**Appendix S3.** List of plant species that defines each plant community with their distribution. Widespread species were not included (see Appendix S4). GF= Gallery forest, RS= Riverine scrub, HG= Humid grassland.

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| Species | Plant community | Distribution |
| *Campomanesia guazumifolia (Cambess.) O. Berg* | GF | Parana dominion |
| *Cestrum laevigatum* Schltdl*.* |
| *Cordia ecalyculata* Vell*.* |
| *Ficus enormis* (Mart. ex Miq.) Mart. |
| *Ficus luschnathiana* (Miq.) Miq. |
| *Myrsine parvula* (Mez) Otegui |
| *Pilocarpus pennatifolius* Lem*.* |
| *Phytolacca dioica* L. |
| *Prunus subcoriacea* (Chodat & Hassl.) Koehne |
| *Sebastiania commersoniana* (Baill.) L.B. Sm. & Downs |
| *Sebastiania serrata* (Baill. ex Müll. Arg.) Müll. Arg. |
| *Solanum corymbiflorum* (Sendtn.) Bohs |
| *Styrax leprosus* Hook. & Arn. |
| *Syagrus romanzoffiana* (Cham.) Glassman |
| *Symplocos uniflora* (Pohl) Benth. |
| *Vitex megapotamica* (Spreng.) Moldenke |
| *Mimosa pilulifera* Benth*.* | RS |
| *Myrceugenia glaucescens* (Cambess.) D. Legrand & Kausel |
| *Sebastiania schottiana* (Müll. Arg.) Müll. Arg. |
| *Citharexylum montevidense* (Spreng.) Moldenke | GF | Parana province |
| *Eugenia uruguayensis* Cambess. |
| *Guarea macrophylla* subsp. *Spicaeflora* (A. Juss.) T.D. Penn. |
| *Inga uraguensis* Hook. & Arn. |
| *Lonchocarpus nitidus* (Vogel) Benth. |
| *Nectandra angustifolia* (Schrad.) Nees & Mart. |
| *Ocotea acutifolia* (Nees) Mez |
| *Poecilanthe parviflora* Benth. |
| *Terminalia australis* Cambess. |
| *Aeschynomene montevidensis* Vogel | RS |
| *Cephalanthus glabratus* (Spreng.) K. Schum. |
| *Sesbania punicea* (Cav.) Benth. |
| *Phyllanthus sellowianus* (Klotzsch) Müll. Arg. |
| *Copernicia alba* Morong | GF | Chacoan dominion |
| *Cereus argentinensis* Britton & Rose | GF | Chacoan province |
| *Diplokeleba floribunda* N.E. Br. |
| *Schinopsis balansae* Engl. |
| *Thevetia bicornuta* Müll. Arg. |
| *Paspalum quadrifarium* Lam*.* | HG | Pampean province |