**Table S3.** Species list of the trees with DBH 1-5 cm sampled in the studies sites: Reference Forest, Assisted Passive Restoration and Active Restoration. \*Non-native species.

| **Species** | **Reference Forest** | **Assisted Passive Restoration** | **Active Restoration** | **Total** |
| --- | --- | --- | --- | --- |
| **Anacardiaceae** |  |  |  |  |
| *Astronium graveolens* Jacq. | 6 | 2 |  | 8 |
| *Schinus terebinthifolius* Raddi |  | 7 | 7 | 14 |
| **Apocynaceae** |  |  |  |  |
| *Aspidosperma polyneuron* Müll.Arg. | 1 |  |  | 1 |
| *Aspidosperma subincanum* Mart. ex A.DC. |  |  | 1 | 1 |
| **Arecaceae** |  |  |  |  |
| *Syagrus romanzoffiana* (Cham.) Glassman | 1 |  |  | 1 |
| **Asteraceae** |  |  |  |  |
| *Baccharis dracunculifolia* DC. |  |  | 20 | 20 |
| *Chromolaena asperrima* (Sch.Bip. ex Baker) R.M.King & H.Rob. |  | 1 |  | 1 |
| *Chromolaena* sp. |  | 2 |  | 2 |
| *Cyrtocymura scorpioides* (Lam.) H.Rob. |  | 2 |  | 2 |
| *Gochnatia polymorpha* (Less.) Cabrera |  | 14 | 5 | 19 |
| *Piptocarpha rotundifolia* (Less.) Baker |  |  | 1 | 1 |
| *Piptocarpha sellowii* var. balansiana Hieron. | 1 |  |  | 1 |
| *Vernonanthura beyrichii* (Less.) H.Rob. |  | 1 |  | 1 |
| *Vernonanthura phosphorica* (Vell.) H. Rob. |  |  | 4 | 4 |
| *Vernonanthura brasiliana* (L.) H. Rob. |  | 2 |  | 2 |
| **Bignoniaceae** |  |  |  |  |
| *Handroanthus impetiginosus* (Mart. ex DC.) Mattos |  | 1 |  | 1 |
| \**Tecoma stans* (L.) Juss. ex Kunth |  | 3 |  | 3 |
| **Boraginaceae** |  |  |  |  |
| *Cordia sellowiana* Cham. | 1 |  |  | 1 |
| **Burseraceae** |  |  |  |  |
| *Protium heptaphyllum* (Aubl.) Marchand | 1 |  |  | 1 |
| **Cannabaceae** |  |  |  |  |
| *Trema micrantha* (L.) Blume | 1 |  |  | 1 |
| **Chrysobalanaceae** |  |  |  |  |
| *Hirtella hebeclada* Moric. ex DC. | 1 |  |  | 1 |
| **Euphorbiaceae** |  |  |  |  |
| *Actinostemon concolor* (Spreng.) Müll.Arg | 7 |  |  | 7 |
| *Alchornea glandulosa* Poepp. & Endl. | 2 | 3 |  | 5 |
| *Croton floribundus* Spreng. | 5 | 2 |  | 7 |
| *Sapium glandulosum* (L.) Morong |  | 2 |  | 2 |
| *Sebastiania commersoniana* (Baill.) L.B. Sm. & Downs | 11 |  |  | 11 |
| *Tetrorchidium rubrivenium* Poepp. | 8 |  |  | 8 |
| **Fabaceae** |  |  |  |  |
| *Acacia polyphilla*DC. |  | 3 |  | 3 |
| *Centrolobium tomentosum* Guillem. ex Benth. | 1 |  |  | 1 |
| *Dalbergia frutescens* (Vell.) Britton | 1 |  |  | 1 |
| *Dimorphandra mollis* Benth. |  | 1 |  | 1 |
| *Indigofera hirsuta* L. |  | 1 |  | 1 |
| *Inga edulis* Mart. |  | 1 | 1 | 2 |
| *Inga striata* Benth. |  |  | 1 | 1 |
| *Lonchocarpus muehlbergianus* Hassl. |  | 1 |  | 1 |
| *Luetzelburgia guaissara* Toledo | 2 |  |  | 2 |
| *Machaerium brasiliense* Vogel | 2 |  |  | 2 |
| *Machaerium scleroxylon* Tul. |  | 1 |  | 1 |
| *Machaerium stipitatum* Vogel | 4 |  |  | 4 |
| *Myroxylon peruiferum* L.f. | 2 |  |  | 2 |
| *Peltophorum dubium* (Spreng.) Taub. |  | 1 | 1 | 2 |
| *Piptadenia gonoacantha* (Mart.) J.F.Macb | 77 | 1 |  | 78 |
| **Lauraceae** |  |  |  |  |
| *Aniba firmula* (Nees & Mart.) Mez | 4 |  |  | 4 |
| *Nectandra megapotamica* (Spreng.) Mez | 1 |  |  | 1 |
| *Ocotea elegans* Mez | 1 |  |  | 1 |
