

**Polyembryony and apomixis in Cerrado Brazilian savannas: types, phylogenetic constraints, and ecological implications**

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**Online Resource 2.** Cerrado species sampled for the determination of embryony type, as monoembryony or polyembryony (presence of more than one embryo per seed, evaluated by seed dissection method) or extranumerary seedlings (presence of more than one seedling per seed, evaluated by seedling emergence method). ETP: Embryony type at population level; ETS: Embryony type at species level; ETC: Embryony type category (Mono: Monoembryony, Poly: High Polyembryony, and Low: Low Polyembryony); N: seed sample size for original polyembryony records (We did not include sample sizes for records obtained from literature). MENS: Mean number of embryos per seed; PSP: Polyembryonic Seed Percentage (PSP); MSNS: Mean seedling number per seed; PSES: Percentage of seeds with extranumerary seedlings. When the species were evaluated by two methods, the sample size (N) refers respectively to PSP and PSES.

| Family        | Species                            | ETP  | ETS   | ETC  | N         | MENS  | PSP   | MSNS  | PSES  |
|---------------|------------------------------------|------|-------|------|-----------|-------|-------|-------|-------|
| Anacardiaceae | <i>Astronium fraxinifolium</i>     | Poly | Poly  | Low  | 253; 697  | 1     | 0     | 1.007 | 0.72  |
| Anacardiaceae | <i>Lithraea molleoides</i>         | Mono | Mono  | Mono | 220; 1335 | 1     | 0     | 1     | 0     |
| Anacardiaceae | <i>Astronium urundeuva</i>         | Poly | Poly  | Low  | 250; 486  | 1.012 | 1.2   | 1.01  | 1.03  |
| Anacardiaceae | <i>Schinopsis brasiliensis</i>     | Mono | Mono  | Mono |           |       |       |       | 0     |
| Anacardiaceae | <i>Tapirira guianensis</i>         | Poly | Poly  | Low  |           |       |       |       | 2     |
| Apocynaceae   | <i>Aspidosperma cylindrocarpon</i> | Mono | Mono  | Mono | 220       |       |       | 1     | 0     |
| Apocynaceae   | <i>Aspidosperma discolor</i>       | Mono | Mono  | Mono |           |       |       |       | 0     |
| Apocynaceae   | <i>Aspidosperma macrocarpon</i>    | Mono | Mono  | Mono |           |       |       |       | 0     |
| Apocynaceae   | <i>Aspidosperma parvifolium</i>    | Mono | Mono  | Mono |           |       |       |       | 0     |
| Apocynaceae   | <i>Hancornia speciosa</i>          | Poly | Poly  | Low  |           |       |       |       | 5     |
| Araliaceae    | <i>Didymopanax morototoni</i>      | Poly | Poly  | Low  | 500       |       |       | 1.004 | 0.4   |
| Asteraceae    | <i>Lychnophora ericoides</i>       | Poly | Poly  | Low  | 300       | 1.01  | 1     |       |       |
| Bignoniaceae  | <i>Adenocalymma nodosum</i>        | Mono | Mono  | Mono | 44        |       |       | 1     | 0     |
| Bignoniaceae  | <i>Adenocalymma pedunculatum</i>   | Mono | Mono  | Mono | 70        |       |       | 1     | 0     |
| Bignoniaceae  | <i>Adenocalymma peregrinum</i>     | Mono | Mono  | Mono | 35        |       |       | 1     | 0     |
| Bignoniaceae  | <i>Anemopaegma acutifolium</i>     | Poly | Poly  | Poly | 363       | 3.45  | 86.35 |       |       |
| Bignoniaceae  | <i>Anemopaegma album</i>           | Mono | Mono  | Mono |           | 1     | 0     |       |       |
| Bignoniaceae  | <i>Anemopaegma arvense</i>         | Poly | Poly  | Poly | 113       | 2.24  | 78.6  |       |       |
