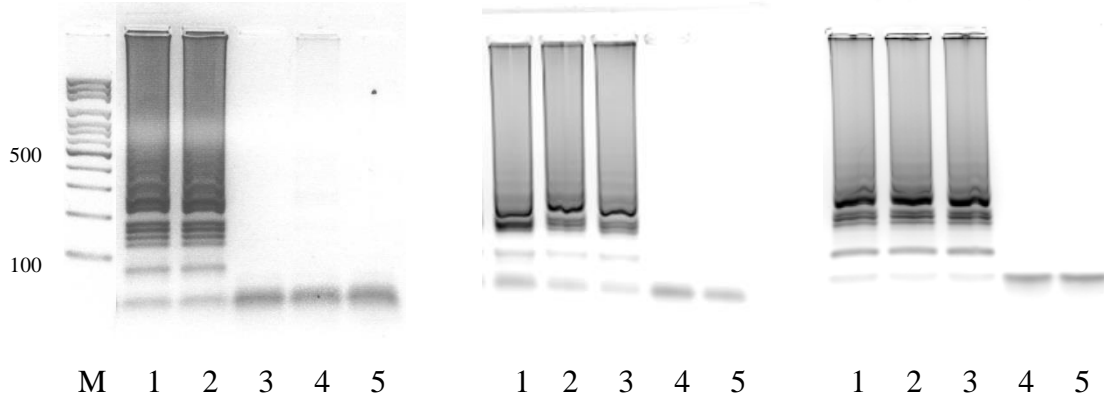


1 **Supplementary Figures**

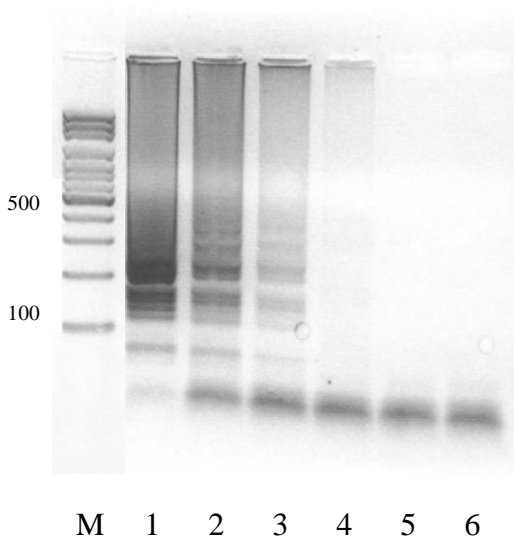
2 **S1.** LAMP results for the serial dilutions of pL32 plasmid with primer set L32-1 (A), L32-3 (B),
3 L32-5 (C). Reaction mixtures were incubated at 63°C for 60 min. Marker, 100 bp ladder; Lane 1
4 to 5, reaction mixture containing 100, 50, 25, 12 and no copies of plasmid DNA.

5 A. 100 50 25 12 0 B. 100 50 25 12 0 C. 100 50 25 12 0 cp/rxn



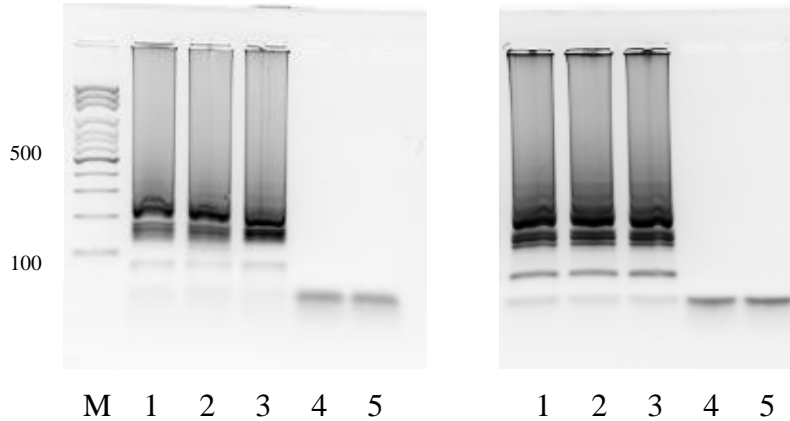
10 **S2.** LAMP results for the serial dilutions of pL41 plasmid with primer set L41. Reaction
11 mixtures were incubated at 63°C for 60 min. Marker, 100 bp ladder; Lane 1 to 6, reaction
12 mixture containing 200, 100, 50, 25, 12 and no copies of plasmid DNA.

