*Supplemental Materials*

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 Four tropical forest inventories of 2000 square meters each in Wao territory, Nushiño and Curaray River basins, carried out in 2019: Appendix 1. ridgetop inventory near Gomatan village; Appendix 2. control site inventory near Gomatan village; Appendix 3. ridgetop inventory near Tepapare village; and Appendix 4. ridgetop inventory near Geyapare village (see Figure 1). Table 4 and Table 5 follow the four inventory lists.

Appendix 1. Ridgetop forest inventory near Gomatan village, ranked in order of dominance (basal area)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FAMILY | SPECIES | area (sq.m.) | n.oc | inds. |
| Malvaceae | *Ceiba insignis* (Kunth) P.E. Gibbs & Semir | 1.767144375 | 1 | 1 |
| Malvaceae | *Theobroma cacao* L. | 1.337297109 | 4 | 4 |
| Moraceae | *Brosimum utile* (Kunth) Oken | 1.012641271 | 3 | 3 |
| Myristicaceae | *Otoba parvifolia* (Markgr.) A.H. Gentry | 0.873800272 | 7 | 10 |
| Apocynaceae | *Aspidospermum rigidum* Rusby | 0.291552118 | 2 | 2 |
| Arecaceae | *Oenocarpus bataua* Mart. | 0.285844635 | 5 | 5 |
| Meliaceae | *Guarea* sp. 8 | 0.246300656 | 1 | 1 |
| Myristicaceae | *Osteophloeum platyspermum* Warb. | 0.234139561 | 1 | 1 |
| Annonaceae | *Guatteria* sp. 2 | 0.212371484 | 1 | 1 |
| Anacardiaceae | Tapirira guianensis Aubl. | 0.209928112 | 1 | 1 |
| Caricaceae | *Jacaratia digitata* Solms | 0.208307052 | 1 | 1 |
|  | *Mollia gracilis* Spruce ex Benth. | 0.172756819 | 1 | 1 |
| Caryocaraceae | *Caryocar harlingii* Prance & Encarn. | 0.162596917 | 1 | 1 |
| Fabceae | *Newtonia* sp. 1 | 0.159042994 | 1 | 1 |
| Rubiaceae | *Simira cordifolia* (Hook. f.) Steyerm. | 0.157573515 | 7 | 8 |
| Annonaceae | *Guatteria ramiflora* (D.R.Simpson) Erkens & Maas | 0.14946193 | 2 | 2 |
| Burseraceae | *Protium picramnioides* Byng & Christenh. | 0.140436927 | 2 | 2 |
| Myristicaceae | *Virola elongata* Warb. | 0.140050511 | 4 | 4 |
| Fabaceae | *Pterocarpus* sp. 1 | 0.138206398 | 2 | 2 |
| Meliaceae | *Guarea pterorhachis* Harms | 0.127063964 | 8 | 11 |
| Fabaceae | *Browneopsis ucayalina* Huber  | 0.125770414 | 3 | 5 |
| Meliaceae | *Trichilia martiana* C. DC. | 0.124410106 | 1 | 1 |
| Arecaceae | *Phytelephas tenuicaulis* (Barfod) A.J. Hend. | 0.119338009 | 16 | 29 |
| Moraceae | *Pourouma guianensis* Aubl. | 0.10292163 | 1 | 1 |
| Phyllanthaceae | *Hieronyma alchorneoides* Allemão | 0.090258666 | 1 | 1 |
| Clusiaceae | *Tovomita* sp. 1 | 0.086048935 | 1 | 1 |
| Annonaceae | *Unonopsis floribunda* Diels | 0.085499157 | 2 | 3 |
| Solanaceae | *Solanum* sp. 1 | 0.079385623 | 2 | 2 |
| Lauraceae | *Endlicheria* sp. 1 | 0.075964432 | 1 | 1 |
| Violaceae | *Leonia glycycarpa* Ruiz & Pav. | 0.073890982 | 3 | 3 |
| Malvacae | *Theobroma subincana* Mart. | 0.071686371 | 3 | 3 |
| Annonaceae | *Guatteria* sp. 1  | 0.068349217 | 1 | 1 |
| Meliaceae | *Guarea* sp. indet. | 0.063347021 | 1 | 1 |
| Sapotaceae | *Micropholis venulosa* Pierre | 0.059395686 | 1 | 1 |
| Lauraceae | *Mezilaurus opaca* Kubitzki & van der Werff | 0.058964503 | 1 | 1 |
| Lecythidaceae | *Grias* sp. 1 | 0.056274516 | 4 | 5 |
| Meliaceae | *Guarea pubescens* A.Juss. | 0.055381519 | 3 | 3 |
| Violaceae | *Leonia crassa* L.B. Sm. & A. Fernández | 0.053463579 | 3 | 3 |
| Sapotaceae | *Chrysophyllum prieurii* A.DC. | 0.051874719 | 1 | 1 |
| Meliaceae | *Guarea* sp. 01 | 0.051471811 | 1 | 1 |
| Stemonuraceae | *Discophora* sp. 1 | 0.049875883 | 1 | 1 |
| Arecaceae | *Astrocaryum chambira* Burret | 0.048547776 | 2 | 2 |
| Sapotaceae | *Chrysophyllum colombianum* (Aubrév.) T.D. Penn. | 0.045996019 | 1 | 1 |
| Meliaceae | *Guarea kunthiana* A.Juss. | 0.044488056 | 1 | 1 |
| Meliaceae | *Trichilia* sp. 2 | 0.043743499 | 1 | 1 |
| Euphorbiaceae | *Sapium marmieri* Huber | 0.043373577 | 1 | 1 |
| Lauraceae | *Aniba* sp. 1 | 0.043373577 | 1 | 1 |
| Unknown family | indet. gen. | 0.041547528 | 1 | 1 |
| Myristicaceae | *Virola caducifolia* W.A. Rodrigues | 0.039408105 | 1 | 1 |
| Nyctaginaceae | *Guapira* sp. 1 | 0.038013239 | 1 | 1 |
| Malvaceae | *Matisia* sp. 1 | 0.03463603 | 1 | 1 |
| Meliaceae | *Trichilia pallida* Sw. | 0.03463603 | 1 | 1 |
| Opiliaceae | aff. *Agonandra* sp. indet.  | 0.034306948 | 1 | 1 |
| Lauraceae | *Pleurothyrium brochidodromum* van der Werff | 0.034165577 | 2 | 2 |
| Annonaceae | *Unonopsis* sp. 1 | 0.03325373 | 2 | 2 |
| Myristicaceae | *Iryanthera laevis* Markgr. | 0.0314159 | 1 | 1 |
| Annonaceae | *Oxandra mediocris* Diels | 0.028952893 | 1 | 1 |
| Meliaceae | *Guarea guidonia* (L.) Sleumer | 0.028401544 | 3 | 3 |
| Fabaceae | aff. *Swartzia pendula* Spruce ex Benth. | 0.02835285 | 1 | 1 |
| Rubiaceae | *Chimarrhis gentryana* Delprete | 0.027464565 | 1 | 1 |
| Ulmaceae | *Ampelocera edentula* Kuhlm. | 0.027435505 | 3 | 3 |
| Annonaceae | *Guatteria* indet. Sp. | 0.026590418 | 1 | 1 |
| Polygonaceae | *Coccoloba densifrons* Mart. ex Meisn. | 0.026302177 | 1 | 1 |
| Rubiaceae | *Simira* sp. 1 | 0.02600137 | 2 | 2 |
| Meliaceae | *Guarea trunciflora* C.DC. | 0.025446879 | 1 | 1 |
| Capparaceae | *Morisonia sola* (J.F.Macbr.) Christenh. & Byng | 0.024225586 | 3 | 3 |
| Meliaceae | *Guarea macrophylla* Vahl | 0.024161969 | 3 | 4 |
| Annonaceae | *Unonopsis ≠ floribunda* | 0.024052798 | 1 | 1 |
| Monimiaceae | *Mollinedia* sp. 1 | 0.023778695 | 1 | 1 |
| Myristicaceae | *Virola surinamensis* (Rol. ex Rottb.) Warb.  | 0.021382447 | 1 | 1 |
| Staphyleaceae | *Turpinia occidentalis* (Sw.) G.Don | 0.021256783 | 2 | 2 |
| Myristicaceae | *Virola flexuosa* A.C.Sm. | 0.01838537 | 1 | 1 |
| Lauraceae | *Pleurothyrium williamsii* O.C. Schmidt | 0.018145824 | 1 | 1 |
| Annonaceae | *Unonopsis stipitata* Diels | 0.016971655 | 1 | 1 |
