative	ND	Negative
83	<i>M. cayennensis</i>	NA	Negative	ND	Negative
84	<i>M. cayennensis</i>	NA	Negative	ND	Negative
85	<i>M. cayennensis</i>	NA	Negative	ND	Negative
86	<i>M. cayennensis</i>	NA	Negative	ND	Negative
87	<i>M. cayennensis</i>	NA	Negative	ND	Negative
88	<i>M. cayennensis</i>	NA	Negative	ND	Negative
89	<i>M. cayennensis</i>	NA	Negative	ND	Negative
90	<i>M. cayennensis</i>	NA	Negative	ND	Negative
91	<i>M. cayennensis</i>	NA	Negative	ND	Negative
92	<i>M. cayennensis</i>	NA	Negative	ND	Negative
93	<i>Lutzomyia gomezi</i>	NA	Negative	ND	Negative
94	<i>L. gomezi</i>	NA	Negative	ND	Negative
95	<i>L. gomezi</i>	NA	Negative	ND	Negative
96	<i>L. gomezi</i>	NA	Negative	ND	Negative
97	<i>L. gomezi</i>	NA	Negative	ND	Negative
98	<i>L. gomezi</i>	NA	Negative	ND	Negative
99	<i>L. gomezi</i>	NA	Negative	ND	Negative
100	<i>L. gomezi</i>	NA	Negative	ND	Negative

Ct = cycle of threshold; LAMP = loop-mediated isothermal amplification; NA = not applied; ND = not detectable; qPCR = real-time polymerase chain reaction.