

*Sebastián Emilio Díaz-C., Esperanza N. Pulido-Rodríguez,
Merly Y. Carreño-Díaz, Ana M. Aldana, René López-Camacho*

Functional patterns of wood traits in Terra Firme and Igapó
(tropical moist forests), Colombian Orinoquia

Supplementary Material



Figure S1. Terra firme forests.

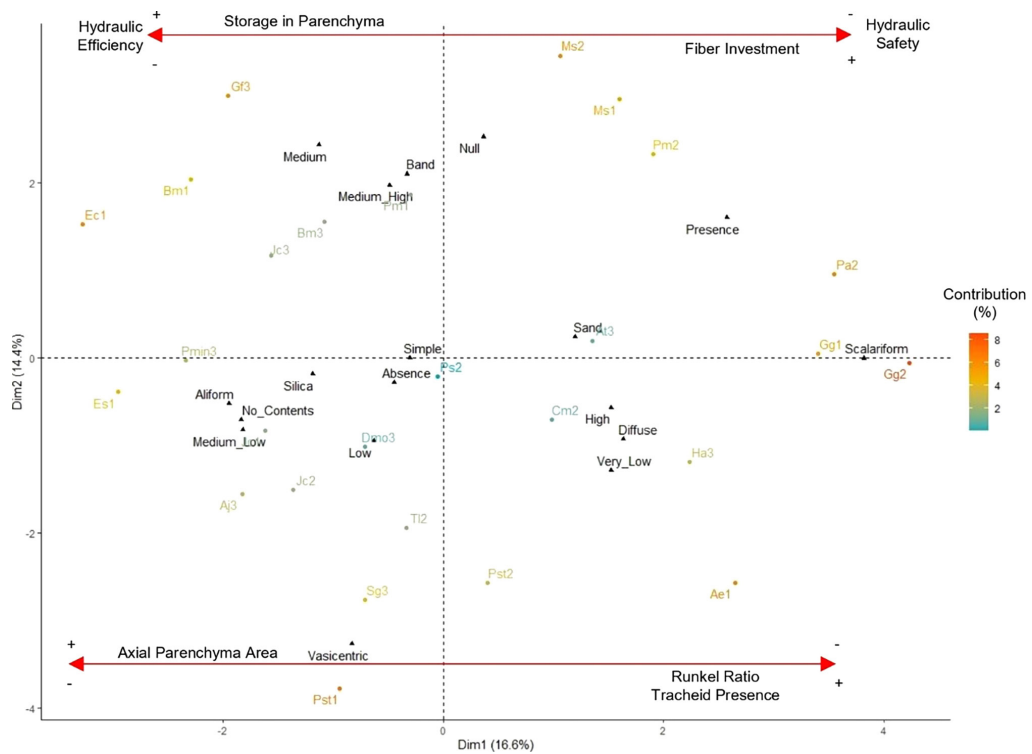


Figure S2. Factor analysis of mixed data for Terra firme forests. Variance explained: 30.7%.



Figure S3. Igapó forests.

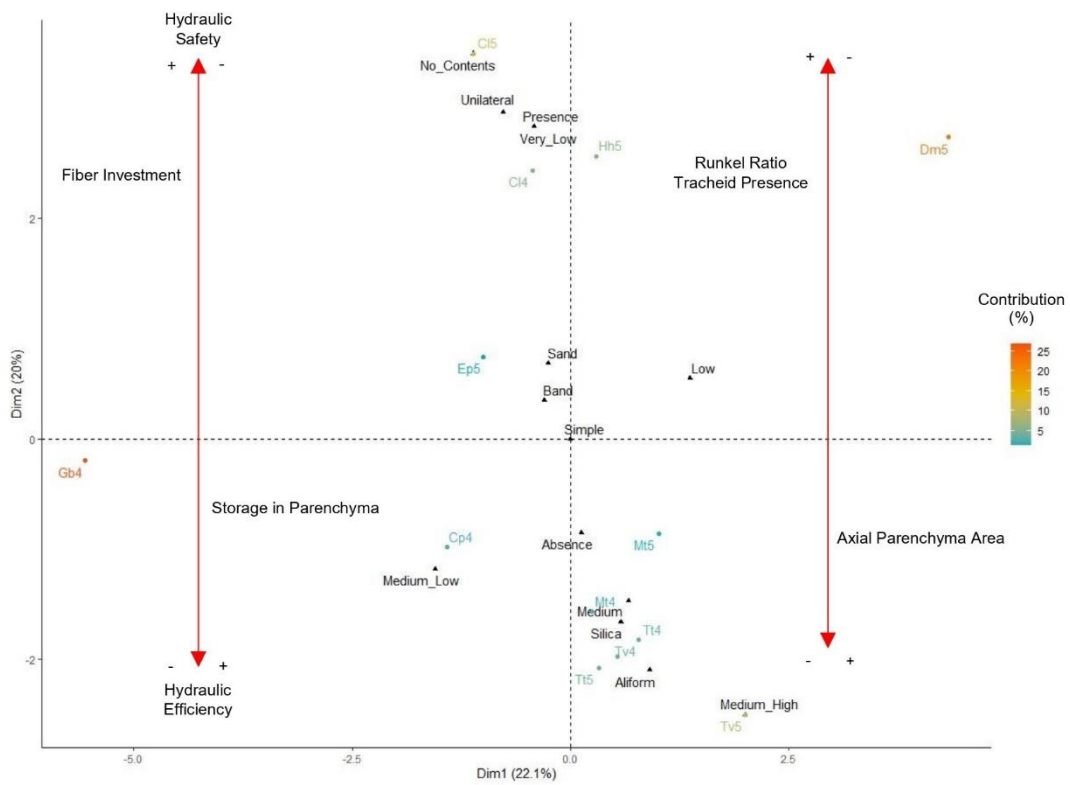


Figure S4. Factor analysis of mixed data for Igapó forests. Variance explained: 42.0%.

Table S1. Species, wood traits, and values in Terra firme forests. Acronyms: $\bar{X}$, Mean; SD, Standard Deviation; CV, Coefficient of Variation; n, Individuals. * Metaphloem Diameter.

