

TABLE S2 Mantel modeling tests performed with symmetric matrices between Slatkin's linearized F_{ST} (D) and shortest distance through water and Euclidean distance and shortest distance through water controlled by Euclidean distance (Partial mantel). Pearson correlation values (r). Significance values (p), showed in bold for $p < 0.05$. Molecular marker: SNP or Msat (microsatellite) and Reference of data source are shown. ¹ Atlantic Ocean Basin; ² Pacific Ocean Basin. The information was not shown when the test could not be performed: the matrices presented dimensions 2x2 (k=2).

a) <i>Avicennia germinans</i>					
Mantel D		Partial Mantel D			
Water r (p)	Euclidean r (p)	Water controlled by Euclidean r (p)		Marker	Reference
-0.83 (0.83)	0.03 (0.50)	-1 (1.00)		Msat	Hodel et al., 2016
0.29 (0.50)	0.72 (0.17)	-1 (1.00)		Msat	Kennedy et al., 2020
-0.29 (0.79)	-0.27 (0.79)	-0.29 (0.71)		Msat	O-Zavala et al., 2019 ¹
0.83 (0.17)	0.78 (0.17)	1 (0.66)		SNP	Cruz et al., 2020
b) <i>Laguncularia racemosa</i>					
0.43 (0.16)	0.46 (0.13)	-0.06 (0.43)		SNP	Hodel et al., 2018
c) <i>Rhizophora mangle</i>					
-0.99 (1.00)	-0.62 (0.84)	-1 (1.00)		Msat	Hodel et al., 2016
0.58 (0.11)	0.54 (0.16)	0.31 (0.16)		Msat	Hodel et al., 2017
-0.82 (1.00)	-0.11 (0.67)	-1 (1.00)		Msat	Kennedy et al., 2016
0.28 (0.33)	-0.40 (0.75)	0.21 (0.38)		Msat	Kennedy et al., 2017
-0.18 (0.59)	-0.19 (0.60)	0.01 (0.49)		Msat	Takayama et al., 2013 ²
0.58 (0.11)	0.54 (0.16)	0.31 (0.16)		SNP	Hodel et al., 2017
0.53 (0.04)	0.59 (0.03)	-0.18 (0.67)		SNP	Hodel et al., 2018

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