| Chrysobalanaceae | *Licania* sp. 1 | 0.016971655 | 1 | 1 |
| Lauraceae | *Aniba hostmanniana* Mez | 0.016512982 | 1 | 1 |
| Malvaceae | *Sterculia tessmannii* Mildbr. | 0.016060593 | 1 | 1 |
| Fabaceae | *Bauhinia brachycalyx* Ducke | 0.015396933 | 1 | 2 |
| Euphorbiaceae | *Nealchornea yapurensis* Huber | 0.014741126 | 1 | 1 |
| Meliaceae | *Guarea* sp. 5 | 0.014526712 | 1 | 1 |
| Myristicaceae | *Virola duckei* A.C. Sm. | 0.014102598 | 1 | 1 |
| Burseraceae | *Protium* sp. 2 | 0.013684766 | 1 | 1 |
| Rubiaceae | *Hippotis albiflora* H. Karst. | 0.013684766 | 1 | 1 |
| Malvaceae | *Theobroma glaucum* H. Karst. | 0.0130698 | 1 | 1 |
| Calophyllaceae | *Caraipa* sp. 1 | 0.012468971 | 1 | 1 |
| Chrysobalanaceae | *Hirtella racemosa* Lam. | 0.012468971 | 1 | 1 |
| Monimiaceae | *Mollinedia ovata* Ruiz & Pav.  | 0.012076272 | 1 | 1 |
| Rubiaceae | *Pentagonia* sp. 1 | 0.012076272 | 1 | 1 |
| Fabaceae | *Andira multistipula* Ducke | 0.011122014 | 1 | 1 |
| Piperaceae | *Piper reticulatum* L. | 0.010601295 | 1 | 2 |
| Burseraceae | *Protium calendulinum* Daly | 0.009852026 | 1 | 1 |
| Sapotaceae | *Pouteria cuspidata* A. DC.) Baehni | 0.009852026 | 1 | 1 |
| Lecythidaceae | *Eschweilera gigantea* (R. Kunth.) J.F. Macbr. | 0.009331308 | 1 | 1 |
| Sapotaceae | *Pouteria cuspidata* (A. DC.) Baehni | 0.009331308 | 1 | 1 |
| Burseraceae | *Protium prancei* (Daly) Byng & Christenh. | 0.008992016 | 1 | 1 |
| Fabaceae | *Inga capitata* Desv. | 0.008824726 | 1 | 1 |
| Lauraceae | *Ocotea olivacea* A.C. Sm. | 0.008724195 | 1 | 2 |
| Melastomataceae | *Miconia* sp. 3 | 0.008659007 | 1 | 1 |
| Sapotaceae | *Pouteria durlandii* (Standl.) Baehni | 0.008494859 | 1 | 1 |
| Olacaceae | *Heisteria duckei* Sleumer | 0.008332282 | 1 | 1 |
| Icacinaceae | *Ilex* sp. 1 | 0.008171276 | 1 | 1 |
| Celastraceae | *Cheiloclinium* sp. 2 | 0.008171276 | 1 | 1 |
| Lauraceae | *Ocotea myriantha* (Meisn.) Mez | 0.00801184 | 1 | 1 |
| Clusiaceae | *Chrysochlamys weberbaueri* Engl. | 0.007853975 | 1 | 1 |
| Fabacae | *Dialium guianense* (Aubl.) Sandwith | 0.0078125 | 2 | 2 |
| Celastraceae | *Maytenus amazonica* Mart. ex Reissek | 0.007697681 | 1 | 1 |
| Lauraceae | *Pleurothyrium cuneifolium* Nees | 0.007697681 | 1 | 1 |
| Lauraceae | *Pleurothyrium parviflorum* Ducke | 0.007697681 | 1 | 1 |
| Celastraceae | *Salacia* sp. 1 | 0.007389805 | 1 | 1 |
| Lecythidaceae | *Eschweilera ovalifolia* Nied. | 0.007238223 | 1 | 1 |
| Myristicaceae | *Compsoneura capitellata* (Poepp. ex A.DC.) Warb.  | 0.007238223 | 1 | 1 |
| Salicaceae | *Casearia* sp. 1 | 0.007238223 | 1 | 1 |
| Combretaceae | aff. *Terminalia* | 0.007088212 | 1 | 1 |
| Clusiaceae | *Clusia* sp. 1 | 0.006792903 | 1 | 1 |
| Violaceae | *Leonia* sp. 1 | 0.006792903 | 1 | 1 |
| Malvaceae | *Matisia malacocalyx* (A. Robys & S. Nilsson) W.S. Alverson | 0.006221134 | 1 | 1 |
| Sapotaceae | *Pouteria platyphylla* (A.C.Sm.) Baehni | 0.005944674 | 1 | 1 |
| Malvaceae | *Matisia intricata* (A.Robyns & S.Nilsson) W.S.Alverson | 0.0058088 | 1 | 1 |
| Myristicaceae | *Otoba glycycarpa* (Ducke)W.A.Rodrigues & T.S.Jaram. | 0.0058088 | 1 | 1 |
| Fabaceae | aff. *Schnella glabra* (Jacq.) Dugand | 0.005749895 | 2 | 2 |
| Polygalaceae | *Moutabea* sp. 1 | 0.005654862 | 2 | 2 |
| Combretaceae | *Combretum* sp. indet. | 0.005541765 | 1 | 1 |
| Fabaceae | *Dussia tessmannii* Harms | 0.005410603 | 1 | 1 |
| Unknown family | indet. gen. sp.  | 0.005281013 | 1 | 1 |
| Clusiaceae | *Clusia amazonica* Planch. & Triana | 0.005152993 | 1 | 1 |
| Fabaceae | *Inga cayennensis* Sagot ex Benth. | 0.005152993 | 1 | 1 |
| Meliaceae | *Guarea juglandiformis* T.D. Penn. | 0.005026544 | 1 | 1 |
| Burseraceae | *Protium nodulosum* Swart | 0.004982562 | 2 | 2 |
| Erythroxylaceae | *Erythroxylum* sp.1 | 0.004778358 | 1 | 1 |
| Malvaceae | *Pachira insignis* (Sw.) Savigny | 0.004656622 | 1 | 1 |
| Elaeocarpaceae | *Sloanea rufa* Planch. ex Benth. | 0.004536456 | 1 | 1 |
| Malpighiaceae | *Stigmaphyllon*  sp. 1 | 0.004536456 | 1 | 1 |
| Myristicaceae | *Virola multinervia* Ducke | 0.004536456 | 1 | 1 |
| Bignoniaceae | *Fridericia bracteolata* (DC.) L.G. Lohmann | 0.004505825 | 2 | 2 |
| Cyatheaceae | *Cyathea* sp. 1 | 0.004417861 | 1 | 1 |
| Fabaceae | *Piptadenia* sp. 1 | 0.004417861 | 1 | 1 |
| Violaceae | *Leonia cymosa* Mart. | 0.004417861 | 1 | 1 |
| Sapotaceae | *Pouteria guianensis* Griseb. | 0.004300837 | 1 | 1 |
| Celastraceae | *Cheiloclinium* sp. 1 | 0.004185383 | 1 | 1 |
| Rubiaceae | *Hippotis brevipes* Spruce ex K. Schum. | 0.003848448 | 1 | 1 |
| Euphorbiaceae | *Sapium laurifolium* (A. Rich.) Griseb. | 0.003739277 | 1 | 1 |
| Clusiaceae | *Garcinia macrophylla* Mart.  | 0.003631678 | 1 | 1 |
| Melastomataceae | *Miconia* sp. 2 | 0.003631678 | 1 | 1 |
| Nyctaginaceae | *Neea divaricata* Poepp. & Endl. | 0.003631678 | 1 | 1 |
| Sabiaceae | *Meliosma* sp. 2 | 0.003631678 | 1 | 1 |
| Myristicaceae | *Virola albidiflora* Ducke | 0.003525649 | 1 | 1 |
| Sapotaceae | *Pouteria bilocularis* (H.J.P.Winkl.) Baehni | 0.003318304 | 1 | 1 |
| Violaceae | *Leonia equatoriensis* (Hekking) Byng & Christenh. | 0.003216988 | 1 | 1 |
| Myrtaceae | *Eugenia discreta* McVaugh | 0.003117243 | 1 | 1 |
| Rubiaceae | *Warszewiczia schwackei* K.Schum. | 0.003117243 | 1 | 1 |
| Loganiaceae | *Strychnos guianensis* (Aubl.) Mart. | 0.003019068 | 1 | 1 |
| Annonaceae | *Guatteria chrysophylla* Maas & Setten | 0.002922464 | 1 | 1 |
| Bignoniaceae | *Fridericia* sp. 2 | 0.002922464 | 1 | 1 |
| Myristicaceae | *Iryanthera lancifolia* Ducke | 0.002827431 | 1 | 1 |
| Annonaceae  | *Guatteria decurrens* R.E.Fr. in J.F.Macbr. | 0.002733969 | 1 | 1 |
| Primulaceae | *Stylogyne* sp. 1 | 0.002733969 | 1 | 1 |
