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Higher fire frequency impaired woody species regeneration in a southeastern Amazonian forest

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Table S1: Woody species sampled in the *Control*, lower fire-frequency (*B3*) and higher fire-frequency (*B6*), two years after fire exclusion (2012). Classification of species occurring in Savanna or Forest biomes (S or F) and life form (tree or liana).

| **Botanical family/species name** | ***Control*** | ***B3*** | ***B6*** | **Biome** | **LF** |
| --- | --- | --- | --- | --- | --- |
| **Anacardiaceae** |  |  |  |  |  |
| *Tapirira guianensis* Aubl. | 1 | 3 |  | F, S | tree |
| **Annonaceae** |  |  |  |  |  |
| *Guatteria schomburgkiana* Mart. | 2 | 1 |  | F, S | tree |
| *Guatteria blepharophylla* Mart. | 6 | 1 |  | F | tree |
| *Xylopia amazonica* R.E. Fr. | 2 |  |  | F, S | tree |
| **Apocynaceae** |  |  |  |  |  |
| *Aspidosperma obscurinervium* Azambuja | 1 |  |  | F | tree |
| *Aspidosperma excelsum* Benth. | 4 |  |  | F | tree |
| *Himatanthus sucuuba* (Spruce ex Müll.Arg.) Woodson | 1 |  | 1 | F, S | tree |
| *Forsteronia affinis* Müll. Arg. |  | 2 |  | - | liana |
| *Secondatia densiflora* A. DC. | 1 | 2 |  | - | liana |
| **Araliaceae** |  |  |  |  |  |
| *Schefflera morototoni* (Aubl.) Maguire, Steyem & Frodin |  | 1 |  | F, S | tree |
| **Bignoniaceae** |  |  |  |  |  |
| *Adenocalymma longilineum* (A.Samp.) L.G. Lohmann |  | 2 |  | - | liana |
| *Pleonotoma melioides* (S. Moore) A.H. Gentry | 2 | 1 |  | - | liana |
| *Pyrostegia venusta* (ker Gawl.) Miers | 8 | 28 | 8 | - | liana |
| *Cuspidaria inaequalis* (DC. ex Splitg.) L.G. Lohmann |  | 1 | 4 | - | liana |
| *Fridericia cinnamomea* (DC.) L.G. Lohmann | 4 |  |  | - | liana |
| Indet 1 | 1 | 1 |  | - | liana |
| Indet 2 |  | 1 |  | - | liana |
| Indet 3 |  | 1 |  | - | liana |
| *Bignonia* cf *aequinoctialis* L. |  |  | 2 | - | liana |
| **Boraginaceae** |  |  |  |  |  |
| *Cordia bicolor* A. DC. |  | 2 |  | F, S | tree |
| **Burseraceae** |  |  |  |  |  |
| *Protium unifoliolatum* Engl. | 1 |  |  | F, S | tree |
| *Protium guianense* (Aubl.) Marchand | 21 | 3 |  | F, S | tree |
| **Celastraceae** |  |  |  |  |  |
| *Tontelea corymbosa* (Ruber) A.C. Sm. | 1 |  |  | - | liana |
| *Hippocratea volubilis* L. | 4 |  |  | - | liana |
| *Elachyptera floribunda* (Benth.) A.C Sm. | 31 | 21 | 2 | - | liana |
| **Chrysobalanaceae** |  |  |  |  |  |
| *Licania egleri* Prance | 1 | 2 |  | F, S | tree |
| *Licania gracilipes* Taub. | 4 | 1 |  | F | tree |
| **Combretaceae** |  |  |  |  |  |
| *Combretum* sp Loefl. |  | 1 |  | - | liana |
| **Connaraceae** |  |  |  |  |  |
| *Connarus perrottetii* (DC.) Planch | 6 | 2 |  | F, S | tree |
| **Dilleniaceae** |  |  |  |  |  |
| *Davilla kunthii* A. St.-Hil. | 3 |  |  | - | liana |
| *Doliocarpus spatulifolius* Kubitzki | 2 | 1 | 2 | - | liana |
| **Elaeocarpaceae** |  |  |  |  |  |
| *Sloanea eichleri* K. Schum. | 4 |  | 1 | F, S | tree |
| **Erythroxylaceae** |  |  |  |  |  |
| *Erythroxylum rufum* Cav. | 2 | 1 |  | F, S | tree |
