

SUPPLEMENTARY MATERIAL

Table S1. Tree species of different successional groups sampled in burned and unburned areas located in the east of the state of Acre, Brazil.

Family	Species	Unburned areas	Burned areas	Successional group
Anacardiaceae	<i>Astronium graveolens</i> Jacq.	2	0	Tolerant
Anacardiaceae	<i>Spondias testudinis</i> J.D.Mitch. & Daly	1	0	Tolerant
Annonaceae	<i>Annona cordifolia</i> (Szyszyl.) R.E.Fr.	0	1	Early secondary
Annonaceae	<i>Duguetia odorata</i> (Diels) J.F.Macbr.	0	2	Early secondary
Annonaceae	<i>Onychopetalum periquino</i> (Rusby) D.M.Johnson & N.A.Murray	5	2	Tolerant
Annonaceae	<i>Rollinia</i> <i>indet.</i>	2	3	Early secondary
Annonaceae	<i>Xylopia</i> <i>indet.</i>	10	16	Early secondary
Apocynaceae	<i>Agonandra brasiliensis</i> Miers ex Benth. & Hook.f.	1	1	Early secondary
Apocynaceae	<i>Aspidosperma parvifolium</i> A.DC.	9	11	Tolerant
Apocynaceae	<i>Geissospermum sericeum</i> Miers	1	1	Tolerant
Apocynaceae	<i>Himatanthus sucuubus</i> (Spruce ex Müll.Arg.) Woodson	6	1	Early secondary
Apocynaceae	<i>Rauwolfia andina</i> Markgr.	1	1	Early secondary
Apocynaceae	<i>Tabernaemontana heterophylla</i> Vahl	7	4	Early secondary
Araliaceae	<i>Schefflera morototoni</i> (Aubl.) Maguire et al.	2	2	Pioneers
Arecaceae	<i>Astrocaryum aculeatum</i> G.Mey.	0	3	Tolerant
Arecaceae	<i>Astrocaryum murumuru</i> Mart.	9	10	Tolerant
Arecaceae	<i>Attalea butyracea</i> (Muti sex L.f.) Wess Boer	1	0	Tolerant
Arecaceae	<i>Attalea maripa</i> (Aubl.) Mart.	0	2	Tolerant
Arecaceae	<i>Attalea phalerata</i> Mart. ex Spreng.	1	1	Tolerant
Arecaceae	<i>Euterpe precatoria</i> Mart.	11	26	Tolerant
Arecaceae	<i>Iriartella setigera</i> (Mart.) H.Wendl.	0	2	Tolerant
Bignoniaceae	<i>Handroanthus serratifolius</i> (Vahl) S.Grose	11	7	Tolerant
Bignoniaceae	<i>Jacaranda copaia</i> (Aubl.) D.Don	1	2	Pioneers
Bixaceae	<i>Cochlospermum orinocense</i> (Kunth) Steud.	5	0	Pioneers
Boraginaceae	<i>Cordia alliodora</i> (Ruiz & Pav.) Cham.	0	5	Pioneers
Burseraceae	<i>Protium</i> <i>indet.</i>	4	5	Early secondary
Burseraceae	<i>Tetragastris altissima</i> (Aubl.) Swart	2	6	Tolerant
Burseraceae	<i>Thyrsodium bolivianum</i> J.D.Mitch. & Daly	1	1	Tolerant
Caricaceae	<i>Jacaratia digitata</i> (Poepp. & Endl.) Solms	21	0	Pioneers
Chrysobalanaceae	<i>Hirtella burchellii</i> Britton	0	1	Tolerant
Chrysobalanaceae	<i>Licania laevigata</i> Prance	8	10	Tolerant
Clusiaceae	<i>Garcinia guacopary</i> S.Moore	5	7	Tolerant
Elaeocarpaceae	<i>Sloanea</i> <i>indet.</i>	0	2	Tolerant
Euphorbiaceae	<i>Croton</i> <i>indet.</i>	0	1	Tolerant