| Burseraceae | *Protium* sp. 3 | 0.002642077 | 1 | 1 |
| Convolvulaceae | *Maripa lewisii* D.F. Austin | 0.002642077 | 1 | 1 |
| Myristicaceae | *Iryanthera paraensis* Huber | 0.002642077 | 1 | 1 |
| Sabiaceae | *Meliosma herbertii* Rolfe  | 0.002642077 | 1 | 1 |
| Annonaceae | *Guatteria* sp. 5 | 0.002551756 | 1 | 1 |
| Myristicaceae | *Virola multicostata* Ducke | 0.002551756 | 1 | 1 |
| Chrysobalanaceae | *Licania micrantha* Miq. | 0.002375827 | 1 | 1 |
| Myristicaceae | *Virola theiodora* Warb. | 0.002375827 | 1 | 1 |
| Sapotaceae | *Chrysophyllum manaosense* (Aubrév.) T.D.Penn. | 0.002375827 | 1 | 1 |
| Annonaceae | *Cremastosperma* sp. 1 | 0.002206182 | 1 | 1 |
| Bignoniaceae | *Fridericia* sp. 1 | 0.002123715 | 1 | 1 |
| Salicaceae | *Casearia pitumba* Sleumer | 0.002123715 | 1 | 1 |
| Burseraceae | *Protium rhoifolium* (Benth.) Byng & Christenh. | 0.002042819 | 1 | 1 |
| Clusiaceae | *Tovomita longifolia* Hochr. | 0.002042819 | 1 | 1 |
| Myrtaceae | aff. *Myrcia*  | 0.002042819 | 1 | 1 |
| Rubiaceae | *Duroia hirsuta* K.Schum. | 0.002042819 | 1 | 1 |
| Ebenaceae | *Diospyros* sp. 1 | 0.001963494 | 1 | 1 |
| Fabaceae | *Inga auristellae* Harms | 0.001963494 | 1 | 1 |
| Rhamnaceae | *Sarcomphalus cinnamomum* (Triana & Planch.) Hauenschild | 0.000314159 | 1 | 1 |
|  | SUMMARY | 11.29941738 | 258 | 286 |
|  |  |  |  |  |

Appendix 2. Control site forest inventory near Gomatan village, ranked in order of dominance (basal area)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FAMILY | TAXON | AREA (sq. meters) | n.oc | freq |
| Myristicaceae | *Otoba parvifolia* (Markgr.) A.H. Gentry | 2.206930847 | 13 | 18 |
| Moraceae | *Ficus americana* Aubl. | 0.636171975 | 1 | 1 |
| Moraceae | *Clarisia racemosa* Ruiz & Pav. | 0.501398549 | 1 | 2 |
| Urticaceae | *Pourouma tomentosa* Mart. ex Miq. | 0.35253038 | 6 | 7 |
| Moraceae | *Perebea guianensis* Aubl. | 0.248460499 | 5 | 1 |
| Chrysobalanaceae | *Licania apetala* Fritsch | 0.230012297 | 2 | 1 |
| Urticaceae | *Pourouma guianensis* Aubl. | 0.227265762 | 2 | 2 |
| Lauraceae | *Nectandra* sp. 1 | 0.222090778 | 4 | 1 |
| Arecaceae | *Iriartea deltoidea* Ruiz & Pav. | 0.207468247 | 6 | 8 |
| Salicaceae | *Neosprucea montana* Cuatrec. | 0.192590463 | 6 | 1 |
| Malvaceae | *Sterculia tessmannii* Mildbr. | 0.180202388 | 1 | 1 |
| Urticaceae | *Pourouma cecropiifolia* Mart. | 0.174288345 | 5 | 5 |
| Fabaceae | *Browneopsis ucayalina* Huber  | 0.162998256 | 6 | 1 |
| Euphorbiaceae | *Sapium marmieri* Huber | 0.149986575 | 1 | 3 |
| Moraceae | *Pseudolmedia laevigata* Trécul | 0.143097854 | 4 | 1 |
| Sapotaceae | *Pouteria cladantha* Sandwith | 0.135265084 | 1 | 1 |
| Myristicaceae | *Virola multinervia* Ducke | 0.129422512 | 2 | 4 |
| Myristicaceae | *Virola elongata* Warb. | 0.126191387 | 7 | 5 |
| Fabaceae | *Dialium guianense* (Aubl.) Sandwith | 0.110446523 | 1 | 1 |
| Lauraceae | *Ocotea aciphylla* (Nees & Mart.) Mez | 0.110446523 | 1 | 6 |
| Arecaceae | *Phytelephas tenuicaulis* (Barfod) A.J. Hend. | 0.101386178 | 11 | 23 |
| Urticaceae | *Coussapoa orthoneura* Standl. | 0.080424704 | 1 | 1 |
| Moraceae | *Pseudolmedia laevis* (Ruiz & Pav.) J.F.Macbr. | 0.077648324 | 2 | 4 |
| Moraceae | *Perebea mollis* (Poepp. & Endl.) Huber | 0.067954162 | 2 | 5 |
| Myristicaceae | *Virola caducifolia* W.A.Rodrigues | 0.06514401 | 1 | 1 |
| Sapindaceae | *Allophylus* sp. 1 | 0.06514401 | 1 | 1 |
| Moraceae | *Helicostylis scabra* (J.F.Macbr.) C.C. Berg | 0.062015772 | 1 | 1 |
| Meliaceae | *Guarea ecuadoriensis* W.Palacios | 0.051242474 | 5 | 2 |
| Annonaceae | *Ruizodendron* sp. 1 | 0.045868785 | 2 | 2 |
| Meliaceae | *Guarea pterorhachis* Harms | 0.043753709 | 2 | 3 |
| Meliaceae | *Guarea* sp. Y | 0.043392426 | 1 | 2 |
| Salicaceae | *Tetrathylacium macrophyllum* Poepp. | 0.041930802 | 4 | 4 |
| Violaceae | *Leonia glycycarpa* Ruiz & Pav. | 0.04116661 | 4 | 7 |
| Elaeocarpaceae | *Sloanea* sp. 1 | 0.040470748 | 1 | 1 |
| Moraceae | *Sorocea* sp. 1 | 0.034966682 | 1 | 1 |
| Lecythidaceae | *Eschweilera andina* (Rusby) J.F. Macbr. | 0.034337579 | 2 | 1 |
| Lauraceae | *Endlicheria* sp. 2 | 0.032685102 | 1 | 1 |
| Rubiaceae | *Pentagonia amazonica* (Ducke) L. Andersson & Rova | 0.029723368 | 2 | 2 |
| Moraceae | *Sorocea pubivena* subsp. *hirtella* (Mildbr.) C.C. Berg | 0.027995494 | 2 | 2 |
| Lecythidaceae | *Grias* sp. 1 | 0.026906933 | 3 | 2 |
| Lauraceae | *Ocotea alaris* Doweld | 0.026665031 | 3 | 1 |
| Rubiaceae | *Uncaria guianensis* (Aubl.) J.F.Gmel. | 0.025607885 | 2 | 2 |
| Anacardiaceae | *Spondias mombin* L. | 0.023506162 | 1 | 1 |
| Malvaceae | *Quararibea amazonica* Ulbr. | 0.023506162 | 1 | 1 |
| Sapotaceae | *Chrysophyllum colombianum* (Aubrév.) T.D. Penn. | 0.023506162 | 1 | 1 |
| Cardiopteridaceae | *Dendrobangia boliviana* Rusby | 0.022965808 | 1 | 1 |
| Ulmaceae | *Ampelocera ruizii* Klotzsch | 0.021903951 | 1 | 1 |
| Violaceae | *Leonia crassa* L.B.Sm. & A.Fernández | 0.021854471 | 2 | 2 |
| Meliaceae | *Guarea* *macrophylla* Vahl | 0.021401296 | 3 | 2 |
| Rubiaceae | *Hippotis* sp. Y | 0.020483952 | 3 | 3 |
| Euphorbiaceae | *Conceveiba rhytidocarpa* Müll. Arg. | 0.019184119 | 3 | 1 |
| Phyllanthaceae | *Hieronyma alchorneoides* Allemão | 0.018869175 | 1 | 1 |
| Chrysobalanaceae | *Licania* sp. 1 | 0.017766477 | 3 | 2 |
| Fabaceae | *Inga chartacea* Poepp. | 0.016741533 | 1 | 1 |
| Moraceae | *Clarisia biflora* Ruiz & Pav. | 0.016512982 | 2 | 6 |
| Melastomataceae | *Bellucia arborescens* Baill. | 0.015890948 | 2 | 1 |
| Urticaceae | *Pourouma myrmecophila* Ducke | 0.015842253 | 2 | 3 |
| Sapotaceae | *Pouteria plicata* T.D. Penn. | 0.015684388 | 1 | 2 |
| Clusiaceae | *Chrysochlamys weberbaueri* Engl. | 0.015393791 | 1 | 3 |
