

Clavé et al. Physiological costs of facultative endosymbionts in aphids assessed from energy metabolism. *Functional Ecology*.

Table S1 List of primers used in the study for diagnostic PCRs and quantitative RT-PCR analyses.

Organism	Primer	Sequence (5'->3')	Size (bp)	Method	Ref
<i>B. aphidicola</i>	Buch270-F	AGAGTTTGATCMTGGCTCAG	270	PCR	(Tsuchida, Koga, Shibao, Matsumoto, & Fukatsu, 2002)
	Buch270-R	TGCCTTGTAGGCTATTACTC			
<i>H. defensa</i>	Buch270-F	AGAGTTTGATCMTGGCTCAG	480	PCR	
	PABS480-R	GGTATTTCGCATTTATCGCTTC			
<i>R. insecticola</i>	Buch270-F	AGAGTTTGATCMTGGCTCAG	840	PCR	
	PAUS16S-R	TCGGACGCCATAACACTAGG			
<i>R. insecticola</i>	RegEFTu-F	CGTGGAACCAAACGTGAAGAG	209	RT-PCR	(Cariou et al., 2018)
	RegEFTu-R	TTTCAACCCCTTCTGGCAAC			
<i>H. defensa</i>	GyrBT-484F	TTCCTGAAATCCATCGTTCC	201	RT-PCR	
	GyrBT-685F	CAAACGCAACGATCAAGAAA			
<i>A. pisum</i>	Ap-CtpL-F	TACGAATCCGGCGAAGAAAC	180	RT-PCR	
	Ap-CtpL-R	ATCACCACCAGCCAAACTGG			