| Bignoniaceae  | <i>Anemopaegma chamberlaynii</i>   | Poly | Poly  | Poly |           | 1.05  | 5.56  |       |       |
| Bignoniaceae  | <i>Anemopaegma glaucum</i>         | Poly | Poly  | Poly | 308       | 3.9   | 98.4  |       |       |
| Bignoniaceae  | <i>Anemopaegma scabriusculum</i>   | Poly | Poly  | Poly |           | 1.06  | 8.82  |       |       |
| Bignoniaceae  | <i>Cuspidaria spectrum</i>         | Mono | Mono  | Mono | 145       |       |       | 1     | 0     |
| Bignoniaceae  | <i>Cybistax antisyphilitica</i>    | Mono | Mono  | Mono | 300       |       |       | 1     | 0     |
| Bignoniaceae  | <i>Fridericia platyphylla</i>      | Poly | Mixed | Low  | 40        |       |       | 1.01  | 2.13  |
| Bignoniaceae  | <i>Fridericia platyphylla</i>      | Mono |       | Mono | 94        |       |       | 1     | 0     |
| Bignoniaceae  | <i>Handroanthus chrysotrichus</i>  | Poly | Poly  | Poly | 998; 2873 | 2.31  | 71.06 | 1.31  | 36.38 |
| Bignoniaceae  | <i>Handroanthus impetiginosus</i>  | Mono | Mono  | Mono | 100       |       |       | 1     | 0     |
| Bignoniaceae  | <i>Handroanthus ochraceus</i>      | Mono |       | Mono |           | 1     | 0     | 1     | 0     |
| Bignoniaceae  | <i>Handroanthus ochraceus</i>      | Poly | Mixed | Poly |           | 2.26  | 70.04 | 1.76  | 53.42 |
| Bignoniaceae  | <i>Handroanthus serratifolius</i>  | Poly | Mixed | Poly | 134       | 1.92  | 62.1  | 1.18  | 17.5  |

|                  |                                   |      |      |      |          |   |     |       |      |
|------------------|-----------------------------------|------|------|------|----------|---|-----|-------|------|
| Bignoniaceae     | <i>Handroanthus serratifolius</i> | Mono |      | Mono | 465; 200 | 1 | 0   | 1     | 0    |
| Bignoniaceae     | <i>Handroanthus vellosi</i>       | Mono | Mono | Mono | 50       |   |     | 1     | 0    |
| Bignoniaceae     | <i>Jacaranda brasiliana</i>       | Mono | Mono | Mono |          |   |     |       | 0    |
| Bignoniaceae     | <i>Jacaranda caroba</i>           | Mono | Mono | Mono | 100      |   |     | 1     | 0    |
| Bignoniaceae     | <i>Jacaranda cuspidifolia</i>     | Poly | Poly | Low  | 404      |   |     | 1.007 | 0.5  |
| Bignoniaceae     | <i>Jacaranda decurrens</i>        | Mono | Mono | Mono | 60       |   |     | 1     | 0    |
| Bignoniaceae     | <i>Jacaranda paucifoliolata</i>   | Mono | Mono | Mono | 112      |   |     | 1     | 0    |
| Bignoniaceae     | <i>Jacaranda rufa</i>             | Mono | Mono | Mono | 328      |   |     | 1     | 0    |
| Bignoniaceae     | <i>Jacaranda ulei</i>             | Mono | Mono | Mono | 25       |   |     | 1     | 0    |
| Bignoniaceae     | <i>Pyrostegia venusta</i>         | Mono | Mono | Mono | 30       |   |     | 1     | 0    |
| Bignoniaceae     | <i>Tabebuia aurea</i>             | Mono | Mono | Mono | 14       | 1 | 0   |       |      |
| Bignoniaceae     | <i>Tabebuia rosea</i>             | Mono | Mono | Mono | 24       |   |     | 1     | 0    |
| Bignoniaceae     | <i>Tabebuia roseoalba</i>         | Poly | Poly | Low  | 676      |   |     | 1.006 | 0.59 |
| Bignoniaceae     | <i>Tecoma stans</i>               | Mono | Mono | Mono | 352      |   |     | 1     | 0    |
| Bignoniaceae     | <i>Zeyheria montana</i>           | Mono | Mono | Mono | 39       |   |     | 1     | 0    |
| Bixaceae         | <i>Bixa orellana</i>              | Mono | Mono | Mono |          |   |     |       | 0    |