| Sapindaceae | *Paullinia* sp. 1 | 0.015393791 | 1 | 1 |
| Clusiaceae | *Tovomita laurina* Planch. & Triana | 0.01495711 | 1 | 1 |
| Rubiaceae | *Warszewiczia schwackei* K. Schum. | 0.01495711 | 1 | 1 |
| Nyctaginaceae | *Guapira* sp. 1 | 0.014526712 | 1 | 1 |
| Convolvulaceae | *Dicranostyles* sp.1 | 0.014313869 | 1 | 1 |
| Lauraceae | *Ocotea* sp. x | 0.013243373 | 2 | 1 |
| Moraceae | *Trophis racemosa* Urb. | 0.0130698 | 1 | 1 |
| Piperaceae | *Piper aduncum* L. | 0.012867953 | 1 | 1 |
| Lauraceae | *Ocotea* sp. 1 | 0.012468971 | 1 | 1 |
| Moraceae | *Pseudolmedia macrophylla* Trécul | 0.012154812 | 2 | 2 |
| Lauraceae | *Mezilaurus* sp. 1 | 0.012076272 | 1 | 1 |
| Sapindaceae | *Paullinia* sp. 2 | 0.012041714 | 2 | 2 |
| Rubiaceae | *Chimarrhis hookeri* K. Schum. | 0.011784889 | 2 | 2 |
| Fabaceae | *Dalbergia ovalis* (L.) P.L.R.Moraes & L.P.Queiroz. | 0.010028741 | 1 | 8 |
| Fabaceae | *Inga alba* (Sw.) Willd. | 0.010028741 | 1 | 1 |
| Moraceae | *Naucleopsis macrophylla* Miq. | 0.009852026 | 1 | 1 |
| Arecaceae | *Socratea exorrhiza* (Mart.) H. Wendl. | 0.009676883 | 1 | 2 |
| Fabaceae | *Inga umbellifera* (Vahl) DC. | 0.00950331 | 1 | 1 |
| Meliaceae | *Guarea kunthiana* A.Juss. | 0.009314814 | 2 | 1 |
| Rubiaceae | *Hippotis brevipes* Spruce ex K.Schum. | 0.008824726 | 1 | 1 |
| Moraceae | *Perebea* sp. X | 0.008408466 | 2 | 2 |
| Fabaceae | *Bauhinia brachycalyx* Ducke | 0.008171276 | 1 | 1 |
| Malvaceae | *Apeiba membranacea* Spruce ex Benth. | 0.00801184 | 1 | 3 |
| Malvaceae | *Theobroma subincana* Mart. | 0.007389805 | 1 | 1 |
| Annonaceae | *Guatteria punctata* (Aubl.) R.A.Howard | 0.007025381 | 2 | 2 |
| Lauraceae | *Ocotea* sp. 2 | 0.006939772 | 1 | 1 |
| Fabaceae | *Inga coruscans* Humb. & Bonpl. ex Willd. | 0.006647604 | 1 | 1 |
| Sapotaceae | *Ecclinusa lanceolata* Pierre | 0.00636172 | 1 | 1 |
| Fabaceae | *Tachigali* sp. 1 | 0.006221134 | 1 | 1 |
| Rubiaceae | *Faramea glandulosa* Poepp. & Endl. | 0.006221134 | 1 | 1 |
| Rubiaceae | *Pentagonia macrophylla* Benth. | 0.006221134 | 1 | 1 |
| Fabaceae | *Inga ciliata* C. Presl | 0.005674497 | 1 | 1 |
| Moraceae | *Helicostylis tomentosa* (Poepp. & Endl.) J.F.Macbr. | 0.005674497 | 1 | 1 |
| Olacaceae | *Tetrastylidium peruvianum* Sleumer | 0.005541765 | 1 | 1 |
| Urticaceae | *Pourouma minor* Benoist | 0.005410603 | 1 | 1 |
| Fabaceae | *Inga* sp. 2 | 0.005152993 | 1 | 1 |
| Peraceae | *Pera bicolor* (Klotzsch) Müll. Arg. | 0.005026544 | 1 | 1 |
| Annonaceae | *Unonopsis veneficiorum* (Mart.) R.E. Fr. | 0.004901666 | 1 | 1 |
| Meliaceae | *Guarea guidonia* (L.) Sleumer | 0.004778358 | 1 | 5 |
| Combretaceae | *Terminalia macrophylla (*Eichler) Gere & Boatwr. | 0.004656622 | 1 | 1 |
| Moraceae | *Naucleopsis concinna* (Standl.) C.C.Berg | 0.004656622 | 1 | 1 |
| Rubiaceae | *Uncaria tomentosa* DC. | 0.004656622 | 1 | 1 |
| Meliaceae. | *Guarea* aff. *kunthiana* A.Juss. | 0.004536456 | 1 | 2 |
| Annonaceae | *Guatteria* sp. z | 0.004417861 | 1 | 1 |
| Myristicaceae | *Virola albidiflora* Ducke | 0.004417861 | 1 | 1 |
| Aquifoliaceae | *Ilex andicola* Loes. | 0.004300837 | 1 | 1 |
| Siparunaceae | *Siparuna cuspidata* (Tul.) A.DC.  | 0.003959189 | 1 | 1 |
| Tapisciaceae  | *Huertea glandulosa* Ruiz & Pav. | 0.003848448 | 1 | 1 |
| Urticaceae | *Urera verrucosa* (Liebm.) V.W. Steinm. | 0.003739277 | 1 | 1 |
| Annonaceae | *Guatteria* sp. 3 | 0.003631678 | 1 | 1 |
| Cyatheaceae | *Cyathea* sp. 1 | 0.003631678 | 1 | 1 |
| Piperaceae | *Piper divaricatum* G. Mey. | 0.003631678 | 1 | 1 |
| Myristicaceae | *Virola surinamensis* Warb.  | 0.003525649 | 1 | 1 |
| Sapotaceae | *Pouteria trilocularis* Cronquist | 0.003525649 | 1 | 1 |
| Fabaceae | *Dioclea* sp. 1 | 0.003421192 | 1 | 1 |
| Lauraceae | *Ocotea myriantha* (Meisn.) Mez | 0.003318304 | 1 | 4 |
| Sapotaceae | *Pouteria aubrevillei* Bernardi | 0.003318304 | 1 | 1 |
| Lauraceae | *Aniba hostmanniana* Mez | 0.002922464 | 1 | 1 |
| Annonaceae | *Malmea dielsiana* (Saff. ex Diehls) R.E.Fr. | 0.002733969 | 1 | 1 |
| Apocynaceae | *Odontadenia* sp. 1 | 0.002733969 | 1 | 1 |
| Moraceae | *Poulsenia armata* (Miq.) Standl. | 0.002733969 | 1 | 2 |
| Fabaceae | *Zygia juruana* (Harms) L.Rico | 0.002463007 | 1 | 1 |
| Salicaceae | *Casearia pitumba* Sleumer | 0.002463007 | 1 | 1 |
| Ulmaceae | *Ampelocera edentula* Kuhlm. | 0.002463007 | 1 | 1 |
| Annonaceae | *Bocageopsis* aff. *mattogrossensis* R.E.Fr. | 0.002375827 | 1 | 1 |
| Urticaceae | *Pourouma bicolor* Mart. | 0.002290219 | 1 | 1 |
| Fabaceae | *Inga punctata* Willd. | 0.002123715 | 1 | 1 |
| Sapotaceae | *Chrysophyllum* sp. 1 | 0.002123715 | 1 | 1 |
| Fabaceae | *Inga capitata* Desv. | 0.002042819 | 1 | 1 |
| Lauraceae | *Pleurothyrium panurense* Mez  | 0.002042819 | 1 | 3 |
| Salicaceae | *Xylosma intermedia* (Seem.) Triana & Planch | 0.001963494 | 1 | 1 |
| SUMMARY |  | 8.310245394 | 236 | 268 |

Appendix 3. Ridgetop forest inventory near Tepapare village, ranked in order of dominance (basal area)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FAMILY | TAXON | N.OCC. | IND. | basal area |
| Malvaceae | *Theobroma cacao* L. | 3 | 3 | 2.20481656 |
| Sapindaceae | *Matayba inelegans* Radlk. | 1 | 1 | 1.00287407 |
| Urticaceae | *Pourouma cecropiifolia* Mart. | 1 | 2 | 0.70359756 |
| Malvaceae | *Ceiba samauma* (Mart.) K.Schum. | 1 | 1 | 0.47783584 |
| Myristicaceae | *Otoba parvifolia* (Markgr.) A.H.Gentry | 6 | 11 | 0.39711897 |
| Moraceae | *Brosimum utile* (Kunth) Oken | 3 | 3 | 0.29691246 |
| Malvaceae | *Apeiba membranacea* Spruce ex Benth. | 1 | 2 | 0.28889119 |
| Fabaceae | *Browneopsis ucayalina* Huber | 11 | 15 | 0.28435631 |
| Moraceae | *Ficus* sp. Indet. | 1 | 1 | 0.27339687 |