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Euphorbiaceae	<i>Hevea brasiliensis</i> (Willd. ex A.Juss.) Müll.Arg.	3	3	Tolerant
Euphorbiaceae	<i>Mabea nitida</i> Spruce ex Benth.	1	0	Pioneers
Euphorbiaceae	<i>Sapium glandulosum</i> (L.) Morong	11	1	Pioneers
Fabaceae	<i>Acacia paniculata</i> Willd.	0	4	Pioneers
Fabaceae	<i>Acacia polyphylla</i> D.C	7	2	Pioneers
Fabaceae	<i>Andira surinamensis</i> (Bondt) Splitg. ex Amshoff	0	1	Tolerant
Fabaceae	<i>Apuleia leiocarpa</i> (Vogel) J.F.Macbr.	0	1	Tolerant
Fabaceae	<i>Barnebydendron riedelii</i> (Tul.) J.H.Kirkbr.	1	0	Tolerant
Fabaceae	<i>Bauhinia acreana</i> Harms	0	1	Tolerant
Fabaceae	<i>Copaifera</i> <i>indet.</i>	1	1	Tolerant
Fabaceae	<i>Dalbergia</i> <i>indet.</i>	1	2	Early secondary
Fabaceae	<i>Dialium guianensis</i> (Aubl.) Sandwith	2	1	Tolerant
Fabaceae	<i>Diploptropis peruviana</i> J.F.Macbr.	1	1	Early secondary
Fabaceae	<i>Dipteryx ferrea</i> (Ducke) Ducke	4	1	Tolerant
Fabaceae	<i>Enterolobium barnebianum</i> Mesquita & M.F.Silva	1	1	Tolerant
Fabaceae	<i>Erythrina amazonica</i> Krukoff	1	0	Tolerant
Fabaceae	<i>Hymenaea courbaril</i> L. var. <i>courbaril</i>	1	0	Tolerant
Fabaceae	<i>Inga</i> <i>indet.</i>	6	7	Early secondary
Fabaceae	<i>Lonchocarpus cultratus</i> (Vell.) A.M.G.Azevedo & H.C.Lima	2	1	Early secondary
Fabaceae	<i>Macrolobium</i> <i>indet.</i>	5	0	Tolerant
Fabaceae	<i>Myroxylon balsamum</i> (L.) Harms	1	2	Tolerant
Fabaceae	<i>Ormosia coccinea</i> Jacks.	0	2	Tolerant
Fabaceae	<i>Poeppigia procera</i> (Poepp. ex Spreng.) C. Presl	6	2	Pioneers
Fabaceae	<i>Pseudopiptadenia psilostachya</i> (DC.) G.P.Lewis & M.P.Lima	2	0	Tolerant
Fabaceae	<i>Pterocarpus rohrii</i> Vahl	3	2	Tolerant
Fabaceae	<i>Sclerolobium chrysophyllum</i> Poepp.	3	3	Tolerant
Fabaceae	<i>Swartzia</i> <i>indet.</i>	1	0	Tolerant
Fabaceae	<i>Tachigali formicarum</i> Harms	3	1	Tolerant
Humiriaceae	<i>Endopleura uchi</i> (Huber) Cuatrec.	0	1	Tolerant
Hypericaceae	<i>Vismia guianensis</i> (Aubl.) Choisy	3	0	Pioneers
Lauraceae	<i>Aniba williamsii</i> O.C.Schmidt	1	1	Tolerant
Lauraceae	<i>Nectandra cuspidata</i> Nees	2	2	Tolerant
Lecythidaceae	<i>Bertholletia excelsa</i> Bonpl.	1	2	Tolerant
Lecythidaceae	<i>Couratari guianensis</i> Aubl.	1	1	Tolerant
Lecythidaceae	<i>Eschweilera</i> <i>indet.</i>	1	1	Tolerant
Lecythidaceae	<i>Gustavia augusta</i> L.	1	1	Early secondary
Loganiaceae	<i>Strychnos brasiliensis</i> (Spreng.) Mart.	1	0	Pioneers
Malpighiaceae	<i>Byrsonima crispa</i> A.Juss.	0	2	Early secondary
Malvaceae	<i>Apeiba membranacea</i> Spruce ex Benth.	2	1	Pioneers
Malvaceae	<i>Cavanillesia umbellata</i> Ruiz & Pav.	0	1	Tolerant
Malvaceae	<i>Ceiba pentandra</i> (L.) Gaertn.	3	0	Tolerant
Malvaceae	<i>Guazuma crinita</i> Mart	1	0	Early secondary

