



**UNIVERSIDADE FEDERAL DE MINAS GERAIS**  
**INSTITUTO DE CIÊNCIAS BIOLÓGICAS**

Departamento de Botânica

**Programa de Pós-Graduação em Biologia Vegetal**



**UFMG**

**NAYARA COUTO MOREIRA**

## ***A FLORULA LAGOENSIS DE WARMING REVISITADA***

**Dissertação apresentada ao Programa de Pós-Graduação em Biologia Vegetal do Departamento de Botânica do Instituto de Ciências Biológicas da Universidade Federal de Minas Gerais, como requisito parcial à obtenção do título de Mestre em Biologia Vegetal.**

**Área de concentração: Morfologia, Sistemática e Diversidade Vegetal**

**BELO HORIZONTE - MG**

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**Orientador: Prof. Dr. João Renato Stehmann**  
**Universidade Federal de Minas Gerais**

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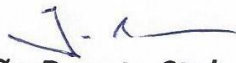
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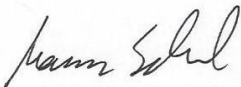
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**Dr. João Renato Stehmann (UFMG)**



**Dr. Marcos Eduardo Guerra Sobral (Universidade Federal de  
São João del-Rei)**



**Dr. Alexandre Salino (UFMG)**

*“... Sinto-me fortemente atraído e cativo daqueles lugares, onde a vida era leve como o ar que se respirava; ensolarada como a terra onde se caminhava; e avançava tranquila como as ondas da pequena lagoa de Lagoa Santa. Muitas vezes, as singelas melodias brasileiras ressoam aos meus ouvidos, fazendo-me sentir um forte desejo de rever aqueles lugares e então sinto a veracidade do antigo provérbio: “Ninguém anda impune sob as palmeiras”. Em Lagoa Santa havia luz, felicidade e paz!” (Warming, 1923)*

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## RESUMO

Há cerca de 150 anos, o dinamarquês Eugen Warming (1841-1924) veio ao Brasil, onde começou a sua carreira como botânico e foi secretário do famoso paleontólogo, também dinamarquês, Peter Wilhelm Lund (1801-1880), em Lagoa Santa, no estado de Minas Gerais. Durante três anos (1863-1866), Warming coletou um extenso volume de material botânico e informações que resultaram em uma das primeiras obras da ecologia vegetal, “Lagoa Santa” e onde consta a primeira lista florística do Cerrado, a *Florula Lagoensis*. O retorno a esse trabalho é importante para resgatar e divulgar o rico conhecimento existente sobre a biodiversidade brasileira. No primeiro capítulo foi recapitulado o contexto histórico do século XIX que influenciou a carreira desse pesquisador, apresenta-se uma breve biografia, informações sobre a região de Lagoa Santa e sua importância para a ciência. No segundo capítulo, revisitamos a *Florula Lagoensis*, atualizando taxonômica e nomenclaturalmente todas as espécies de Angiospermas. Apresentamos, também, uma análise histórica, ao reunir os registros de coleta dos herbários nos últimos 150 anos para Lagoa Santa e apontamos os espécimes-tipo coletados por Warming nesse local. Somente 539 (23,7%) das 2.270 espécies coletadas por Warming foram recoletadas pelos botânicos, durante todos esses anos. Novas adições à lista representaram apenas 228 espécies (9,1%). Os espécimes-tipo nomenclaturais foram 373 (14,1). Essa pequena área de cerca de 170 Km<sup>2</sup> revelou uma grande riqueza de espécies quando comparada com outras regiões inventariadas em Minas Gerais, mesmo com áreas maiores. No terceiro capítulo, é descrita uma nova espécie de *Solanum* L. (Solanaceae) pertencente ao clado Geminata para a Flora do Brasil, *Solanum lagoense* Stehmann, sp.nov. A espécie habita o sub-bosque da Floresta Estacional associada a afloramentos calcários junto à gruta da Lapinha, em Lagoa Santa, uma área inventariada em detalhe por Warming. São apresentadas a descrição da espécie, comentários taxonômicos, bem como, a avaliação que sugere o status de Criticamente Ameaçada à espécie. Por fim, destaca-se, nessa dissertação, a completude do trabalho realizado por Warming e a relevância das lições deixadas por ele: 1) a importância de coletar intensivamente, 2) a atenção focada aos pequenos detalhes no campo, 3) e trabalhar em colaboração com vários especialistas. Por todos esses motivos é justo reconhecer Warming como pai dos estudos florísticos no Brasil.

**Palavras-chave** Eugen Warming, Lagoa Santa, inventário florístico, material-tipo, avaliação do risco de extinção.

## ABSTRACT

The Danish botanic Eugen Warming (1841-1924) started his career in Lagoa Santa, Minas Gerais state, Brazil, between 1863 and 1866, while working as secretary of the Danish palaeontologist Peter Wilhelm Lund (1801-1880). During this period, Warming collected a great amount of plants and informations that came up to one of the first text in Plant Ecology, “Lagoa Santa” and where can be found the first floristic list of the Brazilian savanna (Cerrado), the *Florula Lagoensis*. Going back to this work is very important to refresh and to broadcast the knowledge about the huge Brazilian biodiversity. In the first chapter, we revise the cultural and philosophical scene of the XIX century that acted upon this naturalist career, presents a quickly bibliography; informations about Lagoa Santa and its importance to science. In the second chapter, we revisit the *Florula Lagoensis*, updating nomenclatural and taxonomically all flowering plants, and analyze the contribution of new collections to this place. We also recovered the type specimens collected by Warming in Lagoa Santa. Only 539 (23,7%) from 2,270 of Warming’s samples in Lagoa Santa have been collected by botanists after almost 150 years and new additions to the list were only 228 (9,1%). Nomenclatural types collected by Warming were 373 (14,1%). This small area, of about 170 Km<sup>2</sup>, revealed considerable superior richness when compared to other sites of Minas Gerais with bigger areas. In the third chapter, a new species of *Solanum* (Solanaceae) from the Geminata clade is described to the Brazilian flora, *Solanum lagoense* Stehmann, **sp. nov.** The species is only known from Lapinha, a rocky massif located in the Lagoa Santa karst. We present a description, taxonomic comments and assessment for conservation status that points out the species as critically endangered. We stress the completeness of Warming’s work and highlight the importance of following Warming’s footsteps and lessons: 1) to collect intensively; 2) to observe details in the field; 3) and to work in a collaborative way. For these reasons, it’s fair to recognize Eugene Warming as the father of floristic studies in Brazil.

**Keywords** Eugen Warming, Lagoa Santa, floristic inventory, type material, assessment of extinction risk.

## APRESENTAÇÃO GERAL

Esse trabalho parte dos estudos realizados pelo pesquisador dinamarquês, Eugen Warming (1841-1924), no pequeno arraial de Lagoa Santa, Minas Gerais, Brasil, entre 1863 e 1866 (Stafleu & Cowan 1988). Nesse período de três anos, Warming estudou a vegetação local e fez intensas coletas botânicas, que geraram o artigo, escrito em dinamarquês, “Lagoa Santa. *Et Bidrag til den biologiske Plantegeografi. Med en Fortegnelse over Lagoa Santas Hvirveldyr*” (Warming 1892), mais tarde republicado na forma de livro sob o nome “Lagoa Santa - Contribuição para a geographia phytobiologica” (Warming 1908). A partir dessa publicação, Warming foi reconhecido como um dos fundadores da Ecologia (Goodland 1975; Klein 2002).

A completa lista de espécies vegetais publicada foi denominada *Florula Lagoensis* e possuía 2.593 espécies, entre algas, musgos, pteridófitas e fanerógamas, essas últimas, representadas por 2.488 espécies. Dentre essas, cerca de 350 eram desconhecidas pela ciência, na época, um número expressivo para uma área tão pequena (Warming 1908).

Essa foi a primeira lista produzida para o Cerrado e até hoje é referência para os botânicos (Mendonça et al. 2008). Antes de Warming, nenhuma flora completa havia sido publicada para uma localidade geográfica específica no Brasil. Alguns naturalistas haviam realizado coleções locais que foram enviadas para a Europa, como A. F. Regnell em Caldas, Minas Gerais (Concha-Quezada 2011; Dahlgren 1962) e G. Marggraf no nordeste brasileiro (De Souza 2013).

Com o pioneirismo do trabalho, várias espécies foram descritas a partir das coletas de Warming, que se tornaram tipos nomenclaturais. As 3.000 exsicatas e mais 700 doadas por Lund, que Warming levou para a Europa, foram em sua maioria depositadas no herbário do Museu de História Natural de Copenhague (Herbário C); parte foi enviada para especialistas e ficou dispersa em diferentes herbários (Warming 1908). As informações sobre o acervo coletado por Warming permanecem ainda pouco acessíveis para a comunidade científica e não foram objeto de estudo em nenhum projeto de repatriamento de dados da flora brasileira no exterior.

A riqueza em sítios arqueológicos e espeleológicos em Lagoa Santa levou à criação, em 1990, da APA Carste, pelo Decreto presidencial nº 98.881 (Brasil 1990). A Província Cárstica também foi considerada como área prioritária para a conservação no estado de Minas Gerais, considerando-a como de extrema importância biológica, por

estar na rota migratória de aves raras e ameaçadas, por conter espécies endêmicas de invertebrados e ameaçadas pela pressão antrópica (Fundação Biodiversitas 2005). A implantação e operação de importantes empreendimentos públicos, o crescimento industrial e urbano apresentam-se como potenciais riscos para a conservação do patrimônio natural e histórico-cultural da região. Para minimizar esses riscos, foi idealizado o Sistema de Áreas Protegidas (SAP), que prevê a criação de um conjunto de unidades de conservação (UC's) na região (Ambiente Brasil 2009).

Diante desse cenário, a obra de Warming foi revisitada, ao ser revisada a listagem publicada por ele e avaliado que ela representa atualmente, passados mais de 150 anos. Nossa expectativa é que tenha havido um incremento muito grande no conhecimento da flora local, já que a região está localizada próximo a capital do estado de Minas Gerais, Belo Horizonte, e próxima a centros de pesquisa.

Além de dados secundários provenientes da literatura e dos registros dos acervos botânicos, realizamos coletas de amostras na região de Lagoa Santa, mas que não foram incorporadas ao presente trabalho, pois foram pontuais e focadas para a vegetação associada aos afloramentos calcários. De qualquer forma, esse pequeno esforço resultou no reconhecimento de uma espécie nova aqui descrita e na coleta de amostras conhecidas para a região apenas pelas coletas de Warming.

A dissertação está organizada em três capítulos, a saber: 1) “A importância de Eugen Warming e do município de Lagoa Santa para a botânica brasileira” – que consta de um resgate da importância histórica de Warming e de Lagoa Santa para a ciência; 2) “Warming’s *Florula Lagoensis* revisited: Old lessons to new challenges” - compara o acervo listado por Warming com os demais registros de coleta disponíveis para a região; 3) “A new species of *Solanum* L. (Solanaceae, Geminata clade) from Lagoa Santa, Brazil” – trata-se da descrição de uma espécie nova de *Solanum* L. (Solanaceae), encontrada em uma das visitas realizadas à área de estudo.

Esperamos que os estudos aqui apresentados possam servir de base para o repatriamento dos registros do herbário do Museu de História Natural de Copenhague (Herbário C) para herbários virtuais brasileiros; para a coleta de amostras, especialmente, das espécies cujos tipos foram coletados por Warming; bem como, para nortear a tomada de decisão acerca da conservação de espécies na região de Lagoa Santa, que sofre uma mudança drástica na paisagem, tendo em vista os projetos associados ao vetor norte da região metropolitana de Belo Horizonte.

Para efeito do Código Internacional para Nomenclatura de Algas, Fungos e Plantas, esta dissertação não constitui publicação efetiva para as mudanças nomenclaturais e os novos nomes aqui propostos. Essas mudanças serão efetivadas somente a partir da publicação dos manuscritos aqui apresentados.

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## CAPÍTULO I

### A importância de Eugen Warming e do município de Lagoa Santa para a botânica brasileira

**RESUMO** Há cerca de 150 anos, o botânico dinamarquês Eugen Warming (1841-1924) veio ao Brasil. Durante sua breve estadia, Warming coletou um extenso volume de material botânico e informações que resultaram em uma das primeiras obras da ecologia vegetal, “Lagoa Santa”. O retorno a esse trabalho é importante para se resgatar e divulgar o rico conhecimento existente sobre a biodiversidade brasileira. Nesse texto, por meio de uma busca bibliográfica, foi recapitulado o contexto histórico do século XIX que influenciou a carreira desse pesquisador, apresenta-se uma breve biografia, informações sobre a região de Lagoa Santa, em Minas Gerais, Brasil, e sua importância para a ciência.

**Palavras-chave** Eugen Warming, Lagoa Santa, história da Botânica, Florística.

**ABSTRACT** The Danish botanic Eugen Warming (1841-1924) went to Brazil, 150 years ago. During three years, Warming collected a great amount of plants and informations that came up to one of the first text in Plant Ecology, “Lagoa Santa”. Going back to this work is very important to refresh and to broadcast the knowledge about the huge Brazilian biodiversity. In this text, we revise the cultural and philosophical scene of the XIX century that acted upon this naturalist career, presents a quickly bibliography, informations about Lagoa Santa, in Minas Gerais state and its importance to science.