Plot	Species	Fiber Length (μm)			Fiber Wall Thickness (μm)			Runkel Ratio			Fiber Area (μm² mm⁻²)			Ray Height (μm)			Ray Width (μm)			Ray Frequency (# mm⁻¹)			Axial Parenchyma Area (μm² mm⁻²)			Vessel Diameter (μm)			Vessel Density (# mm⁻²)			n
		̄X	SD	CV	̄X	SD	CV	̄X	SD	CV	̄X	SD	CV	̄X	SD	CV	̄X	SD	CV	̄X	SD	CV	̄X	SD	CV	̄X	SD	CV	̄X	SD	CV	
1	Jc1	687.6	112.8	16.4	3.2	1.1	34.4	0.4	0.2	52.7	890364.3	49324.1	5.5	239.9	64.4	26.8	30.3	8.6	28.6	11	1.2	11.2	47,856.1	15,841.9	33.1	138.2	39.1	28.3	6	1.5	25.6	3
	Am1	1989.2	648.8	32.6	6.3	1.4	21.9	1.0	0.8	75.8	682935.4	155067.7	22.7										314,847.9	128,194.6	40.7	92.2*	32.6*	35.4			2	
	Gg1	832.6	288.4	34.6	4.1	0.8	20.6	1.2	0.4	29.9	908809.1	24902.7	2.7	187.2	57.9	30.9	26.4	6.1	23.2	10	1.9	18.7	18,437.9	6,599.4	35.8	79.0	22.8	28.9	22	5.3	23.7	2
	Pst1	513.3	93.1	18.1	1.7	0.5	26.7	0.9	0.4	39.3	897584.5	4655.5	0.5	159.9	30.5	19.1	13.7	3.0	22.0	16	2.2	13.5	23,581.1	8,175.5	34.7	46.7	17.6	37.7	50	13.7	27.2	1
	Ec1	655.4	113.6	17.3	3.2	0.6	20.0	1.0	0.4	43.2	480837.5	56915.1	11.8	271.1	100.8	37.2	27.5	7.5	27.1	8	1.9	23.5	247,268.5	49,650.3	20.1	115.5	43.1	37.3	12	3.0	25.6	3
	Pm1	783.5	118.9	15.2	2.4	0.6	23.1	0.7	0.3	44.3	761377.4	17772.8	2.3	211.7	64.3	30.4	15.9	3.2	19.9	23	1.8	7.6	208,388.6	12,133.1	5.8	72.0	27.1	37.7	14	2.2	16.1	3
	Ae1	755.8	134.0	17.7	3.8	1.0	27.2	0.8	0.4	53.9	938723.9	10210.5	1.1	137.1	31.1	22.7	15.4	3.1	20.3	10	1.7	17.4	30,495.7	7,121.2	23.4	27.8	12.0	43.3	80	22.3	28.0	1
	Es1	624.7	152.3	24.4	2.2	0.4	20.7	0.7	0.3	34.9	689643.4	52753.9	7.6	161.2	32.0	19.9	21.6	2.7	12.6	8	1.7	21.3	226,477.6	47,651.3	21.0	100.6	32.5	32.3	13	0.7	5.4	1
	Bm1	701.9	112.2	16.0	2.1	0.6	28.1	0.4	0.2	50.1	703934.0	18195.2	2.6	953.9	178.2	18.7	48.0	8.3	17.4	5	0.6	13.2	74,922.4	14,799.1	19.8	71.2	22.6	31.8	22	5.1	23.0	1
	Ms1	847.5	173.2	20.4	3.2	0.7	22.3	0.8	0.4	49.9	834493.2	12874.5	1.5	308.5	98.4	31.9	14.7	3.1	20.9	28	2.3	8.2	89,791.5	19,164.0	21.3	147.1	23.5	16.0	5	0.8	16.1	3
2	Am2	2276.0	638.3	28.0	5.5	1.6	29.4	0.9	0.6	61.2	526188.9	155958.1	29.6										431,994.4	191,366.7	44.3	96.3*	24.2*	25.1			1	
	Pst2	557.5	89.6	16.1	2.5	0.5	21.9	1.0	0.3	30.9	890087.6	21252.4	2.4	189.3	31.9	16.8	25.2	3.2	12.8	10.0	2.1	20.6	18,436.4	1,030.4	5.6	58.6	13.8	23.6	46	15.6	33.6	1
	Cm2	789.1	158.2	20.0	3.2	0.5	14.2	0.6	0.2	43.3	844821.4	13039.2	1.5	190.4	44.0	23.1	21.5	3.9	17.9	17.0	2.0	11.6	76,810.9	13,468.5	17.5	65.1	21.7	33.3	26	6.3	23.9	2
	Gg2	843.3	184.4	21.9	4.1	0.9	20.7	0.6	0.2	36.8	931266.9	15197.8	1.6	380.6	130.3	34.3	12.6	2.8	22.5	26.0	2.4	9.2	17,464.1	3,024.2	17.3	83.5	33.9	40.6	17	6.5	38.4	2
	Jc2	576.4	113.0	19.6	3.0	0.6	19.6	0.3	0.1	39.2	914633.4	15571.5	1.7	172.8	42.2	24.4	32.5	5.2	16.1	10.0	1.8	17.9	57,127.0	9,339.3	16.3	114.8	30.7	26.7	6	1.1	17.7	3
	Ob2	2114.6	683.0	32.3	6.3	1.8	29.2	0.4	0.2	47.4	462056.4	147431.2	31.9										474,330.4	182,436.9	38.5	139.4*	62.0*	44.5			1	
	Tl2	643.1	166.2	25.8	3.2	0.5	14.9	0.4	0.2	44.3	835088.8	16175.2	1.9	211.3	35.4	16.8	37.7	5.2	13.8	6.0	1.5	23.8	10,133.2	1,589.4	15.7	103.8	27.6	26.6	22	6.1	27.3	1
	Pm2	788.8	194.9	24.7	4.0	0.9	21.7	2.2	0.7	31.9	795000.9	11056.1	1.4	276.6	78.4	28.4	10.0	2.5	24.6	30.0	2.2	7.1	123,607.5	5,253.5	4.3	66.8	19.4	29.0	26	6.0	23.1	2
	Ms2	803.4	249.7	31.1	4.0	0.8	19.4	1.1	0.4	33.3	791584.6	25491.9	3.2	297.1	95.8	32.2	9.3	2.2	23.2	12.0	2.4	19.1	119,870.1	24,577.4	20.5	177.2	33.3	18.8	6	1.1	17.8	3
	Obac2	2078.9	573.1	27.6	17.7	5.4	30.4	2.6	1.3	48.2	437116.8												639,452.9			62.7*	12.0*	19.1			1	
3	Ps2	752.2	299.0	39.8	3.4	0.6	18.5	1.3	0.7	50.9	776380.5	19580.2	2.5	310.7	159.0	51.2	52.2	23.0	44.1	9.0	2.1	22.7	30,357.9	10,044.5	33.1	93.4	32.0	34.2	8	1.7	21.7	3
	Pa2	847.9	225.7	26.6	6.2	1.5	23.7	1.6	0.6	34.3	887949.5	20798.5	2.3	366.8	140.3	38.3	25.4	4.8	18.8	25.0	1.8	7.2	32,276.5	6,001.3	18.6	91.1	27.2	29.8	17	3.6	21.0	1
	Ob3	2344.9	788.9	33.6	12.0	2.8	23.6	2.6	1.3	47.5	515640.0	225488.0	43.7										483,167.7	237,981.8	49.3	135.9*	26.7*	19.6			1	

Plot	Species	Fiber Length (μm)			Fiber Wall Thickness (μm)			Runkel Ratio			Fiber Area ($\mu\text{m}^2 \text{ mm}^{-2}$)			Ray Height (μm)			Ray Width (μm)			Ray Frequency (# mm^{-1})			Axial Parenchyma Area ($\mu\text{m}^2 \text{ mm}^{-2}$)			Vessel Diameter (μm)			Vessel Density (# mm^{-2})			n
		$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	
	Am3	2252.6	799.6	35.5	8.0	2.2	27.3	2.2	1.2	52.5	620777.6	22613.8	3.6										371,450.0	31,781.5	8.6	139.4*	62.0*	44.5				1
	Jc3	715.5	145.2	20.3	3.4	0.8	23.8	0.4	0.1	40.8	847015.1	24902.4	2.9	439.0	129.3	29.5	32.3	3.7	11.5	8.0	1.4	16.1	49,281.9	13,338.5	27.1	160.2	33.9	21.2	3	0.5	16.1	3
	Gf3	783.1	183.8	23.5	4.1	0.8	19.8	1.0	0.5	47.1	720720.7	38329.1	5.3	778.3	302.7	38.9	89.0	21.3	24.0	5.0	0.7	14.5	76,342.3	13,674.8	17.9	84.5	21.9	25.9	10	2.1	21.6	2
	Pmin3	639.5	163.3	25.5	3.1	0.7	23.2	0.6	0.3	44.6	728025.5	66606.2	9.1	229.7	100.6	43.8	31.5	6.4	20.2	8.0	0.9	11.2	180,291.2	59,223.6	32.8	114.1	35.3	30.9	10	3.1	32.6	3
	At3	810.1	158.9	19.6	3.2	0.8	24.6	0.3	0.1	44.6	926747.4	8929.3	1.0	399.3	109.6	27.4	11.1	2.1	19.0	27.0	2.6	9.4	36,290.3	4,537.5	12.5	93.8	35.3	37.7	13	3.4	25.6	3
	Aj3	586.4	153.9	26.2	1.8	0.5	25.8	0.3	0.1	32.7	836926.8	29264.7	3.5	92.7	23.8	25.6	11.0	2.4	21.8	9.0	2.4	26.6	123,110.2	25,656.6	20.8	100.6	31.6	31.4	11	1.9	17.8	3
	Sg3	526.0	111.3	21.2	2.5	0.4	16.6	0.5	0.1	27.3	883564.7	25235.1	2.9	132.9	25.3	19.0	12.0	2.6	22.0	18.0	2.0	11.2	38,711.3	13,492.3	34.9	98.6	25.7	26.1	12	1.8	14.7	2
	Dmo3	785.8	181.2	23.1	4.0	0.7	18.7	0.8	0.2	23.5	792514.7	25438.8	3.2	348.6	127.9	36.7	51.0	8.3	16.2	5.0	1.1	24.0	15,751.3	2,662.0	16.9	69.5	20.7	29.8	31	3.3	10.6	2
	Bm3	785.2	134.7	17.2	2.6	0.5	19.3	0.6	0.2	36.3	749451.4	20256.8	2.7	520.5	355.7	68.3	34.8	8.5	24.5	8.0	1.1	13.9	43,598.9	2,354.4	5.4	72.6	23.7	32.7	20	5.8	28.5	2
	Ha3	795.4	203.4	25.6	3.3	0.7	20.6	0.5	0.2	33.8	949596.6	7660.0	0.8	197.4	46.6	23.6	12.0	2.7	22.4	17.0	2.0	11.6	16,683.4	133.8	0.8	58.8	17.8	30.2	28	4.5	16.3	2

Table S2. Species, traits, and values in Igapo forests. Acronyms: $\bar{X}$, Mean; SD, Standard Deviation; CV, Coefficient of Variation; n, Individuals.

