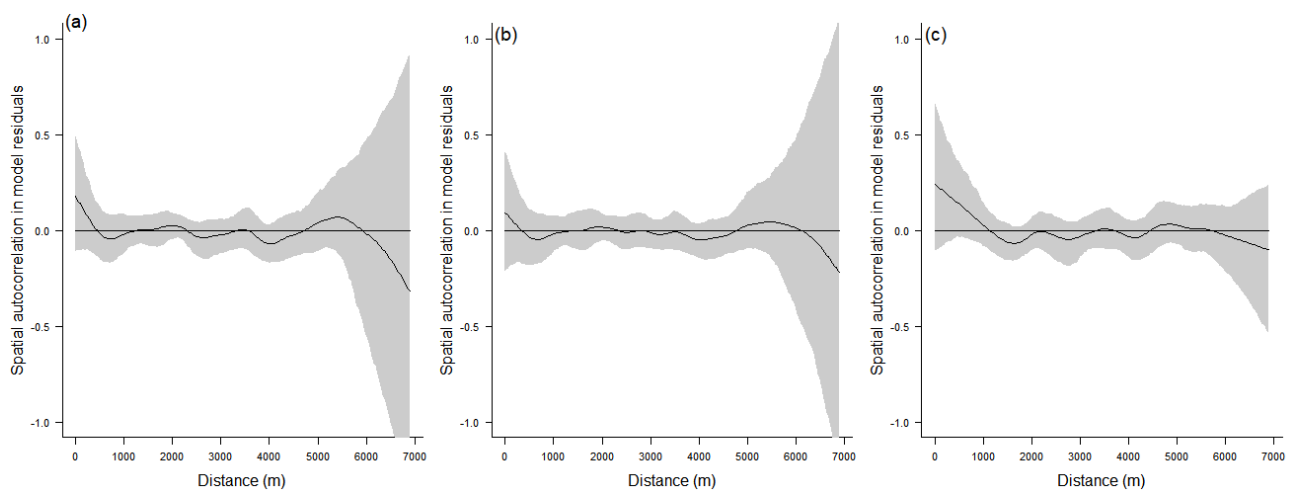


## Supplementary Material

**Fig. S1** - Spatial correlograms for our three multiple regression models, created with function `spline.correlog()` from the R package “ncf”: (a) altitude, (b) soil clay content, (c) soil micronutrient content. Correlograms show how the correlation between sets of observations (here, our sampling plots) separated by a given distance changes as a function of distance (solid curves); the gray bands indicate the uncertainty of autocorrelation estimates (95% confidence interval). For all models, the confidence bands include zero (horizontal line), indicating that there is no detectable spatial autocorrelation in model residuals and, thus, no need for more-complex models.



**Tab. S1** - Database used in the analysis of intra- and inter-specific variations in wood density in ecotone forests of the eastern portion of Maracá Island, Roraima State, northern Brazilian Amazon. Soil data (<https://data.mendeley.com/datasets/gfw5ccbrsz/2>) and altitude (<https://ppbiodata.inpa.gov.br/metacat/metacat/menger.187.1/default>) are freely available. (Plot code): specific plot code related to permanent plots located on the eastern portion of Maracá Island - detailed information can be obtained on the ForestPlots platform (<https://www.forestplots.net/>) under the codes ETA, ETB, ETC, ETD, ETE and ETF. (WD): weighted average of wood density (sensu Farias et al. 2020); (SOM): soil organic matter; (base sum): sum of exchangeable bases ( $K^+ + Ca^{++} + Mg^{++}$  cmol  $kg^{-1}$ ); (soil micronutrient sum): sum of micronutrients (Fe, Zn, Mn, Cu and B; mg  $kg^{-1}$ ).