**Keywords** Eugen Warming, Lagoa Santa, history of Botany, Floristics.

#### Introdução

Em 1863, o botânico dinamarquês, Eugen Warming (1841-1924), deixou a Europa para se aventurar em terras brasileiras, como secretário do famoso paleontólogo, também dinamarquês, Peter Wilhelm Lund (1801-1880), que vivia em Lagoa Santa, Minas Gerais, Brasil. Warming passou três anos (1863-1866) nesse local, já na época, reconhecido por sua importância paleontológica e arqueológica (Gomes 2006).

Como fruto principal dessa estadia, ele produziu um estudo detalhado da flora local, publicado na Dinamarca, em 1892 e editado em português em 1908, com o nome de “Lagoa Santa - Contribuição para a geographia phytobiologica” (Gomes 2006). O livro é considerado uma das primeiras obras da Ecologia Vegetal (Klein 2002).

Nesse texto é recapitulado o contexto histórico do século XIX que influenciou a carreira desse pesquisador, apresenta-se uma breve biografia, informações sobre Lagoa Santa e sua importância para a ciência.

## Contexto histórico da ciência no século XIX

O contexto científico na época de Warming, durante o século XIX, foi de intenso desenvolvimento, com avanços em várias áreas, como Matemática, Física, Química, Biologia e Medicina. A Europa detinha a hegemonia científica, exportada junto com as práticas colonialistas, que levaram à exploração de territórios desconhecidos na África, Ásia e América (Rosa 2012).

O Velho Mundo, no entanto, encontrava-se em um período conturbado, marcado pela ascensão da burguesia e explosão da segunda Revolução Industrial, o que resultou no nascimento das primeiras doutrinas sociais de grandes pensadores, como Montesquieu, Adam Smith, Rousseau, Saint-Simon, Fourier, Proudhon, Louis Blanc e Robert Owen, além do “Manifesto Comunista” de Marx e Engels (Lewandowski 2003; Rosa 2012).

Apesar do espírito positivista que reconheceu o papel social da ciência e estimulou o crescimento da classe intelectual, assim como das instituições acadêmicas e das publicações científicas (de Sousa Santos & dos Santos 2013), a religião continuou a representar um papel importante para a sociedade, convivendo com os avanços e as descobertas (Rosa 2012).

Nesse momento da história, nasceram novas áreas de pesquisa, como a Geologia, Mineralogia, Elétrica, Psicologia, Química-orgânica, entre outras disciplinas. A Astronomia se beneficiou dos avanços da Óptica e a Teoria Atômica ganhou forças. A Biologia veio a se tornar um dos mais importantes ramos científicos da época, com destaque para a publicação da “Origem das espécies” de Darwin, em 1859 (Rosa 2012). A criação da Microbiologia significou um grande avanço para a Medicina (Monteiro 2014). Não menos importantes foram a Fisiologia e a Anatomia Comparada, com a contribuição das teorias de Cuvier (Rosa 2012).

A História Natural, apesar de assumir um caráter mais científico e experimental, guardou ainda as práticas descritivas e o colecionismo dos séculos XVII e XVIII (Barbosa 2009). Era de praxe que estudantes e cientistas da Europa se aventurassem em viagens pelo mundo, a fim de explorar os ambientes exóticos e desconhecidos (Holten & Sterll 2011).

No Brasil, as campanhas naturalistas se iniciaram após a chegada da corte portuguesa em 1808 e se intensificaram com o casamento do príncipe regente Dom Pedro e a princesa Leopoldina da Áustria, que em sua comitiva trouxe cientistas e



artistas (Holten & Sterll 2011). Dentre eles, Von Martius, o botânico que reuniu o estudo mais completo da flora brasileira existente (Giulietti et al. 2005), até 2010, quando foi lançada a lista das espécies da flora do Brasil (Forzza et al. 2012). Muitos foram os naturalistas que vieram ao Brasil, assim como Lund, Warming e Martius, estudar a natureza dos trópicos. Pode-se ainda mencionar Saint-Hilaire, Langsdorff, Riedel, Sellow, entre outros (Belluzzo 1994; Holten & Sterll 2011).

Peter Lund (Figura 1) foi um dos pesquisadores que, encantado pelos relatos de viagem, se aventurou pelo Brasil em uma passagem rápida pelo Rio de Janeiro, de 1825 a 1829. Retornou em 1833, mas dessa vez partiu em uma excursão botânica com Riedel por São Paulo e Goiás. Quase ao final da viagem, na cidade mineira de Curvelo, conheceu Peter Claussen (1804-1855), um comerciante e coletor de objetos naturais, dinamarquês (Urban 1906), que apresentou a Lund as grutas com fósseis da região. Lund foi conquistado por essa rica fonte de conhecimento ainda inexplorada pela ciência. Ele acabou por fixar residência no pequeno arraial de Lagoa Santa, onde estudou as grutas, com suas riquezas paleontológicas e arqueológicas. Ele publicou trabalhos sobre o Brasil em diversas áreas, botânica, zoologia, paleontologia, arqueologia e deixou uma extensa coleção, principalmente de fósseis, que se encontra hoje na Dinamarca (Holten & Sterll 2011).



Figura 1. Foto de Lund, tirada por Warming (Gomes 2006).

### Quem foi Eugen Warming?

Johannes Eugenius Bülow Warming (Figura 2), ou Eugen Warming, com era conhecido, nasceu em trêsde outubro de 1841, filho único de Jens Warming e Ane Marie (Urban 1884). Desde muito cedo apresentou interesse pelas Ciências Naturais. Em 1859, mesmo ano da publicação da “Origem das Espécies”, Warming entrou para o

curso de História Natural, com especialização em botânica, na Universidade de Copenhague, onde sempre teve destaque nos estudos (Gomes 2006).



Figura 2. Foto de Warming (Christensen 2012).

Em 1862, foi convidado a secretariar Lund (Gomes 2006), que residia em Lagoa Santa há mais de trinta anos. O paleontólogo havia perdido seu fiel companheiro de escavações, ilustrador, secretário e amigo Peter Andreas Brandt (1792-1862). Na época, com 60 anos e com problemas de visão, Lund precisava de um novo secretário, que dominasse o dinamarquês e teve preferência por um botânico, pois, já há algum tempo, havia encerrado as escavações nas grutas (Holten & Sterll 2011).

Antes de partir para sua aventura no Brasil, o jovem cientista seguiu um plano de estudos elaborado com a ajuda de seus professores na Dinamarca, para se inteirar da vasta e desconhecida flora brasileira e fez um curso rápido de fotografia (Holten & Sterll 2011).

Em fevereiro de 1863, aos 21 anos, ele partiu em uma viagem de dois meses de navio até o Rio de Janeiro, onde teve que esperar, por um mês, os tropeiros que o levariam até Lagoa Santa. Aproveitou esse tempo para aprender o português e fazer coletas (Gomes 2006).

Chegou a Lagoa Santa somente em julho de 1863, após percorrer as trilhas de tropeiros pelas matas e campos do interior do Brasil e dormir em ranchos. Foi recebido com a hospitalidade com que Lund recebia todos os seus visitantes (Holten & Sterll 2011).

Warming havia programado ficar no Brasil por dois anos apenas, mas acabou ficando três. Durante sua estadia, se dedicava a secretariar Peter Lund e no restante do tempo realizava coletas de material botânico. Como não dispunha de um tempo longo e na maioria das vezes andava a pé, algumas vezes usava cavalo, suas coletas não distanciaram muito de Lagoa Santa, cerca de uma a duas léguas (6,5 a 13 km, aproximadamente) (Figura 3) (Warming 1908). Chegou a visitar a Serra da Piedade, que lhe despertou um interesse peculiar, devido às características diferenciadas da flora de altitude (Gomes 2006). Fez os primeiros registros fotográficos da região de Lagoa Santa e levou para a Dinamarca com uma série de ilustrações de plantas e paisagens, inclusive ilustrações de Peter Brandt, doadas por Lund, que anos depois lhe deixou como herança os seus diários e cadernos de viagem (Holten & Sterll 2011).

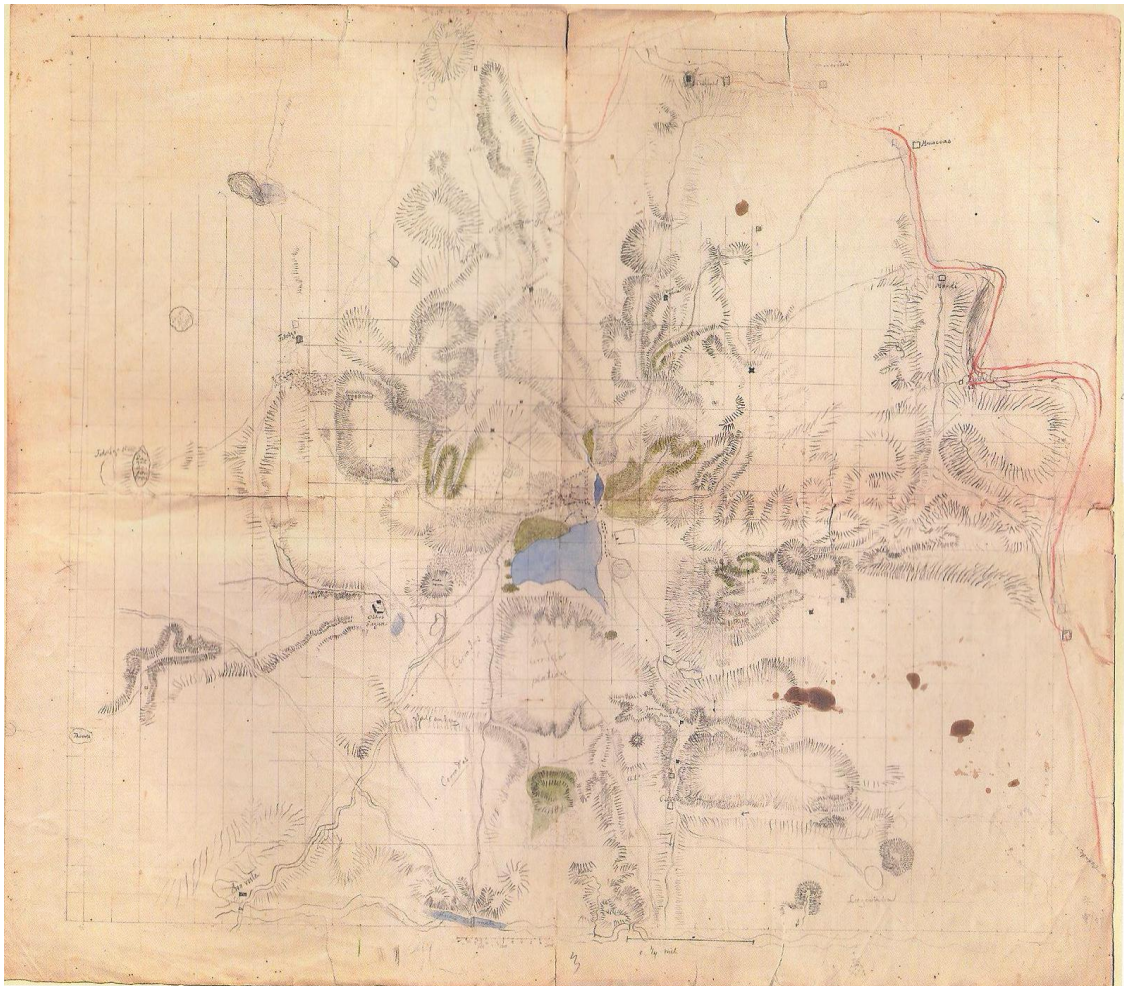


Figura 3. Mapa desenhado a mão por Warming, com os principais acidentes geográficos, fazendas e trilhas no entorno de Lagoa Santa, no século XIX (Gomes, 2006).

Em 1866, voltou para a Dinamarca (Warming 1908), mas antes do retorno, no Rio de Janeiro, encontrou com o diretor do Jardim Botânico Imperial A. F. Glaziou (1828-1906), com quem manteve contato e trocou muitas correspondências. Warming levou para a Europa uma grande quantidade de exsicatas, inclusive doadas por Lund, com quem se comunicou, por cartas, até um pouco antes de esse falecer (Gomes 2006).

Warming foi professor e reitor da Universidade de Estocolmo. Mais tarde, em 1886, foi nomeado professor titular e diretor do Jardim Botânico da Universidade de Copenhague, onde também foi reitor (Klein 2002; Urban 1906). Suas coleções se encontram principalmente nos herbários C, BM, BR, DPU, E F, G, GB, GH, GOET, H, K, L, LE, M, MO, MW, NY, O, P, R, RB, S, US, VT, W e Z, em B a maioria do material foi destruído (Stafleu & Cowan 1988), herbários foram identificados conforme acrônimos em Thiers (2015)

Publicou mais de 280 artigos e livros, dentre eles o "Manual de botânica sistemática" (Warming 1878), "Plantas com sementes" (Warming 1912), "Populações vegetais: fundamentos de geografia ecológica vegetal" (Warming 1895), com o qual se consagrou mundialmente como pai da Ecologia Vegetal (Klein 2002), as referências de todas as demais obras podem ser encontradas no "Taxonomic Literature – II" (Stafleu & Cowan 1988). Ele foi, ainda, presidente da Sociedade Botânica da Dinamarca e nos últimos anos de trabalho se dedicou ao estudo da flora Dinamarquesa (Gomes 2006).

