

Table S1

Table S1: Primers, PCR cycling conditions, and references used for diagnostic PCR detection of endosymbionts, DNA quality control, and CO1 barcoding					
Target Symbiont or DNA	Gene	Primer name	Primer sequence 5' to 3'	References	PCR cycling conditions
<i>Rickettsia</i>	16S	RKlongF RKlong R	ACGTGGGAATCTACCCATCA TAGCCTAGATGACGCGCTTC	this study	95°C for 2 m, followed by 35 cycles consisting of 92°C for 30 s, 60°C for 30 s, and 72°C for 30 s
<i>Rickettsia</i>	16S	RICS741F RICT1197R	CATCCGGAGCTAATGGTTTGC CATTTCCTCCATTGTGCCATC	Davis et al. 1998	95°C for 2 m, followed by 35 cycles consisting of 92°C for 30 s, 60°C for 30 s, and 72°C for 30 s
<i>Wolbachia</i>	wsp	MFwspF MFwspR	TGGCTGGTGGTGGTGCCTTT CGTACTCCAGCTTCTGCACCA	this study	95°C for 2 m, followed by 35 cycles consisting of 92°C for 30 s, 66°C for 30 s, and 72°C for 30 s
<i>Wolbachia</i>	wsp	wsp81F wsp691R	TGGTCCATAAGTGATGAAGAACTAGCTA AAAAATTAAACGCTACTCCAGCTTCTGCAC	Zhou et al. 1998	95°C for 2 m, followed by 35 cycles consisting of 92°C for 30 s, 66°C for 30 s, and 72°C for 30 s
<i>Cardinium</i>	16S	ChF ChR	TACTGTAAGAATAAGCACCGGC GTGGATCACTTAACGCTTTTCG	Zchori-Fein and Perlman 2004	94°C for 3 m, followed by 40 cycles consisting of 94°C for 30 s, 56°C for 45 s, and 72°C for 1 m
<i>COI</i>	COI	lco1490 hco700	GGTCAACAAATCATAAAGATATTGG TCAGGGTGACCAAAAAATCA	Folmer et al. 1994	94°C for 3 m, followed by 35 cycles consisting of 94°C for 30 s, 53°C for 30 s, and 72°C for 1 m
Eukaryote	18S rDNA	NSF 18 NSF 19	CTGGTTGATYCTGCCAGT TCTCAGGCTCCYCTCCGG	Duron et al. 2008	94°C for 4 m, followed by 35 cycles consisting of 94°C for 1 m, 55°C for 1 m, and 72°C for 1 m

Table S1 References

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