

Supplementary material to:

Brazilian mangroves: Blue carbon hotspots of national and global relevance to natural climate solutions

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Supplementary Table S1. Number of observations from Brazilian mangroves used in independent studies to estimate mangrove aboveground biomass (AGB) and soil organic carbon (SOC) stocks.

Mangrove States	Rovai et al. (2021)	Rovai et al. (2018)	Kauffman et al. (2020)		Simard et al. (2019)	Hamilton & Friess (2018)*	
	AGB	SOC	AGB	SOC	AGB	AGB	SOC
Maranhão (MA)	29 plots						
Pará (PA)	38 plots	12 sites	54 plots	9 sites	4 plots		
Amapá (AP)	2 plots						
Bahia (BA)	87 plots	18 sites					
Paraná (PR)	29 plots	3 sites					
São Paulo (SP)	191 plots	19 sites			3 plots		
Sergipe (SE)	118 plots						
Pernambuco (PE)	36 plots	2 sites					
Rio de Janeiro (RJ)	130 plots	2 sites					
Paraíba (PB)	6 plots						
Santa Catarina (SC)	90 plots	6 sites					
Espírito Santo (ES)	130 plots						
Rio Grande do Norte (RN)	2 plots						
Piauí (PI)	2 plots						
Ceará (CE)	23 plots	7 sites	36 plots	6 sites			
Alagoas (AL)							
Total	913	69	90	15	7		

Mangrove States	Tang et al. (2018)**	Sanderman et al. (2018)	Atwood et al. (2017)	Hutchison et al. (2014)		Jardine & Siikamäki (2014)
	AGB	SOC	SOC	AGB	SOC	SOC
Maranhão (MA)		3 sites				
Pará (PA)			1 site			2 sites
Amapá (AP)						
Bahia (BA)		6 sites				
Paraná (PR)		3 sites	3 sites			
São Paulo (SP)		11 sites	8 sites			
Sergipe (SE)						
Pernambuco (PE)		2 sites	2 sites			1 site
Rio de Janeiro (RJ)		5 sites	5 sites	10 plots		8 sites
Paraíba (PB)		4 sites				
Santa Catarina (SC)						
Espírito Santo (ES)						
Rio Grande do Norte (RN)						
Piauí (PI)						
Ceará (CE)			4 sites			
Alagoas (AL)						
Total		34	23	10		11

* AGB was derived from latitude- and bioclimatic-based equations and global SOC from Jardine & Siikamäki (2014)

** AGB derived from canopy heights obtained from the Shuttle Radar Topography Mission (SRTM) 1