| Bixaceae         | <i>Cochlospermum regium</i>       | Mono | Mono | Mono | 62       | 1 | 0   |       |      |
| Boraginaceae     | <i>Cordia glabrata</i>            | Mono | Mono | Mono | 577      |   |     |       | 0    |
| Burseraceae      | <i>Commiphora leptophloeos</i>    | Poly | Poly | Low  |          |   |     |       | 2    |
| Calophyllaceae   | <i>Calophyllum brasiliense</i>    | Mono | Mono | Mono | 200      |   |     | 1     | 0    |
| Calophyllaceae   | <i>Kielmeyera coriacea</i>        | Mono | Mono | Mono | 62       | 1 | 0   |       |      |
| Calophyllaceae   | <i>Kielmeyera grandiflora</i>     | Mono | Mono | Mono | 200      | 1 | 0   |       |      |
| Calophyllaceae   | <i>Kielmeyera variabilis</i>      | Mono | Mono | Mono | 50       | 1 | 0   |       |      |
| Celastraceae     | <i>Peritassa campestris</i>       | Poly | Poly | Low  | 192      |   |     | 1.02  | 2.08 |
| Celastraceae     | <i>Salacia crassifolia</i>        | Poly | Poly | Low  | 463      |   |     | 1.23  | 1.94 |
| Celastraceae     | <i>Salacia sp.</i>                | Mono | Mono | Mono |          |   |     |       | 0    |
| Chrysobalanaceae | <i>Licania sp.</i>                | Mono | Mono | Mono |          |   |     |       | 0    |
| Clusiaceae       | <i>Clusia criuva</i>              | Poly | Poly | Low  |          |   | 2.1 |       |      |
| Combretaceae     | <i>Terminalia corrugata</i>       | Mono | Mono | Mono |          |   |     |       | 0    |
| Combretaceae     | <i>Terminalia actinophylla</i>    | Mono | Mono | Mono |          |   |     |       | 0    |
| Combretaceae     | <i>Terminalia argentea</i>        | Mono | Mono | Mono |          |   |     |       | 0    |

|                 |                                      |      |      |      |          |      |     |       |       |
|-----------------|--------------------------------------|------|------|------|----------|------|-----|-------|-------|
| Connaraceae     | <i>Rourea induta</i>                 | Poly | Poly | Low  | 40       | 1.03 | 2.5 |       |       |
| Costaceae       | <i>Costus spiralis</i>               | Mono | Mono | Mono | 262      | 1    | 0   |       |       |
| Ebenaceae       | <i>Diospyros sericea</i>             | Mono | Mono | Mono |          |      |     |       | 0     |
| Erythroxylaceae | <i>Erythroxylum daphnites</i>        | Mono | Mono | Mono | 139      | 1    | 0   |       |       |
| Erythroxylaceae | <i>Erythroxylum deciduum</i>         | Poly | Poly | Low  | 183      |      |     | 1.055 | 4.92  |
| Euphorbiaceae   | <i>Mabea piriri</i>                  | Mono | Mono | Mono |          |      |     |       | 0     |
| Euphorbiaceae   | <i>Manihot anomala</i>               | Mono | Mono | Mono | 60       | 1    | 0   |       |       |
| Fabaceae        | <i>Amburana cearensis</i>            | Mono | Mono | Mono |          |      |     |       | 0     |
| Fabaceae        | <i>Anadenanthera colubrina</i>       | Mono | Mono | Mono | 458      |      |     | 1     | 0     |
| Fabaceae        | <i>Anadenanthera peregrina</i>       | Mono | Mono | Mono | 305      |      |     | 1     | 0     |
| Fabaceae        | <i>Apuleia leiocarpa</i>             | Mono | Mono | Mono |          |      |     |       | 0     |
| Fabaceae        | <i>Bowdichia virgilioides</i>        | Mono | Mono | Mono |          |      |     |       | 0     |
| Fabaceae        | <i>Chamaecrista desvauxii</i>        | Mono | Mono | Mono |          |      |     |       | 0     |