Warming nunca se esqueceu do tempo em que viveu no Brasil e essa experiência foi decisiva para sua trajetória profissional, assim como o contato com Lund, que lhe foi de grande inspiração e fonte de influência para toda a carreira (Gomes 2006; Holten & Sterll 2011; Klein 2010). Em sua última palestra, quase 60 anos após a viagem ao Brasil, falou com saudades desse período (Gomes 2006; Holten & Sterll 2011).

## Lagoa Santa

O município de Lagoa Santa integra a Região Metropolitana de Belo Horizonte, localizado cerca de 30 km ao norte da capital de Minas Gerais (Berbert-Born 2002). Ocupa um território de aproximadamente 229 km<sup>2</sup>, com população estimada de 57.589 habitantes e IDH de 0,777 (IBGE 2010).

O planalto de Lagoa Santa insere-se em rochas calcárias neoproterozóicas do Grupo Bambuí, integrante do Cráton do São Francisco (Berbert-Born 2002). O intemperismo químico, a corrosão pelas águas superficiais e subterrâneas nas rochas

calcáreas, a ação dos ventos e a acomodação dos blocos de rochas, conferem as feições cársticas da região. O que pode ser evidenciado pela apresentação do relevo, em determinados pontos, em formas de dolinas, janelas, grutas e paredões, ricos em registros paleontológicos e pré-históricos (Kohler 1989). Essa riqueza levou à criação, em 1990, da APA Carste de Lagoa Santa, pelo Decreto presidencial nº 98.881. Vale ressaltar que o primeiro fóssil humano da América do Sul foi encontrado por Peter Lund, na gruta do Sumidouro, ao norte de Lagoa Santa, em 1840 (Holten & Sterll 2011).

A cidade situa-se na confluência de dois rios, o rio das Velhas e seu afluente, ribeirão da Mata, pertencentes à bacia do rio São Francisco. A região se caracteriza por apresentar inúmeras lagoas (Berbert-Born 2002), no centro da cidade, encontra-se uma das maiores, a Lagoa Central (Brighenti 2009) (Figura 4).

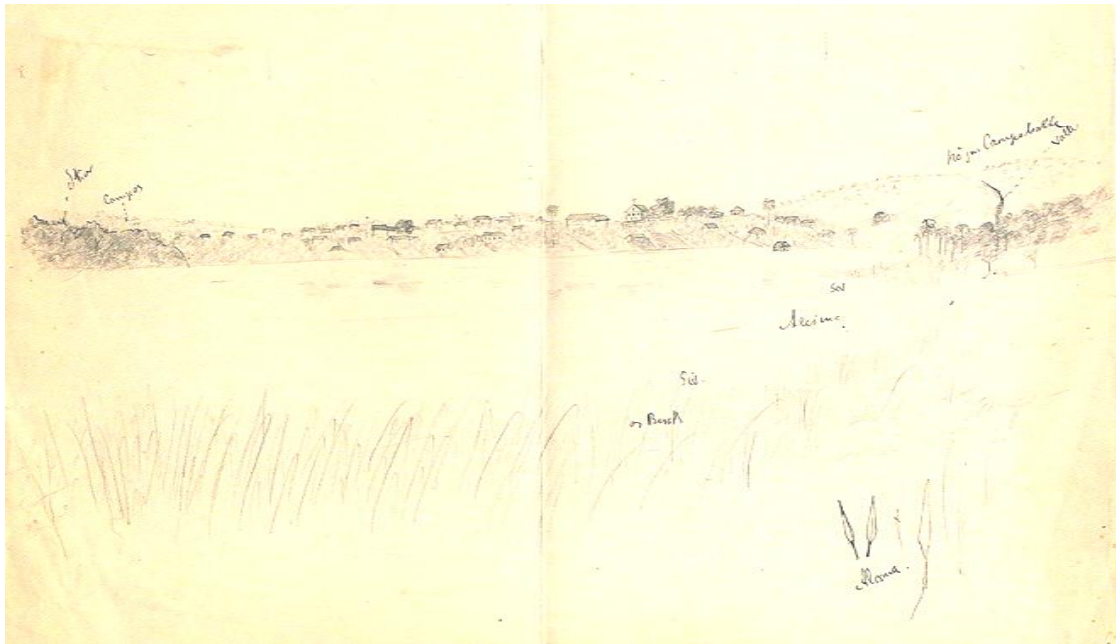


Figura 4. Esboço da lagoa Central, em Lagoa Santa, feito por Peter Brandt, com anotações posteriores de Warming (Gomes 2006).

De acordo com a distribuição dos domínios fitogeográficos de Oliveira-Filho et al. (2006), Lagoa Santa encontra-se na transição entre Mata Atlântica e Cerrado, dessa maneira, coexistem formações florestais, savânicas, campestres e fitofisionomias de origem humana, como áreas cultivadas, degradadas e em regeneração (Oliveira-Filho 2009).

Não há uma divisão clara das formações nativas, forma-se um gradiente que vai de campestre a florestal. Onde as condições químicas e físicas do solo são mais propícias, encontram-se Florestas Semidecíduas, há também as Florestas Decíduas sobre os afloramentos de calcário, que apresentam grande similaridade florística com a Caatinga, devido à presença das famílias Cactaceae e Bromeliaceae (Pedralli 1997).

As primeiras descrições da vegetação de Lagoa Santa foram feitas por Lund e especialmente por Warming. Esse a classifica como predominante em campos; possuindo também matas, que incluem as matas virgens, secundárias e aquelas sobre rochas calcáreas; os brejos e as áreas alagadas também estão presentes, além das pastagens e áreas cultivadas (Warming 1908).

De maneira geral, as formações nativas remanescentes já sofreram algum grau de alteração devido à exploração antiga de madeira, carvoejamento, pisoteamento pelo gado e expansão urbana. Nas Florestas Decíduas a mineração de calcário é a principal ameaça (Praxis 2012).

Um estudo para a implantação de corredores na APA Carste concluiu que apenas cerca de 10% da área é composta por fragmentos de Florestas Semidecíduas, áreas de Cerrado e Florestas Decíduas somam cerca de 39,8%, grande parte em estado avançado de alteração, enquanto 49% consistem em áreas urbanas e de uso agropecuário (Ambiente Brasil 2012).

A alteração da paisagem afeta em grande escala a fauna. Lund foi o primeiro a estudá-la. Por se localizar em uma transição, a região possui fauna característica tanto da Mata Atlântica, quanto do Cerrado (Herrmann et al. 1998). A Fundação Biodiversitas (2005) classificou a Província Cárstica de Lagoa Santa dentre as áreas prioritárias para a conservação no estado de Minas Gerais, por conter espécies animais raras, endêmicas e ameaçadas pela pressão antrópica.

## História de Lagoa Santa

O primeiro morador de Lagoa Santa, Felipe Rodrigues de Macedo, deixou para trás os problemas com os negócios nas minas de ouro em Sabará e se instalou às margens da lagoa Grande, após curar-se de suas feridas de pele nas águas da lagoa. A notícia da água santa se espalhou e muitos recorreram a ela, o que deu início ao

povoamento da área. A água chegou a ser comercializada e o lugar passou a se chamar Lagoa Santa (Holten & Sterll 2011; IBGE 2010).

Durante a estadia de Warming, ele descreveu a paisagem de Lagoa Santa como sendo quase sempre triste e pardacenta, fora da primavera, quando os campos ficavam mais verdes e inundados por flores. A região era praticamente desértica, pois as fazendas eram muito distantes umas das outras e escondidas entre os montes. A cidade em si podia ser percorrida em uma hora e meia (Warming 1908), não passava de um pequeno arraial, às margens da lagoa, construído ao redor da igreja (Holten & Sterll 2011).

O relevo acidentado de Lagoa Santa era entrecortado por vales naturais e também produzidos pelo homem para criar divisas ou devido às trilhas de mulas, que eram escavadas pelas chuvas e ficavam cada vez mais profundas. A oeste e noroeste, os morros eram mais altos e cobertos por uma mata, chamada Jangada. Na parte leste e sul, o relevo era plano, formando uma chapada com cerrado (Warming 1908).

Warming caracterizou as estações do ano como não muito distintas entre si. A estação seca começava em meados de abril e se estendia até setembro. Junho e julho eram os meses mais frios. Agosto era um dos meses mais bonitos, quando a temperatura começava a esquentar e as primeiras flores prenunciavam a primavera, porém as queimadas surgiam nos campos e eram vistas até outubro. Lund chegou a medir a temperatura média como sendo de 20,5°C (Warming 1908).

Os agricultores tinham o costume de plantar nos solos mais férteis das matas e por isso usavam o fogo para remover a vegetação, após extrair as madeiras de maior valor. O fogo também era usado para limpar os pastos, para a colheita da cana-de-açúcar e nas antigas áreas de cultivo, que com o tempo eram abandonadas, à medida que o solo se esgotava. Há relatos de que antes mesmo da colonização, os índios já usavam o fogo para facilitar a caça aos animais no cerrado. A prática da queimada era tão comum, que Warming conta que durante a estação seca o sol chegava a ser encoberto por uma nuvem negra de fumaça (Warming 1908) (Figura 5).



Figura 5. Planalto de Lagoa Santa, no horizonte vê-se a fumaça das queimadas, por Eugen Warming (Gomes, 2006).

As principais atividades na época em Lagoa Santa eram a cultura de subsistência, a exploração do salitre nas grutas e algumas usinas de açúcar (Warming 1908; Holten & Sterll 2011). Atualmente, a cidade concentra condomínios e casas de campo para fim de semana. Fazem-se também presentes a mineração, a indústria de cimento, atividade agropecuária e silvicultura. Na década de 70, foi construído o novo aeroporto internacional da Região Metropolitana de Belo Horizonte (RMBH), o aeroporto Tancredo Neves, no município vizinho de Confins, o que intensificou a exploração imobiliária na região (Herrmann et al. 1998).

A implantação e operação de importantes empreendimentos públicos como a Linha Verde, o Centro Administrativo e o futuro Rodoanel apresentam potenciais riscos para a conservação do patrimônio natural e histórico-cultural da região. Com o objetivo de minimizar esses impactos, foi idealizado pela Secretaria de Meio Ambiente e Desenvolvimento Sustentável, do estado, um Sistema de Áreas Protegidas (SAP), que prevê a criação de um conjunto de unidades de conservação (UC's) como condicionante das obras de expansão (Ambiente Brasil 2009). Já há sete UC's consolidadas, algumas foram decretadas e outras estão em fase de estudos.



## Frutos da viagem de Warming ao Brasil

Warming enviou o material botânico coletado em Lagoa Santa para cerca de 50 especialistas da época, mas muitos retornaram sem nenhuma identificação e outros responderam somente anos mais tarde (Gomes 2006; Warming 1908).

Ele publicou os resultados dos estudos na série “*Symbolae ad floram Brasiliae Centralis cognoscendam*” de 1867 a 1893. Muitas espécies foram incluídas, também, na “Flora Brasiliensis” (Warming 1908). Um artigo foi publicado, em 1892, em dinamarquês, com o nome “Lagoa Santa. *Et Bidrag til den biologiske Plantegeografi. Med en Fortegnelse over Lagoa Santas Hvirveldyr*” (Warming 1892). A tradução para o português foi publicada somente em 1908, na forma do livro: “Lagoa Santa: contribuição para a geographia phytobiologica” (Gomes 2006), em 1973, foi reeditado com a inclusão de um capítulo sobre o Cerrado (Warming & Ferri, 1973).

Nessa publicação, Warming fez considerações sobre os aspectos naturais de Lagoa Santa, sobre as condições de solo, clima, relevo, as formações vegetativas, os efeitos do fogo no Cerrado e hipóteses sobre a possível origem desse bioma. Traz, ainda, a lista das espécies da flora coletadas por ele e Lund, desde fungos e briófitas até os vegetais superiores, dando-lhe o título de “*Florula Lagoensis*”. Ao final, anexa uma lista dos vertebrados de Lagoa Santa (Warming 1908).

A lista produzida por Warming possuía 2.593 espécies, entre algas, musgos, pteridófitas e fanerógamas, essas últimas, compunham 2.488 espécies. As famílias mais ricas encontradas por ele foram Asteraceae, Fabaceae e Poaceae, representavam juntas quase um quarto da riqueza de espécies. Dentre as fanerógamas, cerca de 350 eram novas para a ciência na época, um número expressivo para uma área tão pequena, de apenas 170 km<sup>2</sup> (Warming 1908).

Com o pioneirismo do trabalho realizado, muitos espécimes coletados por Warming foram indicados como tipos nomenclaturais. Esses espécimes, assim como, a conservação das populações originais na natureza, são de extrema importância para a taxonomia (Martins et al. 2012).

F. C. Hoehne (1882-1959), um botânico brasileiro, chegou a visitar Lagoa Santa em busca das plantas coletadas por Warming, entre 1915 e 1916, enquanto trabalhava com Cândido Rondon (1865-1958). Por falta de recursos e condições de trabalho, o

projeto foi encerrado e o material botânico foi depositado nos herbários R e SP, porém nenhum relato sobre os resultados do trabalho foi encontrado (Molina & Norder 2014).

## Considerações finais

O resgate da história da botânica no Brasil, com o retorno aos trabalhos de pesquisadores que produziram estudos detalhados sobre a flora do país, é necessário para se divulgar o rico conhecimento existente sobre a biodiversidade brasileira. Retomar esses estudos permite que os pesquisadores atuais agreguem mais conhecimento e torna possíveis os estudos comparativos. Esse tipo de informação pode gerar propostas úteis para a conservação da biodiversidade. Da mesma forma, podem ajudar a prevenir e mitigar impactos a ambientes vulneráveis com elevada importância biológica.