| Malvaceae | *Sterculia tessmannii* Mildbr. | 3 | 3 | 0.25071538 |
| Olacaceae | *Cathedra acuminata* Miers | 1 | 2 | 0.2493048 |
| Moraceae | *Clarisia biflora* Ruiz & Pav. | 2 | 5 | 0.2221756 |
| Arecaceae | *Oenocarpus bataua* Mart. | 5 | 7 | 0.19732013 |
| Urticaceae | *Cecropia sciadophylla* Mart. | 1 | 1 | 0.16619011 |
| Violaceae | *Leonia crassa* L.B. Sm. & A. Ferna | 8 | 14 | 0.16177146 |
| Salicaceae | *Neosprucea montana* Cuatrec. | 7 | 10 | 0.15676063 |
| Urticaceae | *Pourouma tomentosa* Mart. ex Miq. | 2 | 2 | 0.1487857 |
| Lauraceae | *Nectandra acuminata* (Nees and C. Mart.) J.F. Macbr. | 1 | 1 | 0.14522 |
| Annonaceae | *Guatteria megalophylla* Diels | 1 | 1 | 0.13396447 |
| Moraceae | *Pseudolmedia laevigata* Trécul | 3 | 3 | 0.13176535 |
| Myristicaceae | *Virola elongata* Warb. | 4 | 4 | 0.12151435 |
| Meliaceae | *Guarea guidonia* (L.) Sleumer | 1 | 5 | 0.10719655 |
| Burseraceae | *Protium ferrugineum* Engl. | 1 | 9 | 0.09648059 |
| Annonaceae | *Ruizodendron ovale* (Ruiz & Pav.) R.E.Fr. | 1 | 1 | 0.0956622 |
| Myristicaceae | *Virola calophylla* Warb. | 1 | 1 | 0.0929408 |
| Meliaceae | *Guarea pterorhachis* Harms | 2 | 9 | 0.08223976 |
| Violaceae | *Leonia glycycarpa* Ruiz & Pav. | 7 | 9 | 0.07935499 |
| Arecaceae | *Iriartea deltoidea* Mart. | 2 | 3 | 0.07817768 |
| Urticaceae | *Pourouma minor* Benoist | 2 | 1 | 0.07793107 |
| Moraceae | *Perebea molllis* (Poepp. & Endl.) Huber | 1 | 6 | 0.07135965 |
| Tapisciaceae | *Huertea glandulosa* Ruiz & Pav. | 2 | 3 | 0.06954381 |
| Fabaceae | *Inga auristellae* Harms | 2 | 2 | 0.06617524 |
| Fabaceae | *Inga longipes* Benth. | 1 | 1 | 0.06605193 |
| Apocynaceae | *Aspidosperma* sp. X | 1 | 1 | 0.05725548 |
| Fabaceae | *Taralea oppositifolia* Aubl. | 1 | 1 | 0.05350206 |
| Fabaceae | *Inga lineata* Benth. | 1 | 1 | 0.05268525 |
| Sapotaceae | *Chrysophyllum prieurii* A.DC. | 1 | 1 | 0.05268525 |
| Urticaceae | *Coussapoa asperifolia* subsp. *magnifolia* (Trécul) Akkermans & C.C. Berg | 1 | 1 | 0.04908734 |
| Moraceae | *Batocarpus orinocensis* H. Karst. | 2 | 2 | 0.04807418 |
| Meliaceae | *Trichilia* sp. 1 | 1 | 6 | 0.04511245 |
| Elaeocarpaceae | *Sloanea latifolia* K.Schum. | 1 | 1 | 0.04263844 |
| Meliaceae | *Guarea ecuadoriensis* W.Palacios | 1 | 1 | 0.04154753 |
| Meliaceae | *Guarea pubescens* A.Juss. | 8 | 4 | 0.04104487 |
| Myristicaceae | *Virola multinervia* Ducke | 4 | 4 | 0.03929658 |
| Rubiaceae | *Pentagonia macrophylla* Benth. | 4 | 4 | 0.03751922 |
| Meliaceae | *Guarea* sp. Indet. | 1 | 1 | 0.03664351 |
| Arecaceae | *Phytelephas tenuicaulis* (Barfod) A.J.Hend. | 7 | 10 | 0.03486851 |
| Fabaceae | *Pterocarpus santalinoides* L'Hér. ex DC. | 1 | 1 | 0.03397944 |
| Euphorbiaceae | *Conceveiba rhytidocarpa* Müll. Arg. | 1 | 1 | 0.03332913 |
| Myristicaceae | *Iryanthera hostmannii* Warb. | 1 | 1 | 0.03332913 |
| Sapotaceae | *Pouteria aubrevillei* Bernardi | 2 | 2 | 0.03069019 |
| Malvaceae | *Theobroma subincana* Mart. | 4 | 4 | 0.03060144 |
| Fabaceae | *Batesia floribunda* Spruce ex Benth. | 2 | 2 | 0.03037 |
| Monimiaceae | *Mollinedia killipii* J.F.Macbr. | 1 | 1 | 0.02895289 |
| Fabaceae | *Stryphnodendron* sp. Indet. | 1 | 1 | 0.02865209 |
| Lauraceae | *Aniba parviflora* Mez | 2 | 2 | 0.02865209 |
| Sapotaceae | *Chrysophyllum argenteum* Jacq. | 2 | 2 | 0.02851621 |
| Caryocaraceae | *Caryocar amygdaliforme* G.Don | 1 | 1 | 0.02805518 |
| Sapotaceae | *Pouteria cladantha* Sandwith | 1 | 2 | 0.02799864 |
| Fabaceae | *Zygia juruana* (Harms) L. Rico | 6 | 8 | 0.02775202 |
| Sabiaceae | *Meliosma herbertii* Rolfe | 2 | 2 | 0.02454289 |
| Burseraceae | *Protium* sp. Indet. | 1 | 2 | 0.02337736 |
| Sapotaceae | *Pouteria torta* Radlk. | 1 | 2 | 0.02333023 |
| Rubiaceae | *Simira cordifolia* (Hook.f.) Steyerm. | 4 | 4 | 0.02310404 |
| Meliaceae | *Guarea guentheri* Harms | 1 | 1 | 0.02296581 |
| Urticaceae | *Pourouma* sp. Indet. | 1 | 1 | 0.02010618 |
| Malvaceae | *Eriotheca* sp. 1 | 3 | 2 | 0.01975589 |
| Meliaceae | *Trichilia rubra* C.DC. | 1 | 1 | 0.01960666 |
| Rubiaceae | *Chimarrhis hookeri* K. Schum. | 3 | 3 | 0.01950535 |
| Icacinaceae | *Calatola* sp. | 1 | 1 | 0.01911343 |
| Burseraceae | *Dacryodes nitens* Cuatrec. | 2 | 2 | 0.01847648 |
| Arecaceae | *Socratea exorrhiza* (Mart.) H.Wendl. | 1 | 1 | 0.01838537 |
| Clusiaceae | *Chrysochlamys weberbaueri* Engl. | 2 | 3 | 0.0179212 |
| Malvaceae | *Sterculia apetala* (Jacq.) H. Karst. | 2 | 2 | 0.01720335 |
| Moraceae | *Brosimum lactescens* (S. Moore) C.C. Berg | 1 | 1 | 0.01720335 |
| Meliaceae | *Guarea macrophylla* Vahl | 2 | 2 | 0.01376409 |
| Chrysobalanaceae | *Licania micrantha* Miq. | 1 | 1 | 0.01368477 |
| Moraceae | *Helicostylis scabra* (J.F.Macbr.) C.C.Berg | 1 | 1 | 0.01368477 |
| Sapotaceae | *Pouteria guianensis* Aubl. | 1 | 2 | 0.01352533 |
| Fabaceae | *Inga yasuniana* T.D.Penn. | 1 | 1 | 0.01227184 |
| Lecythidaceae | *Eschweilera coriacea* (DC.) S.A.Mori | 1 | 1 | 0.011499 |
| Myristicaceae | *Virola obovata* Ducke | 1 | 1 | 0.011499 |
| Rubiaceae | *Hippotis* sp. 1 | 2 | 2 | 0.01148644 |
| Annonaceae | *Unonopsis veneficiorum* (Mart.) R.E.Fr. | 1 | 1 | 0.01130972 |
| Bignoniaceae | *Jacaranda copaia* (Aubl.) D.Don | 1 | 1 | 0.01056831 |
| Annonaceae | *Xylopia* sp. Y | 1 | 1 | 0.01038688 |
| Malvaceae | *Eriotheca globosa* (Aubl.) A. Robyns | 2 | 3 | 0.01026357 |
| Burseraceae | *Protium grandifolium* Engl. | 5 | 1 | 0.01020703 |
| Bignoniaceae | *Fridericia* sp. 1 | 1 | 3 | 0.0099235 |
| Anacardiaceae | *Tapirira retusa* Ducke | 1 | 1 | 0.00967688 |
| Myristicaceae | *Iryanthera macrophylla* Warb. | 1 | 1 | 0.00916088 |
| Meliaceae | *Guarea kunthiana* A.Juss. | 4 | 3 | 0.00887264 |
