

Isolation and characterization of 14 microsatellite markers for *Rhizophora mucronata* (Rhizophoraceae) and their potential use in range-wide population studies

Publons ID	6052029
Wos ID	WOS:000310027200031
Doi	10.1007/s12686-012-9681-y
Title	Isolation and characterization of 14 microsatellite markers for <i>Rhizophora mucronata</i> (Rhizophoraceae) and their potential use in range-wide population studies
First Author	Shinmura, Yoshimi; Wee, Alison K. S.; Takayama, Koji;
Last Author	Kajita, Tadashi
Authors	Shinmura, Y; Wee, AKS; Takayama, K; Meenakshisundaram, SH; Asakawa, T; Onrizal; Adjie, B; Ardli, ER; Sungkaew, S; Malekal, NB; Tung, NX; Salmo, SG; Yllano, OB; Saleh, MN; Soe, KK; Oguri, E; Murakami, N; Watano, Y; Baba, S; Webb, EL; Kajita, T;
Publish Date	DEC 2012
Journal Name	CONSERVATION GENETICS RESOURCES
Citation	6
Abstract	A set of 14 new microsatellite markers was developed for mangrove species <i>Rhizophora mucronata</i> (Rhizophoraceae) by using pyrosequencing. Fifty-six samples from 9 populations of <i>R. mucronata</i> in the Indo-West Pacific region were genotyped; all loci were polymorphic, with the number of alleles ranging from 2 to 9. The mean expected heterozygosity per locus was 0.16 in a population from Sabah, no significant linkage disequilibrium was found among loci, and significant deviation from Hardy-Weinberg equilibrium was found in 3 loci. The polymorphic microsatellite markers with samples covering most of the species' distribution range can be applied in genetic diversity studies covering a broad geographical range of the species.
Publish Type	Journal
Publish Year	2012
Page Begin	951
Page End	954
Issn	1877-7252
Eissn	
Url	https://www.webofscience.com/wos/woscc/full-record/WOS:000310027200031
Author	Dr.rer.nat. ERWIN RIYANTO ARDLI, M.Sc.