Informações que auxiliem a conservação de um ambiente cárstico como o de Lagoa Santa são de extrema importância, sobretudo, devido à fragilidade, grande biodiversidade e complexidade do mesmo, submetido a constantes ameaças pelo crescimento urbano, econômico e industrial. No sistema cárstico, os impactos mais significativos advêm do desmatamento e da atividade agrícola; em Lagoa Santa, ainda há a mineração de calcário como agravante. A cobertura vegetal é essencial para a proteção do solo, manutenção da temperatura, do volume e da velocidade da água percolada no carste (Gillieson 1996). Com isso, faz-se muito importante garantir a qualidade da vegetação, em termos de estrutura e diversidade.

A flora do Brasil é reconhecida como a mais rica do mundo (Forzza et al. 2012), no entanto, o índice de coletas e o conhecimento botânico são pequenos frente a essa diversidade, o que pode ser verificado pela quantidade de espécies novas que ainda são descritas, uma a cada dois dias, além disso, o número de amostras existentes nos herbários é insuficiente (Sobral & Stehmann 2009). O mesmo acontece com os registros regionais ou locais, como no caso de Lagoa Santa. Apesar da importância do trabalho de Warming (1908), as informações do imenso acervo coletado por ele em Lagoa Santa continuam inexploradas.

Os detalhes da ocorrência das espécies só podem ser recuperados junto às etiquetas das exsicatas e anotações de campo, informações essas que não se encontram disponíveis nos herbários virtuais da flora brasileira. Muitos locais visitados por ele foram destruídos, como o caso da Lapa Vermelha (Deus et al. 2013), e populações

locais foram provavelmente extintas. Resgatar essas informações torna-se prioritário, para que possam subsidiar planos de manejo e ações de conservação da flora local, extremamente ameaçada pela mudança da paisagem decorrente da implantação do projeto vetor norte da região metropolitana de Belo Horizonte.

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## CAPÍTULO II

### Warming's *Florula Lagoensis* revisited: Old lessons to new challenges

**ABSTRACT** Eugen Warming started his career in Lagoa Santa, Minas Gerais state, Brazil, between 1863 and 1866. He collected a large amount of botanical specimens, during this period. Returning to Europe, he published the *Florula Lagoensis*, the first floristic list of the Brazilian savanna (Cerrado). In this text, we revisit the *Florula Lagoensis*, updating nomenclatural and taxonomically all flowering plants, and analyze the contribution of new collections. We also recovered the type specimens collected by Warming in Lagoa Santa. Only 539 (23,7%) from 2,270 of Warming's samples have been collected by botanists after almost 150 years and new additions to the list were only 228 (9,1%). Nomenclatural types collected by Warming were 373 (16,4%). This small area, of 170 Km<sup>2</sup>, revealed considerable superior richness when compared to other sites of Minas Gerais with bigger areas. We stress the completeness of his work and highlight the importance of following Warming's footsteps and lessons: 1) to collect intensively, 2) to observe details in the field, 3) to work in a collaborative way. For these reasons, it's fair to recognize Eugene Warming as the father of floristic studies in Brazil.

**Keywords** Lagoa Santa, floristic inventory, type material.

**RESUMO** Eugen Warming começou sua carreira em Lagoa Santa, no estado de Minas Gerais, Brasil, entre 1863 e 1866. Durante esse período, ele coletou uma grande quantidade de espécimes botânicos. De volta à Europa, publicou a primeira lista florística do Cerrado, a *Florula Lagoensis*. No presente trabalho, revisitamos essa flora, atualizando taxonomicamente e nomenclaturalmente todas as Angiospermas. Também apresentamos uma análise histórica, ao reunir os registros de coleta dos herbários dos últimos 150 anos e apontamos os espécimes tipos coletados por Warming em Lagoa Santa. Somente 539 (23,7%) das 2,270 espécies coletadas por ele foram coletadas novamente pelos botânicos, nos últimos anos. Novas adições à lista representaram apenas 228 espécies (9,1%). Os espécimes tipos nomenclaturais foram 373 (16,4%). Essa pequena área de 170 Km<sup>2</sup> revelou uma grande riqueza de espécies quando comparada com outras regiões inventariadas em Minas Gerais, mesmo com áreas maiores. É importante destacar a completude do trabalho realizado por Warming e a relevância das lições deixadas por ele: 1) coletar intensivamente, 2) observar os detalhes no campo, 3) trabalhar em colaboração. Por todos esses motivos denominamos Warming, como o pai dos estudos florísticos no Brasil.

**Palavras-chave** Lagoa Santa, inventário florístico, material tipo.

### Introduction

Few scientists know that Eugen Warming (1841-1924), the recognized father of Ecology, started his work in the tropics, between 1863 and 1866 (Goodland 1975; Klein 2002). Warming was secretary of Peter Lund (1801-1880), a Danish paleontologist, who

lived in Lagoa Santa, a small village located in the state of Minas Gerais, southeastern Brazil (Goodland 1975; Gomes 2006).

Warming took to Europe a huge amount of 3,000 exsiccates and other 700 donated by Lund (Gomes 2006). The botanical material was spread to the main specialists of that time and the results of this work were published in the series “*Symbolae ad floram Brasiliae Centralis cognoscendam*”, from 1867 to 1893. Many species were included in the “*Flora Brasiliensis*” started by von Martius (Goodland 1975; Warming 1908). Besides, Warming published, in 1892, “*Lagoa Santa. Et Bidrag til den biologiske Plantegeografi. Med en Fortegnelse over Lagoa Santas Hvirveldyr*”, translated only in 1908 to Portuguese, as a book, with the title “*Lagoa Santa: contribuição para a geographia phytobiologica*” (Warming 1908).

The book is a quite complete regional ecological monograph (Goodland 1975) and also the first flora of the Brazilian savanna, the Cerrado (Mendonça et al. 2008). The extensive flora list, *Florula Lagoensis*, covered since fungi and mosses to superior plants, totalling 2.593 species, 2.488 offlowering plants. Among these, Asteraceae, Fabaceae and Poaceae were the richest families, representing almost a quarter of all species (Warming 1908). These species listed by Warming, only in this small place, of about 170 Km<sup>2</sup>, correspond to 6% of the entire country's plant diversity, estimated in 40,989 species by Forzza et al. (2012).

Lagoa Santa is situated in the southeastern limits of the Brazilian Cerrado, in its contact with the Atlantic forest (Oliveira-Filho et al. 2006). These two biomes are very important hotspots (Mittermeier et al. 2004; Myers et al. 2000), Cerrado has 12,669 species of plants and keeps a great percentage of endemism, 33,3% (Forzza et al. 2012). Unfortunately, this biome is under intensive deforestation that ranges from 22,000 to 30,000 km<sup>2</sup> per year, higher than in the Amazon forest. Of the 2 million km<sup>2</sup> of the Brazilian Cerrado, more than a half has already been converted into pasture and crop lands (Machado et al. 2004). The Atlantic forest, in turn, maintains 15,782 plants (Stehmann 2009). Nowadays, there is less than 12% of its original cover (Ribeiro et al. 2009).

As Warming work was pioneer in Brazil and in South America, many specimens were described from the samples collected by him, resulting in nomenclatural types. Few workers have tried to recollect these type localities. F. C. Hoehne, a Brazilian researcher, did it between 1915 and 1916, but never published this work results (Molina & Norder 2014).

In this text, we revisit the *Florula Lagoensis*, updating nomenclatural and taxonomically all flowering plants listed by Warming, and analyze the contribution of new collections past more than 150 years.

## Materials and Methods

### Study area

Lagoa Santa is placed in Southeastern Brazil, about 30 km far from the capital of Minas Gerais, Belo Horizonte (Berbert-Born 2002), at a latitude of 19°S 37' and longitude of 43°W 53' (speciesLink 2015) (Figure 1). It is inserted in a karstic region, with paleontological and archeological samples very important to the reconstruction of the South American prehistory (Berbert-Born 2002). The first to explore its countless caves was Peter Lund, he found many exemplars of the Brazilian megafauna and human fossils. He was even cited by Charles Darwin (1859) in “The origin of the species” and contributed to the development and acceptance of the evolutionary theory (Holten & Sterll 2011).

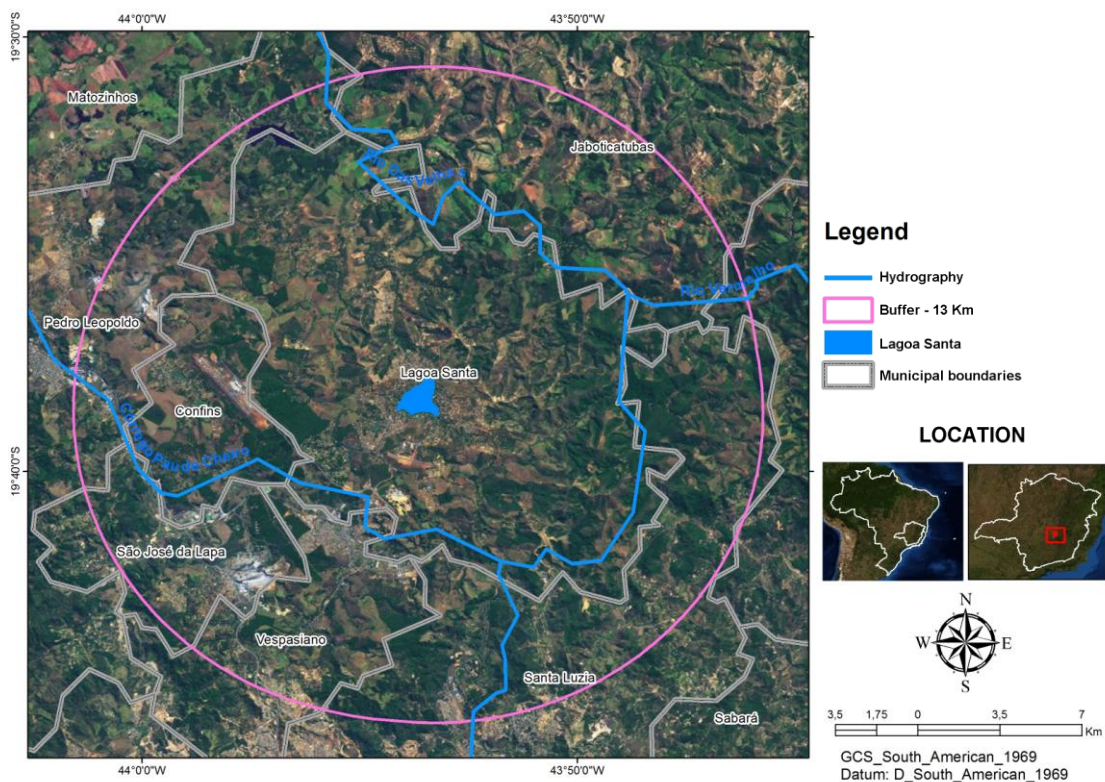


Figure 1. Map showing a satellite image of the studied area (buffer in pink), and the location of Lagoa Santa and the state of Minas Gerais in Brazil.



This place has been more and more exposed to biodiversity and habitat loss during the years. In the last century and still nowadays, the city has been suffering high urban sprawl. Activities like industry, mining, agriculture and livestock have greatly developed in the region (Herrmann et al. 1998; Pereira & Caldeira 2011). Over the last few decades, many infrastructure buildings have been settled in the vicinity, such as the capital's international airport, the state's administrative center and new road networks (Porto & Franca 2011; Kasarda 2013).

Due to its location in a transition zone, between Cerrado and Atlantic forest (Oliveira-Filho 2009), Lagoa Santa presents a mix of vegetation formations, including grasslands, savannas, deciduous and semideciduous forests, wetlands and also cultivated areas (Ambiente Brasil 2012; Warming 1908).

In addition to the paleontological and archeological importance, this region is classified as a priority area for conservation in Minas Gerais, as it keeps threatened, endemic and rare animal species, under high human degradation pressure (Drummond et al. 2005). In view of all this, a system of conservation units (UC's) is gradually being implemented (Decree 44.500/07). Some important places where Warming collected are already in UC's of integral protection, as the Parque Estadual do Sumidouro (IEF-MG), but others, as Lapa do Baú and Lapa Vermelha (Warming 1908), are in UC's of sustainable use, in private areas dealing with the threats of economic activities (Deus et al. 2013, Herrman et al. 1998).

## **Data analysis**

Due to difficulties of access to Warming's collection, most of it in the Natural History Museum of Denmark, with only a type database online, we decide to use the list of phanerogams in Warming (1908) as data source. The names of native identified species were transcribed and updated based on APG III (2009), using as main reference the List of Species of the Brazilian Flora (Forzza et al. 2012). When necessary, other online databases were consulted, taxa monographs and specialists.

To this list were added records from herbaria data comprising the area visited by Warming, incorporated in the INCT-Specieslink (2014) and exsiccates from the PAMG herbarium. All synonyms were also updated to the current correct name, in the same way as mentioned above. Duplicated records, with the same collection number of the same collector, were excluded, leaving only one record.

We accounted taxa richness, sampling frequency of the species and the proportion of life forms, when this last information was missing in the records, it was considered the classification given at the Brazilian Flora (Forzza et al. 2012). Besides, we recovered the type specimens collected by Warming in Lagoa Santa, using JSTOR-Global Plants, Tropicos and Natural History Museum of Denmark type databases. Threatened species were classified according to MMA/Brazil (2014).

