

## Complete sequence of mitochondrial DNA of *Gracilaria edulis* (Rhodophyta)

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| <b>Abstract</b>     | <p>Herein, the complete <i>Gracilaria edulis</i> mitogenome was determined and analysed. The complete <i>G. edulis</i> mitogenome length was 25,708 bp. The mitogenome contains 50 genes, including 24 protein-coding, two rRNA, and 23 tRNA genes and one unidentified open reading frame (ORF). Of the 24 protein-coding genes, 23 (95.83%) ended with the TAA stop codon, and one (4.17%) with TAG (rpl20). All protein-coding genes in <i>G. edulis</i> were concluded to use the start codon ATG. Mitogenome phylogenetic analysis revealed that <i>G. edulis</i> clustered together with <i>G. changii</i> and <i>G. salicornia</i>. The complete mitogenome sequence provided herein would help understand <i>Gracilaria</i> evolution.</p> |
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