Plot code	Sampled trees (n)	Total trees in the plot (except palm)	WD (g $cm^{-3}$ )	Altitude (m a.s.l.)	Clay content (%)	pH	SOM (mg $kg^{-1}$ )	P content (mg $kg^{-1}$ )	Base sum (cmol $kg^{-1}$ )	Soil micronutrient sum (mg $kg^{-1}$ )
L1-0800-0850	6	21	0.690	67.48	13.10	4.70	7.00	5.00	0.47	50.70
L1-1000-1050	5	13	0.661	61.40	7.90	5.40	7.00	4.00	1.08	139.77
L1-1200-1250	6	24	0.662	67.08	16.20	5.10	16.00	3.00	0.79	98.70
L1-1400-1450	6	20	0.702	76.90	15.60	4.40	7.00	2.00	0.37	37.83
L1-2000-2050	5	20	0.746	67.43	12.90	4.70	21.00	5.00	0.89	64.13
L1-2200-2250	4	22	0.826	55.56	21.20	4.80	23.00	3.00	0.81	367.73
L1-2400-2450	5	20	0.810	56.91	12.20	5.20	14.00	4.00	0.49	189.81
L1-2600-2650	3	13	0.721	59.49	17.40	5.2	18.00	2.00	0.66	332.68
L1-3000-3050	9	33	0.727	67.36	15.80	4.60	21.00	3.00	0.83	137.31
L1-3200-3250	5	20	0.728	57.31	7.90	5.20	9.00	4.00	0.70	97.36
L1-3450-3500	9	34	0.845	54.92	22.80	4.70	39.00	3.00	0.75	504.26
L1-3650-3700	4	19	0.800	56.72	10.50	4.90	7.00	2.00	0.56	73.30
L1-3850-3900	4	19	0.733	70.90	20.30	5.00	21.00	3.00	0.98	113.71
L1-4050-4100	4	19	0.702	60.97	10.60	5.50	11.00	3.00	1.70	111.97
L1-4250-4300	4	14	0.739	62.76	18.80	5.00	9.00	3.00	1.34	79.20
L1-4450-4500	4	19	0.753	77.18	16.40	5.40	18.00	4.00	1.19	127.46
L1-4650-4700	4	14	0.772	72.05	13.80	5.60	11.00	3.00	1.26	89.27
L1-4850-4900	4	18	0.795	81.77	15.10	5.20	18.00	4.00	0.86	172.03
L2-0900-0950	9	33	0.659	59.39	16.60	4.90	18.00	6.00	0.67	177.81
L2-1100-1150	5	22	0.643	64.77	8.50	5.00	9.00	6.00	0.55	47.99
L2-1300-1350	5	18	0.723	70.48	14.20	5.00	11.00	5.00	0.60	152.67
L2-1500-1550	6	23	0.748	75.00	14.50	4.50	11.00	4.00	0.46	68.06
L2-1700-1750	6	21	0.702	75.78	10.90	4.90	14.00	4.00	0.52	90.54
L2-1900-1950	5	27	0.710	72.36	11.30	5.50	11.00	6.00	0.99	116.53
L2-2150-2200	7	22	0.731	68.31	10.40	5.00	9.00	4.00	0.56	100.12
L2-2350-2400	6	23	0.747	65.26	9.70	4.80	7.00	4.00	0.61	127.63
L2-2600-2650	4	17	0.744	63.43	9.90	5.00	9.00	3.00	0.86	101.84
L2-2800-2850	6	24	0.690	68.50	8.70	4.80	7.00	4.00	0.63	123.39
L2-3050-3100	3	12	0.648	81.92	13.20	4.30	5.00	3.00	0.47	75.39
L2-3400-3450	4	16	0.733	78.23	15.30	4.80	11.00	3.00	0.72	114.88
L2-3600-3650	4	17	0.753	71.81	17.70	4.90	9.00	2.00	0.61	100.43
L2-3800-3850	5	21	0.813	63.49	12.30	5.10	11.00	3.00	0.51	337.14
L2-4000-4050	7	28	0.793	68.41	13.00	5.00	14.00	2.00	0.71	96.50
L2-4200-4250	7	24	0.732	73.31	14.10	5.30	14.00	3.00	1.03	108.50

Plot code	Sampled trees (n)	Total trees in the plot (except palm)	WD (g cm <sup>-3</sup> )	Altitude (m a.s.l.)	Clay content (%)	pH	SOM (mg kg <sup>-1</sup> )	P content (mg kg <sup>-1</sup> )	Base sum (cmol kg <sup>-1</sup> )	Soil micronutrient sum (mg kg <sup>-1</sup> )
L2-4400-4450	6	24	0.675	78.66	15.80	5.30	9.00	3.00	0.81	143.02
L2-4600-4650	2	8	0.604	71.87	12.10	6.10	16.00	3.00	2.04	316.01
L2-4800-4850	8	30	0.679	95.46	18.20	5.60	18.00	2.00	1.87	112.41
L3-0900-0950	5	18	0.701	65.99	21.20	4.60	16.00	4.00	0.68	167.86
L3-1100-1150	1	11	0.656	71.72	16.20	4.60	11.00	3.00	0.42	56.63
L3-1300-1350	8	30	0.705	73.52	9.50	4.70	11.00	3.00	0.40	59.42
L3-1500-1550	9	28	0.750	76.43	7.50	4.90	5.00	3.00	0.32	27.81
L3-1700-1750	2	24	0.803	71.40	11.60	5.30	18.00	3.00	0.57	342.25
L3-1900-1950	5	19	0.656	76.35	9.60	4.60	7.00	3.00	0.35	76.12