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Malvaceae	<i>Heliocarpus americanus</i> L.	3	0	Tolerant
Malvaceae	<i>Matisia bicolor</i> Ducke	0	1	Pioneers
Malvaceae	<i>Ochroma pyramidale</i> (Cav. ex Lam.) Urb.	1	1	Pioneers
Malvaceae	<i>Pseudobombax munguba</i> (Mart.) Dugand	13	9	Tolerant
Malvaceae	<i>Quararibea guianensis</i> Aubl.	3	18	Early secondary
Malvaceae	<i>Sterculia apeibophylla</i> Ducke	1	1	Pioneers
Malvaceae	<i>Theobroma cacao</i> L.	4	1	Pioneers
Malvaceae	<i>Theobroma speciosum</i> Willd. ex Spreng.	6	5	Early secondary
Meliaceae	<i>Cedrela odorata</i> L.	1	3	Tolerant
Meliaceae	<i>Guarea kunthiana</i> A.Juss.	1	4	Tolerant
Meliaceae	<i>Trichilia</i> <i>indet.</i>	8	9	Tolerant
Memecylaceae	<i>Mouriri myrtifolia</i> Spruce ex Triana	1	1	Early secondary
Menispermaceae	<i>Anomospermum reticulatum</i> (Mart.) Eichler	0	1	Early secondary
Moraceae	<i>Brosimum guianense</i> (Aubl.) Huber	2	8	Tolerant
Moraceae	<i>Castilla ulei</i> Warb.	7	8	Tolerant
Moraceae	<i>Clarisia racemosa</i> Ruiz & Pav.	2	5	Tolerant
Moraceae	<i>Ficus</i> <i>indet.</i>	2	1	Tolerant
Moraceae	<i>Perebea mollis</i> (Poepp. & Endl.) Huber	19	54	Tolerant
Myristicaceae	<i>Iryanthera juruensis</i> Warb.	0	3	Early secondary
Myristicaceae	<i>Virola surinamensis</i> (Rol. ex Rottb.) Warb.	0	8	Tolerant
Myrtaceae	<i>Eugenia</i> <i>indet.</i>	0	2	Early secondary
Nyctaginaceae	<i>Neea</i> <i>indet.</i>	7	6	Tolerant
Olacaceae	<i>Heisteria ovata</i> Benth.	7	11	Early secondary
Olacaceae	<i>Minquartia guianensis</i> Aubl.	1	4	Early secondary
Putranjivaceae	<i>Drypetes amazonica</i> Steyerl.	4	1	Tolerant
Rhamnaceae	<i>Colubrina glandulosa</i> Perkins	0	1	Pioneers
Rubiaceae	<i>Alibertia bertierifolia</i> K.Schum.	1	0	Early secondary
Rubiaceae	<i>Alseis eggersii</i> Standl.	1	3	Tolerant
Rubiaceae	<i>Calycophyllum spruceanum</i> (Benth.) K.Schum.	1	1	Tolerant
Rubiaceae	<i>Faramea</i> <i>indet.</i>	1	0	Early secondary
Rutaceae	<i>Angostura longiflora</i> (K.Krause) Kallunki	0	1	Early secondary
Rutaceae	<i>Galipea trifoliata</i> Aubl.	3	1	Early secondary
Rutaceae	<i>Metrodorea flavida</i> K.Krause	4	15	Tolerant
Rutaceae	<i>Zanthoxylum rhoifolium</i> Lam.	2	0	Tolerant
salicaceae	<i>Casearia</i> <i>indet.</i>	7	3	Early secondary
Sapindaceae	<i>Matayba</i> <i>indet.</i>	0	1	Early secondary
Sapindaceae	<i>Talisia cerasina</i> (Benth.) Radlk.	1	8	Tolerant
Sapindaceae	<i>Toulicia reticulata</i> Radlk.	2	4	Early secondary
Sapotaceae	<i>Manilkara bidentata</i> (A.DC.) A.Chev.	4	0	Tolerant
Sapotaceae	<i>Micropholis guyanensis</i> (A.DC.) Pierre	2	1	Early secondary
Sapotaceae	<i>Pouteria</i> <i>indet.</i>	10	17	Tolerant
Simaroubaceae	<i>Simaba cedron</i> Planch.	1	0	Tolerant
Siparunaceae	<i>Siparuna</i> <i>indet.</i>	1	2	Pioneers
Ulmaceae	<i>Celtis schippii</i> Standl.	8	6	Early secondary

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Urticaceae	<i>Cecropia ficifolia</i> Warb. ex Snethl.	2	4	Pioneers
Urticaceae	<i>Cecropia sciadophylla</i> Mart.	7	37	Pioneers
Urticaceae	<i>Pourouma guianensis</i> Aubl.	4	4	Pioneers
Urticaceae	<i>Urera caracasana</i> (Jacq.) Griseb.	2	8	Pioneers
Verbenaceae	<i>Vitex triflora</i> Vahl	0	1	Early secondary
Violaceae	<i>Leonia racemosa</i> Mart.	1	1	Early secondary
Violaceae	<i>Paypayrola</i> indet.	3	0	Early secondary
Violaceae	<i>Rinorea lindeniana</i> (Tul.) Kuntze	1	0	Early secondary
Violaceae	<i>Rinoreocarpus ulei</i> (Melch.) Ducke	4	8	Early secondary
Vochysiaceae	<i>Qualea grandiflora</i> Mart.	2	0	Tolerant
Vochysiaceae	<i>Vochysia</i> indet.	7	7	Tolerant