## Results

From Warming (1908), were compiled 2,651 taxa, including 465 infra-specific names. The nomenclatural updated list sums to 2,270 species (Appendix A). Herbarium specimen records were 1,580; from this, 221 (14,0%) were indeterminate. The more representative collection was BHC B herbarium, with 495 (31,3%) specimens. The records corresponded to 764 species. Two species have been more systematically sampled all over the years; they were *Piptocarpha rotundifolia* (Less.) Baker (Asteraceae) and *Zeyheria montana* Mart. (Bignoniaceae) with 12 records each. The most frequently collected botanical families were Fabaceae (210) and Asteraceae (158). At the genus level, *Miconia* (43) was the most collected.

Joining Warming's revised list and the other records totaled 2,498 species and more 221 not identified. The richest families were Asteraceae (286), Fabaceae (237), Poaceae (173) and Orchidaceae (120) (Figure 2). This richness was very similar to Warming's revised list alone - Asteraceae (257), Fabaceae (209), Poaceae (156) and Orchidaceae (118) (Figure 3). Although, herbaria records showed a small difference in the proportion of family richness - Fabaceae (96), Asteraceae (90) and Poaceae (47), Orchidaceae appeared only in the 16th position, with very few species (13), (Figure 4). *Paspalum* L. (Poaceae) was the richest genus in all lists.

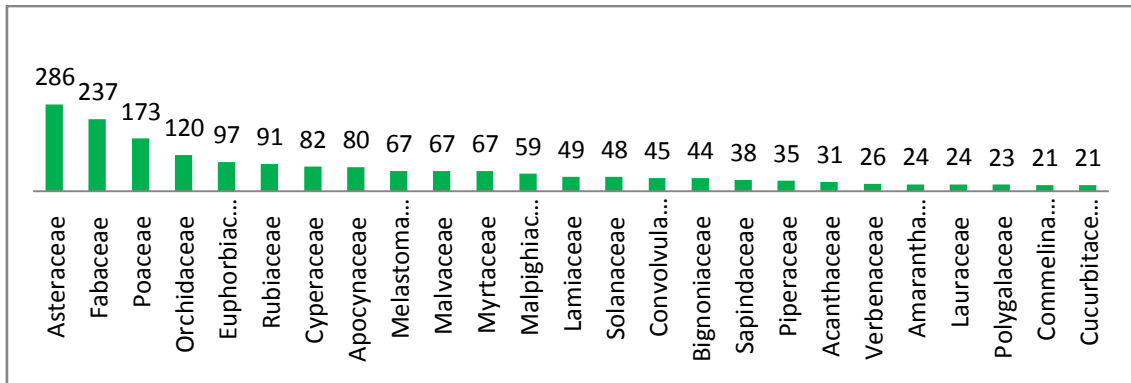


Figure 2. Number of species of the richest flowering plants families recorded to Lagoa Santa, Minas Gerais, Brazil, including Warming's Florula Lagoensis (1908) revised list and herbaria data.

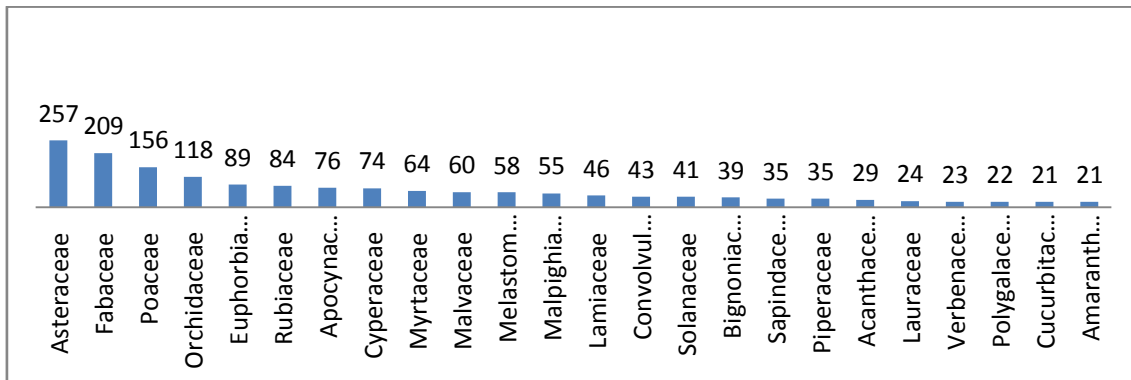


Figure 3. Number of species of the richest flowering plants families recorded to Lagoa Santa, Minas Gerais, Brazil, including only Warming's Florula Lagoensis (1908) revised list.

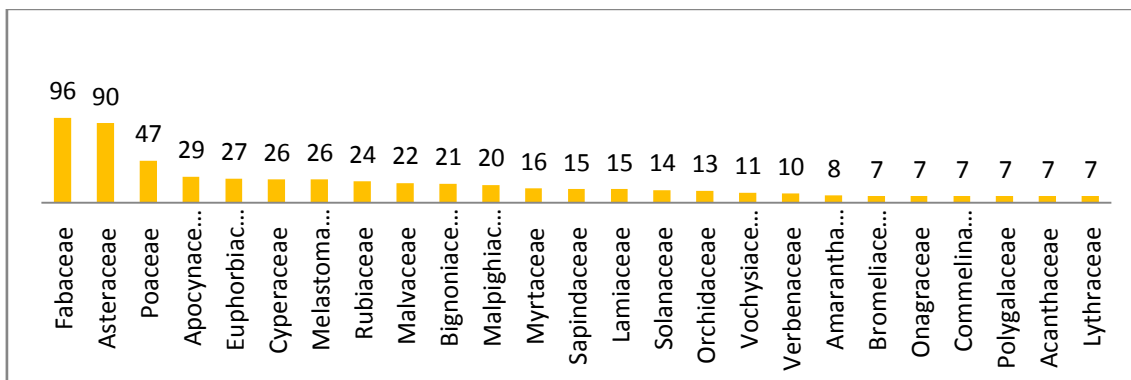


Figure 4. Number of species of the richest flowering plants families recorded to Lagoa Santa, Minas Gerais, Brazil, from the revised herbaria data.

Shrubs were the greater part of the life forms in the vegetation (868/35%), followed by herbs (759/30%) and only then came up the trees (503/20%) (Figura 5).

Surprisingly, the large majority of species (1731/76,2%) have not been collected again after Warming (Appendix A). Species not collected by him corresponded to 228 (9,1%) (Appendix B).

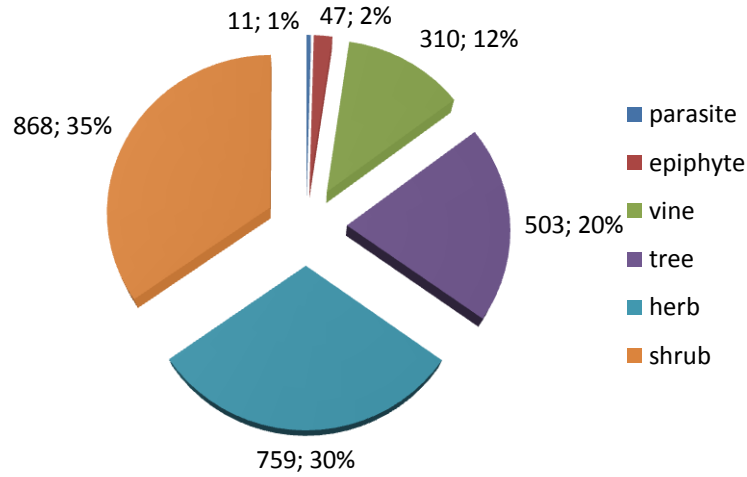


Figure 5. Life form's proportion to the flowering plants recorded to Lagoa Santa, Minas Gerais, Brazil.

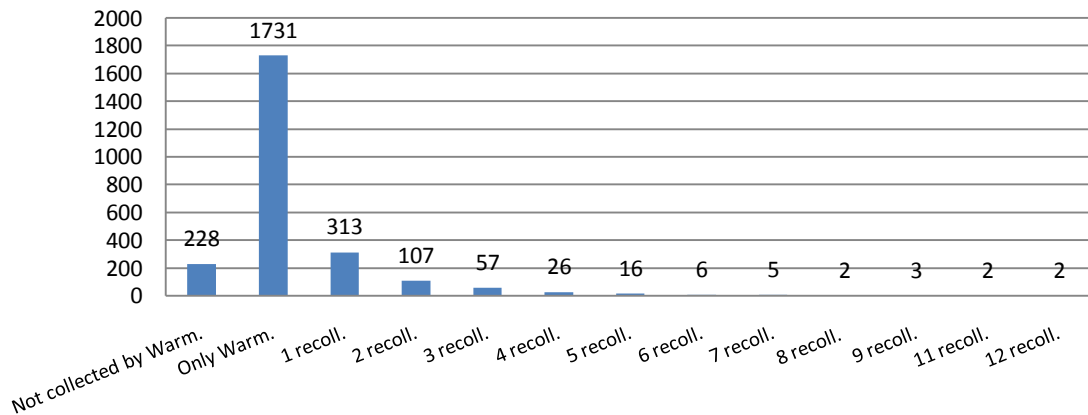


Figure 6. Number of species of flowering plants recorded to Lagoa Santa, Minas Gerais, Brazil, including Warming's Florula Lagoensis (1908) revised list and herbaria data, separated per frequency of collection. The first column shows the number of species not collected by Warming; the second, shows the number of species just collected by Warming; the third, species collected once after Warming; the fourth, collected twice and so on.

From all species, 39 were in the newest Brazilian red list (MMA, 2014). Two were classified as critically endangered, *Chusquea tenuiglumis* Döll and *Gymnopogon doellii* Boechat & Valls (Poaceae), both have not been collected again in Lagoa Santa

after Warming; 18 species were classified as endangered and 19 as vulnerable (Appendix C).

Nomenclatural types collected by Warming that match to the synonyms in Warming (1908) were 373 (16,4%) (Appendix A). Furthermore, the type database obtained from C herbarium listed 690 type records collected by Warming in Lagoa Santa and 328 taxa.

## Discussion

The revisited *Florula Lagoensis* confirmed the great richness reported by Warming (1908) to Lagoa Santa. The occurrence of more than 2,000 species of flowering plants places this area as one of the richest inventoried sites of Minas Gerais. This is evident when comparing it with areas belonging to the Espinhaço range, as Serra do Cipó with 1,590 vascular plants (Giulietti et al. 1987) or Grão-Mogol with 1,032 Angiosperms (Pirani et al. 2003). This unexpected richness can be explained by the vast heterogeneity of environments in Lagoa Santa, from semideciduous forests, deciduous forests associated with the carbonate rocks, Cerrado to wetlands (Ambiente Brasil 2012; Warming 1908)

The richest families listed to Lagoa Santa were the same reported to recent Cerrado floristic inventories (Mendonça et al. 2008). The revised lists were compatible with Warming (1908) and between themselves, apart from Orchidaceae richness in herbaria records, that was much lower than in Warming's list, which evidences a process of impoverishment of this family in the region.

Only about 23,7% of what Warming sampled in three years have been collected by botanists in Lagoa Santa after almost 150 years. This indicates the low sampling sufficiency developed after Warming's visit. The barely nine per cent adding of new species to the list confirms the huge and comprehensive work he developed, allowing us to call him a "big hitting collector", borrowing an expression created by Bebbler et al. (2012). As can be seen, Warming's work is unique; no other collector developed this expressive sample effort in this region.

The new additions to the list corresponded at most to more generalist species, what suggest a natural process of succession, reasonable along 150 years and even due to human disturbances. It is possible to point, also, some mismatches in the

identification, what would be verified only with the analysis of the exsiccates. Few exceptions were not generalist cases, as *Vochysia pygmaea* Bong. (Vochysiaceae), an endangered species, considered nowadays limited to Serra do Cipó, Minas Gerais (Martinelli & Morais, 2013), a neighbor site to Lagoa Santa and collected in this place by Segadas-Vianna, in 1953. Other example would be *Brasiliopuntia brasiliensis* (Willd.) A. Berger (Cactaceae), a very frequent species in the local landscape, associated with rock outcrops, but missing in Warming's list. It is difficult to figure that Warming did not collect it. It is more plausible thinking that this material was lost. In the prologue of Warming (1908), he comments that some specimens of succulents as Cactaceae, preserved in wine spirit, arrived in bad state in Copenhagen and were lost.

It is important to understand why sampling in Lagoa Santa showed to be so poor in recent years. First of all, it is not possible to compare Warming's sampling effort to the developed by researchers nowadays, as remembered by Bebbler et al. (2012), today "funding agencies provide grants only for a limited period", forcing field work to be developed in a short period of time, limiting exhaustive sampling and historical series analyses. Given this, collectors nowadays hardly can be as efficient as they were in the XIX century.

Other significant factor is that Lagoa Santa has lost a great portion of its natural habitats (Ambiente Brasil 2012). So, probably, many species have already been extinct locally. Although, this should be more carefully investigated and quantified in the field. A relatively recent research detected that in this region every natural fragment has already been disturbed at some level; 49% of the area is covered by city or farms, 39,8% are Cerrado and deciduous forests, only 10% corresponds to semideciduous forests. (Ambiente Brasil 2012). The proportion of life forms demonstrated here evidences this, with a predominance of a savanna like formation, with the dominance of shrubs and herbs. Only secondarily, it figures a forest environment with trees and vines.