13 200 100 50 25 12 0 cp/rxn



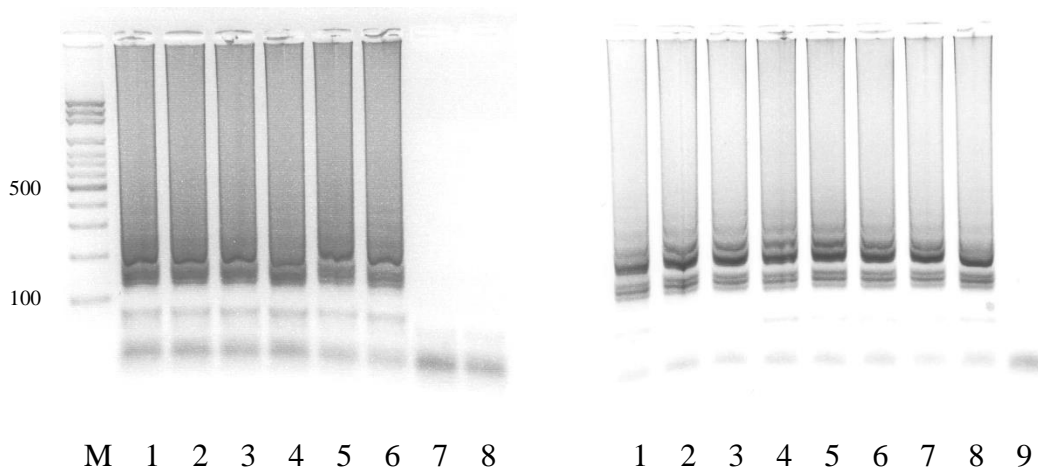
17 **S3.** LAMP results for the serial dilutions of *L. interrogans* genomic DNA with primer set L32-3
 18 (A), L32-5 (B). Reaction mixtures were incubated at 63°C for 60 min. Marker, 100 bp ladder;
 19 Lane 1 to 5, reaction mixture containing 100, 50, 25, 12 and no copies of genomic DNA. The
 20 copy number of the original genomic DNA was determined by qPCR.

21 A. 100 50 25 12 0 B. 100 50 25 12 0 cp/rxn



25 **S4.** LAMP results for the serial dilutions of *L. interrogans* genomic DNA with combinations of
 26 primer set L41 and L32-3 (A), L41 and L32-5 (B). Reaction mixtures were incubated at 63°C for
 27 60 min. Marker, 100 bp ladder; Lane 1 to 9, reaction mixture containing 100, 100, 50, 50, 25, 25,
 28 12, 12 and no copies of genomic DNA.

29 A. 100 50 25 12 B. 100 50 25 12 0 cp/rxn



34	Table S1.	List of other primer sequences for LAMP primer sets targeting <i>lipL32</i>
35	L32-1-F3	TTTGGCTATCTCCGTTGC
36	L32-1-B3	CGATTACGGCAGGAATCC
37	L32-1-FIP	GATTGTGTCCTCGCTCAGAACAAAGCATTACCGCTTGTGG
38	L32-1-BIP	CCAGGGACAAACGAAACCGTAGGCTTTACGTATCCGTAATAGT
39	L32-1-LF	TTAGGCTTGGCAGACCAC
40	L32-1-LB	CGTTACTTCCCTACGGATCTG
41	L32-2-F3	GGATTCCTGCCGTAATCG
42	L32-2-B3	ATCGTCACCATCATCATCATC
43	L32-2-FIP	CGCTTACTAAGTCTCCGTCGCATGGGAGTTCGTATGATTTC
44	L32-2-BIP	GCGGCTACCCCAGAAGAAAAGCATAATCGCCGACATTCT
45	L32-2-LF	CTCACCGATTTCGCCTGT
46	L32-2-LB	TGCCACATTGGTTTGATACTTG
47	L32-3-F3	TTGGATTCCTGCCGTAATC
48	L32-3-B3	ATCGTCACCATCATCATCATC
49	L32-3-FIP	CGCTTACTAAGTCTCCGTCGCGCTGAAATGGGAGTTCGTAT
50	L32-3-BIP	GCGGCTACCCCAGAAGAAAAGCATAATCGCCGACATTCT
51	L32-3-LF	CTCACCGATTTCGCCTGT
52	L32-3-LB	TGCCACATTGGTTTGATACTTG
53	L32-4-F3	TCTCTATGTTTGGATTCTGC
54	L32-4-B3	ATCGTCACCATCATCATCATC
55	L32-4-FIP	CGCTTACTAAGTCTCCGTCGCCGTAATCGCTGAAATGGGA
56	L32-4-BIP	GCGGCTACCCCAGAAGAAAAGCATAATCGCCGACATTCT
57	L32-4-LF	CTCACCGATTTCGCCTGT
58	L32-4-LB	TGCCACATTGGTTTGATACTTG

59	L32-6-F3	CTGCCGTAATCGCTGAAA
60	L32-6-B3	ATCGTCACCATCATCATC
61	L32-6-FIP	CGCTTACTAAGTCTCCGTCGCTGGGAGTTCGTATGATTCC
62	L32-6-BIP	GCGGCTACCCCAGAAGAAAAGCATAATCGCCGACATTCT
63	L32-6-LF	CTCACCGATTTCGCCTGT
64	L32-6-LB	TGCCACATTGGTTTGATACTG