

**Screening of spider mites (Acari: Tetranychidae) for reproductive endosymbionts reveals links
between co-infection and evolutionary history**

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Table S1. Primers used in this study

Organism	Gene	Product	Primer (5'-3')	Annealing temperature	Reference
<i>Wolbachia pipiens</i>	<i>wsp</i>	Outer surface protein	wspF1-GTCCAATARSTGATGARGAAAC	55°C	61
			wspR1-CYGCACCAAYAGYRCTRATAA		
	<i>gatB</i>	Glutamyl-tRNA(Gln) amidotransferase, subunit B	gatBF-GAKTTAAAYCGYGCAGGBGTT	54°C	61
			gatBR-TGGYAAAYTCRGGYAAAGATGA		
	<i>coxA</i>	Cytochromecoxidase, subunit I	coxAF-TTGGRGCRATYAACTTTATAG	55°C	61
			coxAR-CTAAAGACTTTKACRCCAGT		
	<i>hcpA</i>	Conserved hypothetical protein	hcpAF-GAAATARCAGTTGCTGCAAA	53°C	61
hcpAR-GAAAGTYRAGCAAGYTCTG					
<i>ftsZ</i>	Cell division protein	ftsZF-ATYATGGARCATATAAARGATAG	54°C	61	
		ftsZR-TCRAGYAATGGATTRGATAT			
<i>fbpA</i>	Fructose-bisphosphate aldolase	fbpAF-GCTGCTCCRCTTGGYWTGAT	59°C	61	
		fbpAR-CCRCCAGARAAAAYYACTATTC			
<i>Cardinium hertigii</i>	<i>16S rRNA</i>	16S ribosomal RNA	Ch-F-TACTGTAAGAATAAGCACCGGC	57°C	24
			Ch-R-GTGGATCACTTAACGCTTTTCG		
	<i>gyrB</i>	Gyrase B subunit	gyrB1F-CAAAGAYACCTATAARAT TTCTG	52°C	25
			gyrB1R-GTAACGTTGTACARAKACRGCAT		
<i>Spiroplasma sp.</i>	<i>16S rRNA</i>	16S ribosomal RNA	SpitsJ04-GCCAGAAGTCAGTGTCTAACCG	56°C	47
			SpitsN55-ATTCCAAGGCATCCACCATACG		
	<i>rpoB</i>	RNA Polymerase B	rpoBF3-GGNTTTATTGAAACACCATAYCGTC	55°C	62
			rpoBR2-GCATGTAATTTATCATCAACCATGTGTG		
<i>Rickettsia sp.</i>	<i>gltA</i>	Citrate synthase	RICS741F-CATCCGGAGCTAATGGTTTTGC	56°C	63
			RCIT1197R-CATTTCTTTCCATTGTGCCATC		

Spider mite	<i>COI</i>	Cytochromecoxidase, subunit I	COIF-TGATTTTTTGGTCACCCAGAAG COIR-TACAGCTCCTATAGATAAAAC	52°C	53
	<i>18S rRNA</i>	18S ribosomal RNA	18S1F-ACCGCGAATGGCTCATTAAATCAGTT 18S10R-ACAAAGGGCAGGGACGTAATCAA	56°C	64
	<i>28S rRNA</i>	28S ribosomal RNA	28v5'-AAGGTAGCCAAATGCCTCATC 28jj3'-AGTAGGGTAAACTAACCT	52°C	64
