

Digital Appendix

Family, species, number of trees per species (N), diameter at breast height, DBH and mean monthly undetrended tree growth (raw data) per species, T_{GR} over the years 2013-2017. Mean across trees: $T_{GR} = 0.105 \pm 0.11 \text{ mm month}^{-1}$ and diameter (DBH) = 23.1 \pm 11.8 cm

Family	Species	N	DBH (cm)	T_{GR} (mm month ⁻¹)
Anacardiaceae	<i>Tapirira</i> spp.	2	20.5	0.045
	unknown spp.	2	54.9	0.086
Anisophylleaceae	<i>Anisophyllea manausensis</i> Pires & W.A.Rodrigues	2	30.7	0.097
Annonaceae	<i>Duguetia stelechantha</i> (Diels) R.E.Fr.	2	30.2	0.187
	<i>Duguetia</i> spp.	3	12.7	0.021
	<i>Unonopsis</i> spp.	3	18.1	0.062
	unknown spp.	3	14.8	0.063
Apocynaceae	unknown spp.	2	25.0	0.15
Bignoniaceae	<i>Jacaranda copaia</i> (Aubl.) D.Don	2	34.0	0.042
Boraginaceae	<i>Cordia</i> spp.	3	22.9	0.051
Bursaceae	<i>Protium apiculatum</i> Swart	4	20.6	0.141
	<i>Protium hebetatum</i> D.C. Daly	7	13.8	0.06
	<i>Dacryodes</i> spp.	3	21.6	0.189
	<i>Protium</i> spp.	11	15.6	0.13
	<i>Trattinnickia</i> spp.	2	28.1	0.207
Chrysobalanaceae	<i>Licania canescens</i> Benoist	3	34.2	0.182
	<i>Licania</i> spp.	5	25.0	0.136
Combretaceae	<i>Buchenavia macrophylla</i> Spruce ex Eichler	2	19.7	0.051
Elaeocarpaceae	<i>Sloanea floribunda</i> Spruce ex Benth.	2	24.4	0.174
Euphorbiaceae	<i>Micrandropsis scleroxylon</i> (W.A. Rodrigues) W.A.Rodrigues	3	36.5	0.145
	<i>Mabea</i> spp.	3	13.8	0.057
Fabaceae	<i>Andira unifoliolata</i> Ducke	2	30.1	0.178
	<i>Swartzia arborescens</i> (Aubl.) Pittier	2	16.3	0.033
	<i>Abarema</i> spp.	3	24.0	0.123
	<i>Inga</i> spp.	6	19.9	0.138
	<i>Stryphnodendron</i> spp.	2	38.0	0.165
	<i>Swartzia</i> spp.	4	20.7	0.012
	<i>Zygia</i> spp.	2	25.8	0.106
	unknown spp.	9	26.3	0.226
Goupiaceae	<i>Goupia glabra</i> Aubl.	2	19.3	0.164
	<i>Gustavia augusta</i> L.	3	17.2	0.032
Lacistemataceae	<i>Lacistema aggregatum</i> (P.J.B ergius) Rusby	4	18.1	0.093
	<i>Lacistema</i> spp.	2	13.1	0.166
Lauraceae	<i>Licaria chrysophylla</i> (Meisn.) Kosterm.	2	27.3	0.102
	<i>Mezilaurus ita-uba</i> (Meisn.) Taub. ex Mez	4	17.1	0.022
	<i>Ocotea cinerea</i> van der Werff	2	17.7	0.111
	<i>Ocotea aciphylla</i> (Nees & Mart.) Mez	2	26.6	0.138
	<i>Licaria</i> spp.	2	14.9	0.048
	<i>Ocotea</i> spp.	5	26.5	0.111
	unknown spp.	5	22.4	0.102
Lecythydaceae	<i>Eschweilera bracteosa</i> (Poepp. ex O.Berg) Miers	11	20.1	0.11
	<i>Eschweilera coriacea</i> (DC.) S.A.Mori	4	25.5	0.155
	<i>Eschweilera grandiflora</i> (Aubl.) Sandwith	3	32.4	0.192
	<i>Eschweilera micrantha</i> (O.Berg) Miers	2	15.2	0.013
	<i>Eschweilera parviflora</i> (Aubl.) Miers	2	19.7	0.032
	<i>Eschweilera pedicellata</i> (Rich.) S.A.Mori	5	22.7	0.08
	<i>Eschweilera rankiniae</i> S.A.Mori	2	26.1	0.197
	<i>Eschweilera wachenheimii</i> (Benoist) Sandwith	3	28.6	0.068

