

Complete sequences of the mitochondrial DNA of the *Grateloupia filicina* (Rhodophyta)

Publons ID	20523296
Wos ID	WOS:000438695900034
Doi	10.1080/23802359.2017.1419097
Title	Complete sequences of the mitochondrial DNA of the <i>Grateloupia filicina</i> (Rhodophyta)
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Publish Date	2018
Journal Name	MITOCHONDRIAL DNA PART B-RESOURCES
Citation	4
Abstract	In this study, we sequenced and analyzed the complete mitogenome of <i>Grateloupia filicina</i> (Lamouroux) C. Agardh. The complete <i>G. filicina</i> mitogenome was 29,274-bp long, containing 51 genes, including 24 protein-coding genes, 1 intron, 2 rRNA genes, 24 tRNA genes, and 1 unidentified open reading frame. Twenty-one of the 24 (87.5%) protein-coding genes ended with the stop codon TM, whereas 3 (12.5%) ended with TAG. All the protein-coding genes in <i>G. filicina</i> used the start codon ATG. Phylogenetic analysis revealed that <i>G. filicina</i> clustered with <i>G. taiwanensis</i> . The complete mitochondrial genome sequence provided here would be useful for understanding the evolution of <i>Grateloupia</i> further.
Publish Type	Journal
Publish Year	2018
Page Begin	76
Page End	77
Issn	
Eissn	2380-2359
Url	https://www.webofscience.com/wos/woscc/full-record/WOS:000438695900034
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