Plot	Species	Fiber Length (μm)			Fiber Wall Thickness (μm)			Runkel Ratio			Fiber Area ($\mu\text{m}^2 \text{mm}^{-2}$)			Ray Height (μm)			Ray Width (μm)			Ray Frequency (# mm^{-1})			Axial Parenchyma Area ($\mu\text{m}^2 \text{mm}^{-2}$)			Vessel Diameter (μm)			Vessel Density (# mm^{-2})			n
		$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	$\bar{X}$	SD	CV	
4	Tt4	555.3	115.4	20.8	2.2	0.5	22.2	0.9	0.4	41.9	783607.0	57464.4	7.3	94.4	26.7	28.3	11.0	2.9	26.7	8	2.0	21.3	135323.7	30362.1	22.4	96.2	35.0	36.6	15	3.0	17.5	3
	Tv4	561.7	95.3	17.0	1.8	0.4	23.2	0.7	0.3	44.8	783760.5	71905.2	9.2	103.6	38.5	37.2	11.0	1.9	16.9	21	2.0	9.5	121544.2	17977.8	14.8	80.9	23.4	29.0	20	5.1	25.1	2
	Cp4	622.5	93.3	15.0	2.5	0.4	17.4	0.6	0.3	41.5	787717.8	32390.7	4.1	242.4	93.8	38.7	26.5	5.9	22.1	11	1.0	12.9	152590.5	39233.3	25.7	64.4	15.4	23.9	20	7.2	36.5	2
	Gb4	727.0	163.6	22.5	2.6	0.5	20.7	0.4	0.2	41.5	645947.3	21929.8	3.4	431.6	153.5	35.6	88.0	23.0	26.1	5	0.7	13.3	142835.7	22494.0	15.7	88.9	26.2	29.5	11	2.7	24.9	4
	Mt4	569.4	86.0	15.1	2.4	0.6	24.0	0.7	0.3	43.4	936963.7	14394.7	1.5	273.8	64.4	23.5	11.7	2.1	17.7	29	3.5	12.2	20438.3	4070.4	19.9	74.7	22.1	29.6	17	3.6	21.2	2
	Cl4	646.5	141.9	22.0	2.4	0.5	22.4	0.7	0.3	36.7	833519.1	19591.1	2.4	183.4	54.2	29.6	11.3	3.6	31.8	16	2.3	14.4	63466.9	20614.0	32.5	93.1	25.4	27.3	26	5.4	21.1	2
	Mt5	586.0	87.7	15.0	2.8	0.4	15.8	0.7	0.2	36.4	872031.4	16987.3	1.9	302.0	78.7	26.0	9.8	2.1	21.0	34	5.1	14.9	54724.3	20629.5	37.7	71.7	30.2	42.0	26	10.5	40.8	2
	Hh5	716.9	143.2	20.0	3.0	0.5	15.6	1.0	0.4	39.6	892463.7	16253.2	1.8	195.5	87.0	44.5	11.3	2.6	23.3	27	2.9	10.7	61904.6	7322.7	11.8	91.0	28.4	31.2	14	2.2	15.2	3
5	Tt5	570.6	116.0	20.3	1.8	0.4	23.7	0.5	0.3	53.9	828373.2	6211.5	0.7	154.7	45.9	29.7	10.5	2.2	20.5	14	3.3	23.6	86857.4	8059.1	9.3	79.2	35.7	45.0	22	3.6	16.9	2
	Dm5	674.4	120.4	17.9	7.3	1.1	14.9	2.0	0.3	14.7	867411.4	18846.3	2.2	226.7	78.2	34.5	13.3	3.9	29.5	23	2.3	10.0	32273.6	11120.0	34.5	52.8	14.4	27.2	63	16.5	26.0	1
	Ep5	737.7	162.6	22.0	2.3	0.5	21.8	0.9	0.3	39.3	744554.5	61170.5	8.2	281.3	125.6	44.6	27.0	7.3	27.0	18	1.3	6.9	215535.8	55566.2	25.8	60.6	24.2	39.9	15	3.0	19.4	3
	Cl5	708.2	168.6	23.8	2.6	0.5	19.0	0.5	0.1	30.5	753110.1	437.9	0.1	208.0	82.4	39.6	11.2	2.7	24.3	22	3.0	13.8	117924.3	2934.9	2.5	85.7	28.3	33.1	27	4.8	17.8	2
	Tv5	501.3	91.5	18.2	2.6	0.5	21.0	0.6	0.3	48.0	885325.9	13652.9	1.5	165.2	27.3	16.5	12.1	2.6	21.3	11	3.1	27.7	66204.1	11497.6	17.4	61.9	24.0	38.8	23	9.0	39.3	2

Table S3. Species and qualitative wood traits in both forests. Acronyms: S, solitary; SRM, short radial multiples; LRM, large radial multiples; C, clusters.

Forest	Plot	Species	Contents		Parenchyma Type		Vessel Grouping		Tracheids	Perforation Plates
			Main	Others	Main	Others	Description	Proportion		
Terra Firme	1	Ae1	Sands	Tyloses	Diffuse	-	Very Low	S (93%), SRM (2%), C (5%)	Absence	Simple
		Bm1	Silica	Tyloses	Bands	-	Medium High	S (46%), SRM (54%)	Absence	Simple
		Ec1	Silica	Tyloses	Bands	-	Medium Low	S (72%), SRM (17%), C (8%), LRM (3%)	Absence	Simple
		Es1	No Contents	Tyloses	Aliform	-	Low	S (81%), SRM (16%), C (3%)	Absence	Simple
		Gg1	Sands	Tyloses	Diffuse	Scanty Paratracheal	Low	S (86%), SRM (14%)	Presence	Scalariform
		Jc1	Silica	-	Aliform	-	Low	S (84%), SRM (11%), C (5%)	Absence	Simple
		Ms1	Sands	Tyloses	Bands	-	Null	S (100%)	Presence	Simple
		Pm1	Sands	Tyloses	Bands	-	Medium	S (60%), SRM (35%), C (2%), LRM (3%)	Absence	Simple
		Pst1	Silica	Tyloses	Vasicentric	-	Medium Low	S (64%), SRM (28%), LRM (4%), C (4%)	Absence	Simple
	2	Am1	NA	-	NA	-	NA	-	NA	NA
		Cm2	Silica	-	Diffuse	Scanty Paratracheal	High	S (30%), SRM (54%), LRM (4%), C (12%)	Absence	Simple
		Gg2	Sands	-	Diffuse	Scanty Paratracheal	Very Low	S (88%), SRM (7%), LRM (1%), C (4%)	Presence	Scalariform
		Jc2	Silica	-	Aliform	-	Very Low	S (89%), SRM (11%)	Absence	Simple
		Ms2	Sands	-	Bands	-	Null	S (100%)	Presence	Simple
		Pa2	Sands	-	Diffuse	Scanty Paratracheal	Very Low	S (91%), SRM (5%), C (4%)	Absence	Simple
		Pm2	Sands	-	Bands	-	Medium High	S (40%), SRM (43%), LRM (11%), C (6%)	Absence	Simple
		Pst2	Silica	-	Diffuse	Scanty Paratracheal	Very Low	S (91%), SRM (9%)	Absence	Simple
		Ps2	Sands	-	Diffuse	-	Low	S (84%), SRM (12%), C (4%)	Absence	Simple
		TI2	Silica	-	Diffuse	Scanty Paratracheal	Very Low	S (98%), SRM (2%)	Absence	Simple
		Am2	NA	-	NA	-	NA	-	NA	NA

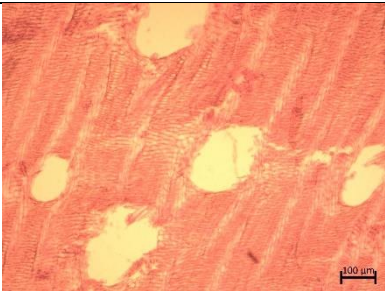
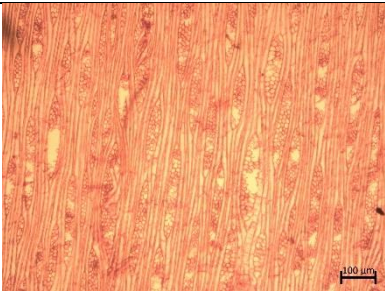
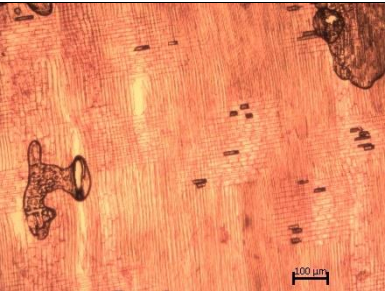
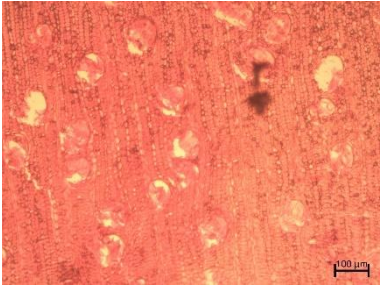
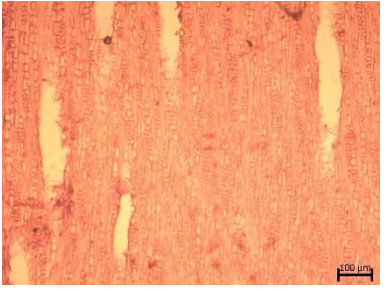
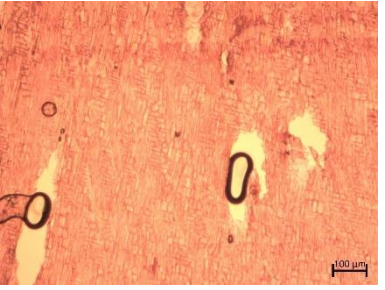
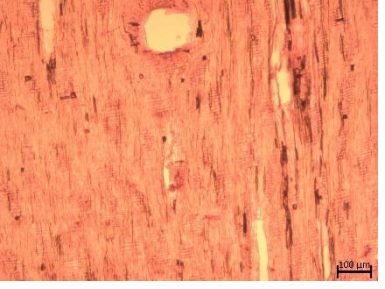
Forest	Plot	Species	Contents		Parenchyma Type		Vessel Grouping		Tracheids	Perforation Plates
			Main	Others	Main	Others	Description	Proportion		
Igapo	3	Ob2	NA	-	NA	-	NA	-	NA	NA
		Obac2	NA	-	NA	-	NA	-	NA	NA
		Aj3	Sands	-	Aliform	-	Low	S (76%), SRM (22%), C (2%)	Absence	Simple
		At3	Sands	-	Bands	Diffuse	High	S (36%), SRM (47%), C (6%), LRM (11%)	Absence	Simple
		Bm3	Silica	Sands	Bands	-	Medium High	S (44%), SRM (56%)	Absence	Simple
		Gf3	Silica	-	Bands	-	Medium	S (62%), SRM (38%)	Absence	Simple
		Ha3	Sands	-	Diffuse	Scanty Paratracheal	High	S (29%), SRM (52%), LRM (13%), C (6%)	Absence	Simple
		Jc3	Silica	Sands	Aliform	-	Null	S (100%)	Absence	Simple
		Pmin3	Sands	-	Aliform	-	Medium Low	S (70%), SRM (29%), C (1%)	Absence	Simple
		Sg3	Sands	-	Vasicentric	-	Low	S (78%), SRM (22%)	Absence	Simple
	4	Dmo3	No Contents	-	Diffuse	Scanty Paratracheal	Medium Low	S (69%), SRM (30%), C (1%)	Absence	Simple
		Am3	NA	-	NA	-	NA	-	NA	NA
		Ob3	NA	-	NA	-	NA	-	NA	NA
		Tt4	Silica	-	Aliform	-	Low	S (79%), C (8%), SRM (13%)	Absence	Simple
		Tv4	Silica	-	Aliform	-	Medium Low	S (74%), SRM (26%)	Absence	Simple
		Cp4	Sands	-	Bands	-	Medium Low	S (67%), C (14%), SRM (18%), LRM (1%)	Absence	Simple
		Gb4	Sands	-	Bands	-	Medium Low	S (74%), SRM (24%), C (2%)	Absence	Simple
		Mt4	Silica	Sands	Bands	Diffuse	Medium Low	S (72%), SRM (28%)	Absence	Simple
		Cl4	Sands	Gums	Unilateral	-	Very Low	S (97%), SRM (3%)	Presence	Simple
		Mt5	Silica	Sands	Bands	-	Medium	S (59%), SRM (27%), LRM (8%), C (6%)	Absence	Simple
	5	Hh5	Sands	-	Bands	-	Very Low	S (89%), SRM (8%), C (3%)	Presence	Simple