| Meliaceae | *Trichilia micrantha* Benth. | 5 | 1 | 0.00833228 |
| Rubiaceae | *Duroia hirsuta* K.Schum. | 1 | 1 | 0.00833228 |
| Loganiaceae | *Strychnos guianensis* (Aubl.) Mart. | 2 | 2 | 0.00810844 |
| Myristicaceae | *Compsoneura capitellata* (Poepp. ex A.DC.) Warb. | 1 | 1 | 0.00801184 |
| Polygonaceae | *Coccoloba* sp. 1  | 1 | 1 | 0.00801184 |
| Melastomataceae | *Miconia* sp. 1 | 2 | 2 | 0.00749269 |
| Sapotaceae | *Pouteria* sp. 1 | 2 | 2 | 0.00740237 |
| Olacaceae | *Aptandra* sp. 1 | 1 | 1 | 0.00693977 |
| Picramniaceae | *Picramnia sellowii* Planch. | 1 | 1 | 0.00693977 |
| Salicaceae | *Tetrathylacium macrophyllum* Poepp. | 1 | 1 | 0.00693977 |
| Euphorbiaceae | *Sapium laurifolium* (A.Rich.) Griseb. | 1 | 1 | 0.00650388 |
| Euphorbiaceae | *Tetrorchidium macrophyllum* Müll. Arg. | 1 | 1 | 0.00650388 |
| Meliaceae | *Guarea* sp. 03 | 3 | 1 | 0.00650388 |
| Salicaceae | *Casearia prunifolia* Kunth | 1 | 1 | 0.00622113 |
| Fabaceae | *Parkia velutina* Benoist | 1 | 1 | 0.00594467 |
| Moraceae | *Perebea guianensis* Aubl. | 1 | 1 | 0.00594467 |
| Piperaceae | *Piper reticulatum* L. | 1 | 1 | 0.00594467 |
| Annonaceae | *Guatteria* sp indet. | 1 | 1 | 0.0058088 |
| Ulmaceae | *Ampelocera edentula* Kuhlm. | 1 | 1 | 0.0058088 |
| Olacaceae | *Minquartia guianensis* Aubl. | 1 | 1 | 0.00554176 |
| Salicaceae | *Banara nitida* Spruce ex Benth. | 1 | 1 | 0.00554176 |
| Cyatheaceae | *Cyathea* sp. 1 | 2 | 2 | 0.00548207 |
| Clusiaceae | *Tovomita laurina* Planch. & Triana | 1 | 1 | 0.00502654 |
| Rubiaceae | *Hippotis brevipes* Spruce ex K.Schum. | 2 | 2 | 0.00502419 |
| Sapotaceae | *Sarcaulus brasiliensis* Eyma | 1 | 1 | 0.00490167 |
| Chrysobalanceae | *Hirtella racemosa* Lam. | 1 | 1 | 0.00465662 |
| Moraceae | *Pseudolmedia laevis* (Ruiz & Pav.) J.F.Macbr. | 1 | 1 | 0.00441786 |
| Fabaceae | *Inga* sp. 3 | 1 | 1 | 0.00418538 |
| Sapindaceae | *Paullinia* sp. Indet. | 1 | 1 | 0.00395919 |
| Putranjivaceae  | *Drypetes amazonica* Steyerm.  | 1 | 1 | 0.00373928 |
| Annonaceae | *Unonopsis guatterioides* (A.DC.) R.E.Fr. | 1 | 1 | 0.00363168 |
| Araliaceae | *Dendropanax arboreus* (L.) Decne & Planch. | 1 | 1 | 0.00363168 |
| Fabaceae | *Swartzia gracilis* Pipoly & A. Rudas Lleras | 1 | 1 | 0.00363168 |
| Anacardiaceae | *Spondias mombin* L. | 1 | 1 | 0.00352565 |
| Annonaceae | *Duguetia nitida* Maas | 1 | 1 | 0.00352565 |
| Moraceae | *Maquira calophylla* (Poepp. & Endl.) C.C. Berg | 1 | 1 | 0.00352565 |
| Violaceae | *Rinorea paniculata* Kuntze | 1 | 1 | 0.00321699 |
| Bignoniaceae | *Adenocalymma cladotrichum* (Sandwith) L.G.Lohmann | 3 | 1 | 0.00292246 |
| Nyctaginaceae | *Neea floribunda* Poepp. & Endl. | 1 | 1 | 0.00292246 |
| Burseraceae | *Protium picramnioides* Byng & Christenh. | 1 | 1 | 0.00282743 |
| Celastraceae | *Tontelea* sp. 1 | 1 | 1 | 0.00282743 |
| Dichapetalaceae | *Tapura* sp. 1 | 1 | 1 | 0.00282743 |
| Dilleniaceae | *Tetracera volubilis* L. | 1 | 1 | 0.00282743 |
| Fabaceae | *Inga* sp. 1 | 1 | 1 | 0.00273397 |
| Meliaceae | *Trichilia pleeana* C.DC. | 1 | 1 | 0.00273397 |
| Annonaceae | *Unonopsis floribunda* Diels | 1 | 1 | 0.00264208 |
| Chrysobalanaceae | *Parinari occidentalis* Prance | 1 | 1 | 0.00264208 |
| Fabaceae | *Inga gereauana* (Pipoly & R.Vasquez) T.D. Penn. | 1 | 1 | 0.00264208 |
| Stemonuraceae | *Discophora guianensis* Miers  | 1 | 1 | 0.00264208 |
| Moraceae | *Trophis racemosa* Urb. | 1 | 1 | 0.00255176 |
| Moraceae | *Perebea* sp. Indet. | 4 | 1 | 0.00246301 |
| Salicaceae | *Casearia* sp. Indet. | 1 | 1 | 0.00246301 |
| Sapotaceae | *Chrysophyllum* sp. 1 | 1 | 1 | 0.00246301 |
| Siparunaceae | *Siparuna* sp. 1 | 1 | 1 | 0.00246301 |
| Annonaceae | *Unonopsis spectabilis* Diels | 1 | 1 | 0.00237583 |
| Cannabaceae | *Celtis iguanaea* (Jacq.) Sarg. | 1 | 1 | 0.00229022 |
| Chrysobalanaceae | *Licania* sp. Indet. | 1 | 1 | 0.00229022 |
| Meliaceae | *Trichilia pallida* Sw. | 1 | 1 | 0.00229022 |
| Olacaceae | *Heisteria duckei* Sleumer | 1 | 1 | 0.00229022 |
| Sabiaceae | *Ophiocaryon manausense* (W.A.Rodrigues) Barneby  | 1 | 1 | 0.00212371 |
| Chrysobalanaceae | *Licania apetala* Fritsch | 1 | 1 | 0.00204282 |
| Convolvulaceae | *Maripa peruviana* Ooststr. | 1 | 1 | 0.00204282 |
| Sapotaceae | *Pouteria cuspidata* (A.DC.) Baehni | 2 | 1 | 0.00204282 |
| Burseraceae | *Protium amazonicum* (Cuatrec.) Daly | 2 | 1 | 0.00196349 |
| Elaeocarpaceae | *Sloanea guianensis* Benth. | 1 | 1 | 0.00196349 |
| Fabaceae | *Inga tessmannii* Harms | 1 | 1 | 0.00196349 |
| Fabaceae | *Pterocarpus amazonum* (Mart. ex Benth.) Amshoff | 1 | 1 | 0.00196349 |
| Malpighiaceae | *Hiraea* sp. Indet. | 1 | 1 | 0.00196349 |
| Melastomataceae | *Mouriri cauliflora* DC. | 1 | 1 | 0.00196349 |
| SUMMARY TOTALS | 288 | 336 | 10.8100188 |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

Appendix 4. Ridgetop forest inventory near Geyapare village, ranked in order of dominance (basal area)

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FAMILY | TAXON | n.ocr | inds | area (sq. m.) |
| Malvaceae | *Theobroma cacao* L. | 2 | 3 | 0.890379794 |
| Arecaceae | *Oenocarpus bataua* Mart. | 10 | 17 | 0.711645986 |
| Meliaceae | *Guarea guidonia* (L.) Sleumer | 3 | 3 | 0.527728551 |
| Apocynaceae | *Aspidosperma rigidum* Rusby | 3 | 3 | 0.421551381 |
| Meliaceae | *Guarea trunciflora* C.DC. | 1 | 1 | 0.312714853 |
| Urticaceae | *Pourouma guianensis* Aubl. | 2 | 2 | 0.305357245 |
| Meliaceae | *Trichilia cipo* C.DC. | 1 | 1 | 0.285577781 |
| Euphorbiaceae | *Sapium laurifolium* (A.Rich.) Griseb. | 1 | 1 | 0.230721658 |
| Rhamnaceae | *Sarcomphalus cinnamomum* (Triana & Planch.) Hauenschild | 2 | 2 | 0.203892462 |
| Euphorbiaceae | *Sagotia racemosa* Baill. | 1 | 1 | 0.1963495 |
