

Ecography

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Supplementary material

Appendix 1: Supplementary Tables

Table A1. Data sources and patch sizes for the 20 seed dispersal networks derived from fragmented tropical forest landscapes as assessed in this study.

Reference	Locality	Patch size (ha)	Geographic coordinates
Palmeirim et al. 1989	Heredia Province, northeastern Costa Rica	2.5	83° 59'W, 10° 26'N
Athiê and Dias 2012	São Paulo, southeastern Brazil	32	47° 36'W, 22° 29'S
Manhães et al. 2010	Minas Gerais, southeastern Brazil	56	43° 21'W, 21° 37'S
Manhães et al. 2010	Minas Gerais, southeastern Brazil	90	43° 53'W, 21° 42'S
Ortiz-Pulido et al. 2000	Veracruz, south Mexico	100	96° 22'W, 19° 36'N
Fonseca and Antunes 2007	São Paulo, southeastern Brazil	174	46° 37' 59"W, 23° 27' 43"S
Fadini and De Marco 2004	São Paulo, southeastern Brazil	200	42° 52' 53"W, 20° 45' 14"S
Schleuning et al. 2011	Kakamega, western Kenya	250	47° 06'W, 22° 49'S
Galetti and Pizo 1996	São Paulo, southeastern Brazil	250	34° 47"E, 0° 14"N

Andrade et al. 2011	Bahia, northeastern Brazil	425	38° 24'W, 12° 56'S
Faustino and Machado 2006	Bahia, northeastern Brazil	450	41° 20' 27"W, 12° 59' 18"S
Kessler-Rios and Kattan 2012	Western slope of the Colombian Andes	459	75° 34'W, 4° 43'N
Silva and Pedroni 2014	Minas Gerais, southeastern Brazil	600	48° 12'W, 18° 57'S
Heindl and Curio 1999	Island of Negros, Philippines	2400	123° 11'E, 10° 41'S
Wheelwright et al. 1984	Monteverde, northwestern Costa Rica	2700	84° 48'W, 10° 18'N
Lefevre 2008	Tobago Main Ridge Forest Reserve, Tobago	3500	60° 37'W, 11° 17'N
Purificação et al. 2014	Mato Grosso, midwest Brazil	11000	51° 16'W, 15° 52'S
Donatti et al. 2011	Mato Grosso do Sul, midwest Brazil	18500	56° 14' 43"W, 19° 34' 15" S
Silva et al. 2002	São Paulo, southeastern Brazil	50000	48° 03'W, 24° 12'S
Sankamethawee et al. 2011	Khao Yai National Park, northeastern Thailand	200000	101° 22'E, 14° 26'N

Table A2. Spatial autocorrelation test calculated from the Moran index.

	Observed	p-value
Plant species richness	-0.11	0.5
Bird species richness	- 0.02	0.72
Plant and bird species richness combined	-0.07	0.82
Richness of obligate frugivores	0.01	0.47

Table A3. Summary of linear regression between the duration of each study (in months) and patch size and networks metrics. Number of interaction, plant and bird richness, richness of plants and birds combined and patch size were log10 transformed.

	β	SE	t	r^2	p
Connectance	-0.003	0.002	-1.72	0.14	0.1
Nestedness	-0.23	0.25	-0.9	0.04	0.38
Number of interactions	0.009	0.009	1.07	0.06	0.27
Plant richness	0.009	0.007	1.34	0.09	0.2
Bird richness	0.007	0.006	1.07	0.06	0.3
Richness of plants and birds combined	0.008	0.006	1.28	0.08	0.22
Average path length	0.01	0.007	1.4	0.1	0.18
Patch size	0.03	0.02	1.15	0.07	0.27

References - Supplementary Material

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