L3-2150-2200	5	19	0.700	82.57	6.40	4.70	5.00	3.00	0.31	29.02
L3-2350-2400	7	25	0.712	81.77	10.30	4.60	9.00	3.00	0.42	48.69
L3-2550-2600	7	24	0.758	77.40	10.50	4.60	9.00	3.00	0.45	52.59
L3-2750-2800	5	20	0.740	83.76	12.50	4.50	7.00	3.00	0.36	53.78
L3-2950-3000	7	27	0.677	88.67	13.70	4.50	5.00	3.00	0.36	75.76
L3-3150-3200	6	19	0.705	85.93	15.10	4.60	11.00	3.00	0.50	111.83
L3-3350-3400	4	14	0.710	76.66	15.30	4.50	7.00	3.00	0.35	77.72
L3-3550-3600	5	19	0.701	68.70	12.30	5.00	16.00	3.00	0.72	185.10
L3-4000-4050	7	28	0.724	84.95	13.00	4.70	7.00	3.00	0.42	71.41
L3-4200-4250	5	19	0.635	85.28	16.30	4.90	5.00	3.00	0.59	55.68
L3-4400-4450	5	17	0.718	82.45	7.20	5.00	7.00	3.00	0.37	29.27
L3-4600-4650	9	31	0.671	82.74	28.40	4.40	9.00	3.00	0.36	87.16
L3-4800-4850	4	15	0.683	85.78	9.70	5.10	5.00	2.00	0.67	83.90
L4-0050-0100	6	25	0.654	69.14	18.20	4.50	18.00	5.00	0.66	118.30
L4-0250-0300	4	18	0.743	71.30	10.50	4.40	7.00	4.00	0.43	71.11
L4-0450-0500	3	7	0.689	72.25	14.30	4.30	9.00	3.00	0.32	80.29
L4-0650-0700	8	31	0.704	70.93	12.90	4.60	23.00	5.00	0.45	41.21
L4-0850-0900	7	23	0.672	71.45	10.10	4.60	7.00	4.00	0.29	32.56
L4-1050-1100	7	28	0.718	77.47	7.70	4.90	5.00	3.00	0.37	41.01
L4-1250-1300	4	18	0.750	78.36	6.70	5.10	7.00	3.00	0.35	40.93
L4-1450-1500	7	26	0.726	79.24	8.60	4.50	5.00	3.00	0.34	60.88
L4-1850-1900	5	18	0.703	75.58	21.70	4.30	14.00	4.00	0.39	201.05
L4-2050-2100	8	30	0.738	80.22	8.20	4.60	7.00	3.00	0.34	58.74
L4-2250-2300	8	21	0.712	69.96	10.60	4.70	9.00	3.00	0.38	65.57
L4-2450-2500	10	16	0.825	65.40	7.90	5.20	7.00	4.00	0.37	60.79
L4-2650-2700	6	28	0.712	66.99	15.50	4.40	7.00	3.00	0.37	113.95
L4-2850-2900	5	19	0.657	74.08	10.90	5.00	11.00	4.00	0.39	104.82
L4-3050-3100	5	17	0.746	73.70	12.40	4.50	11.00	3.00	0.39	88.32
L4-3300-3350	7	26	0.747	65.13	21.80	4.40	23.00	3.00	0.49	130.38
L4-3500-3550	2	22	0.791	62.44	10.50	5.50	16.00	4.00	1.21	75.29
L4-3800-3850	5	23	0.742	63.02	10.50	5.40	16.00	5.00	1.32	43.69
L4-4000-4050	5	18	0.713	67.28	9.40	5.60	7.00	3.00	0.63	57.73
L4-4200-4250	5	20	0.640	78.25	9.20	5.30	5.00	5.00	0.92	64.83
L4-4400-4450	4	25	0.684	81.29	11.10	5.30	5.00	2.00	1.28	60.68
L4-4600-4650	5	24	0.706	81.96	9.30	4.70	7.00	2.00	0.47	46.39
L4-4850-4900	5	21	0.788	76.38	9.20	4.70	21.00	3.00	0.78	63.33
L5-0050-0100	4	15	0.600	67.95	18.90	4.70	11.00	3.00	0.62	62.46

Plot code	Sampled trees (n)	Total trees in the plot (except palm)	WD (g cm <sup>-3</sup> )	Altitude (m a.s.l.)	Clay content (%)	pH	SOM (mg kg <sup>-1</sup> )	P content (mg kg <sup>-1</sup> )	Base sum (cmol kg <sup>-1</sup> )	Soil micronutrient sum (mg kg <sup>-1</sup> )
L5-0200-0250	6	21	0.731	73.65	9.20	5.80	7.00	3.00	2.00	41.66
L5-0350-0400	5	18	0.648	72.88	17.60	5.90	16.00	4.00	2.44	42.72
L5-0500-0550	6	23	0.678	73.11	18.40	5.40	11.00	3.00	1.85	50.83
L5-0650-0700	4	12	0.772	70.04	8.10	4.90	7.00	2.00	0.98	46.96
L5-0950-1000	6	21	0.725	72.08	9.70	4.20	9.00	2.00	0.47	53.29
L5-1150-1200	6	23	0.672	64.20	15.30	4.70	21.00	4.00	0.78	90.84
L5-1300-1350	7	28	0.736	72.38	9.30	4.60	7.00	3.00	0.55	49.69
L5-1450-1500	5	21	0.740	73.73	4.60	5.00	5.00	2.00	0.68	34.05
L5-1600-1650	2	13	0.720	74.25	12.50	5.40	11.00	2.00	1.47	55.67
L5-1750-1800	3	12	0.691	74.44	18.80	5.10	14.00	2.00	1.09	74.44