| *Ocotea* sp. | 1 |  |  | 1 |
| **Malvaceae** |  |  |  |  |
| *Luehea divaricata* Mart. & Zucc. | 1 |  | 1 | 2 |
| *Triumfetta rhomboidea* Jacq. |  | 1 | 1 | 2 |
| **Melastomataceae** |  |  |  |  |
| *Miconia discolor* DC. | 1 |  |  | 1 |
| *Miconia* sp. |  | 3 |  | 3 |
| **Meliaceae** |  |  |  |  |
| *Cedrela fissilis* Vell. | 7 |  |  | 7 |
| *Guarea guidonia* (L.) Sleumer | 1 |  |  | 1 |
| *Guarea kunthiana* A.Juss | 1 |  |  | 1 |
| *Trichilia casaretti* C.DC. | 1 |  |  | 1 |
| *Trichilia catigua* A.Juss. | 1 |  |  | 1 |
| *Trichilia clausseni* C.DC. | 5 |  |  | 5 |
| *Trichilia elegans* A.Juss. | 8 |  |  | 8 |
| *Trichilia pallida* Sw. | 2 |  |  | 2 |
| **Moraceae** |  |  |  |  |
| *Maclura tinctoria* (L.) D.Don ex Steud. |  | 1 |  | 1 |
| **Myrtaceae** |  |  |  |  |
| *Eugenia florida* DC. | 2 |  |  | 2 |
| *Myrciaria floribunda* (H.West ex Willd.) O.Berg | 4 |  |  | 4 |
| *Psidium cattleianum* Sabine |  | 1 |  | 1 |
| \**Psidium guajava* L. | 17 | 20 | 21 | 58 |
| **Phyllanthaceae** |  |  |  |  |
| *Savia dictyocarpa* Müll.Arg. | 1 |  |  | 1 |
| **Phytolaccaceae** |  |  |  |  |
| *Seguieria langsdorffii* Moq. | 1 |  |  | 1 |
| **Piperaceae** |  |  |  |  |
| *Piper amalago* L. | 4 |  |  | 4 |
| *Piper gaudichaudianum* (Kunth) Kunth ex Steud. | 7 |  |  | 7 |
| *Piper malacophyllum* (C.Presl) C.DC. | 13 |  |  | 13 |
| *Piper mollicomum* (Kunth) Kunth ex Steud. | 5 |  |  | 5 |
| *Piper* sp. | 1 | 29 |  | 30 |
| *Piper umbellatum* L. |  | 1 |  | 1 |
| **Primulaceae** |  |  |  |  |
| *Myrsine ferruginea* (Ruiz & Pav.) Spreng. | 2 | 26 |  | 28 |
| *Myrsine umbellata* Mart. | 22 |  |  | 22 |
| **Rhamnaceae** |  |  |  |  |
| *Rhamnidium elaeocarpum* Reissek | 4 |  | 1 | 5 |
| **Rubiaceae** |  |  |  |  |
| *Psychotria carthagenensis* Jacq. |  | 2 |  | 2 |
| *Psychotria leiocarpa* Cham. & Schltdl. | 1 |  |  | 1 |
| *Psychotria myriantha* Müll.Arg. | 1 |  |  | 1 |
| *Randia nitida* (Kunth) DC. |  | 4 |  | 4 |
| **Rutaceae** |  |  |  |  |
| *Almeidea lilacina* A.St.-Hil. | 9 |  |  | 9 |
| *Almeidea coerulea* (Nees & Mart.) A. St.-Hil. | 3 |  |  | 3 |
| *Esenbeckia febrifuga* (A.St. -Hil.) A. Juss. ex Mart. |  |  | 1 | 1 |
| *Metrodorea stipularis* Mart. | 8 |  |  | 8 |
| *Zanthoxylum fagara* (L.) Sarg. | 1 | 1 |  | 2 |
| *Zanthoxylum acuminatum* (Sw.) Sw. |  | 1 |  | 1 |
| **Salicaceae** |  |  |  |  |
| *Casearia decandra* Jacq. | 1 |  |  | 1 |
| *Casearia sylvestris* Sw. | 18 | 2 |  | 20 |
| **Sapindaceae** |  |  |  |  |
| *Allophylus edulis* (A.St.-Hil. et al.) Hieron. Ex Niederl. | 1 | 1 |  | 2 |
| *Cupania vernalis* Cambess. | 3 |  |  | 3 |
| *Matayba elaeagnoides* Radlk | 1 |  |  | 1 |
| **Sapotaceae** |  |  |  |  |
| *Chrysophyllum gonocarpum* (Mart. & Eichler ex Miq.) Engl. | 2 |  |  | 2 |
| **Solanaceae** |  |  |  |  |
| *Cestrum mariquitense* Kunth |  | 6 |  | 6 |
| *Cestrum strigillatum* Ruiz & Pav. |  |  | 1 | 1 |
| *Solanum swartzianum* Roem. & Schult. | 1 |  |  | 1 |
| **Verbenaceae** |  |  |  |  |
| *Aloysia virgata* (Ruiz & Pav.) Juss. | 4 | 4 |  | 8 |
| *\*Lantana camera* L. |  | 1 |  | 1 |
| **Violaceae** |  |  |  |  |
| *Hybanthus atropurpureus* (A.St.-Hil.) Taub. | 9 | 2 |  | 11 |