

**TABLE 2** Estimates of genetic diversity and total inbreeding for each dataset that used microsatellite as marker. Species: *A. germinans* (Ag), *A. schaueriana* (As), *L. racemosa* (Lr), and *R. mangle* (Rm); Allelic richness (Ar); Expected heterozygosity ( $H_E$ ); Observed heterozygosity ( $H_o$ ); Inbreeding coefficient ( $F_{IS}$ ); and the reference for each dataset. Results are shown as mean calculated across loci of all populations of each dataset  $\pm$  standard deviation.

Species	Ar	$H_E$	$H_o$	$F_{IS}$	References
Ag	2.543 $\pm$ 0.302	0.456 $\pm$ 0.071	0.672 $\pm$ 0.154	-0.422 $\pm$ 0.154	Hodel et al., 2016
Ag	2.260 $\pm$ 0.390	0.325 $\pm$ 0.111	0.276 $\pm$ 0.127	0.181 $\pm$ 0.187	Kennedy et al., 2020
Ag	2.624 $\pm$ 0.751	0.438 $\pm$ 0.171	0.432 $\pm$ 0.306	0.218 $\pm$ 0.244	Mori et al., 2015
Ag	2.551 $\pm$ 0.658	0.239 $\pm$ 0.108	0.224 $\pm$ 0.302	0.132 $\pm$ 0.158	O-Zavala et al., 2019
As	2.416 $\pm$ 0.563	0.236 $\pm$ 0.086	0.171 $\pm$ 0.063	0.248 $\pm$ 0.104	Mori et al., 2015
Lr	1.551 $\pm$ 0.398	0.204 $\pm$ 0.160	0.106 $\pm$ 0.059	0.475 $\pm$ 0.165	S-Lima et al., 2021
Rm	2.416 $\pm$ 0.299	0.428 $\pm$ 0.067	0.314 $\pm$ 0.070	0.221 $\pm$ 0.137	de la Cruz et al., 2018
Rm	1.798 $\pm$ 0.724	0.196 $\pm$ 0.156	0.190 $\pm$ 0.105	-0.015 $\pm$ 0.324	Francisco et al., 2018
Rm	2.452 $\pm$ 0.247	0.425 $\pm$ 0.062	0.489 $\pm$ 0.105	-0.089 $\pm$ 0.127	Hodel et al., 2016
Rm	2.350 $\pm$ 0.257	0.419 $\pm$ 0.071	0.493 $\pm$ 0.112	-0.089 $\pm$ 0.123	Hodel et al., 2017
Rm	2.532 $\pm$ 0.500	0.350 $\pm$ 0.122	0.310 $\pm$ 0.106	0.093 $\pm$ 0.125	Kennedy et al., 2016
Rm	2.407 $\pm$ 0.395	0.317 $\pm$ 0.096	0.265 $\pm$ 0.129	0.211 $\pm$ 0.222	Kennedy et al., 2017
Rm	1.729 $\pm$ 0.237	0.370 $\pm$ 0.113	0.366 $\pm$ 0.129	0.026 $\pm$ 0.221	Takayama et al., 2013

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