



## Genetic diversity in wild species of passion fruit (*Passiflora trintae*) based on molecular markers

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Genet. Mol. Res. 9 (4): 2123-2130 (2010)

Received April 13, 2010

Accepted August 2, 2010

Published October 26, 2010

DOI 10.4238/vol9-4gmr875

**ABSTRACT.** In spite of the importance of and the considerable variability observed in *Passiflora* (Passifloraceae), little is known about the genetic diversity of most of the species of this genus. We evaluated the genetic diversity by RAPD markers in 18 genotypes of *Passiflora trintae*. The 15 primers generated 112 markers, 84% of which were polymorphic. The genetic distance estimated by the complement of the Dice index (average dissimilarity = 0.30) and genotype grouping based on the UPGMA algorithm showed low variability among genotypes. More attention should be given to

the study and conservation of the biodiversity of this economically important genus.

**Key words:** Coefficient of similarity; Conservation; Genetic breeding; Genetic variability; Grouping analyses; Molecular marker