| Fabaceae        | <i>Copaifera langsdorffii</i>        | Poly | Poly | Low  |          |      |     | 1.002 | 0.17  |
| Fabaceae        | <i>Dimorphandra mollis</i>           | Mono | Mono | Mono | 218      | 1    | 0   |       |       |
| Fabaceae        | <i>Dipteryx alata</i>                | Mono | Mono | Mono | 207      |      |     | 1     | 0     |
| Fabaceae        | <i>Enterolobium contortisiliquum</i> | Mono | Mono | Mono | 100; 785 | 1    | 0   | 1     | 0     |
| Fabaceae        | <i>Enterolobium gummiferum</i>       | Mono | Mono | Mono |          |      |     |       | 0     |
| Fabaceae        | <i>Hymenaea courbaril</i>            | Poly | Poly | Low  | 1173     |      |     | 1.001 | 0.09  |
| Fabaceae        | <i>Inga cylindrica</i>               | Mono | Mono | Mono |          |      |     |       | 0     |
| Fabaceae        | <i>Inga edulis</i>                   | Mono | Mono | Mono |          |      |     |       | 0     |
| Fabaceae        | <i>Inga ingoides</i>                 | Mono | Mono | Mono |          |      |     |       | 0     |
| Fabaceae        | <i>Inga laurina</i>                  | Poly | Poly | Poly | 588      |      |     | 1.642 | 41.33 |
| Fabaceae        | <i>Inga sessilis</i>                 | Mono | Mono | Mono | 143      |      |     | 1     | 0     |
| Fabaceae        | <i>Inga vera</i>                     | Poly | Poly | Poly |          |      | 35  |       |       |
| Fabaceae        | <i>Machaerium aculeatum</i>          | Mono | Mono | Mono | 79       |      |     | 1     | 0     |
| Fabaceae        | <i>Machaerium acutifolium</i>        | Poly | Poly | Low  | 45       |      |     | 1.022 | 2.22  |
| Fabaceae        | <i>Machaerium hirtum</i>             | Mono | Mono | Mono |          |      |     |       | 0     |
| Fabaceae        | <i>Mimosa sp.</i>                    | Mono | Mono | Mono |          |      |     |       | 0     |
| Fabaceae        | <i>Ormosia arborea</i>               | Poly | Poly | Low  | 403      |      |     | 1.002 | 0.25  |
| Fabaceae        | <i>Ormosia fastigiata</i>            | Mono | Mono | Mono |          |      |     |       | 0     |

|               |                                    |      |       |      |          |       |       |       |       |
|---------------|------------------------------------|------|-------|------|----------|-------|-------|-------|-------|
| Fabaceae      | <i>Peltogyne confertiflora</i>     | Mono | Mono  | Mono |          |       |       |       | 0     |
| Fabaceae      | <i>Piptadenia gonoacantha</i>      | Mono | Mono  | Mono | 125;117  | 1     | 0     | 1     | 0     |
| Fabaceae      | <i>Plathymenia reticulata</i>      | Mono | Mono  | Mono | 300      |       |       | 1     | 0     |
| Fabaceae      | <i>Platypodium elegans</i>         | Mono | Mono  | Mono | 213      |       |       | 1     | 0     |
| Fabaceae      | <i>Pterodon emarginatus</i>        | Mono | Mono  | Mono |          |       |       |       | 0     |
| Fabaceae      | <i>Tachigali vulgaris</i>          | Mono | Mono  | Mono |          |       |       |       | 0     |
| Fabaceae      | <i>Senegalia polyphylla</i>        | Poly | Poly  | Low  | 247; 67  | 1     | 0     | 1.015 | 1.49  |
| Fabaceae      | <i>Senna macranthera</i>           | Poly | Poly  | Low  | 1093     | 1.001 | 0.09  |       |       |
| Fabaceae      | <i>Senna rugosa</i>                | Poly | Poly  | Poly |          |       | 42.34 |       |       |
| Fabaceae      | <i>Senna sp.</i>                   | Mono | Mono  | Mono |          |       |       |       | 0     |