| Malvaceae | *Theobroma subincana* Mart. | 7 | 8 | 0.176613234 |
| Euphorbiaceae | *Nealchornea yapurensis* Huber | 4 | 4 | 0.170114851 |
| Polygonaceae | *Coccoloba* sp. 1 | 1 | 1 | 0.166190217 |
| Hypericaceae | *Vismia sprucei* Sprague | 1 | 1 | 0.159043095 |
| Chrysobalanaceae | *Licania brittoniana* Fritsch | 1 | 1 | 0.146574116 |
| Sapotaceae | *Pouteria lucuma* (Ruiz & Pav.) Kuntze | 1 | 1 | 0.138544207 |
| Elaeocarpaceae | *Sloanea latifolia* K.Schum. | 1 | 1 | 0.12566368 |
| Myrtaceae | *Calyptranthes* sp. 1 | 1 | 1 | 0.12566368 |
| Myristicaceae | *Virola albidiflora* Ducke | 1 | 1 | 0.123785793 |
| Fabaceae | *Browneopsis ucayalina* Huber  | 6 | 7 | 0.123655417 |
| Meliaceae | *Guarea* indet sp. | 1 | 1 | 0.122541723 |
| Sapotaceae | *Micropholis egensis* Pierre | 1 | 1 | 0.115811647 |
| Sapindaceae | *Matayba* sp. 1 | 8 | 12 | 0.11335021 |
| Phyllanthaceae | *Richeria grandis* Vahl | 1 | 1 | 0.110446594 |
| Malvaceae | *Matisia bicolor* Ducke | 1 | 1 | 0.097867659 |
| Moraceae | *Batocarpus orinocensis* H. Karst. | 1 | 1 | 0.096211255 |
| Violaceae | *Leonia crassa* L.B.Sm. & Fernández | 2 | 2 | 0.093324917 |
| Lecythidaceae | *Gustavia* sp. 1 | 1 | 1 | 0.092940858 |
| Malvaceae | *Sterculia* sp. 1 | 1 | 1 | 0.089727009 |
| Sabiaceae | *Meliosma* sp. 1 | 1 | 1 | 0.087091999 |
| Annonaceae | *Guatteria guianensis* (Aubl.) R.E.Fr. | 1 | 1 | 0.086569709 |
| Malvaceae | *Matisia malacocalyx* (A.Robyns & S.Nilsson) W.S.Alverson | 4 | 5 | 0.08145991 |
| Meliaceae | *Trichilia* sp. 1 | 2 | 2 | 0.080771901 |
| Burseraceae | *Protium* indet sp. | 1 | 1 | 0.079922886 |
| Olacaceae | *Minquartia guianensis* Aubl. | 1 | 1 | 0.074990586 |
| Chrysobalanaceae | *Licania macrophylla* Benth. | 1 | 1 | 0.074022976 |
| Meliaceae | *Guarea* sp. 2 | 1 | 1 | 0.071157844 |
| Burseraceae | *Protium calendulinum* Daly | 1 | 1 | 0.07068582 |
| Burseraceae | *Protium nodulosum* Swart | 2 | 2 | 0.069568199 |
| Sapotaceae | *Pouteria durlandii* (Standl.) Baehni | 2 | 2 | 0.069499869 |
| Sapotaceae | *Pouteria* sp. indet. | 3 | 3 | 0.067665179 |
| Meliaceae | *Guarea pubescens* A.Juss. | 3 | 4 | 0.067216717 |
| Myristicaceae | *Iryanthera tessmannii* Markgr. | 4 | 4 | 0.059958854 |
| Fabaceae | *Dialium guianense* (Aubl.) Sandwith | 1 | 1 | 0.05896454 |
| Sapotaceae | *Pouteria cladantha* Sandwith | 2 | 2 | 0.057802937 |
| Lecythidaceae | *Grias* sp. 1 | 3 | 3 | 0.056132395 |
| Sapotaceae | *Pouteria torta* Radlk. | 2 | 2 | 0.054952727 |
| Annonaceae | *Xylopia cuspidata* Diels | 3 | 3 | 0.052936611 |
| Lauraceae | *Rhodostemonodaphne* sp. 1 | 3 | 3 | 0.051285704 |
| Nyctaginaceae | *Neea* sp. 2 | 1 | 1 | 0.050670737 |
| Clusiaceae | *Garcinia macrophylla* Mart. | 1 | 1 | 0.046376967 |
| Myrtaceae | *Myrcia ruiziana* (O.Berg) A.R.Lourenço & Parra-Os. | 2 | 2 | 0.04473627 |
| Annonaceae | *Guatteria* sp. indet. | 1 | 1 | 0.04082813 |
| Urticaceae | *Pourouma tomentosa* Mart. ex Miq. | 1 | 1 | 0.038013263 |
| Chrysobalanaceae | *Licania apetala* Fritsch | 1 | 1 | 0.036983606 |
| Myristicaceae | *Compsoneura capitellata* (Poepp. ex A.DC.) Warb. | 1 | 1 | 0.036983606 |
| Annonaceae | *Annona papilionella* (Diels) H.Rainer | 1 | 1 | 0.034966704 |
| Clusiaceae | *Tovomita spruceana* Planch. & Triana | 1 | 1 | 0.034966704 |
| Lauraceae | *Aniba* sp. 1 | 1 | 1 | 0.034966704 |
| Lamiaceae | *Vitex triflora* Vahl | 2 | 2 | 0.034913297 |
| Convolvulaceae | *Maripa* sp. 1 | 2 | 2 | 0.034900731 |
| Sapotaceae | *Chrysophyllum venezuelanense* (Pierre) T.D.Penn. | 1 | 1 | 0.033006351 |
| Hypericacae | *Vismia tomentosa* Ruiz & Pav. | 1 | 1 | 0.032365466 |
| Ochnaceae | *Froesia tricarpa* Pires | 1 | 2 | 0.0317128 |
| Olacaceae | *Cathedra acuminata* Miers | 2 | 2 | 0.03129654 |
| Malvaceae | *Apeiba membranacea* Spruce ex Benth. | 1 | 1 | 0.029864759 |
| Annonaceae | *Guatteria hirsuta* Ruiz & Pav. | 1 | 1 | 0.028652104 |
| Moraceae | *Pseudolmedia laevigata* Trécul | 1 | 1 | 0.028652104 |
| Myrtaceae | *Eugenia plicata* Nied. | 1 | 1 | 0.028352868 |
| Myristicaceae | *Iryanthera crassifolia* A.C.Sm. | 2 | 2 | 0.02762716 |
| Sapindaceae | *Matayba macrocarpa* Gereau | 1 | 1 | 0.026015523 |
| Olacaceae | *Aptandra* sp. 1 | 2 | 2 | 0.025914992 |
| Meliaceae | *Guarea macrophylla* Vahl | 1 | 2 | 0.025717072 |
| Annonaceae | *Annona* sp. 1 | 1 | 1 | 0.02488455 |
| Sapotaceae | *Pouteria krukovii* (A.C. Sm.) Baehni | 1 | 1 | 0.02377871 |
| Myrtaceae | *Myrcia* sp. 1 | 1 | 1 | 0.023235214 |
| Sapindaceae | *Talisia* sp. 1 | 1 | 1 | 0.023235214 |
| Arecaceae | *Socratea exorrhiza* (Mart.) H.Wendl. | 3 | 3 | 0.022767903 |
| Myristicaceae | *Virola multinervia* Ducke | 1 | 1 | 0.022698002 |
| Meliaceae | *Cedrela fissilis* Vell. | 1 | 1 | 0.022431752 |
| Malvaceae | *Theobroma glaucum* H. Karst. | 3 | 3 | 0.022114451 |
| Arecaceae | *Phytelephas tenuicaulis* (Barfod) A.J.Hend. | 4 | 6 | 0.02170683 |
| Annonaceae | *Unonopsis floribunda* Diels | 1 | 1 | 0.021382461 |
| Fabaceae | *Inga heterophylla* Willd. | 1 | 1 | 0.020867239 |
| Sapotaceae | *Pouteria* sp. 2 | 1 | 1 | 0.018145835 |
| Moraceae | *Ficus americana* Aubl. | 1 | 1 | 0.01790786 |
| Icacinaceae | *Emmotum* sp. 1 | 1 | 1 | 0.017671455 |
| Fabaceae | *Swartzia calva* Cowan | 1 | 1 | 0.017436621 |
| Chrysobalanaceae | *Licania micrantha* Miq. | 1 | 1 | 0.017203358 |
| Fabaceae | *Lonchocarpus spiciflorus* Mart. ex Benth. | 1 | 1 | 0.017203358 |
| Celastraceae | *Salacia* sp. 1 | 2 | 2 | 0.014895073 |
| Rubiaceae | *Randia s*p. 1 | 2 | 2 | 0.014769409 |
| Fabaceae | *Inga vera* Willd. | 1 | 1 | 0.014741135 |
| Nyctaginaceae | *Guapira* sp. 1 | 1 | 1 | 0.014741135 |
| Meliaceae | *Guarea pterorhachis* Harms | 1 | 1 | 0.013478215 |
