

Supplementary Materials:

Table S1. Primer sequences and modifications.

	Name	1 RxN Conc. (μ M)	Sequence (5' – 3')
IS900	F3	0.16	CGCAACGCCGATACCGT
	B3	0.16	CCCAGGATGACGCCGAA
	FIP	1.6	<u>CATCACCTCCTTGGCCAGGC</u> -CCGCTAACGCCCAACAC
	BIP	1.6	<u>GCGACACCGACGCGATGAT</u> -TCCGGGCATGCTCAGGA
	LF	0.8	AGTGGCCGCCAGTTGTTG
	LR	0.8	ACCGCCACGCCGAAATC
IS6110	F3	0.2	AGACCTCACCTATGTGTCGA
	B3	0.2	TCGCTGAACCGGATCGA
	FIP	1.6	<u>ATGGAGGTGGCCATCGTGGAAG</u> - CCTACGTGGCCTTTGTCAC
	BIP	1.6	<u>AAGCCATCTGGACCCGCCAA</u> -CCCCTATCGTATGGTGGAT
	LF	0.8	AGGATCCTGCGAGCGTAG
	LR	0.8	AAGAAGGCGTACTCGACCTG
RD4	F3	0.6	GCCGCTCCCAAAAATTACCA
	B3	0.6	GACGCTACTACGGCACGG
	FIP	3.6	AGGCCACTCCAAGAGTGTGCG- TGACGCCTTCCTAACCAGA
	BIP	3.6	GCGCGGGCGTACCGGATAT-GCGCCCCGTAGCGTTA
	LF	4.8	CTTCTGCACGACTACGGCT
	LR	4.8	AGCCATTTTTCAGCAATTTCTCAG

Underlining denotes nucleotide phosphorothioation.

RxN Conc.: Reaction concentration.

Table S2. Cost per Phage-LAMP reaction.

Component	Cost per RxN (\$)
LAMP MM	2.28
LAMP primers	0.17
Phage	5
MolYsis™ Basic 5	5
Total	12.45