| Fabaceae      | <i>Senna sylvestris</i>            | Poly | Poly  | Low  | 346      |       |       | 1.003 | 0.29  |
| Fabaceae      | <i>Stryphnodendron adstringens</i> | Mono | Mono  | Mono | 228      | 1     | 0     |       |       |
| Fabaceae      | <i>Stryphnodendron polyphyllum</i> | Mono | Mono  | Mono |          |       |       |       | 0     |
| Lamiaceae     | <i>Aegiphila verticillata</i>      | Mono | Mono  | Mono | 200      | 1     | 0     |       |       |
| Lecythidaceae | <i>Cariniana estrellensis</i>      | Mono | Mono  | Mono | 454      |       |       | 1     | 0     |
| Lythraceae    | <i>Diplusodon virgatus</i>         | Mono | Mono  | Mono | 300      | 1     | 0     |       |       |
| Lythraceae    | <i>Lafoensia pacari</i>            | Mono | Mono  | Mono |          |       |       |       | 0     |
| Lythraceae    | <i>Physocalymma scaberrimum</i>    | Mono | Mono  | Mono |          |       |       |       | 0     |
| Malpighiaceae | <i>Byrsonima basiloba</i>          | Poly | Poly  | Low  |          |       |       |       | 3     |
| Malpighiaceae | <i>Peixotoa tomentosa</i>          | Poly | Poly  | Poly | 13       |       |       | 1.23  | 15.39 |
| Malvaceae     | <i>Apeiba tibourbou</i>            | Mono | Mono  | Mono |          |       |       |       | 0     |
| Malvaceae     | <i>Ceiba speciosa</i>              | Mono | Mono  | Mono | 250; 250 | 1     | 0     | 1     | 0     |
| Malvaceae     | <i>Eriotheca candolleana</i>       | Mono | Mono  | Mono | 300; 300 | 1     | 0     | 1     | 0     |
| Malvaceae     | <i>Eriotheca estevesiae</i>        | Mono | Mono  | Mono | 100;100  | 1     | 0     | 1     | 0     |
| Malvaceae     | <i>Eriotheca crenulata</i>         | Mono |       | Mono | 96; 50   | 1     | 0     | 1     | 0     |
| Malvaceae     | <i>Eriotheca crenulata</i>         | Poly | Mixed | Poly | 1964     | 3.69  | 95.26 |       |       |
| Malvaceae     | <i>Eriotheca parvifolia</i>        | Mono | Mono  | Mono | 500      | 1     | 0     |       |       |
| Malvaceae     | <i>Eriotheca pubescens</i>         | Mono |       | Mono | 500;500  | 1     | 0     | 1     | 0     |
| Malvaceae     | <i>Eriotheca pubescens</i>         | Poly | Mixed | Poly | 55; 177  | 3.491 | 81.82 | 2.37  | 76.84 |
| Malvaceae     | <i>Guazuma ulmifolia</i>           | Poly | Poly  | Low  | 989      |       |       | 1.01  | 1.21  |
| Malvaceae     | <i>Helicteres corylifolia</i>      | Mono | Mono  | Mono |          |       |       |       | 0     |
| Malvaceae     | <i>Luehea divaricata</i>           | Mono | Mono  | Mono | 100      |       |       | 1     | 0     |

|                 |                                  |      |       |      |          |      |       |       |       |
|-----------------|----------------------------------|------|-------|------|----------|------|-------|-------|-------|
| Malvaceae       | <i>Pachira glabra</i>            | Poly | Poly  | Poly | 754; 84  | 3.91 | 95.76 | 2.09  | 70.24 |
| Malvaceae       | <i>Pseudobombax longiflorum</i>  | Mono | Mono  | Mono | 300; 300 | 1    | 0     | 1     | 0     |
| Malvaceae       | <i>Pseudobombax minimum</i>      | Mono | Mono  | Mono | 100;100  | 1    | 0     | 1     | 0     |
| Malvaceae       | <i>Pseudobombax tomentosum</i>   | Mono | Mono  | Mono | 300;300  | 1    | 0     | 1     | 0     |
| Malvaceae       | <i>Sterculia striata</i>         | Mono | Mono  | Mono |          |      |       |       | 0     |
