The complete mitochondrial genome of the economic red alga, *Gracilaria chilensis*

Publons ID	20523303
Wos ID	WOS:000423158500151
Doi	10.1080/23802359.2017.1390416
Title	The complete mitochondrial genome of the economic red alga, *Gracilaria chilensis*
First Author	
Last Author	
Authors	Liu, N; Wang, GL; Li, Y; Zhang, L; Meinita, MDN; Chen, WZ; Liu, T; Chi, S;
Publish Date	2017
Journal Name	MITOCHONDRIAL DNA PART B-RESOURCES
Citation	2
Abstract	Gracilaria chilensis is an economically important marine alga. In this study, we obtained complete mitogenome of G. chilensis by high-throughput sequencing, which was mapped as a circular molecule of 26,897 bp with 27.56% GC content and was identified 53 genes, including 25 protein-coding genes, 2 rRNA genes, 26 tRNA genes, and 1 group II intron inserted into the trnI gene. In addition, a 162-bp stable stem loop was found in intergenic regions, which was most likely associated with DNA transcription and replication. The Bayesian phylogenetic tree of Gracilariaceae revealed that G. chilensis and G. salicornia and G. changii shared a closer relationship than G. vermiculophylla in the genus Gracilaria.
Publish Type	Journal
Publish Year	2017
Page Begin	716
Page End	717
Issn	2380-2359
Eissn	
Url	https://www.webofscience.com/wos/woscc/full-record/WOS:000423158500151
Author	Prof. Dr MARIA DYAH NUR MEINITA, S.Pi