

TABLE 2.1 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 ± 0.302	0.456 ± 0.071	0.672 ± 0.154	-0.422 ± 0.154	Hodel et al., 2016
Ag	2.260 ± 0.390	0.325 ± 0.111	0.276 ± 0.127	0.181 ± 0.187	Kennedy et al., 2020
Ag	2.624 ± 0.751	0.438 ± 0.171	0.432 ± 0.306	0.218 ± 0.244	Mori et al., 2015
Ag	2.551 ± 0.658	0.239 ± 0.108	0.224 ± 0.302	0.132 ± 0.158	O-Zavala et al., 2019
As	2.416 ± 0.563	0.236 ± 0.086	0.171 ± 0.063	0.248 ± 0.104	Mori et al., 2015
Lr	1.551 ± 0.398	0.204 ± 0.160	0.106 ± 0.059	0.475 ± 0.165	S-Lima et al., 2021
Rm	2.416 ± 0.299	0.428 ± 0.067	0.314 ± 0.070	0.221 ± 0.137	de la Cruz et al., 2018
Rm	1.798 ± 0.724	0.196 ± 0.156	0.190 ± 0.105	-0.015 ± 0.324	Francisco et al., 2018
Rm	2.452 ± 0.247	0.425 ± 0.062	0.489 ± 0.105	-0.089 ± 0.127	Hodel et al., 2016
Rm	2.350 ± 0.257	0.419 ± 0.071	0.493 ± 0.112	-0.089 ± 0.123	Hodel et al., 2017
Rm	2.532 ± 0.500	0.350 ± 0.122	0.310 ± 0.106	0.093 ± 0.125	Kennedy et al., 2016
Rm	2.407 ± 0.395	0.317 ± 0.096	0.265 ± 0.129	0.211 ± 0.222	Kennedy et al., 2017
Rm	1.729 ± 0.237	0.370 ± 0.113	0.366 ± 0.129	0.026 ± 0.221	Takayama et al., 2013

TABLE 2.2 Estimates of genetic diversity and total inbreeding for each dataset that used SNP 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	1.242 ± 0.210	0.246 ± 0.132	0.271 ± 0.232	-0.101 ± 0.378	Cruz et al., 2020
As	1.567 ± 0.354	0.304 ± 0.160	0.439 ± 0.318	-0.442 ± 0.397	Cruz et al., 2019
Lr	1.104 ± 0.231	0.118 ± 0.103	0.098 ± 0.177	0.171 ± 0.507	Hodel et al., 2018
Rm	1.317 ± 0.224	0.311 ± 0.153	0.399 ± 0.359	-0.283 ± 0.580	Hodel et al., 2017
Rm	1.063 ± 0.180	0.063 ± 0.085	0.058 ± 0.092	0.081 ± 0.441	Hodel et al., 2018
Rm	1.910 ± 0.247	0.286 ± 0.149	0.084 ± 0.108	0.707 ± 0.334	Madeira et al., 2023

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