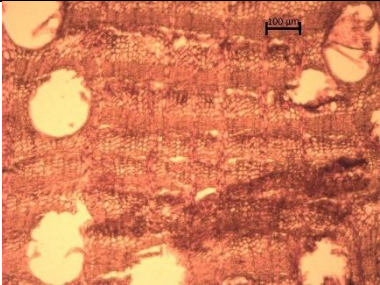
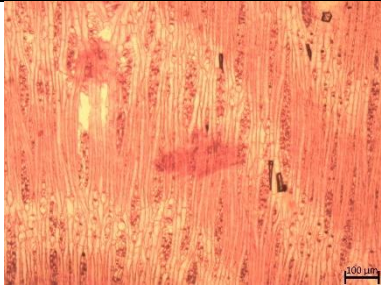
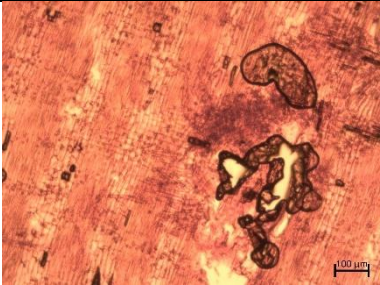
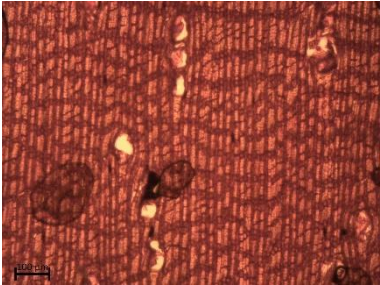
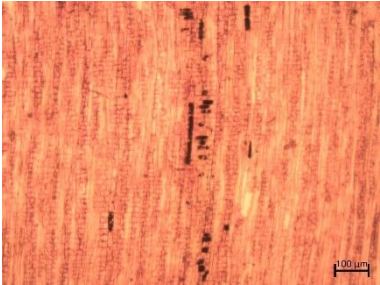
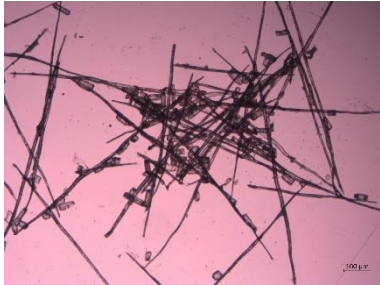
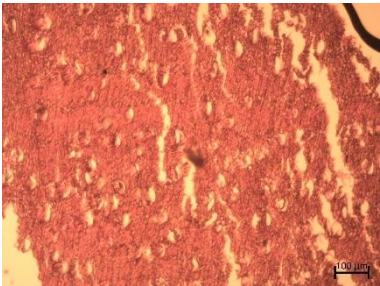
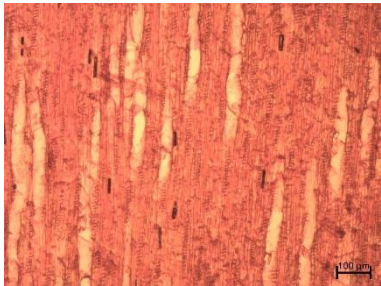
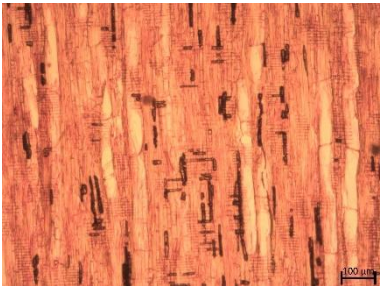
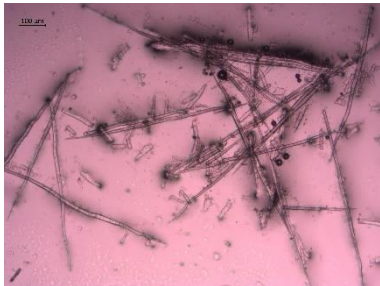
Forest	Plot	Species	Contents		Parenchyma Type		Vessel Grouping		Tracheids	Perforation Plates
			Main	Others	Main	Others	Description	Proportion		
		Tt5	Silica	-	Aliform	-	Medium	S (50%), SRM (39%), C (11%)	Absence	Simple
		Dm5	Sands	-	Bands	Diffuse	Low	S (82%), SRM (11%), C (7%)	Absence	Simple
		Ep5	Sands	Silica	Bands	-	Low	S (76%), SRM (16%), C (4%), LRM (4%)	Absence	Simple
		Cl5	No Contents	-	Unilateral	-	Very Low	S (94%), SRM (4%), C (2%)	Presence	Simple
		Tv5	Sands	Silica	Aliform	-	Medium High	S (46%), SRM (35%), C (15%), LRM (4%)	Absence	Simple

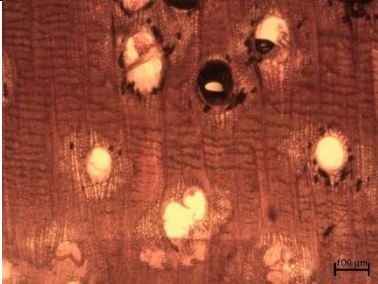
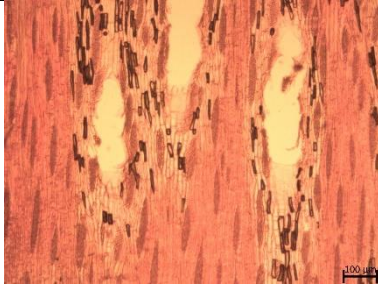
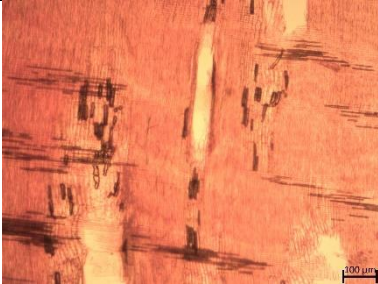
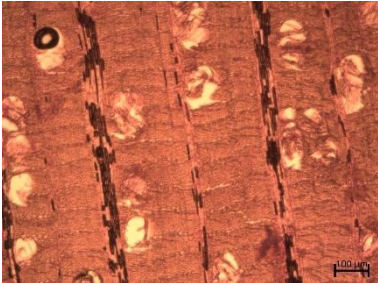
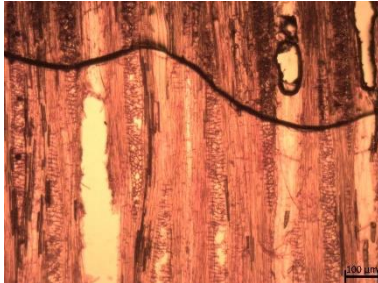
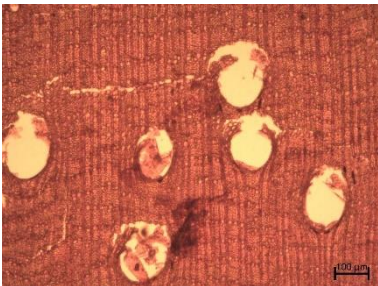
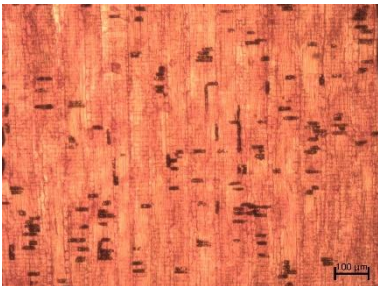
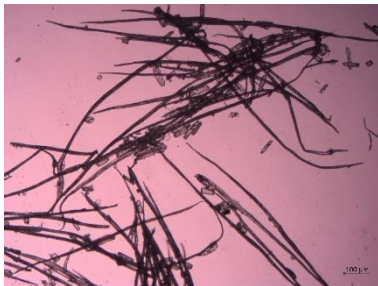
Table S4. Orthogonal contrast test for plant functional types (PFTs) in tropical moist forests of Terra firme and Igapó. Results: -1, significant differences; 1, no significant differences; 0, not related. Acronyms: *, $\alpha < 0.10$; **, $\alpha < 0.05$; ***, $\alpha < 0.01$.

