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Research Article

Genetic diversity and relationship of mango and its wild relatives (*Mangifera* spp.) based on morphological and molecular markers¹

Dindin Hidayatul Mursyidin²

ABSTRACT

Mango and its wild relatives (*Mangifera* spp.) are essential for future mango breeding, including preservation programs, because they provide many beneficial genes (agronomic traits), particularly those related to resistance to biotic and abiotic stressors. However, there is a limited understanding of the genetic diversity and relationships of this germplasm. This study aimed to determine the diversity and relationship between endemic mango and its wild relatives (*Mangifera* spp.) from Brazil, Indonesia, and India.

RESUMO

Diversidade genética e relação entre a manga e seus parentes silvestres (*Mangifera* spp.) com base em marcadores morfológicos e moleculares

A manga e seus parentes silvestres (*Mangifera* spp.) são essenciais para o futuro melhoramento da fruta, incluindo programas de preservação, pois fornecem muitos genes benéficos (características agrônômicas), particularmente aqueles relacionados à resistência a estressores bióticos e abióticos. No entanto, há uma compreensão limitada da diversidade genética e das relações desse germoplasma.

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Abstract

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