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Molecular Phylogenetic of genus *Kalopanax* based on ISSR

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The genus *Kalopanax pictus* is a long-lived woody species primarily distributed throughout East Asia. The genus is consisted of about four varieties distributed in Korea. They are extensively cultivated as medicinal plants for wind-damp impediment pain, limp legs, aching lumbus and knees, and puffy swelling of the legs. Molecular authentication and genetic polymorphism of four Korean *K. pictus* taxa were investigated using ISSR markers. *K. pictus* was shown the highest genetic diversity of four taxa. Genus *Kalopanax* is completely monophyletic. *K. pictus* (thornless) is as a sister group. *K. pictus* var. *magnificus* is distinguishable but only slightly different from that of the species in this clade. Species-specific markers may be useful in germ-plasm classification and evolutionary process.