Rather distressing is the quantity of threats to the different environments. The Cerrado is susceptible to fire every year and is gradually being transformed into crop lands or urban areas. This loss of habitat may explain why some Poaceae critically endangered have not been collected again in this place. The semideciduous forests also suffer with fire and selective extraction of species and wood. The deciduous forests are threatened by mining activity and most wetlands have already disappeared due to drought, excessive exploitation or are extreme polluted. All this is putting in risk of

fading this huge biodiversity (Ambiente Brasil 2012; Deus et al. 2013; Fleischer 2006; Herrman et al. 1998).

Furthermore, most fragments in Lagoa Santa are inserted in private areas, what difficult collectors' access. Other thing must be highlighted, the tiny number of botanists, particularly, taxonomists working in Brazil. This number is insufficient to cover its geographical and biodiversity extension (Sobral & Stehmann 2009).

An additional issue is that in a megadiverse country (Giulietti et al. 2005), with a huge gap of knowledge about its biodiversity (Sobral & Stehmann 2009), research focus tends to be aimed upon poorly studied areas. Those in which some level of knowledge has already been produced are abandoned. Monitoring and historical series analyses are rare; as a consequence, brilliant works like Warming's are likely to be forgotten; therefore, all biodiversity aspects, even after registered, tend to be lost anyway. A hazard consequence of this is the loss of the type populations. As they were described in meaningful numbers in Lagoa Santa, it is imperative to map and monitor them, given their importance totaxonomic researches (Ferrer-Gallego & Laguna 2015).

The smaller number of species in Warming's updated list (2,270) compared to his own sum (2,488) (Warming, 1908), derives mainly from changes of status of the species that are now considered synonyms. Indeterminate and cultivate species were not included in our list and a few species in Warming's accountability were lacking in the *Florula Lagoensis*. It is important to feature that the total number of species can suffer small changes, after taxonomic revision of the exsiccates kept in many herbaria, but especially in herbarium C, in Copenhagen. Also because of this, we stress the importance of access to herbaria data through online digitalized databases, as a manner to improve sampling in a more efficient way, diminishing costs and time of researches, achieving straightforwardly better quality of data. For example, it makes feasible the use of exsiccate annotations, as the locality of collection, turning easier to locate the populations in the field, something very important to monitoring and conservation activities.

Brazil has big challenges to achieve the Global Strategy for Plant Conservation 2011-2020 targets (CBD 2010). The first one is a complete national inventory. According to V. C. Souza (pers. comm.), Brazil's flora still need more than five million records to reach one sample/km<sup>2</sup>, the ideal value recommended by specialists. This surpasses the last two hundred years' effort. According to Stehmann & Sobral (2009) only for Minas Gerais state it would be necessary more than one million samples.

Warming's work is an example that wide-ranging inventories are possible in Brazil. Other examples are São Paulo's flora project (Wanderley 2011) and Ducke reserve project (Hopkins 2005), cases of long term researches, with huge collection effort, concerning many specialists. To improve collections and at the same pace advance the knowledge about distribution and conservation status of species, it will be necessary more financial investments in long-term researches and expressive development of human resources.

*Florula Lagoensis* can be considered one of the most important floristic studies made in Brazil during the XIX century. We stand out the completeness of the work, considering the number of species registered to this small area, and how Warming dealt with the identification process, sending samples to specialists of different families out of Copenhagen. Currently, we use the same methods and the accuracy of the determinations depends on the collaborative work. Finally, we would like to highlight the importance of following Warming's footsteps and lessons, collecting intensively, observing details in the field and working in a collaborative way. It would be fair, therefore, to call him "the father of floristic studies in Brazil".

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## CAPÍTULO III

### *Solanum lagoense* (Solanaceae, Geminata clade) a new species from Lagoa Santa, Minas Gerais, Brazil

**ABSTRACT** A new species of *Solanum* (Solanaceae) from the Geminata clade is described to the Brazilian flora, *S. lagoense*. The species is only known from Lapinha, a rocky massif located in the Lagoa Santa karst, Minas Gerais. The flora of this area, including Solanaceae, was studied in detail in the second half of the XIX century by Eugen Warming. The species is different from the others Geminata, by showing marked geminated leaves with different sizes, apical stems with simple multicellular trichomes, short extra-axillar inflorescences with few flowers (1-3), stellate cucullate and reflexed corolla. Here we present a description, taxonomic comments and assessment for conservation status that points out the species as critically endangered.

**Keywords** Eugen Warming, endemism, assessment of extinction risk.

**RESUMO** Uma nova espécie de *Solanum* (Solanaceae) pertencente ao clado Geminata é descrita para a Flora do Brasil, *S. lagoense*. A espécie habita o sub-bosque da Floresta Estacional associada a afloramentos calcários junto à gruta da Lapinha, em Lagoa Santa, Minas Gerais, uma área inventariada em detalhe por Eugen Warming, no século XIX. A espécie é distinta das demais Geminata, por apresentar folhas geminadas de tamanhos desiguais, ramos apicais com tricomas simples, multicelulares, inflorescência extra-axilar, curta, com poucas flores (1-3), corola estrelada, reflexa e cuculada. São apresentadas a descrição da espécie, comentários taxonômicos, bem como, a avaliação que sugere o status de Criticamente Ameaçada à espécie.

**Palavras-chave** Avaliação do risco de extinção, endemismo, Eugen Warming.

#### Introduction

*Solanum* L. (Solanaceae) is one of the ten biggest genera of flowering plants, with 1,250-1,700 species spread in almost all continents, but extremely diversified in the Neotropics (Frodin 2004; Nee 1999). Among the Solanaceae, *Solanum* is morphologically easy to recognize, showing the anthers opening by apical pores, and the calyx usually evenly lobed, traits not shared in set with any genera into the family (Hunziker 2001). Important crops as potato (*S. tuberosum* L.), tomato (*S. lycopersicum* L.) and egg-plant (*S. melongena* L.) are largely cultivated around the world and contribute to the economy of many countries (Hawkes 1999).

To the Brazilian flora, there is an estimate of 272 species of *Solanum*, of which 131 are endemics (Stehmann et al. 2015). The higher richness and rate of endemism is reported to the Atlantic rain forest, recognized as a hotspot (Mittermeier et al. 2004). Originally, an almost continuous forest formation, but variable in width, it covered a

strip of land along the Brazilian coast. Nowadays, this huge forest remains with less than 12% of the original cover, represented by remnants and fragments biologically impoverished (Ribeiro et al. 2009). Despite this, several novelties in *Solanum* have been described to Atlantic forest in recent years (Giacomin et al. 2013; Giacomin & Stehmann 2014; Knapp et al. 2015), showing that the Brazilian flora continues incompletely inventoried (Sobral & Stehmann 2009).

With more than 11,000 species of angiosperms, Minas Gerais, has been recognized as the richest state (Forzza et al. 2010; Forzza et al. 2012). This richness is always associated with the diversity of environments, Atlantic rain forest, Cerrado (Savanna-like vegetation), and Caatinga. The transition areas, mainly that associated with the Espinhaço range, have received special attention since the XIX century, when foreign naturalists – as August-Saint-Hilaire, Carl F. Martius, George Langsdorff, among others – travelled in the inner part of the country, describing its flora. However, few of them, as the Swedish Anders F. Regnell and the Danish E. Warming, were based on the state for long time exploring the same area. The first worked in Caldas, in the southern Minas Gerais (Concha-Quezada 2011; Dahlgren 1962), while Warming, worked in Lagoa Santa (Warming 1908), near the southern Espinhaço range.

Lagoa Santa is inserted in a karstic region, with important paleontological and archeological samples (Berbert-Born 2002). The first to explore its countless caves was the Danish paleontologist, Peter Wilhelm Lund (1801-1880). He found many exemplars of the Brazilian megafauna and human fossils. Johannes Eugenius Bülow Warming (1841-1924) was Lund's secretary between 1863 and 1866 in Lagoa Santa. He took to Europe a huge amount of 3,000 exsiccates and more 700 donated by Lund, most kept in the herbarium of the Natural History Museum, in Copenhagen (Gomes 2006). Many of these specimens are nomenclatural types and were cited in the “*Flora Brasiliensis*” started by von Martius. Warming spread the botanical material to many specialists in Europe (Warming 1908). The Solanaceae were identified by W. P. Hiern, who described seven new species of *Solanum* and two varieties (Hiern 1876).

In order to follow Warming's footsteps, we searched for species with few records and nomenclatural type populations in the same places where Warming collected in Lagoa Santa. During the development of this project, samples of a species of *Solanum* from the Geminata clade were collected. This group is well studied and recently was revised to the Brazilian flora (Knapp et al. 2015). We compared the collected species' morphology with the others described to the clade, as well as, with

Warming's collections, kept in the herbarium C and others herbaria of the world, recognizing it as a new species, that we describe here.

## Materials and methods

The following herbaria were examined: BHCB, BM, BR, C, CEPEC, G, HUEFS, K, MBM, PAMG, OUPR, RB, SP, UEC and VIC. Herbarium acronyms are from Index Herbariorum (<http://sciweb.nybg.org/science2/IndexHerbariorum.asp>). As there are only few population known from the same place, the Extent of Occurrence (EOO) and Area of Occupancy (AOO) were not calculated. We use IUCN (2014) criteria to assess the conservation status of the species.

We collected, in Lagoa Santa, from December of 2014 to March of 2015, spending more time in the locations nearby the rocky massifs, as Lapinha, Sumidouro, and Morro do Baú, areas that keep singular environmental conditions, due to more shade, humidity and temperature stability, providing different species composition from the surrounding matrix (Cerrado).

## Results and Discussion

*Solanum lagoense* Stehmann, sp. nov.

Figures 1 and 2.

**Diagnosis.** *Solanum lagoense* is similar to *Solanum restingae* S. Knapp and *S. amorimii* S. Knapp & Giacomini but differing from both by its pilose stems. *S. lagoense* has not winged stems (vs. distinct winged stem in *S. restingae*) and not auriculate leaves at the base (vs. auriculate leaves in *S. amorimii*).

**Type.** BRAZIL. Minas Gerais: Município Lagoa Santa, Gruta da Lapinha, Salão dos Bigodes, 19°33'57"S, 43°57'52"W, 716 m, 16 Jan 2015, N. C. Moreira and R. Gurgel 158 (holotype: BHCB [BHC021206]; isotype: BM).

**Description.** Shrub to 1.5 m, rhizomatous, with clonal reproduction; young stems terete, but slightly striated, glabrous or pilose, with single, uniseriate, and recurved trichomes, each with 8-15 cells; new growth always pilose, and obviously striated; bark of older stems brown, slightly winged from the leaf bases. Sympodial

units difoliate, geminate; leaves of a pair differing in size but not usually in shape. Leaves simple, the major leaves 5.6-12.4 cm long, 2.2-4.7 cm wide, elliptic, membranous, glabrous on both surfaces, the abaxial surface olivaceous to moss green, the adaxial surface dark green; primary veins 7-9 pairs, drying somewhat darker than the lamina and slightly sunk on the adaxial surface, minutely prominent and lighter on abaxial surface; base attenuate, sometimes slight asymmetric; margins entire, slightly revolute; apex acute, the tip somewhat blunt; petiole 0.6-1.0 cm long, glabrous; minor leaves 1.6-2.9 cm long, 0.9-1.7 cm wide, differing from the majors only in size and shorter petiole. Inflorescences 0.2-2 cm long, extra-axillar, arising below the nodes, unbranched, with 1-3 flowers, glabrous; peduncle 3 mm, persistent in fruiting; pedicels 1.4-1.5 cm long, slender, ca. 0.3 mm in diameter, abruptly swollen at the apex, spreading or pendant at anthesis, glabrous, not articulated at the base; pedicel scars ca. 5-2.0 mm apart. Buds globose, the corolla exerted from the calyx tube before anthesis. Flowers 5-merous, perfect. Calyx with the tube ca. 1.0 mm long, broadly conical, the lobes 1.0-1.2 mm long, ca. 1.3 mm wide, triangular or obtuse, strongly reflexed at anthesis, glabrous adaxially, minutely papillate on the abaxial face, more clustered at the tip. Corolla about 1.0 cm in diameter, white, stellate, lobed 2/3 of the way to the base, the lobes 1-nerved, ca. 4-5.2 mm long, ca. 2.4-3.6 mm wide, ovate, spread at anthesis, glabrous with the tips cucullate, minutely papillate on the margins and the apex. Stamens 3.5 mm long; filament tube ca. 0.7 mm long, the free portion of the filaments ca. 0.3 mm long, glabrous; anthers 2.4-2.5 mm long, slightly obovate, 0.7 mm at the base, 0.9 at the apex, yellow, introrsely poricidal at the tips, the pores large, lengthening to slits with age. Ovary glabrous; style 5-6 mm long, glabrous; stigma not expanded, blunt, the surface minutely papillate. Fruit a subglobose berry, slightly depressed, 1.2-1.3 cm long, 1.3-1.5 cm wide, green, darker toward the pedicel, the pericarp not markedly shiny, thick, mesocarp not juicy; fruiting pedicels 1.7-2.2 cm long, less than 1 mm in diameter at the base, ca. 2 mm at the apex, gradually expanded to the apex, pendant and hiding under the foliage; calyx lobes somewhat hyaline, not markedly expanding in fruit, but clearly recurved. Seeds 15-30, ellipsoid, irregular ellipsoid, sometimes subreniform, 3.2-4.0 mm long, 2.8-3.1 mm wide.