	<i>Eschweilera</i> spp.	12	26.2	0.058
	<i>Lecythis</i> spp.	3	34.2	0.092
Malpighiaceae	<i>Byrsonima duckeana</i> W.R. Anderson	2	28.2	0.469
Malvaceae	<i>Sterculia frondosa</i> Rich.	2	34.6	0.381
	<i>Theobroma sylvestre</i> Aubl. ex Mart. in Buchner	5	12.4	0.021
	unknown spp.	4	25.3	0.06
Melastomataceae	<i>Mouriri</i> spp.	3	30.3	0.024
Moraceae	<i>Brosimum parinarioides</i> Ducke	2	42.3	0.1
	<i>Brosimum riubescens</i> Taub.	2	22.2	0.027
	<i>Pseudolmedia laevis</i> (Ruiz & Pav.) J.F.Macbr.	2	33.6	0.104
	<i>Clarisia</i> spp.	3	31.0	0.128
	unknown spp.	3	25.1	0.075
Myristicaceae	<i>Iryanthera</i> spp.	2	30.7	0.14
	<i>Virola</i> spp.	3	22.8	0.095
Myrtaceae	<i>Calyptranthes cuspidata</i> Mart. ex DC.	2	12.5	0.023
	<i>Calyptranthes macrophylla</i> O.Berg	3	17.4	0.024
	<i>Myrcia grandis</i> McVaugh	2	15.0	0.082
	<i>Myrcia subsericea</i> A.Gray	2	13.8	0.037
	<i>Calyptranthes</i> spp.	3	24.4	0.073
	<i>Eugenia</i> spp.	2	17.8	0.054
	<i>Myrcia</i> spp.	3	20.4	0.039
Nyctaginaceae	<i>Neea</i> spp.	3	21.2	0.07
Olacaceae	<i>Heisteria</i> spp.	2	20.7	0.146
Rhizophoraceae	<i>Cassipourea guianensis</i> Aubl.	3	16.7	0.042
Rubiaceae	<i>Coussarea</i> spp.	2	12.7	0.022
	unknown spp.	4	20.0	0.042
Sapotaceae	<i>Micropholis guyanensis</i> (A.DC.) Pierre	4	29.1	0.131
	<i>Pouteria cladantha</i> Sandwith	3	15.4	0.082
	<i>Pouteria guianensis</i> Aubl.	4	34.9	0.135
	<i>Pouteria reticulata</i> (Engl.) Eyma	2	20.9	0.124
	<i>Micropholis</i> spp.	3	12.9	0.012
	<i>Pouteria</i> spp.	16	28.0	0.133
Ulmaceae	<i>Ampelocera edentula</i> Kuhlmann	2	14.2	0.064
Urticaceae	<i>Pourouma tomentosa</i> Mart. ex Miq.	4	27.0	0.185
Violaceae	<i>Rinorea guianensis</i> Aubl.	3	18.7	0.053
	<i>Rinorea paniculata</i> (Mart.) Kuntze	8	16.3	0.049
	<i>Rinorea racemosa</i> (Mart.) Kuntze	2	13.5	0.076
Vochysiaceae	<i>Erisma bicolor</i> Ducke	2	15.5	0.132
	<i>Qualea acuminata</i> Spruce ex Warm.	2	43.4	0.123
Other families	unknown spp.	27	24.6	0.128