

Table S1. Identity tests for models adjusted for total height (ht) and crown diameter (dc) for *Dipteryx* spp. in Eastern Amazonia, considering the group formed between AFS 1 and 4 stands.

Model	System	β_0	β_1	β_2	F	p-value
$\ln(dc) = \beta_0 + \beta_1 \ln(dbh) + \varepsilon$	R(H ₀)	-0.38460	0.85786	-		
	AFS 1 and 4	0.42463	0.57355	-	13.49	0.000
	Others	-0.45036	0.85887	-		
$\ln(dc) = \beta_0 + \beta_1 \ln(dbh) + \beta_2 \ln(ht) + \varepsilon$	R(H ₀)	-0.74172	0.57917	0.48104		
	AFS 1 and 4	0.04582	0.48385	0.27393	6.57	0.000
	Others	-0.69462	0.63418	0.36959		
$\ln(ht) = \beta_0 + \beta_1 \ln(dbh) + \varepsilon$	R(H ₀)	0.74204	0.57950	-		
	AFS 1 and 4	1.38288	0.32745	-	7.89	0.001
	Others	0.66057	0.60808	-		
$\ln(ht) = \beta_0 + \beta_1 \ln(dbh) + \beta_2 \ln(dc) + \varepsilon$	R(H ₀)	0.81369	0.42042	0.18526		
	AFS 1 and 4	1.30327	0.21992	0.18748	3.05	0.0306
	Others	0.72272	0.48999	0.13737		

R(H₀): Reduced model; β_n : coefficients estimated by the model; F : calculated F -value; p-value: p-value at 5% significance (alpha = 0.05). The hypothesis tested was $H_0: [\beta_n]_1 = [\beta_n]_2$.

Table S3. Estimated coefficients and fit statistics of linear and multiple regression models for crown diameter (dc) in stands non-significant (5% significance) of *Dipteryx spp.* in the Eastern Amazon

Model	System	β_0	β_1	β_2	$R^2_{adj.}$	S_{yx}	p-value
$\ln(dc) = \beta_0 + \beta_1 \ln(dbh) + \varepsilon$	AFS 1	0.92514	0.32338	-	0.073	0.152	0.1030
	AFS 4	1.63735	0.12864	-	0.004	0.106	0.3050
$\ln(dc) = \beta_0 + \beta_1 \ln(dbh) + \beta_2 \ln(ht) + \varepsilon$	AFS 1	0.08666	0.23734	0.49172	0.135	0.147	0.0928
	AFS 4	1.52162	0.10213	0.08231	0.028	0.107	0.3131

β_n : coefficients estimated by the model; $R^2_{adj.}$: adjusted coefficient of determination; S_{yx} : standard error of estimated total height in meters; p-value: p-value at 5% significance (alpha = 0.05).