

Table S1. Geographic coordinates and diameter at breast height (DBH) from trees collected in Paraiso and Arimum communities

Scientific name	Code	Geographic Coordinates		DBH (cm)
		Latitude	Longitude	
<i>Aniba</i> sp.	PR	S02°17'35.6"	W052°35'10.5"	60.0
<i>Roupala</i> sp.	LV	S02°00'29.6"	W052°27'09.5"	89.0
<i>Ocotea</i> sp.	LR	S02°17'41.2"	W052°35'17.6"	56.0
<i>Ocotea</i> sp.	LPI	S02°00'31.9"	W052°27'09.5"	70,0
<i>Nectandra</i> sp.	LP	S02°02'28.6"	W052°24'38.4"	89.0
<i>Euplassa</i> sp.	LB	S02°00'35.0"	W052°27'06.0"	76.0
<i>Mezilaurus</i> sp.	ITA	S02°19'48.4"	W052°30'57.3"	68.0
<i>Mezilaurus</i> sp.	IT	S02°00'34.2"	W052°26'53.8"	60.0

Table S2. Main statistical results of “species in each anatomical section”

Colorimetric Parameters	Unfolding analysis
L*	a) Mean from LB - <i>Euplassa</i> sp. and LV - <i>Roupala</i> sp. differ statistically only for radial surface; b) On radial and transversal surface, means of ITA - <i>Mezilaurus</i> sp. and PR - <i>Aniba</i> sp. were equal; c) On tangential and transversal surface, means of LR - <i>Ocotea</i> sp. and LPI - <i>Ocotea</i> sp. were equal.
a*	a) On radial and tangential surface, IT - <i>Mezilaurus</i> sp. has significantly higher means, and LV - <i>Roupala</i> sp. and LP - <i>Nectandra</i> sp., have statistically lower means, equal between each other; b) In transversal section, IT - <i>Mezilaurus</i> sp., ITA - <i>Mezilaurus</i> sp. and LB - <i>Euplassa</i> sp. have statistically equal means, while species are equal between each other.
b*	a) IT - <i>Mezilaurus</i> sp. has significantly higher means in all anatomical levels; b) LV - <i>Roupala</i> sp. has significantly lower means in all anatomical levels.
C*	a) IT - <i>Mezilaurus</i> sp. has significantly higher means in all anatomical levels; b) LV - <i>Roupala</i> sp. has significantly lower means in all anatomical levels; c) ITA - <i>Mezilaurus</i> sp., LPI - <i>Ocotea</i> sp. and LR - <i>Ocotea</i> sp. have equal means in radial and tangential sections.
h	a) LR - <i>Ocotea</i> sp. has higher mean in all anatomical levels; b) LV - <i>Roupala</i> sp. has statistically lower means in all anatomical sections.

Table S3. Main results of “anatomical sections in each species level”

Colorimetric Parameters	Unfolding analysis
L*	a) Means of LB - <i>Euplassa</i> sp., LPI - <i>Ocotea</i> sp. and LP - <i>Nectandra</i> sp. are significantly lower on transversal surface; b) Means of LR - <i>Ocotea</i> sp., ITA - <i>Mezilaurus</i> sp. and PR - <i>Aniba</i> sp. are significantly higher on radial surface.
a*	a) Means are lower on transversal surface, except for LB - <i>Euplassa</i> sp.
b*	a) LR - <i>Ocotea</i> sp., LPI - <i>Ocotea</i> sp., IT - <i>Mezilaurus</i> sp. and ITA - <i>Mezilaurus</i> sp. have lower means on transversal surface; b) LB - <i>Euplassa</i> sp. and LV - <i>Roupala</i> sp. do not have statistical differences between sections.
C*	a) LR - <i>Ocotea</i> sp., LPI - <i>Ocotea</i> sp., IT - <i>Mezilaurus</i> sp., LP - <i>Nectandra</i> sp., PR - <i>Aniba</i> sp. and ITA - <i>Mezilaurus</i> sp. have lower means on transversal surface; b) Means of LB - <i>Euplassa</i> sp. and LV - <i>Roupala</i> sp. do not have statistical differences between anatomical surface levels.
h	a) LB - <i>Euplassa</i> sp., LV - <i>Roupala</i> sp., IT - <i>Mezilaurus</i> sp. and LP - <i>Nectandra</i> sp. do not have statistical differences between anatomical surface levels.