| **Euphorbiaceae** |  |  |  |  |  |
| *Chaetocarpus echinocarpus* (Baill.) Ducke |  | 3 |  | F, S | tree |
| *Maprounea guianensis* Aubl. |  | 2 | 1 | F, S | tree |
| *Mabea fistulifera* Mart. | 11 | 17 |  | F, S | tree |
| **Fabaceae** |  |  |  |  |  |
| *Copaifera reticulata* Ducke |  | 1 |  | F | tree |
| *Tachigali vulgaris* L.F. Gomes da Silva & H.C.Lima | 1 | 6 |  | F, S | tree |
| *Ormosia paraensis* Ducke | 1 |  |  | F, S | tree |
| *Inga thibaudiana* DC. | 2 |  |  | F, S | tree |
| *Inga heterophylla* Willd. | 6 | 3 |  | F, S | tree |
| *Machaerium myrianthum* Spruce ex Benth. | 1 |  |  | - | liana |
| *Abrus precatorius* L. | 1 |  |  | - | liana |
| *Derris floribunda* (Benth.) Ducke | 7 | 1 |  | - | liana |
| **Humiriaceae** |  |  |  |  |  |
| *Sacoglottis guianensis* Benth. | 2 |  |  | F, S | tree |
| **Hypericaceae** |  |  |  |  |  |
| *Vismia* cf *latifolia* (Aubl.) Choisy | 6 | 1 | 5 | NC | tree |
| **Lauraceae** |  |  |  |  |  |
| *Ocotea leucoxylon* (Sw.) Laness. | 4 |  |  | F | tree |
| *Ocotea guianensis* Aubl. | 16 | 2 | 2 | F | tree |
| *Nectandra cuspidata* Nees & Mart | 5 |  | 1 | F, S | tree |
| **Loganiaceae** |  |  |  |  |  |
| *Strychnos xinguensis* Krukoff | 1 |  |  | - | liana |
|  |  |  |  |  |  |
| **Malpighiaceae** |  |  |  |  |  |
| Indet 4 | 2 |  |  | - | liana |
| *Banisteriopsis* sp C.B. Rob. | 1 | 1 |  | - | liana |
| *Tetrapterys styloptera* A. Juss. |  |  | 1 | - | liana |
| **Melastomataceae** |  |  |  |  |  |
| *Mouriri brachyanthera* Ducke | 2 |  |  | F | tree |
| **Moraceae** |  |  |  |  |  |
| *Pseudolmedia macrophylla* Trécul |  | 2 |  | F | tree |
| **Myristicaceae** |  |  |  |  |  |
| *Virola sebifera* Aubl. | 2 | 6 |  | F, S | tree |
| **Myrtaceae** |  |  |  |  |  |
| *Myrcia sylvatica* (G. Mey.) DC. | 3 | 4 |  | F, S | tree |
| *Myrcia multiflora* (Lam.) DC. | 19 | 33 | 11 | F, S | tree |
| *Marlierea umbraticola* (Kunth) O. Berg | 1 | 12 |  | F | tree |
| **Ochnaceae** |  |  |  |  |  |
| *Ouratea discophora* Ducke | 2 |  |  | F, S | tree |
| **Polygalaceae** |  |  |  |  |  |
| *Securidaca bialata* Benth. | 1 | 1 |  | - | liana |
| **Rubiaceae** |  |  |  |  |  |
| *Amaioua guianensis* Aubl. | 4 | 1 | 2 | F, S | tree |
| *Psychotria tomentella* (S. Moore) Zappi | 1 |  |  | F, S | tree |
| *Psychotria prunifolia* (Kunth) Steyerm. | 3 |  |  | F, S | tree |
| Indet |  | 1 |  | NC | tree |
| **Sapindaceae** |  |  |  |  |  |
| *Matayba guianensis* Aubl. |  | 5 |  | F, S | tree |
| *Serjania* sp Mill. | 1 |  |  | - | liana |
| *Paullinia* sp L. | 1 |  |  | - | liana |
| **Sapotaceae** |  |  |  |  |  |
| *Pouteria ramiflora* (Mart.) Radlk. | 48 | 1 | 8 | F, S | tree |
| *Micropholis egensis* (A.DC.) Pierre | 2 |  |  | F, S | tree |
| **Siparunaceae** |  |  |  |  |  |
| *Siparuna guianensis* Aubl. |  |  | 1 | F, S | tree |
| **Solanaceae** |  |  |  |  |  |
| *Solanum mauritianum* Scop. |  | 2 | 3 | F, S | tree |
| **Urticaceae** |  |  |  |  |  |
| *Cecropia* cf *distachya* Huber |  | 1 |  | F, S | tree |
| **Total abundance** | **270** | **185** | **55** |  |  |
| **Total species richness** | **54** | **44** | **11** |  |  |