

SUPPORTING INFORMATION

Elliptochloris, not *Coccomyxa*, is the photobiont of three lichenized *Multiclavula* species collected in Japan

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Appendix S1. Primers used in PCR and sequencing reactions in this study.

Locus amplified	Primer name	Primer sequences (5'-3')	Type	References
Nuclear small subunit ribosomal DNA (18S rDNA)	EAF3	TCGACAATCTGGTTGATCCTGCCAG	PCR, sequencing	Marin et al. (2003)
	E528F	TGCCAGCAGCYGCGGTAATTCCAGC	Sequencing	Marin et al. (2003)
	NS1680schizF	ATTAAGAGGGACAGTCGGGGGC	Sequencing	Muggia et al. (2011)
	ITS1T-fw-Elliptochloris	GGGTAATCTTGCAAACCGCATC	Sequencing	This study
	536R	GWATTACCGCGGCKGCTG	Sequencing	Marin et al. (2003)
	N920R	TTCCGTCAATTCCTTTRAGTTTC	Sequencing	Darienko et al. (2019)
	BR	TTGATCCTTCTGCAGGTTACCTAC	Sequencing	Marin et al. (1998)
	ITS055R	CTCCTTGGTCCGTGTTTCAAGACGGG	PCR, sequencing	Marin et al. (1998)
Internal transcribed spacer 2 (ITS2)	ITS3	GCATCGATGAAGAACGCAGC	PCR, sequencing	White et al. (1990)
	ITS055R	CTCCTTGGTCCGTGTTTCAAGACGGG	PCR, sequencing	Marin et al. (1998)
ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit gene (<i>rbcL</i>)	rbcL-GA1F	ATGGCTCCACAACTGAAAC	PCR, sequencing	This study
	rbcL-EL564F	TCYGCNAAAACTATGGTCGTGC	Sequencing	This study
	rbcL-GA1313R	ATCACATCACCACCTTCACGAGC	PCR, sequencing	This study

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