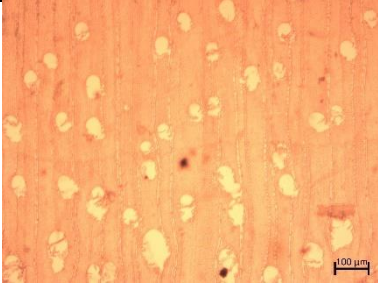
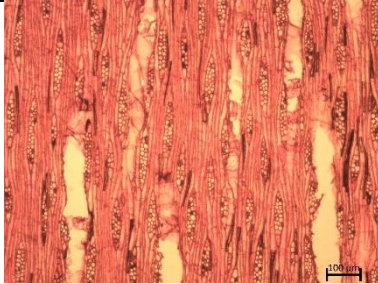
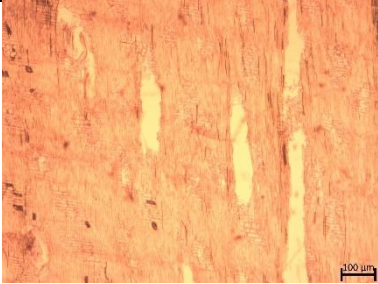
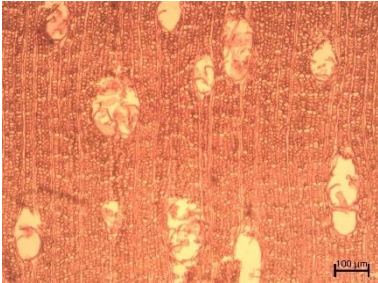
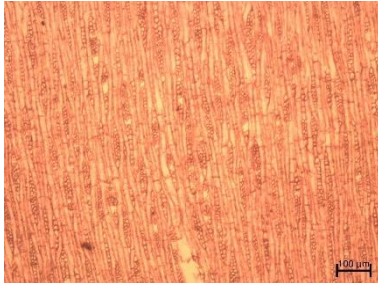
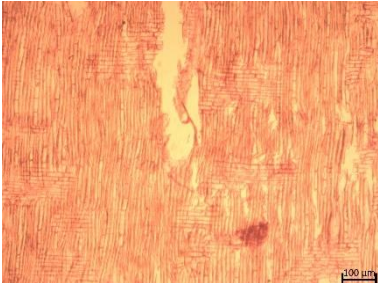
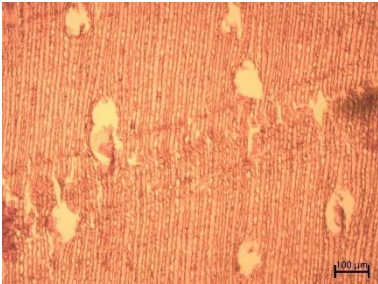
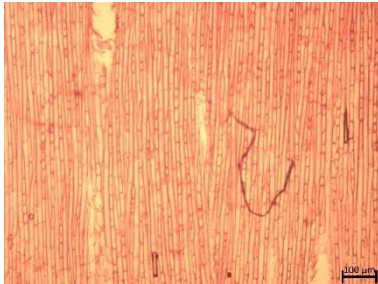
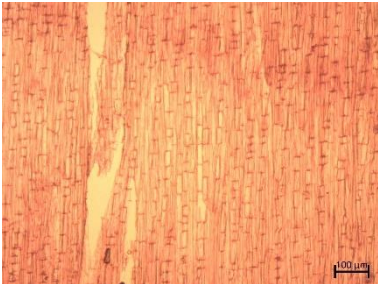
PFTs-Igapo	Intermediate Acquisitive	Intermediate Conservative	Conservative	PFTs-Terra Firme	Intermediate Acquisitive	Intermediate Conservative	Conservative
Intermediate Acquisitive – Intermediate Conservative	1	-1	0	Intermediate Acquisitive – Intermediate Conservative	1	-1	0
Intermediate Acquisitive – Conservative	1	0	-1	Intermediate Acquisitive – Conservative	1	0	-1
Intermediate Conservative - Conservative	0	1	-1	Intermediate Conservative - Conservative	0	1	-1
Explained Variance		35.978		Explained Variance		72.687	
Residuals		96.022		Residuals		213.313	
F-exp		1.873		F-exp		4.089	
p-value		0.020**		p-value		0.001***	

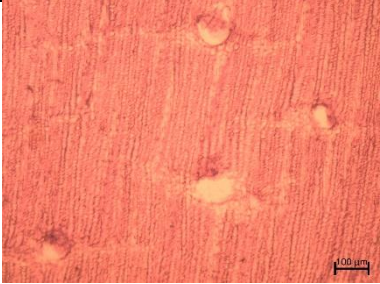
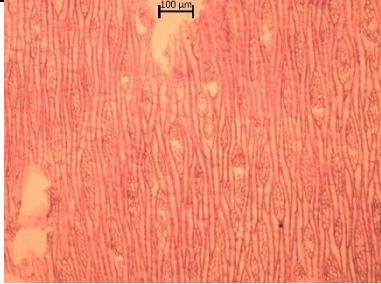
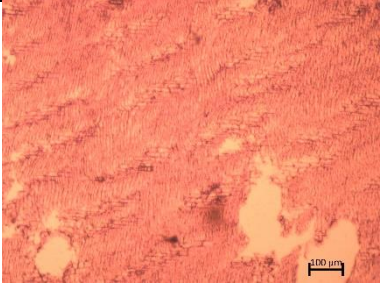
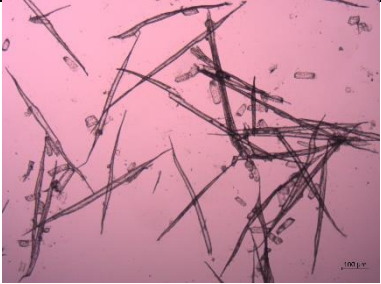
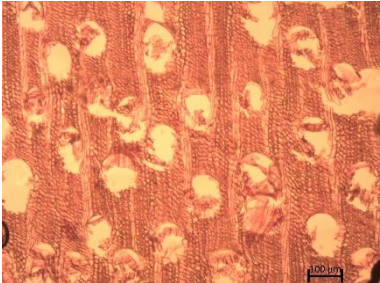
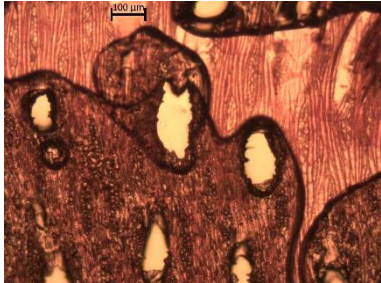
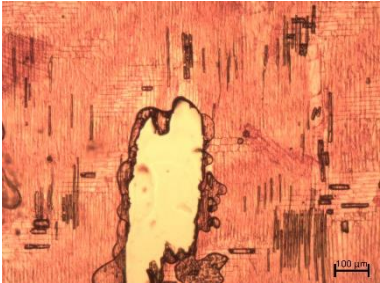
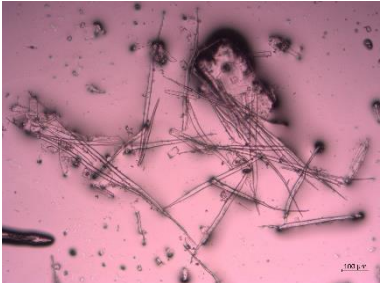
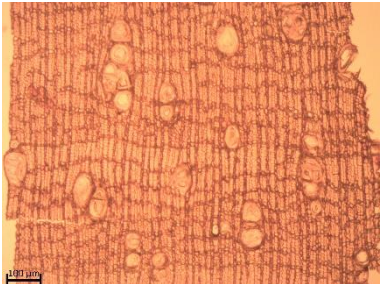
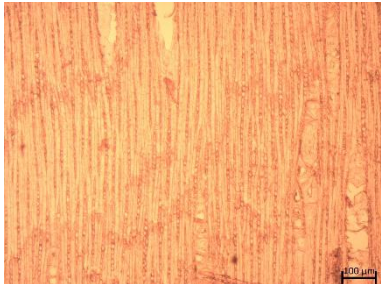
Table S5. Photographic documentation of anatomical preparations in Terra firme forests.