L5-1900-1950	5	22	0.742	75.66	14.50	5.00	7.00	2.00	0.77	49.30
L5-2050-2100	5	17	0.711	76.14	10.90	4.80	7.00	2.00	0.78	44.18
L5-2200-2250	4	16	0.728	69.71	5.90	5.00	7.00	2.00	0.70	15.12
L5-2350-2400	6	27	0.752	64.27	8.50	5.10	21.00	2.00	0.79	176.11
L5-2600-2650	4	22	0.671	66.95	15.10	5.00	14.00	2.00	0.88	117.16
L5-2750-2800	6	21	0.680	73.93	12.90	4.60	9.00	9.00	0.66	58.76
L5-2900-2950	6	24	0.671	74.81	4.90	5.20	9.00	3.00	0.92	32.80
L5-3050-3100	6	21	0.687	64.47	18.20	4.80	18.00	2.00	0.85	61.91
L5-3350-3400	5	17	0.787	57.46	12.00	4.80	23.00	4.00	1.05	148.56
L5-3500-3550	5	19	0.708	60.19	12.50	5.30	21.00	3.00	1.30	150.57
L5-3650-3700	4	14	0.720	65.33	17.20	5.10	14.00	3.00	1.40	84.95
L5-3800-3850	5	19	0.707	64.27	18.90	5.00	18.00	3.00	1.56	67.80
L5-3950-4000	6	24	0.657	69.79	21.30	5.50	18.00	3.00	2.41	90.10
L5-4200-4250	4	16	0.695	67.07	8.90	4.80	11.00	3.00	0.92	90.04
L5-4400-4450	6	28	0.705	66.59	4.00	4.90	5.00	2.00	0.53	18.72
L5-4600-4650	8	31	0.740	65.51	8.70	5.10	16.00	3.00	0.85	131.59
L5-4800-4850	7	28	0.744	62.99	14.30	4.80	21.00	5.00	0.80	234.61
L5-4950-5000	5	17	0.668	73.28	14.80	4.90	9.00	2.00	0.75	49.91
L6-0100-0150	4	15	0.662	60.46	21.30	4.70	14.00	3.00	0.65	71.57
L6-0300-0350	5	16	0.736	71.25	12.80	4.60	7.00	2.00	0.68	66.93
L6-0500-0550	6	20	0.726	72.83	14.70	4.50	7.00	3.00	0.48	51.93
L6-0700-0750	5	20	0.731	71.94	12.80	4.40	7.00	2.00	0.44	36.96
L6-0900-0950	4	18	0.722	72.28	15.50	4.90	9.00	3.00	1.10	54.03
L6-1100-1150	4	18	0.681	70.81	12.60	5.10	9.00	3.00	1.33	49.79
L6-1300-1350	4	15	0.773	73.41	18.30	5.40	9.00	2.00	1.16	57.43
L6-1500-1550	4	16	0.671	73.35	12.50	5.70	9.00	2.00	1.38	41.39
L6-1700-1750	5	21	0.680	74.04	17.20	5.50	16.00	3.00	1.55	69.00
L6-1900-1950	4	15	0.701	74.24	4.70	5.50	7.00	3.00	1.16	39.92
L6-2150-2200	6	21	0.731	66.20	17.30	4.80	18.00	4.00	0.98	69.26
L6-2350-2400	4	19	0.838	75.23	11.40	4.80	9.00	5.00	0.75	46.51
L6-2550-2600	4	15	0.717	64.14	16.20	5.00	21.00	3.00	1.11	64.78
L6-2750-2800	4	22	0.761	57.29	7.90	4.60	11.00	3.00	0.62	79.73
L6-2950-3000	7	25	0.720	61.25	7.50	5.00	5.00	2.00	0.47	33.52
L6-3300-3350	1	19	0.770	55.55	9.30	4.90	16.00	4.00	0.80	93.95
L6-3500-3550	5	19	0.743	60.15	9.80	4.90	7.00	3.00	0.72	53.96
L6-3700-3750	5	21	0.714	57.91	12.30	4.90	14.00	4.00	1.34	84.93

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Plot code	Sampled trees (n)	Total trees in the plot (except palm)	WD (g cm <sup>-3</sup> )	Altitude (m a.s.l.)	Clay content (%)	pH	SOM (mg kg <sup>-1</sup> )	P content (mg kg <sup>-1</sup> )	Base sum (cmol kg <sup>-1</sup> )	Soil micronutrient sum (mg kg <sup>-1</sup> )
L6-4150-4200	3	14	0.842	59.72	10.00	4.70	9.00	4.00	0.72	44.54
L6-4350-4400	5	16	0.761	58.50	13.60	4.80	21.00	5.00	0.76	67.53
L6-4700-4750	7	26	0.686	60.24	17.70	4.90	49.00	3.00	2.28	113.24

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**Tab. S2** - Tree species and morphospecies wood density estimate for ecotone forests in the eastern portion of Maracá Island, northern Brazilian Amazonia (mean  $\pm$  SD). (Samples): number of individuals sampled; (Bark WD): bark density; (Core WD): density of sapwood + heartwood; (WD): weighted average between Bark WD and Core WD (sensu Farias et al. 2020).

