

TABLE S2 | Primers used to amplify genes *16S*, *RAG1*, and *RAG2* of members of the *Rhoadsia* clade.

Gene	Primer name	Forward/Reverse	Sequence	primer size(bp)	fragment size (bp)	PCR step	Annealing T (Celcius)	Reference
RAG1	2510F	Forward	TGGCCATCCGGGTMAACAC	19	-	1stPCR	52	Li & Ortí, 2007
RAG1	4090R	Reverse	CTGAGTCCTGTGAGCTTCCATRAAYTT	28	-	1stPCR	52	Lopez et al, 2004
RAG1	Rag1CF5	Forward	CAGCTCTTGGAAACATAGGCATCA	23	~1264	2ndPCR	50	Oliveira et al., 2011
RAG1	Rag1CR5	Reverse	CATGGGCCAGTGTCTTGTGGAGGT	24	~1264	2ndPCR	50	Oliveira et al., 2011
RAG2	164F	Forward	AGCTCAAGCTGCGYGCCAT	19	-	1stPCR	52	Oliveira et al., 2011
RAG2	RAG2-R6	Reverse	TGRTCCARGCAGAAGTACTTG	21	-	1stPCR	52	Oliveira et al., 2011
RAG2	RAG23	Forward	TCATTCATGGTGGCCGAACA	20	~919	2ndPCR	50	This study
RAG2	RAG22	Reverse	CGCTGCTGAACATCCATCTCA	20	~919	2ndPCR	50	This study
16S	16Sa-L	Forward	ACGCCTGTTATCAAAAACAT	21	590	-	50	Palumbi, 1996
16S	16Sb-H	Reverse	CCGGTCTGAACCTCAGATCACGT	22	590	-	50	Palumbi, 1996



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