| Melastomataceae | <i>Acisanthera alsinaefolia</i>  | Mono | Mono  | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Cambessedesia hilariana</i>   | Mono | Mono  | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Cambessedesia regnelliana</i> | Mono | Mono  | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Chaetogastra gracilis</i>     | Mono | Mono  | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Chaetostoma armatum</i>       | Poly | Poly  | Low  |          |      |       | 1.044 | 3.68  |
| Melastomataceae | <i>Desmocelis villosa</i>        | Mono | Mono  | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Miconia adenothrix</i>        | Mono | Mono  | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Miconia albicans</i>          | Poly | Poly  | Low  |          |      |       | 1.02  | 2.03  |
| Melastomataceae | <i>Miconia angelana</i>          | Mono | Mono  | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Miconia auricoma</i>          | Poly |       | Low  |          |      |       | 1.016 | 1.29  |
| Melastomataceae | <i>Miconia auricoma</i>          | Mono | Mixed | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Miconia biserrata</i>         | Poly | Poly  | Poly |          |      |       | 1.179 | 16.98 |
| Melastomataceae | <i>Miconia chamissois</i>        | Mono | Mono  | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Miconia crenata</i>           | Poly | Poly  | Poly |          |      |       | 1.134 | 12.53 |
| Melastomataceae | <i>Miconia cuspidata</i>         | Poly | Poly  | Poly |          |      |       | 1.346 | 28.11 |
| Melastomataceae | <i>Miconia dependens</i>         | Poly | Poly  | Poly |          |      |       | 1.088 | 8.79  |
| Melastomataceae | <i>Miconia elegans</i>           | Poly | Poly  | Poly |          |      |       | 1.405 | 11.16 |
| Melastomataceae | <i>Miconia erostrata</i>         | Poly |       | Low  |          |      |       | 1.002 | 0.18  |
| Melastomataceae | <i>Miconia erostrata</i>         | Mono | Mixed | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Miconia fallax</i>            | Poly | Poly  | Poly |          |      |       | 1.151 | 13.63 |
| Melastomataceae | <i>Miconia ferruginata</i>       | Poly | Poly  | Poly |          |      |       | 1.243 | 20.49 |
| Melastomataceae | <i>Miconia ibaguensis</i>        | Poly | Poly  | Poly |          |      |       | 1.311 | 28.13 |
| Melastomataceae | <i>Miconia leacongertiflora</i>  | Poly | Poly  | Low  |          |      |       | 1.009 | 0.89  |
| Melastomataceae | <i>Miconia leacoriacea</i>       | Mono | Mono  | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Miconia leahumilis</i>        | Mono | Mono  | Mono |          |      |       | 1     | 0     |
| Melastomataceae | <i>Miconia ligustroides</i>      | Poly | Poly  | Poly |          |      |       | 1.208 | 18.75 |
| Melastomataceae | <i>Miconia nervosa</i>           | Mono | Mono  | Mono |          |      |       | 1     | 0     |

|                 |                                   |      |      |      |       |       |       |
|-----------------|-----------------------------------|------|------|------|-------|-------|-------|
| Melastomataceae | <i>Miconia pepericarpa</i>        | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Miconia rubiginosa</i>         | Poly | Poly | Poly |       | 1.251 | 21.75 |
| Melastomataceae | <i>Miconia sellowiana</i>         | Poly | Poly | Low  |       | 1.007 | 0.71  |