Family	Species	Samples (n)	Bark WD (g cm <sup>-3</sup> )	Core WD (g cm <sup>-3</sup> )	WD (g cm <sup>-3</sup> )
<b>Achariaceae</b>	<i>Lindackeria paludosa</i>	2	0.686 $\pm$ 0.001	0.637 $\pm$ 0.018	0.637 $\pm$ 0.018
<b>Anacardiaceae</b>	<i>Astronium lecointei</i>	3	0.691 $\pm$ 0.062	0.778 $\pm$ 0.145	0.777 $\pm$ 0.144
	<i>Spondias mombin</i>	1	0.250 $\pm$ 0.000	0.774 $\pm$ 0.000	0.766 $\pm$ 0.000
<b>Annonaceae</b>	<i>Duguetia lepidota</i>	14	0.535 $\pm$ 0.098	0.796 $\pm$ 0.042	0.793 $\pm$ 0.041
	<i>Duguetia lucida</i>	3	0.407 $\pm$ 0.105	0.732 $\pm$ 0.019	0.728 $\pm$ 0.018
	<i>Guatteria citriodora</i>	1	0.128 $\pm$ 0.000	0.604 $\pm$ 0.000	0.602 $\pm$ 0.000
	<i>Guatteria schomburgkiana</i>	8	0.488 $\pm$ 0.166	0.646 $\pm$ 0.109	0.644 $\pm$ 0.108
	<i>Xylopia amazonica</i>	2	0.533 $\pm$ 0.093	0.669 $\pm$ 0.065	0.668 $\pm$ 0.064
<b>Apocynaceae</b>	<i>Aspidosperma nitidum</i>	1	0.418 $\pm$ 0.000	0.828 $\pm$ 0.000	0.826 $\pm$ 0.000
	<i>Aspidosperma spruceanum</i>	3	0.733 $\pm$ 0.081	0.750 $\pm$ 0.020	0.750 $\pm$ 0.019
	<i>Himatanthus articulatus</i>	35	0.459 $\pm$ 0.151	0.567 $\pm$ 0.039	0.566 $\pm$ 0.039
<b>Araliaceae</b>	<i>Schefflera morototoni</i>	2	0.479 $\pm$ 0.061	0.323 $\pm$ 0.012	0.324 $\pm$ 0.012
<b>Bignoniaceae</b>	<i>Handroanthus obscurus</i>	2	0.259 $\pm$ 0.041	0.862 $\pm$ 0.042	0.858 $\pm$ 0.043
	<i>Handroanthus uleanus</i>	4	0.508 $\pm$ 0.090	0.811 $\pm$ 0.077	0.809 $\pm$ 0.076
<b>Bixaceae</b>	<i>Cochlospermum orinocense</i>	3	0.520 $\pm$ 0.260	0.424 $\pm$ 0.120	0.424 $\pm$ 0.121
<b>Boraginaceae</b>	<i>Cordia tetrandra</i>	5	0.441 $\pm$ 0.167	0.476 $\pm$ 0.179	0.476 $\pm$ 0.178
	<i>Protium neglectum</i>	2	0.488 $\pm$ 0.274	0.554 $\pm$ 0.016	0.555 $\pm$ 0.015
	<i>Protium polybotryum</i>	2	0.801 $\pm$ 0.150	0.571 $\pm$ 0.012	0.573 $\pm$ 0.010
	<i>Protium rhoifolium</i>	4	0.701 $\pm$ 0.076	0.585 $\pm$ 0.039	0.586 $\pm$ 0.039
<b>Burseraceae</b>	<i>Protium stevensonii</i>	22	0.705 $\pm$ 0.151	0.709 $\pm$ 0.071	0.709 $\pm$ 0.070
	<i>Protium unifoliolatum</i>	8	0.614 $\pm$ 0.144	0.692 $\pm$ 0.046	0.691 $\pm$ 0.045
	<i>Trattinnickia glaziovii</i>	5	0.624 $\pm$ 0.171	0.422 $\pm$ 0.022	0.423 $\pm$ 0.021
	<i>Trattinnickia rhoifolia</i>	3	0.537 $\pm$ 0.013	0.521 $\pm$ 0.081	0.522 $\pm$ 0.080
<b>Caryocaraceae</b>	<i>Caryocar villosum</i>	1	0.707 $\pm$ 0.000	0.569 $\pm$ 0.000	0.570 $\pm$ 0.000
<b>Celastraceae</b>	<i>Maytenus guyanensis</i>	5	0.757 $\pm$ 0.115	0.722 $\pm$ 0.036	0.722 $\pm$ 0.036
