

Crossbreeding of *Phyllostachys* species (Poaceae) and identification of their hybrids using ISSR markers

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Genet. Mol. Res. 9 (3): 1398-1404 (2010)

Received March 19, 2010

Accepted May 20, 2010

Published July 20, 2010

DOI 10.4238/vol9-3gmr855

ABSTRACT. Crossbreeding is an efficient means to increase production and quality in plants; however, hybridization is seldom reported in bamboo. We crossbred two bamboo species *Phyllostachys kwangsiensis* (female parent) and *Phyllostachys bambusoides* (male parent) for the first time, and obtained suspected bamboo hybrids. We identified two bamboo hybrids from the above parents using PCR/ISSR. We concluded that ISSR markers are useful to identify bamboo hybrids, and that breeding between bamboo species is possible and useful.

Key words: Crossbreeding; Suspected hybrid; Bamboo; ISSR; Hybrid identification