

Symbiont species	Gene	Primer names	Forward primer (5' to 3')	Reverse primer (5' to 3')
<i>Hamiltonella defensa</i>	16S rRNA	10F - T419R	AGTTTGATCATGGCTCAGATTG	AAATGGTATTSGCATTATCG
<i>Regiella insecticola</i>	16S rRNA	10F - R443R	AGTTTGATCATGGCTCAGATTG	GGTAACGTCAATCGATAAGCA
<i>Serratia symbiotica</i>	16S rRNA	rRNA 16SA1 -16S.S2R	AGAGTTTGATCMTGGCTCAG	TTTGAGTTCCCGACTTTATCG
X-type	16S rRNA	10F - X420R	AGTTTGATCATGGCTCAGATTG	GCAAACTCTTTGCATTGCT
<i>Rickettsia</i> sp.	16S rRNA	rRNA 16SA1 -16S.Ri2R	AGAGTTTGATCMTGGCTCAG	TTTGAAAGCAATTCCGAGGT
<i>Spiroplasma</i> sp.	16S rRNA	rRNA 16SA1 -16S.SpR	AGAGTTTGATCMTGGCTCAG	ATCATCAACCCTGCCTTTGG
<i>Rickettsiella</i> sp.	16S rRNA	RCL16S-211F - RCL16S-470R	GGGCCTTGCGCTCTAGGT	TGGGTACCGTCACAGTAATCGA

Additional File 1. Diagnostic symbiont species-specific primer sequences