	<i>Exellodendron barbatum</i>	8	0.826 $\pm$ 0.108	0.841 $\pm$ 0.057	0.841 $\pm$ 0.057
	<i>Hirtela racemosa</i>	1	0.859 $\pm$ 0.000	0.785 $\pm$ 0.000	0.785 $\pm$ 0.000
<b>Chrysobalanaceae</b>	<i>Leptobalanus apetalus</i>	5	0.725 $\pm$ 0.110	0.747 $\pm$ 0.056	0.746 $\pm$ 0.056
	<i>Licania kunthiana</i>	3	0.733 $\pm$ 0.045	0.803 $\pm$ 0.082	0.803 $\pm$ 0.082
	<i>Licania discolor</i>	17	0.748 $\pm$ 0.171	0.825 $\pm$ 0.120	0.825 $\pm$ 0.120
	<i>Moquilea minutiflora</i>	3	0.601 $\pm$ 0.054	0.624 $\pm$ 0.018	0.624 $\pm$ 0.018
<b>Clusiaceae</b>	<i>Garcinia macrophylla</i>	1	0.962 $\pm$ 0.000	0.674 $\pm$ 0.000	0.676 $\pm$ 0.000
<b>Elaeocarpaceae</b>	<i>Sloanea guianensis</i>	2	0.573 $\pm$ 0.246	0.870 $\pm$ 0.041	0.869 $\pm$ 0.041
<b>Erythroxylaceae</b>	<i>Erythroxylum mucronatum</i>	1	0.582 $\pm$ 0.000	0.819 $\pm$ 0.000	0.816 $\pm$ 0.000
<b>Euphorbiaceae</b>	<i>Mabea speciosa</i> <sup>1</sup>	3	0.515 $\pm$ 0.386	0.567 $\pm$ 0.015	0.567 $\pm$ 0.016
<b>Lamiaceae</b>	<i>Vitex schomburgkiana</i>	3	0.667 $\pm$ 0.061	0.606 $\pm$ 0.052	0.606 $\pm$ 0.052
	<i>Aniba sp.</i>	1	0.507 $\pm$ 0.000	0.622 $\pm$ 0.000	0.621 $\pm$ 0.000
<b>Lauraceae</b>	<i>Endlicheria dictifarinosa</i>	1	0.565 $\pm$ 0.000	0.478 $\pm$ 0.000	0.479 $\pm$ 0.000
	<i>Licaria chrysophylla</i>	1	0.988 $\pm$ 0.000	0.677 $\pm$ 0.000	0.678 $\pm$ 0.000
	<i>Mezilaurus crassiramea</i>	3	0.541 $\pm$ 0.174	0.697 $\pm$ 0.017	0.697 $\pm$ 0.018

Family	Species	Samples (n)	Bark WD (g cm <sup>-3</sup> )	Core WD (g cm <sup>-3</sup> )	WD (g cm <sup>-3</sup> )	
	<i>Ocotea sandwithii</i>	7	0.649 ± 0.227	0.664 ± 0.042	0.664 ± 0.041	
<b>Lecythidaceae</b>	<i>Couratari multiflora</i>	1	0.203 ± 0.000	0.468 ± 0.000	0.466 ± 0.000	
	<i>Eschweilera pedicellata</i>	4	0.767 ± 0.100	0.759 ± 0.030	0.759 ± 0.030	
	<i>Eschweilera sp.</i> <sup>2</sup>	9	0.628 ± 0.209	0.738 ± 0.026	0.737 ± 0.027	
	<i>Gustavia augusta</i>	2	0.340 ± 0.112	0.698 ± 0.026	0.695 ± 0.027	
	<i>Lecythis corrugata</i> subsp. <i>Rósea</i>	66	0.628 ± 0.158	0.733 ± 0.073	0.733 ± 0.073	
	<i>Albizia glabripetala</i>	1	0.398 ± 0.000	0.622 ± 0.000	0.621 ± 0.000	
	<i>Albizia pedicellaris</i>	1	0.598 ± 0.000	0.405 ± 0.000	0.406 ± 0.000	
	<i>Albizia sp.</i>	1	0.258 ± 0.000	0.518 ± 0.000	0.515 ± 0.000	
	<i>Andira surinamensis</i>	2	0.413 ± 0.195	0.688 ± 0.026	0.687 ± 0.027	
	<i>Centrolobium paraense</i>	2	0.843 ± 0.014	0.755 ± 0.003	0.755 ± 0.003	