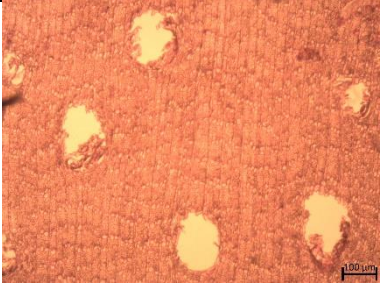
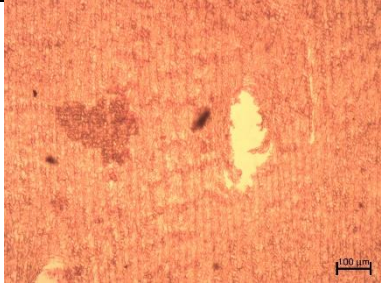
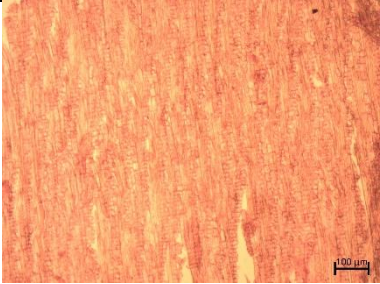
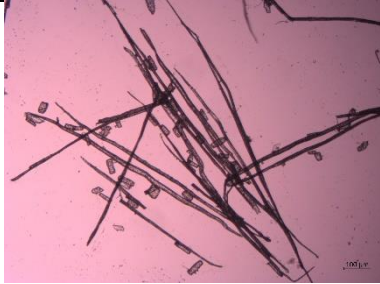
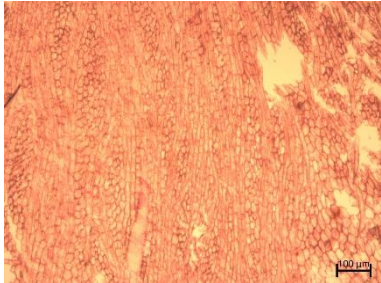
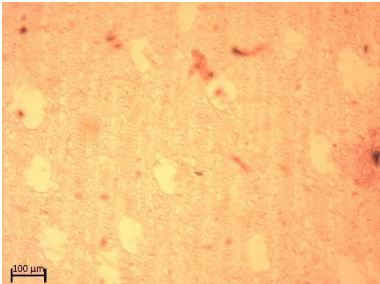
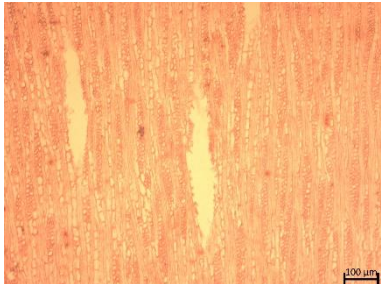
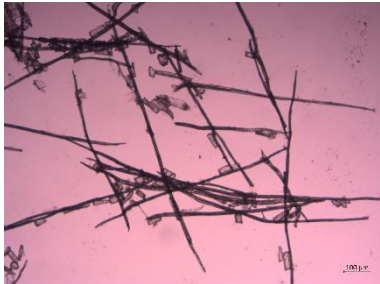
Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
1	Jc1				
	Gg1				
	Pst1				

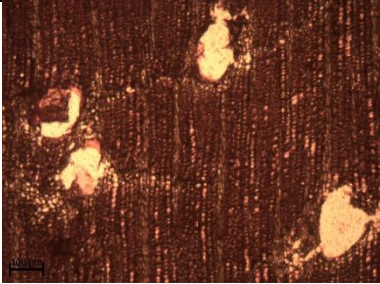
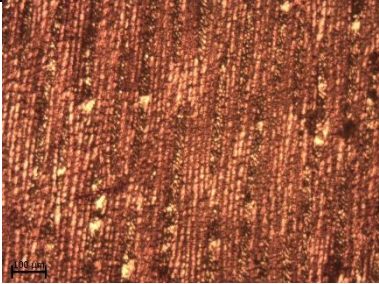
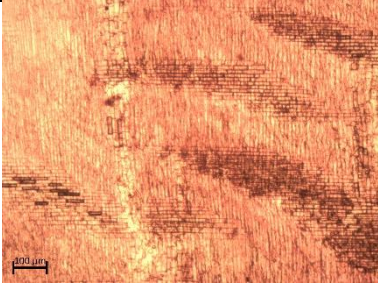
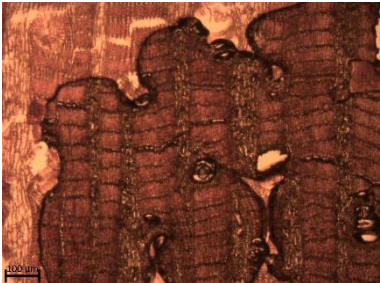
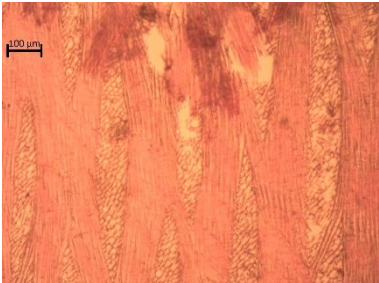
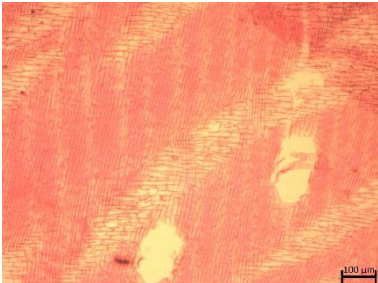
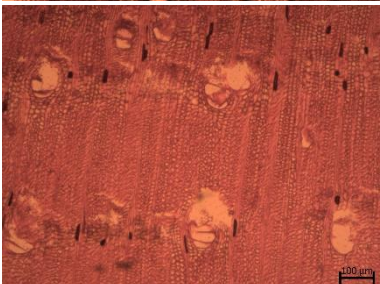
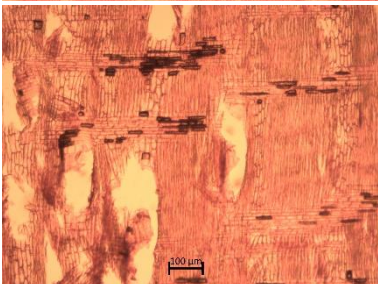
Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
	Ec1				
	Pm1				
	Ae1				

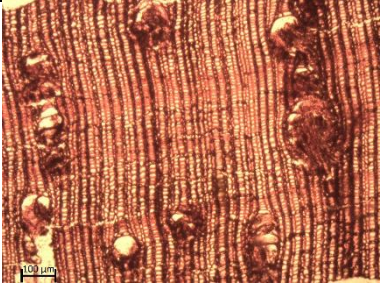
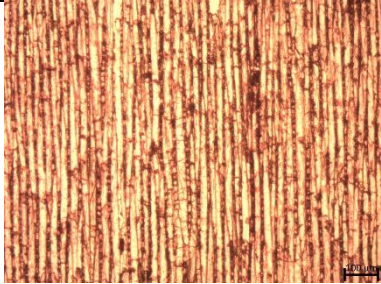
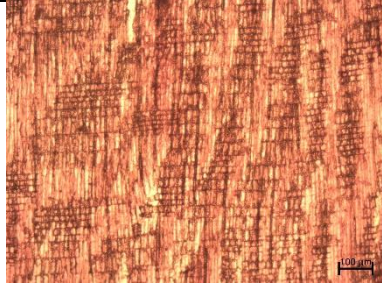
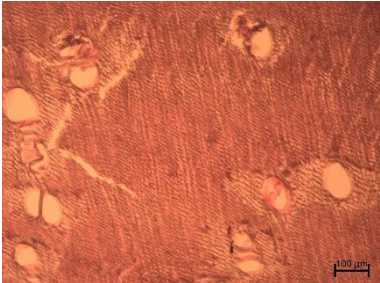
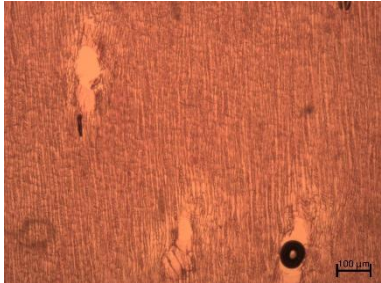
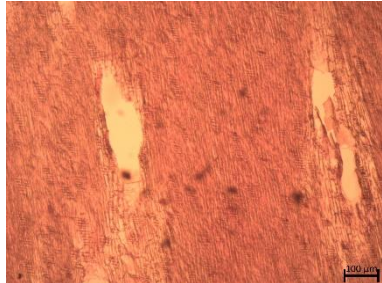
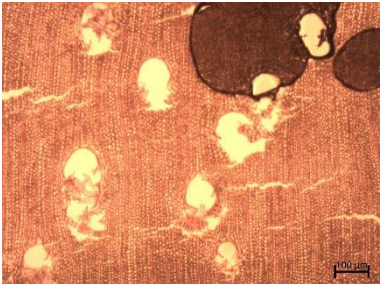
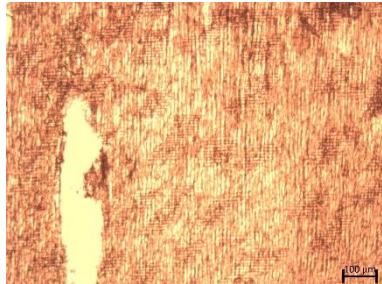
Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
	Es1				
	Bm1				
	Ms1				

Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
2	Pst2				
	Cm2				
	Gg2				

Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
	Jc2				
	Tl2				
	Pm2				

Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
	Ms2				
	Ps2				
	Pa2				

Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
3	Jc3				
	Gf3				
	Pmin3				

Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
	At3				
	Aj3				
	Sg3				

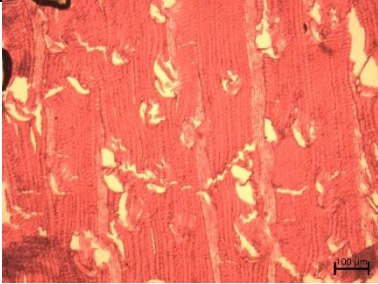
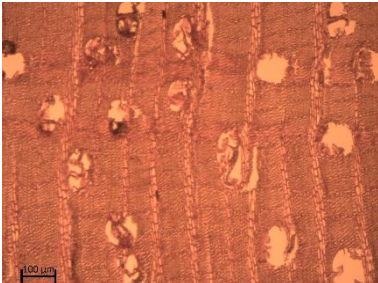
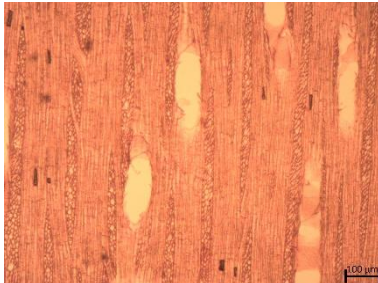
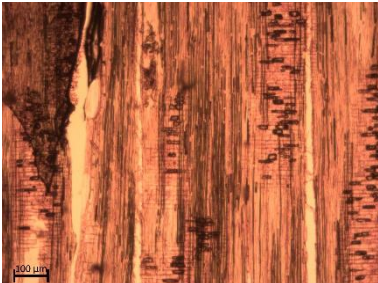
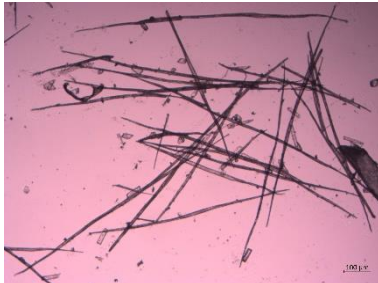
Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
	Dmo3				
	Bm3				
	Ha3				

Table S6. Photographic documentation for palms in Terra firme forests.

