The complete chloroplast genome sequence of *Picrasma quassioides* (D. Don) Benn. 1844 (Simaroubaceae)

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**ABSTRACT**

*Picrasma quassioides* is a member of the Simaroubaceae family and is widely used as a medicinal plant. In this study, we sequenced and assembled the complete chloroplast genome of *P. quassioides*. The chloroplast genome is 160,015 bp in length, with a large single-copy region of 87,136 bp, a small single-copy region of 18,069 bp, and a pair of inverted repeat regions of 27,405 bp. It contains a total of 110 unique genes, including 77 protein-coding genes, 29 tRNA genes, and 4 rRNA genes. Phylogenetic analysis showed that *P. quassioides* clustered well with Simaroubaceae plants, *Eurycoma longifolia*, *Leitneria floridana*, and *Ailanthus latisimius*.

**KEYWORDS:** *Picrasma quassioides*; chloroplast genome; Simaroubaceae; phylogeny

**ARTICLE HISTORY**

Received 14 September 2021
Accepted 4 June 2022

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**ARTICLE INFORMATION**

MITOCHONDRIAL DNA PART B

2022, VOL. 7, NO. 6, 1114–1116

https://doi.org/10.1080/23802359.2022.2087545
bootstrap support (100%). This result supports the fact that all those four species belong to the Simaroubaceae family.

Ethics approval and consent to participate

The data collection of plants was carried out with permission of related institution, and complied with national or international guidelines and legislation.

Author contributions

R.C. involved in the conception and design; Q.L., X.G., H.H., and Y.G. performed data analysis and interpretation; Q.L., H.Z., H.H, and Y.Z. drafted the manuscript; Q.L. and R.C reviewed the manuscript. All authors have read and agreed to the final approval of the version to be published. All authors have agreed to be accountable for all aspects of the work.

Disclosure statement

No potential conflict of interest was reported by the authors.

Data availability statement

The data that support the findings of this study are openly available in GenBank of NCBI at https://www.ncbi.nlm.nih.gov, under the accession number MZ902043. The associated BioProject, SRA, and BioSample numbers are PRJNA762200, SRR15839410, and SAMN21380154, respectively.

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