	<i>Dialium guianense</i>	1	0.746 ± 0.000	0.784 ± 0.000	0.784 ± 0.000	
	<i>Enterolobium schomburgkii</i>	2	0.688 ± 0.057	0.573 ± 0.056	0.573 ± 0.055	
	<i>Hymenaea sp</i>	1	0.924 ± 0.000	0.884 ± 0.000	0.884 ± 0.000	
	<b>Leguminosae</b>	<i>Inga splendens</i>	4	0.570 ± 0.047	0.639 ± 0.060	0.638 ± 0.060
<i>Inga cinnamomea</i>		1	0.656 ± 0.000	0.525 ± 0.000	0.526 ± 0.000	
<i>Inga sp.</i> <sup>3</sup>		2	0.722 ± 0.000	0.727 ± 0.000	0.727 ± 0.000	
<i>Ormosia coarctata</i>		2	0.612 ± 0.164	0.822 ± 0.167	0.821 ± 0.167	
<i>Peltogyne gracilipes</i>		36	0.841 ± 0.162	0.903 ± 0.090	0.902 ± 0.089	
<i>Peltogyne paniculata</i>		4	0.922 ± 0.175	0.921 ± 0.032	0.921 ± 0.032	
<i>Swartzia grandifolia</i>		2	0.513 ± 0.144	0.602 ± 0.173	0.601 ± 0.173	
<i>Swartzia latifolia</i>		1	0.451 ± 0.000	0.694 ± 0.000	0.692 ± 0.000	
<i>Swartzia sp.</i>		1	0.699 ± 0.000	0.778 ± 0.000	0.777 ± 0.000	
<i>Tachigali guianensis</i>		2	0.561 ± 0.067	0.665 ± 0.040	0.664 ± 0.039	
<b>Malpighiaceae</b>		<i>Byrsonima schomburgkiana</i>	5	0.616 ± 0.154	0.626 ± 0.134	0.626 ± 0.134
		<i>Apeiba tibourbou</i>	6	0.353 ± 0.064	0.345 ± 0.113	0.346 ± 0.111
<b>Malvaceae</b>		<i>Luehea speciosa</i>	7	0.501 ± 0.120	0.639 ± 0.058	0.637 ± 0.059
		<i>Pochota fendleri</i>	2	0.324 ± 0.039	0.367 ± 0.025	0.367 ± 0.024
<b>Melastomataceae</b>	<i>Miconia stenostachya</i>	1	0.833 ± 0.000	0.817 ± 0.000	0.817 ± 0.000	
<b>Meliaceae</b>	<i>Trichilia cipo</i>	9	0.723 ± 0.142	0.725 ± 0.051	0.725 ± 0.051	
	<i>Brosimum guianense</i>	5	0.697 ± 0.180	0.768 ± 0.086	0.767 ± 0.086	
<b>Moraceae</b>	<i>Clarisia racemosa</i>	3	0.806 ± 0.156	0.675 ± 0.037	0.675 ± 0.037	
	<i>Pseudolmedia laevigata</i>	17	0.642 ± 0.156	0.673 ± 0.056	0.673 ± 0.056	
<b>Myristicaceae</b>	<i>Virola calophylla</i>	2	0.582 ± 0.110	0.591 ± 0.006	0.591 ± 0.007	
	<i>Eugenia essequiboensis</i>	1	0.556 ± 0.000	0.686 ± 0.000	0.686 ± 0.000	
<b>Myrtaceae</b>	<i>Eugenia flavescens</i>	1	0.660 ± 0.000	0.797 ± 0.000	0.796 ± 0.000	
	<i>Eugenia omissa</i>	5	0.640 ± 0.302	0.758 ± 0.057	0.758 ± 0.056	
	<i>Psidium guineense</i>	1	0.861 ± 0.000	0.829 ± 0.000	0.829 ± 0.000	
<b>Nyctaginaceae</b>	<i>Neea parviflora</i>	1	0.507 ± 0.000	0.543 ± 0.000	0.542 ± 0.000	
<b>Ochnaceae</b>	<i>Quina rhytidopus</i>	11	0.663 ± 0.248	0.823 ± 0.060	0.823 ± 0.060	
<b>Olacaceae</b>	<i>Chaunochiton kappleri</i>	2	0.403 ± 0.051	0.616 ± 0.139	0.614 ± 0.138	