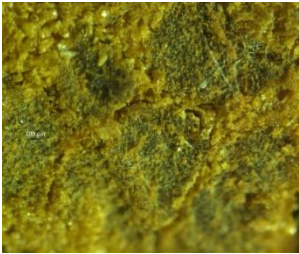
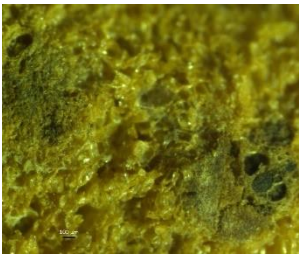
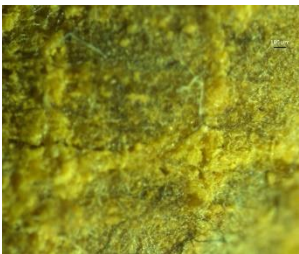
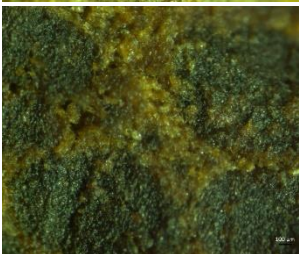
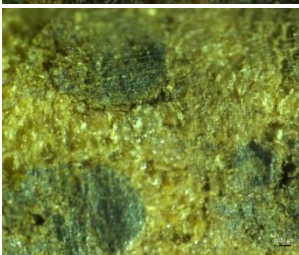
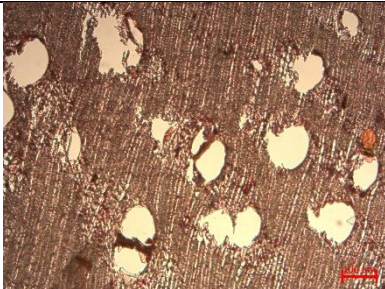
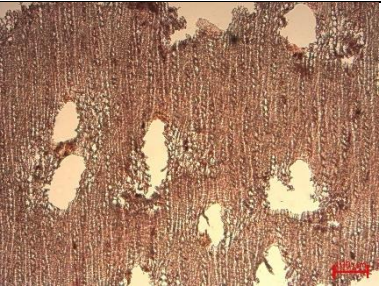
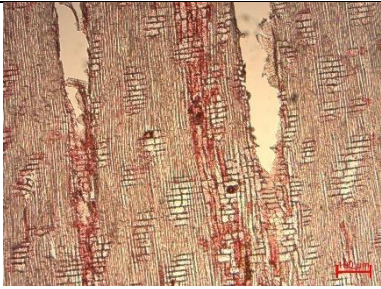
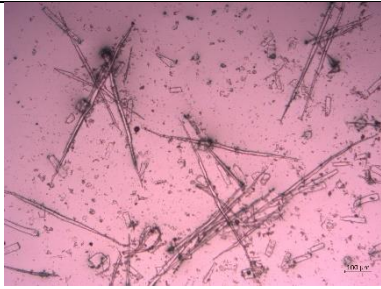
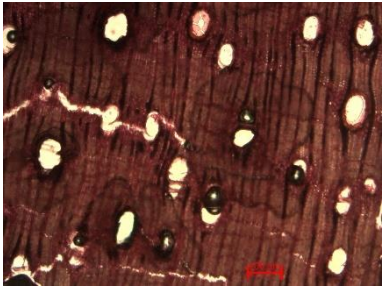
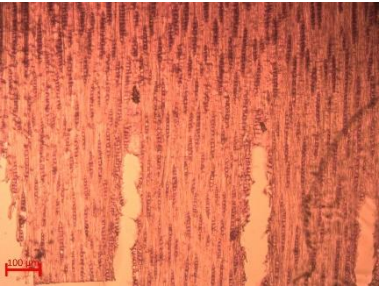
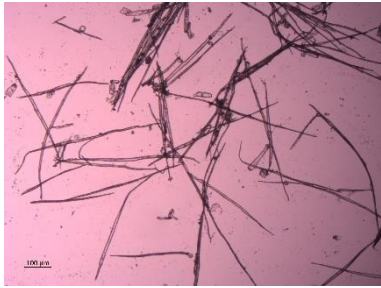
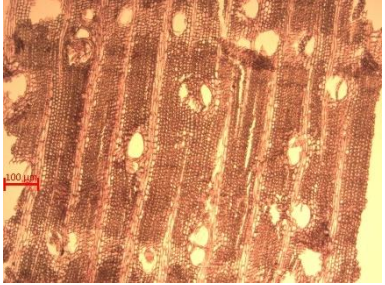
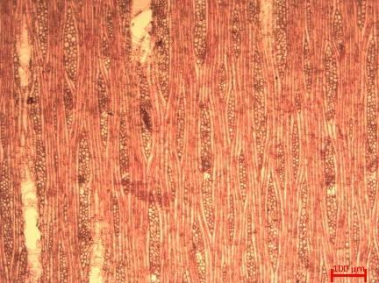
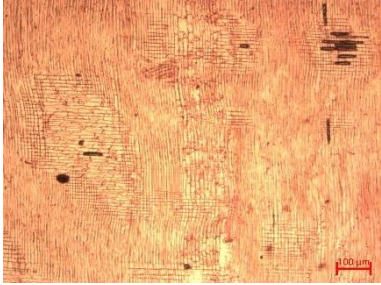
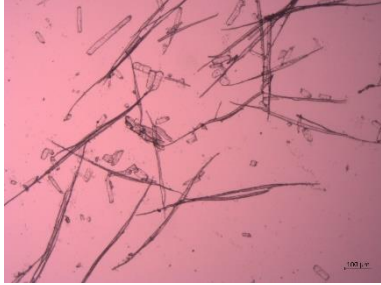
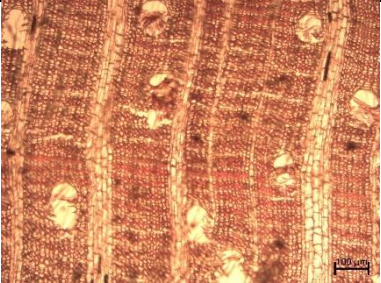
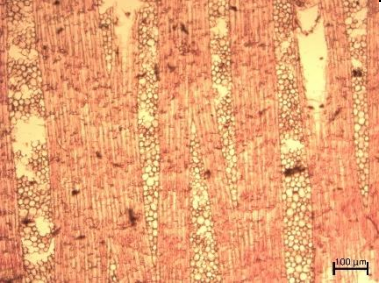
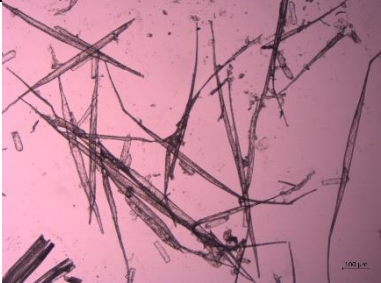
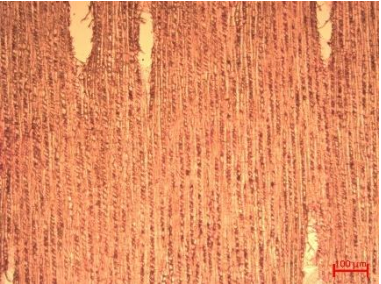
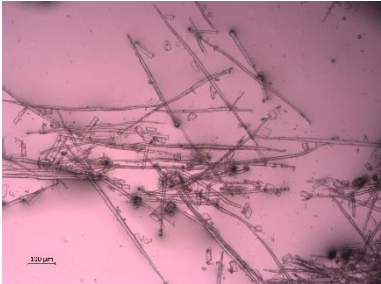
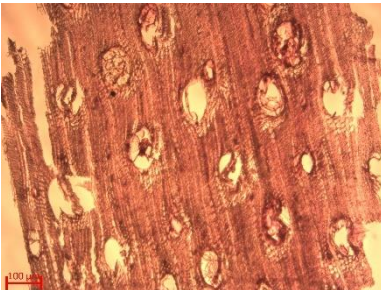
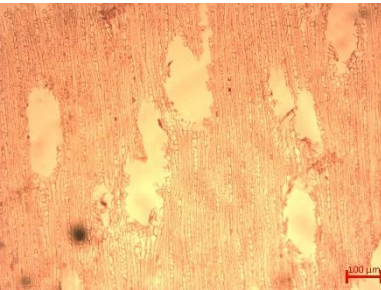
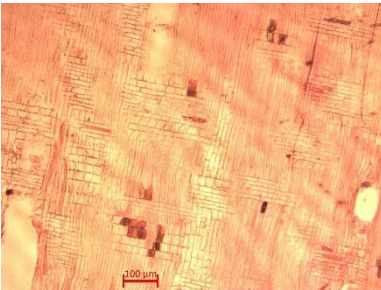
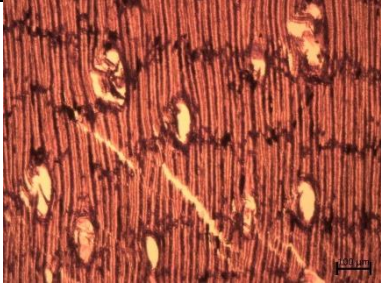
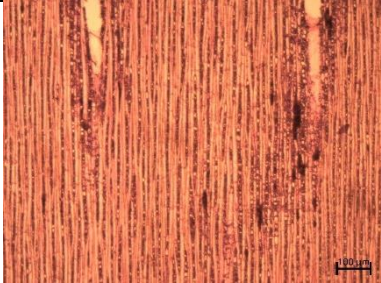
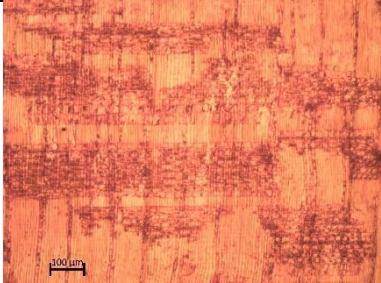
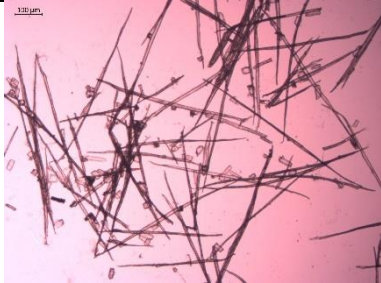
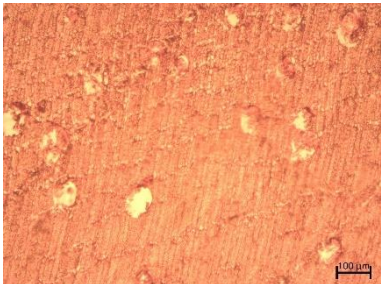
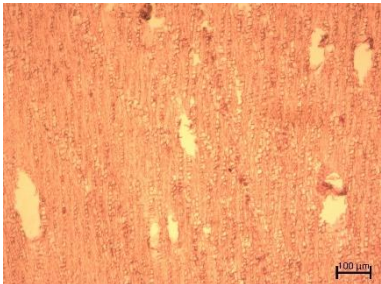
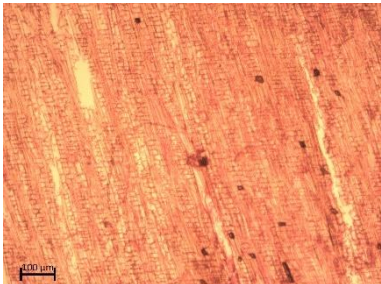
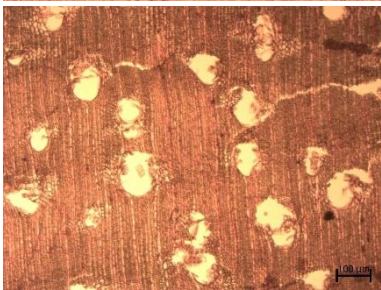
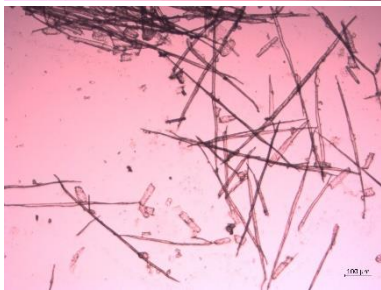
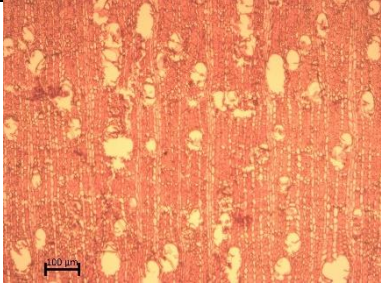
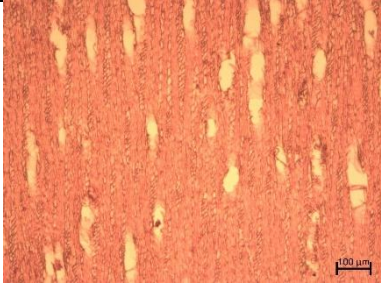
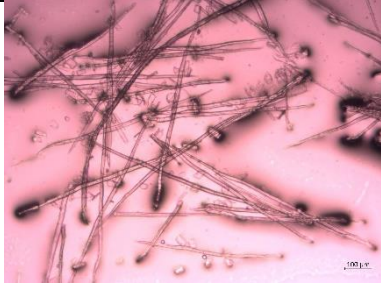
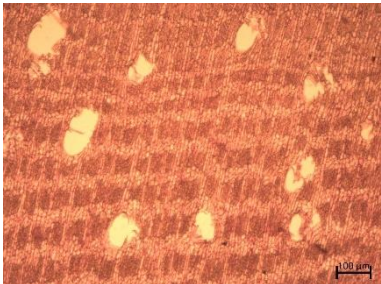
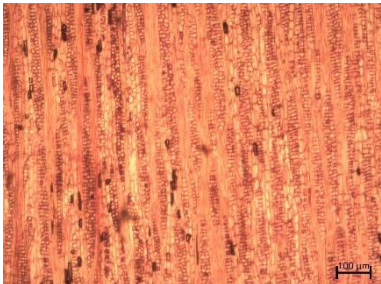
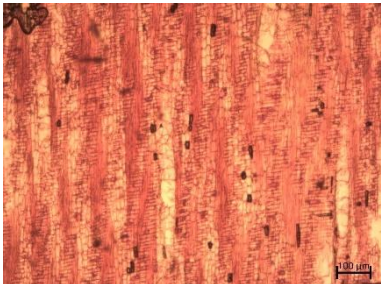
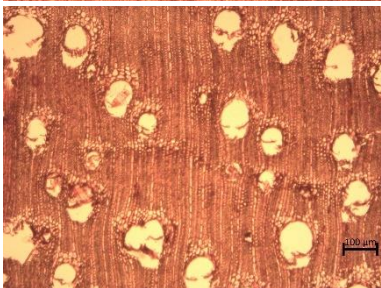
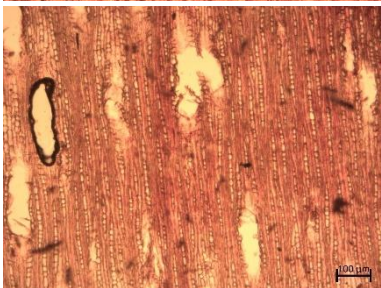
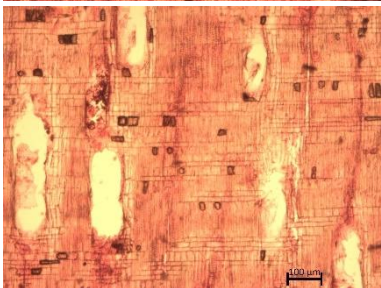
Plot	Species	Transverse Section
1	Am1	
	Am2	
2	Ob2	
	Obac2	
	Am3	
3	Ob3	

Table S7. Photographic documentation of anatomical preparations in Igapó forests.

Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
4	Tt4				
	Tv4				
	Cp4				

Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
	Gb4				
	Mt4				
	Cl4				

Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
5	Mt5				
	Hh5				
	Tt5				

Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
	Dm5				
	Ep5				
	Cl5				

Plot	Species	Transverse Section	Tangential Section	Radial Section	Maceration
	Tv5	