**Distribution.** Known only from Gruta da Lapinha, Lagoa Santa, Minas Gerais, in Southeastern Brazil.

**Ecology.** *Solanum lagoense* grows on well-drained soils, in the understory of the seasonal forest that cover the entrance of caves as well as the canyons and blind valleys

associated with the carbonatic rocky massifs. This specific habitat has a very stable condition of temperature and humidity along the year, comparing with the savanna-like vegetation (Cerrado) or Semideciduous Seasonal Forest (Floresta Estacional Semidecidual), the typical vegetation matrix in the region, or even the Deciduous Forest growing at the top of the rocky massifs. The species shows vegetative reproduction, with subterraneous system connecting the individuals of the population (Figure 1B). There is no information about pollination, and the green fruits, hanging and hiding under the foliage, suggest dispersal by bats, that inhabit the caves.

**Phenology.** Flowering specimens were collected in January, occasionally in March, while fruiting in January, February, and March. There is no information to the other seasons.

**Etymology.** The name refers to Lagoa Santa, a Brazilian locality where two important Danish researchers, Peter Lund and Eugen Warming, worked in the mid XIX century. In this place, Warming started its botanical career, studying the Cerrado flora and its ecological relationships. Nowadays he is recognized as the father of Ecology.

**Preliminary conservation status (IUCN 2014).** Critically Endangered (CR) B1, 2 a, b (ii, iii, iv); EOO 26 km<sup>2</sup> (CR); AOO 16 km<sup>2</sup> (EN). This species is known from an unique locality, the Gruta da Lapinha, included into the Parque Estadual do Sumidouro, a protected area that encompass 52 caves, and is visited by tourists. As the population grows near the base of the limestone walls, where there are many climbing routes in constant use, there is a strong pressure in its microhabitat. As the limestone outcrops have being mined for decades, the reduction of the habitat of the species must also have been drastic. Besides the habitat loss, the landscape is changing very fast with the growth of the municipality of Lagoa Santa, influenced by the Vector North project that fostered the expansion of the metropolitan region of Belo Horizonte, the capital of the state (Auler and Piló 2015). With this scenario, we suggest assessing the species as Critically Endangered. Efforts to locate new populations into the Conservation Unit, as well as, in similar places out of it are needed.

**Notes.** *Solanum lagoense* is a small shrub, with entirely glabrous leaves, producing short inflorescences, few small flowers and green fruits, hiding bellow the foliage. At the first glance, it resembles species belonging to *Solanum inornatum* clade, but the trichomes, leaves arrangement, and number of seeds are quite distinct. While *S. inornatum* group shows trichomes with few cells (up to 4), geminate leaves differing in form, and fruits with few seeds (up to 10), *S. lagoense* has multicellular soft trichomes,

with more than eight cells, geminated leaves equal in form and more than 15 seeds per fruit (Giacomin 2015).

These sorts of characters are related to species belonging to Geminata clade, a group highly diverse in Atlantic forest (Knapp 2002; Knapp et al. 2015). Comparing with other species with glabrous and geminate but not dimorphic leaves, *S. lagoense* is similar to *S. restingae* and *S. amorimii*. These species can be readily distinguished by their glabrous stems, even on new growths, while the species here described has clearly pilose stems. *Solanum restingae* is endemic of Bahia and Espírito Santo and has a distinct winged stem, leaves are attenuated towards the base, with fruiting pedicels up to 1.5 cm long. *Solanum amorimii* grows in southern Bahia, but also in the northeastern Minas Gerais, and its stem is not winged, the leaves are somewhat auriculate at the base, with fruiting pedicels usually not exceeding 1.2 cm long.

Other species belonging to Geminata clade recorded to the southern part of Espinhaço chain were *S. psilophyllum* Stehmann and Giacomin, *S. verticillatum* Knapp and Stehmann, *S. gnaphalocarpon* Vell., *S. intermedium* Sendtn., and *S. warmingii* Hiern, the last three collected by Warming in Lagoa Santa, later cited or described by Hiern (1877). It is noteworthy that after the exhaustive efforts of Warming collecting in Lagoa Santa (1863-1866), including Lapinha and Sumidouro limestone outcrops, few new species have been described along the last decades. This can be a result of a very well sampled place or that few researchers have been collecting again in the area. In fact, efforts of collecting plants in southern Espinhaço chain have been concentrated in quartzite rocky fields (Campos Rupestres), a typical vegetation found in high altitude areas (above 900 m) that keeps one of the richest floras of the Neotropical region, almost half of them endemics (Echternacht et al. 2011; Giulietti & Pirani 1997).



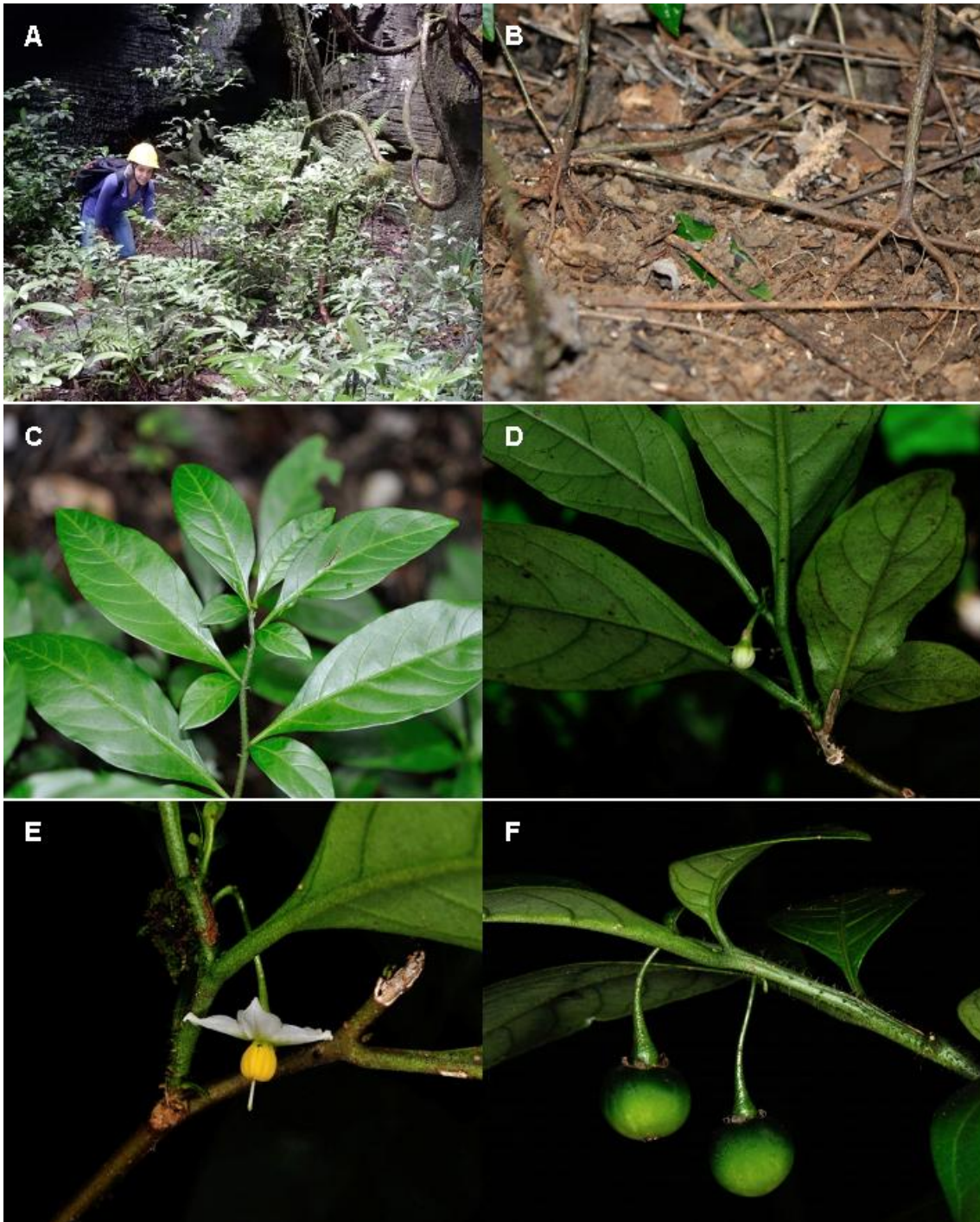


Figure 1. Photograph of living plants of *S. lagoense*. A. Habit of *S. lagoense* (Stehmann et al. 6361). B. Vegetative subterranean reproductive system of *S. lagoense* (Stehmann et al. 6361). C. Geminate leaves of *S. lagoense* (Stehmann et al. 6361). D. Bud of *S. lagoense* (Stehmann et al. 6361). E. Flower of *S. lagoense* (Stehmann et al. 6361). F. Fruits of *S. lagoense* (Stehmann et al. 6361).



Figure 2. Holotype specimen of *S. lagoense* (N.C. Moreira and R. Gurgel 158 [BHC B021206]).

It is noteworthy the clonal reproduction showed by the species. The individuals of the population studied have a “stolon” below the litter, linking each other, in similar way of that described to *S. psilophyllum* and other species belonging to Geminata clade

that grows in the southern Espinhaço range. In Solanaceae, vegetative reproduction is well reported to the tuber-bearing potato group (Hawkes 1990), as well as, to weedy species growing in open places or border of the forest belonging to the *Leptostemonum* clade, as *Solanum viarum* Dunal, *S. palinacanthum* Dunal, *Solanum guaraniticum* A. St.-Hil., and *S. paniculatum* L., common species of southeastern Brazil (Mentz and Oliveira 2004). However, clonal reproduction seems to be widely spread into the genus, being reported to most lineages as *Cyphomandra*, *Morelloid*, *Dulcamaroid*, and *Brevantherum* clades (Giacomin & Stehmann 2014; Vallejo-Marín & O'Brien 2007). Actually, we know very little about the habit and reproduction of the Neotropical *Solanum* to understand their evolutionary processes.

Lagoa Santa is an example of a fully catalogued site. Warming did a quite complete work, listing 2,593 plant species (Warming, 1908). Our findings strengthen the claim for more floristic and taxonomic inventories in Brazil, not only in less explored places like Amazonia, but also in supposedly well studied areas. Deep floristic inventories in places with more difficult access, or with different microclimatic conditions, have often resulted in discoveries of new rare and endemic species.

**Specimens examined (paratypes).** BRAZIL. **Minas Gerais:** Mun. Lagoa Santa, Gruta da Lapinha, Salão dos Bigodes, 19°33'57"S, 43°57'52"W, 716 m, 23 Jan 2015, *J. R. Stehmann and N. C. Moreira 6360* (BHCB). Mun. Lagoa Santa, Gruta da Lapinha, near Vale Romano, 19°33'57"S, 43°57'47"W, 912 m, 24 Mar 2015, *J. R. Stehmann et al. 6361* (BHCB).

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## CONCLUSÃO GERAL

A *Florula Lagoensis* pode ser considerada um dos estudos florísticos mais importantes do século XIX, por sua completude e qualidade. O pioneirismo do trabalho de Warming nos permitiu denominá-lo “o pai da florística no Brasil”. Ele, ainda, nos deixou algumas lições nessa área: a importância de coletar intensivamente, a atenção focada aos pequenos detalhes no campo e o trabalho em colaboração com vários especialistas.

A Botânica brasileira deve se espelhar nesses ensinamentos para vencer os desafios de produzir uma flora nacional, pois ainda há regiões com grandes lacunas e mesmo as áreas mais inventariadas, próximas aos centros de pesquisa guardam espécies desconhecidas pela ciência, como comprovou ser o caso de Lagoa Santa. Apesar do grande esforço de coleta de Warming, esse lugar, ainda revelou uma nova espécie de *Solanum*, pertencente ao clado Geminata, a despeito da recente revisão taxonômica do grupo.

Deve-se destacar o fato de a maior parte do imenso acervo coletado por Warming continuar inexplorado em Copenhague, assim como as informações dos cadernos de coleta e etiquetas associadas às exsicatas. Portanto, um projeto de repatriamento como o Reflora que resgatou, por exemplo, as coleções de Saint-Hilaire junto ao Muséum National d'Histoire Naturelle de Paris, seria necessário para se repatriar o acervo de Warming em Copenhague. Pode-se ainda mencionar a coleção de Regnell em Estocolmo, que coletou intensivamente em Caldas, Minas Gerais. Essas informações contribuiriam em muito para o conhecimento da flora do estado e conseqüentemente para a flora do Brasil.

