

Table S1: Primer sequences and annealing temperatures used for PCR amplification

Target gene	Primer Name	Sequence (5'→3')	Reference	Amplicon length	Annealing temperature
<i>B. tabaci</i> mtCOI	MTCO10 MTCO12	TTGATTTTTTGGTCATCCAGAAAGT TCCAATGCACTAATCTGCCATATTA	Frohlich <i>et al.</i> , 1999	870 bp	50 °C
<i>Portiera</i> 16S rDNA	28F 1098R	TGCAAGTCGAGCGGCATCAT AAAGTTCCCGCCTTATGCGT	Zchori-Fien and Brown, 2002	1050 bp	58 °C
<i>Arsenophonus</i> 23S rDNA	Ars23S-1 Ars23S-2	CGTTTGATGAATTCATAGTCAAA GGTCCTCCAGTTAGTGTTACCCAAC	Chiel <i>et al.</i> , 2007	750 bp	58 °C
<i>Rickettsia</i> 16S rDNA	Rb-F Rb-R	GCTCAGAACGAACGCTATC GAAGGAAAGCATCTCTGC	Gottlieb <i>et al.</i> , 2006	960 bp	58 °C
<i>Wolbachia</i> 16S rDNA	Wol16S-F Wol16S-R	CGGGGGAAAAATTTATTGCT CCCCATCCCTTCGAATAGGTAT	Heddi <i>et al.</i> , 1999 This study	730 bp	58 °C
<i>Wolbachia</i> wsp gene	81F 471R	TGGTCCAATAAGTGATGAAGAAAC AAAAATTAAACGCTACTCCA	Zhou <i>et al.</i> , 1998	600 bp	53 °C
<i>Cardinium</i> 16S rDNA	Card-F Card-R	TAGACACACACGAAAGTTCATGT GCATGCAATCTACTTTACACTGG	This study	650 bp	57 °C
<i>Hamiltonella</i> 16S rDNA	Hb-F Hb-R	TGAGTAAAGTCTGGGAATCTGG AGTTCAAGACCGCAACCTC	Gueguen <i>et al.</i> , 2010	730 bp	58 °C
<i>Fritschea</i> 23S rDNA	Frit-F Frit-R	GAGTTTGATCATGGCTCAGATTG GCTCGCGTACCACTTTAAATGGCG	Gueguen <i>et al.</i> , 2010	630 bp	62 °C

Table S2: Multiple comparisons of mean infection incidence of symbionts: Tukey contrasts
(p values ≤ 0.05 , ≤ 0.01 , ≤ 0.001 represented as ‘*’, ‘**’, ‘***’, respectively)

<i>Arsenophonus</i>			
Comparison		z value	Pr(> z)
SSA1-SG1	SSA1-SG2	-0.483	0.9885
SSA1-SG1	SSA1-SG3	5.078	<0.001***
SSA1-SG1	SSA1-SG5	2.972	0.0237*
SSA1-SG1	SSA3	1.939	0.2900
SSA1-SG2	SSA1-SG3	4.270	<0.001***
SSA1-SG2	SSA1-SG5	2.793	0.0402*
SSA1-SG2	SSA3	2.030	0.2453
SSA1-SG3	SSA1-SG5	-1.637	0.4657
SSA1-SG3	SSA3	-1.949	0.2847
SSA1-SG5	SSA3	-0.555	0.9808

<i>Rickettsia</i>			
Comparison		z value	Pr(> z)
SSA1-SG1	SSA1-SG2	2.150	0.1586
SSA1-SG1	SSA1-SG3	5.279	<0.001***
SSA1-SG1	SSA1-SG5	-0.015	1.0000
SSA1-SG1	SSA3	1.086	0.7748
SSA1-SG2	SSA1-SG3	3.210	0.0080**
SSA1-SG2	SSA1-SG5	-0.017	1.0000
SSA1-SG2	SSA3	-0.748	0.9303
SSA1-SG3	SSA1-SG5	-0.018	1.0000
SSA1-SG3	SSA3	-3.194	0.0086**
SSA1-SG5	SSA3	0.016	1.0000

<i>Wolbachia</i>			
Comparison		z value	Pr(> z)
SSA1-SG1	SSA1-SG2	3.083	0.01543*
SSA1-SG1	SSA1-SG3	-4.417	<0.001***
SSA1-SG1	SSA1-SG5	-1.163	0.75455
SSA1-SG1	SSA3	-0.659	0.96111
SSA1-SG2	SSA1-SG3	-4.605	<0.001***
SSA1-SG2	SSA1-SG5	-3.459	0.00420**
SSA1-SG2	SSA3	-3.224	0.00949**
SSA1-SG3	SSA1-SG5	2.791	0.03660*
SSA1-SG3	SSA3	2.666	0.05189
SSA1-SG5	SSA3	0.285	0.99839

Reference for supplementary material

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