| Meliaceae | *Guarea kunthiana* A.Juss. | 2 | 2 | 0.013125571 |
| Annonaceae | *Annona* sp. 2 | 1 | 1 | 0.013069808 |
| Fabaceae | *Machaerium cuspidatum* Kuhlm. & Hoehne | 1 | 1 | 0.013069808 |
| Violaceae | *Leonia glycycarpa* Ruiz & Pav. | 3 | 3 | 0.01253024 |
| Fabaceae | *Pterocarpus santalinoides* L’Hér. ex$ $DC. | 1 | 1 | 0.012271844 |
| Sapotaceae | *Pouteria guianensis* Aubl. | 1 | 1 | 0.012271844 |
| Annonaceae | *Pseudoxandra* sp. 1 | 1 | 1 | 0.011689864 |
| Rubiaceae | *Pentagonia amazonica* (Ducke) L. Andersson & Rova | 1 | 1 | 0.011689864 |
| Sapindaceae | *Matayba inelegans* Radlk. | 2 | 2 | 0.010898968 |
| Sapotaceae | *Pouteria glomerata* Radlk. | 1 | 1 | 0.010568315 |
| Urticaceae | *Pourouma cecropiifolia* Mart. | 1 | 1 | 0.010207032 |
| Rubiaceae | *Duroia hirsuta* K. Schum. | 1 | 1 | 0.009676889 |
| Sapotaceae | *Chrysophyllum bombycinum* T.D.Penn. | 1 | 1 | 0.009676889 |
| Apocynaceae | *Odontadenia semidigyna (P.J.Bergius) J.F.Morales*  | 2 | 2 | 0.008955108 |
| Bignoniaceae | *Jacaranda copaia* (Aubl.) D.Don | 1 | 1 | 0.008659013 |
| Burseraceae | *Protium s*p. Indet. | 1 | 1 | 0.008659013 |
| Moraceae | *Naucleopsis glabra* Spruce ex Pittier | 1 | 1 | 0.008659013 |
| Chrysobalanaceae | *Licania macrocarpa* Cuatrec. | 1 | 1 | 0.008494865 |
| Chrysobalanaceae | *Licania* sp. Indet. | 1 | 1 | 0.008494865 |
| Salicaceae | *Xylosma intermedia* (Seem.) Triana & Planch. | 1 | 1 | 0.008494865 |
| Sapotaceae | *Pouteria* sp. 3 | 1 | 1 | 0.008332287 |
| Myristicaceae | *Iryanthera lancifolia* Ducke | 1 | 1 | 0.00785398 |
| Rubiaceae | *Simira cordifolia* (Hook. f.) Steyerm. | 2 | 2 | 0.007729102 |
| Apocynaceae | *Malouetia killipii* Woodson | 1 | 1 | 0.007697686 |
| Sapotaceae | *Chrysophyllum cuneifolium* A.DC. | 1 | 1 | 0.007238228 |
| Annonaceae | *Unonopsis veneficiorum* (Mart.) R.E. Fr. | 1 | 1 | 0.006503881 |
| Myristicaceae | *Otoba parvifolia* (Markgr.) A.H. Gentry | 1 | 1 | 0.006361724 |
| Chrysobalanaceae | *Hirtella guainiae* Spruce ex Hook.f. | 1 | 1 | 0.006082122 |
| Myristicaceae | *Virola peruviana* Warb. | 1 | 1 | 0.006082122 |
| Erythroxylaceae | *Erythroxylum macrophyllum* Cav. | 2 | 2 | 0.006044423 |
| Burseraceae | *Protium altsonii* Sandwith | 2 | 2 | 0.005921901 |
| Stemonuraceae | *Discophora guianensis* Miers | 2 | 2 | 0.005921901 |
| Annonaceae | *Guatteria ucayalina* Huber  | 1 | 1 | 0.005808804 |
| Nyctaginaceae | *Neea virens* Poepp. ex Heimerl | 1 | 1 | 0.005674501 |
| Moraceae | *Pseudolmedia macrophylla* Trécul | 1 | 1 | 0.005541768 |
| Polygalaceae | *Moutabea* sp. 1 | 1 | 1 | 0.005410607 |
| Dilleniaceae | *Doliocarpus dentatus* Standl. | 1 | 1 | 0.005281016 |
| Myristicaceae | *Virola surinamensis* Warb. | 1 | 1 | 0.004901669 |
| Sapotaceae | *Chrysophyllum manaosense* (Aubrév.) T.D.Penn. | 1 | 1 | 0.004901669 |
| Fabaceae | *Inga capitata* Desv. | 1 | 1 | 0.004417864 |
| Ebenaceae | *Diospyros* sp. 1 | 1 | 1 | 0.004300839 |
| Rubiaceae | *Faramea* sp. 1 | 1 | 1 | 0.004185386 |
| Myristicaceae | *Virola elongata* Warb. | 2 | 2 | 0.00408564 |
| Celastraceae | *Salacia macrantha* A.C.Sm. | 1 | 1 | 0.00384845 |
| Erythroxylaceae | *Erythroxylum* sp. 1 | 1 | 1 | 0.00373928 |
| Siparunaceae | *Siparuna* sp. 3 | 1 | 1 | 0.00373928 |
| Annonaceae | *Malmea* sp. x | 1 | 1 | 0.00363168 |
| Lauraceae | *Nectandra hirtella* Rohwer | 1 | 1 | 0.00363168 |
| Moraceae | *Pseudolmedia laevis* (Ruiz & Pav.) J.F. Macbr. | 1 | 1 | 0.003421194 |
| Sapotaceae | *Micropholis madeirensis* (Baehni) Aubrév. | 1 | 1 | 0.003421194 |
| Moraceae | *Brosimum* sp. indt. | 1 | 1 | 0.003318307 |
| Meliaceae | *Trichilia pallida* Sw. | 1 | 1 | 0.00321699 |
| Meliaceae | *Guarea ecuadoriensis* W. Palacios | 1 | 1 | 0.003117245 |
| Rubiaceae | *Faramea glandulosa* Poepp. & Endl. | 1 | 1 | 0.003117245 |
| Rubiaceae | *Palicourea* sp. 1 | 1 | 1 | 0.003117245 |
| Moraceae | *Sorocea steinbachii* C.C.Berg | 1 | 1 | 0.00301907 |
| Salicaceae | *Casearia pitumba* Sleumer | 1 | 1 | 0.00301907 |
| Myristicaceae | *Iryanthera juruensis* Warb. (?) | 1 | 1 | 0.002922466 |
| Euphorbiaceae | *Conceveiba rhytidocarpa* Müll.Arg. | 1 | 1 | 0.002827433 |
| Burseraceae | *Protium prancei* (Daly) Byng & Christenh. | 1 | 1 | 0.00273397 |
| Icacinaceae | *Poraqueiba guianensis* Aubl. | 1 | 1 | 0.00273397 |
| Rubiaceae | *Coussarea* sp. 1 | 1 | 1 | 0.00273397 |
| Bignoniaceae | *Fridericia* sp. indet. | 1 | 1 | 0.002642079 |
| Melastomataceae | *Henriettea loretensis* (Gleason) J.F.Macbr. | 1 | 1 | 0.002551758 |
| Siparunaceae | *Siparuna* sp. 2 | 1 | 1 | 0.002463008 |
| Celastraceae | *Cheiloclinium* sp. Indet. | 1 | 1 | 0.002375829 |
| Rubiaceae | *Chimarrhis hookeri* K.Schum. | 1 | 1 | 0.002375829 |
|  |  | 246 | 266 | 9.51358802 |

Table 4 Species shared between the control site (Gomatan 02) and any of the other study sites

 from among the twenty most dominant species.

|  |  |
| --- | --- |
| Species | Study sites |
| *Otoba parvifolia* (Markgr.) A.H. Gentry | Gomatan 01,Gomatan 02, Tepapare |
| *Browneopsis ucayalina* Huber  | Gomatan 02, Tepapare, Geyapare |
| *Neosprucea montana* Cuatrec. | Gomatan 02, Tepapare |
| *Pourouma cecropiifolia* Mart.  | Gomatan 02, Tepapare |
| *Pourouma guianensis* Aubl.  | Gomatan 02, Geyapare |
| *Pourouma tomentosa* Miq. | Gomatan 02, Tepapare |
| *Sterculia tessmannii* Mildbr. | Gomatan 02, Tepapare |

Table 5. Jaccard coefficients of similarity between the six pairs of study sites.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Study Site Pair | Gomatan01/Geyapare | Gomatan01/Tepapare | Gomatan01/ Gomatan 02 | Gomatan02/Geyapare | Gomatan 02/Tepapare | Tepapare/Geyapare |
| Jaccard coefficient | .1347 | .1593 | .1172 | .1322 | .1597 | .1536 |