| Melastomataceae | <i>Miconia stenostachya</i>       | Poly | Poly | Poly |       | 1.156 | 14.63 |
| Melastomataceae | <i>Miconia theaezans</i>          | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Miconia tococa</i>             | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Microlicia canastrensis</i>    | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Microlicia cataphracta</i>     | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Microlicia hirsuta</i>         | Poly | Poly | Poly | 28.78 |       |       |
| Melastomataceae | <i>Microlicia helvola</i>         | Poly | Poly | Poly |       | 1.065 | 6.15  |
| Melastomataceae | <i>Microlicia inquinans</i>       | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Microlicia isophylla</i>       | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Microlicia johnwurdackiana</i> | Poly | Poly | Poly | 11.11 |       |       |
| Melastomataceae | <i>Microlicia polystemma</i>      | Poly | Poly | Poly | 24.13 |       |       |
| Melastomataceae | <i>Pleroma frigidulum</i>         | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Pleroma heteromallum</i>       | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Pleroma villosissimum</i>      | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Pterolepis repanda</i>         | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Rhynchanthera dichotoma</i>    | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Rhynchanthera grandiflora</i>  | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Svitramia hatschbachii</i>     | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Pleroma minus</i>              | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Svitramia sp.</i>              | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Svitramia sp. 2</i>            | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Pleroma wurdackiana</i>        | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Tibouchina aegopogon</i>       | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Trembleya parviflora</i>       | Mono | Mono | Mono |       | 1     | 0     |
| Melastomataceae | <i>Trembleya phlogiformis</i>     | Mono | Mono | Mono |       | 1     | 0     |
| Meliaceae       | <i>Cedrela fissilis</i>           | Mono | Mono | Mono | 683   | 1     | 0     |
| Moraceae        | <i>Brosimum gaudichaudii</i>      | Mono | Mono | Mono | 211   | 1     | 0     |
| Myristicaceae   | <i>Virola sebifera</i>            | Mono | Mono | Mono | 35    | 1     | 0     |

|              |                                   |      |      |      |           |      |      |       |       |
|--------------|-----------------------------------|------|------|------|-----------|------|------|-------|-------|
| Myrtaceae    | <i>Campomanesia adamantium</i>    | Mono | Mono | Mono |           |      |      |       | 0     |
| Myrtaceae    | <i>Campomanesia pubescens</i>     | Poly | Poly | Low  | 809       |      |      | 1.001 | 0.12  |
| Myrtaceae    | <i>Eugenia dysenterica</i>        | Mono | Mono | Mono |           |      |      |       | 0     |
| Myrtaceae    | <i>Eugenia glandulosa</i>         | Poly | Poly | Low  | 147       |      |      | 1.03  | 3.4   |
| Myrtaceae    | <i>Eugenia involucrata</i>        | Poly | Poly | Low  | 689       |      |      | 1.01  | 1.31  |
| Myrtaceae    | <i>Eugenia luschnathiana</i>      | Mono | Mono | Mono |           | 1    | 0    |       |       |
| Myrtaceae    | <i>Eugenia myrcianthes</i>        | Mono | Mono | Mono |           | 1    | 0    |       |       |