<b>Peraceae</b>	<i>Pera bicolor</i>	1	0.787 ± 0.000	0.803 ± 0.000	0.803 ± 0.000	
<b>Putranjivaceae</b>	<i>Drypetes variabilis</i>	1	0.941 ± 0.000	0.698 ± 0.000	0.700 ± 0.000	
<b>Rubiaceae</b>	<i>Alseis latifolia</i>	33	0.533 ± 0.216	0.645 ± 0.049	0.645 ± 0.049	
	<i>Amaioua corymbosa</i>	4	0.659 ± 0.253	0.726 ± 0.044	0.727 ± 0.045	
	<i>Chomelia tenuiflora</i>	1	0.697 ± 0.000	0.684 ± 0.000	0.684 ± 0.000	

Family	Species	Samples (n)	Bark WD (g cm <sup>-3</sup> )	Core WD (g cm <sup>-3</sup> )	WD (g cm <sup>-3</sup> )
	<i>Duroia eriopila</i>	14	0.577 ± 0.140	0.683 ± 0.072	0.683 ± 0.071
	<i>Guettarda macrantha</i>	3	0.538 ± 0.156	0.541 ± 0.048	0.541 ± 0.048
	<i>Palicourea crocea</i>	1	0.557 ± 0.000	0.624 ± 0.000	0.624 ± 0.000
	<i>Posoqueria latifolia</i>	1	0.736 ± 0.000	0.552 ± 0.000	0.553 ± 0.000
	<i>Rudgea crassiloba</i>	5	0.764 ± 0.249	0.647 ± 0.034	0.648 ± 0.034
	<i>Rudgea sp.</i>	2	0.301 ± 0.092	0.575 ± 0.024	0.574 ± 0.024
	<i>Casearia spinencens</i>	1	0.645 ± 0.000	0.588 ± 0.000	0.589 ± 0.000
<b>Salicaceae</b>	<i>Casearia sylvestris</i>	8	0.482 ± 0.140	0.708 ± 0.062	0.707 ± 0.062
	<i>Xylosma benthamii</i>	1	0.317 ± 0.000	0.697 ± 0.000	0.695 ± 0.000
<b>Sapindaceae</b>	<i>Cupania rubiginosa</i>	2	0.653 ± 0.029	0.764 ± 0.008	0.763 ± 0.008
	<i>Chrysophyllum sparsiflorum</i>	3	0.855 ± 0.143	0.855 ± 0.028	0.855 ± 0.028
	<i>Ecclinusa guianensis</i>	70	0.650 ± 0.154	0.661 ± 0.043	0.661 ± 0.043
	<i>Pouteria cuspidata</i>	3	0.429 ± 0.051	0.717 ± 0.040	0.715 ± 0.041
	<i>Pouteria hispida</i>	16	0.654 ± 0.177	0.818 ± 0.082	0.818 ± 0.082
<b>Sapotaceae</b>	<i>Pouteria reticulata</i>	6	0.649 ± 0.210	0.735 ± 0.039	0.734 ± 0.038
	<i>Pouteria sp.</i>	1	0.744 ± 0.000	0.739 ± 0.000	0.739 ± 0.000
	<i>Pouteria surumuensis</i>	26	0.540 ± 0.159	0.909 ± 0.079	0.907 ± 0.079
	<i>Pouteria venosa</i>	11	0.596 ± 0.236	0.782 ± 0.080	0.781 ± 0.080
	<i>Pradosia surinamensis</i>	24	0.476 ± 0.143	0.681 ± 0.045	0.680 ± 0.044
<b>Simaroubaceae</b>	<i>Simarouba amara</i>	10	0.615 ± 0.189	0.422 ± 0.034	0.423 ± 0.034
<b>Violaceae</b>	<i>Leonia glycyarpa</i>	1	0.688 ± 0.000	0.680 ± 0.000	0.680 ± 0.000
	<i>Rinorea pubiflora</i>	3	0.503 ± 0.208	0.685 ± 0.043	0.684 ± 0.044

<sup>1</sup> Mean of values for *Mabea speciosa* (n=2) and a morphospecies of Euphorbiaceae (n=1).

<sup>2</sup> Mean of values for *Eschweilera sp.1* and *Eschweilera sp.2* morphospecies.

<sup>3</sup> Mean of values for *Inga sp.2* and *Inga sp.3* morphospecies.