| Myrtaceae    | <i>Eugenia punicifolia</i>        | Poly | Poly | Low  | 443       |      |      | 1.002 | 0.45  |
| Myrtaceae    | <i>Eugenia pyriformis</i>         | Mono | Mono | Mono |           | 1    | 0    |       |       |
| Myrtaceae    | <i>Eugenia uniflora</i>           | Mono | Mono | Mono |           | 1    | 0    |       |       |
| Myrtaceae    | <i>Myrcia sp.</i>                 | Mono | Mono | Mono | 80        | 1    | 0    |       |       |
| Myrtaceae    | <i>Psidium cattleianum</i>        | Mono | Mono | Mono | 385       |      |      | 1     | 0     |
| Myrtaceae    | <i>Psidium salutare</i>           | Mono | Mono | Mono |           | 1    | 0    |       |       |
| Ochnaceae    | <i>Ouratea spectabilis</i>        | Poly | Poly | Low  | 1058      |      |      | 1.001 | 0.19  |
| Orchidaceae  | <i>Zygopetalum maculatum</i>      | Poly | Poly | Poly |           |      |      |       | 11.58 |
| Polygonaceae | <i>Triplaris gardneriana</i>      | Mono | Mono | Mono |           |      |      |       | 0     |
| Rhamnaceae   | <i>Zizyphus joazeiro</i>          | Poly | Poly | Low  |           |      |      |       | 2     |
| Rubiaceae    | <i>Coussarea hydrangeifolia</i>   | Mono | Mono | Mono | 50        | 1    | 0    |       |       |
| Rubiaceae    | <i>Genipa americana</i>           | Poly | Poly | Low  | 132; 1188 | 1.02 | 1.69 | 1     | 0.25  |
| Rubiaceae    | <i>Guettarda pohliana</i>         | Mono | Mono | Mono |           |      |      |       | 0     |
| Rubiaceae    | <i>Palicourea rigida</i>          | Mono | Mono | Mono |           |      |      |       | 0     |
| Rubiaceae    | <i>Tocoyena formosa</i>           | Mono | Mono | Mono |           |      |      |       | 0     |
| Salicaceae   | <i>Casearia sylvestris</i>        | Poly | Poly | Low  | 448       |      |      | 1.009 | 0.89  |
| Santalaceae  | <i>Phoradendron quadrangulare</i> | Mono | Mono | Mono | 300       | 1    | 0    |       |       |
| Sapindaceae  | <i>Magonia pubescens</i>          | Poly | Poly | Low  |           |      |      |       | 3     |
| Sapindaceae  | <i>Sapindus saponaria</i>         | Mono | Mono | Mono |           |      |      |       | 0     |
| Sapindaceae  | <i>Talisia esculenta</i>          | Mono | Mono | Mono |           |      |      |       | 0     |
| Siparunaceae | <i>Siparuna guianensis</i>        | Mono | Mono | Mono |           |      |      |       | 0     |
| Styracaceae  | <i>Styrax camporum</i>            | Mono | Mono | Mono |           |      |      |       | 0     |
| Urticaceae   | <i>Cecropia pachystachya</i>      | Mono | Mono | Mono | 128       | 1    | 0    |       |       |
| Velloziaceae | <i>Vellozia squamata</i>          | Mono | Mono | Mono | 1133      |      |      | 1     | 0     |

|              |                                |      |      |      |     |       |      |
|--------------|--------------------------------|------|------|------|-----|-------|------|
| Vochisiaceae | <i>Callisthene fasciculata</i> | Poly | Poly | Low  | 447 | 1.002 | 0.22 |
| Vochisiaceae | <i>Callisthene major</i>       | Poly | Poly | Low  | 176 | 1.006 | 0.57 |
| Vochisiaceae | <i>Qualea grandiflora</i>      | Mono | Mono | Mono | 467 | 1     | 0    |
| Vochisiaceae | <i>Qualea multiflora</i>       | Mono | Mono | Mono | 393 | 1     | 0    |
| Vochisiaceae | <i>Qualea parviflora</i>       | Mono | Mono | Mono | 351 | 1     | 0    |

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