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Family Taxa	Identified by	Type	Correct name	Life form	R
<b>Acanthaceae</b>					
<i>Beloperone hirsuta</i> Nees ab Es.	H.P. Hiern		<i>Justicia pohliana</i> Profice	shrub	0
<i>Beloperone sellowiana</i> Nees ab Es.	H.P. Hiern		<i>Justicia sellowiana</i> Profice	shrub	0
<i>Calophanes hirsutus</i> Orsted.	H.P. Hiern	Warming, B	<i>Dyschoriste hirsuta</i> (Oerst.) Kuntze	herb	0
<i>Chaetothylax lythroides</i> Nees ab Es.	H.P. Hiern		<i>Justicia lythroides</i> (Nees) V.A.W.Graham	shrub	0
<i>Dianthera dasyclados</i> Mart.	H.P. Hiern		<i>Justicia dasyclados</i> (Nees) Lindau	herb	0
<i>Dianthera laeta</i> Nees ab Es.	H.P. Hiern		<i>Justicia tijucensis</i> V.A.W.Graham	shrub	0
<i>Dicliptera mucronifolia</i> Nees ab Es.	H.P. Hiern		<i>Dicliptera mucronifolia</i> Nees	shrub	0
<i>Dicliptera sericea</i> Nees ab Es. (?)	H.P. Hiern		<i>Dicliptera squarrosa</i> Nees	shrub	2
<i>Geissomeria longiflora</i> Lindl.	H.P. Hiern		<i>Aphelandra longiflora</i> (Lindl.) Profice	shrub	0
<i>Geissomeria schottiana</i> Nees ab Es.	H.P. Hiern		<i>Aphelandra schottiana</i> (Nees) Profice	shrub	0
<i>Hygrophila costata</i> C.G. et T. F. L.	H.P. Hiern		<i>Hygrophila costata</i> Nees	herb	0
<i>Justicia burchellii</i> Hiern.	H.P. Hiern	Warming ?, C	<i>Justicia burchellii</i> Hiern	herb	0
<i>Justicia warmingii</i> Hiern.	H.P. Hiern	Warming ?, C	<i>Justicia warmingii</i> Hiern	shrub	0
<i>Lepidagathis alopecuroidea</i> Griseb.	H.P. Hiern		<i>Lepidagathis alopecuroidea</i> (Vahl) R.Br. ex Griseb.	herb	0
<i>Mendoncia puberula</i> Mart.	H.P. Hiern		<i>Mendoncia puberula</i> Mart.	vine	0
<i>Mendoncia velloziana sparatteria</i> Mart.	H.P. Hiern		<i>Mendoncia velloziana</i> Mart.	vine	0
<i>Ruellia acutangula hirsuta</i> Nees ab Es.	H.P. Hiern		<i>Ruellia acutangula</i> (Mart. ex Ness) Lindau	shrub	0
<i>Ruellia amoena</i> Nees ab Es.	H.P. Hiern		<i>Ruellia brevifolia</i> (Pohl) C.Ezcurra	shrub	2
<i>Ruellia brachysiphon</i> Nees ab Es.	H.P. Hiern		<i>Ruellia brachysiphon</i> (Nees) Lindau	shrub	0
<i>Ruellia costata</i> Nees ab Es.	H.P. Hiern		<i>Ruellia costata</i> (Nees) Hiern	shrub	0
<i>Ruellia densa</i> Nees ab Es.	H.P. Hiern		<i>Ruellia densa</i> (Nees) Hiern	shrub	0
<i>Ruellia dissitifolia</i> Nees ab Es.	H.P. Hiern		<i>Ruellia dissitifolia</i> (Nees) Hiern	herb	0
<i>Ruellia formosa</i> Andrews	H.P. Hiern		<i>Ruellia elegans</i> Poir.	shrub	1
<i>Ruellia geminiflora</i> Kunth.	H.P. Hiern		<i>Ruellia geminiflora</i> Kunth	herb	1
<i>Ruellia humilis</i> Pohl.	H.P. Hiern		<i>Ruellia geminiflora</i> Kunth	herb	1
<i>Ruellia menthoides</i> Nees ab Es.	H.P. Hiern		<i>Ruellia menthoides</i> (Nees) Hiern	shrub	0
<i>Ruellia puri</i> Mart.	H.P. Hiern		<i>Ruellia jussieuoides</i> Schlttdl. & Cham.	shrub	0
<i>Ruellia puri angustifolia</i> Mart.	H.P. Hiern		<i>Ruellia jussieuoides</i> Schlttdl. & Cham.	shrub	0

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<b>Ruellia rasa</b> Hiern	H.P. Hiern	Warming ?, C	Ruellia rasa Hiern	shrub	0
<b>Ruellia trivialis</b> Blanket.	H.P. Hiern		Ruellia trivialis Blanch. ex Nees	herb	0
<b>Thunbergia alata</b> Bojer	H.P. Hiern		Thunbergia alata Bojer ex Sims	vine	1
<b>Achariaceae</b>					
<b>Carpotroche brasiliensis</b> Endl.	A. W. Eichler		Carpotroche brasiliensis (Raddi) A Gray	tree	0
<b>Alismataceae</b>					
<b>Alisma tenellum</b> Mart.	Seubert, M.		Helanthium tenellum (Martius) Britton	herb	2
<b>Echinodorus guyanensis</b> (H.B.K.) Griseb.	Seubert, M.		Sagittaria guayanensis Kunth	herb	5
<b>Echinodorus pubescens</b> (Mart.) Seub.	Seubert, M.		Echinodorus pubescens (Mart.) Seub. ex Warm.	herb	0
<b>Sagittaria lagoensis</b> Seub. et Warm.	Seubert, M.	Warming, C	Sagittaria rhombifolia Cham.	herb	3
<b>Alstroemeriaceae</b>					
<b>Alstroemeria caryophyllea</b> Jacq.	Seubert, M.		Alstroemeria caryophyllaea Jacq.	herb	0
<b>Alstroemeria plantaginea</b> Mart.	Seubert, M.		Alstroemeria plantaginea Mart. ex Schult. & Schult.f.	herb	0
<b>Alstroemeria viridiflora</b> Wrmg.	Seubert, M.		Alstroemeria viridiflora Warm.	herb	0
<b>Bomarea brauniana</b> Schenk.	Seubert, M.		Bomarea edulis (Tussac) Herb.	vine	0
<b>Bomarea martiana</b> Schenk.	Seubert, M.		Bomarea edulis (Tussac) Herb.	vine	0
<b>Amaranthaceae</b>					
<b>Amarantus flavus</b> L.	Seubert, M.		Amaranthus hybridus L.	herb	0
<b>Amarantus paniculatus</b> Moq.	Seubert, M.		Amaranthus cruentus L.	herb	1
<b>Chamissoa acuminata</b> Mart.	Seubert, M.		Chamissoa acuminata Mart.	shrub	0
<b>Chamissoa altissima</b> Kth.	Seubert, M.		Chamissoa altissima (Jacq.) Kunth	shrub	0
<b>Chamissoa maximiliani</b> Mart.	Seubert, M.		Chamissoa acuminata Mart.	shrub	0
<b>Chenopodium ambrosioides</b> L.	E. Warming		Dysphania ambrosioides (L.) Mosyakin & Clemants	shrub	1
<b>Euxolus caudatus</b> Moq.	Seubert, M.		Amaranthus viridis L.	herb	0
<b>Euxolus viridis</b> Moq.	Seubert, M.		Amaranthus viridis L.	herb	0
<b>Gomphrena eriantha</b> Moq.	Seubert, M.		Hebanthe eriantha (Poir.) Pedersen	shrub	0
<b>Gomphrena glabrata</b> Moq.	Seubert, M.		Pfaffia glabrata (Spreng.) Pedersen	shrub	0
<b>Gomphrena glauca</b> Moq.	Seubert, M.		Pfaffia glomerata (Spreng.) Pedersen	shrub	0
<b>Gomphrena gnaphalioides</b> Vahl.	Seubert, M.		Pfaffia gnaphalioides (L.f.) Mart.	shrub	0



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<b>Gomphrena jubata</b> Moq.	Seubert, M.		Pfaffia jubata Mart.	shrub	0
<b>Gomphrena officinalis</b> Mart.	Seubert, M.		Gomphrena arborescens L.f.	shrub	0
<b>Gomphrena paniculata</b> Moq.	Seubert, M.		Hebanthe eriantha (Poir.) Pedersen	shrub	0
<b>Gomphrena pohlii</b> Moq.	Seubert, M.	Warming ?, C	Gomphrena pohlii Moq.	shrub	0
<b>Gomphrena pulverulenta</b> Moq.	Seubert, M.		Hebanthe pulverulenta Mart.	shrub	0
<b>Gomphrena rudis</b> Moq.	Seubert, M.		Gomphrena rudis Moq.	shrub	0
<b>Gomphrena vaga</b> Mart.	Seubert, M.		Gomphrena vaga Mart.	herb	0
<b>Gomphrena velutina</b> Moq.	Seubert, M.		Pfaffia velutina Mart.	shrub	3
<b>Iresine difusa</b> Humb. et Bonpl.	Seubert, M.		Iresine diffusa Humb. & Bonpl. ex Willd.	vine	1
<b>Iresine polymorpha</b> Mart.	Seubert, M.		Iresine diffusa Humb. & Bonpl. ex Willd.	vine	1
<b>Telanthera brasiliana</b> Moq.	Seubert, M.		Alternanthera brasiliana (L.) Kuntze	shrub	3
<b>Telanthera brasiliana villosa</b> Moq.	Seubert, M.		Alternanthera brasiliana (L.) Kuntze	shrub	3
<b>Telanthera moquinii</b> Webb.	Seubert, M.		Alternanthera brasiliana (L.) Kuntze	shrub	3
<b>Telanthera polygonoides</b> Moq.	Seubert, M.		Alternanthera paronychioides A.St.-Hil.	shrub	0
<b>Telanthera polygonoides diffusa</b> Moq.	Seubert, M.		Alternanthera paronychioides A.St.-Hil.	shrub	0
<b>Telanthera polygonoides radicans</b> Moq.	Seubert, M.		Alternanthera paronychioides A.St.-Hil.	shrub	0
<b>Telanthera puberula</b> Moq.	Seubert, M.		Alternanthera puberula (Mart.) D.Dietr.	shrub	0
<b>Telanthera puberula warmingii</b> Moq.	Seubert, M.	Warming, C	Alternanthera puberula (Mart.) D.Dietr.	shrub	0
<b>Telanthera ramosissima</b> Moq.	Seubert, M.		Alternanthera brasiliana (L.) Kuntze	shrub	3
<b>Amaryllidaceae</b>					
<b>Amaryllis psittacina</b> Ker. A.	Seubert, M.		Hippeastrum psittacinum Herb.	herb	0
<b>Amaryllis unguiculata</b> Mart.	Seubert, M.		Hippeastrum striatum (Lam.) Moore	herb	0
<b>Crinum virgineum</b> Mart.	Seubert, M.		Crinum jagus (J.Thomps.) Dandy	herb	0
<b>Griffinia liboniana hort. (Walp. Ann.)</b>	Seubert, M.		Griffinia liboniana Morren	herb	0
<b>Nothoscordum euosmum</b> Kth.	Seubert, M.		Nothoscordum nudicaule (Lehm.) Guagl.	herb	0
<b>Anacardiaceae</b>					
<b>Anacardium humile</b> St. Hilaire	Leon Marchand (corrig		Anacardium humile A.St.-Hil.	tree	3
<b>Astronium fraxinifolium</b> Schott.	Leon Marchand (corrig Engler)		Astronium fraxinifolium Schott	tree	2

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<b>Astronium graveolens Jacq.</b>	Leon Marchand (corrige Engler)		Astronium graveolens Jacq.	tree	0
<b>Lithroea molleoides (Vell.) Engl</b>	Leon Marchand (corrige Engler)	Warming ?, C	Lithroea molleoides (Vell.) Engl.	tree	0
<b>Schinus terebinthifolius Radd.</b>	Leon Marchand (corrige Engler)		Schinus terebinthifolius Raddi	tree	0
<b>Tapiria guianensis Aubl</b>	Leon Marchand (corrige Engler)		Tapirira guianensis Aubl.	tree	9
<b>Tapirira marchandi Engl.</b>	Leon Marchand (corrige Engler)	Warming, B	Tapirira obtusa (Benth.) J.D.Mitch.	tree	0
<b>Annonaceae</b>					
<b>Aberemoa lanceolata (St. Hil.)</b>	E. Warming		Duguetia lanceolata A.St.-Hil.	tree	0
<b>Annona cacans Warm.</b>	E. Warming	Warming, C	Annona cacans Warm.	tree	0
<b>Annona crotonifolia Mart.</b>	E. Warming		Annona crotonifolia Mart.	tree	0
<b>Annona furfuracea (St. Hil.)</b>	E. Warming		Duguetia furfuracea (A.St.-Hil.) Saff.	shrub	1
<b>Annona monticola Mart.</b>	E. Warming		Annona monticola Mart.	shrub	0
<b>Annona pygmaea Warm.</b>	E. Warming		Annona warmingiana Mello-Silva & Pirani	shrub	0
<b>Annona crassiflora Mart.</b>	E. Warming		Annona crassiflora Mart.	tree	1
<b>Cananga sellowiana (Schlecht.)</b>	E. Warming		Guatteria sellowiana Schltldl.	tree	0
<b>Cananga villosissima (St. Hil.)</b>	E. Warming		Guatteria villosissima A.St.-Hil.	tree	0
<b>Oxandra reinhardtiana Warmg.</b>	E. Warming	Warming, C	Oxandra martiana (Schltldl.) R.E.Fr.	tree	0
<b>Rollinia emarginata (Schlecht.)</b>	E. Warming		Annona emarginata (Schltldl.) H.Rainer	tree	0
<b>Rollinia laurifolia (Schlecht.)</b>	E. Warming		Annona dolabripetala Raddi	tree	0
<b>Rollinia sylvatica (St. Hil.)</b>	E. Warming		Annona sylvatica A.St.-Hil.	tree	3
<b>Uvaria macrocarpa Warmg.</b>	E. Warming	Warming, C	Porcelia macrocarpa (Warm.) R.E.Fr.	tree	0
<b>Xylopia brasiliensis Spreng.</b>	E. Warming		Xylopia brasiliensis Spreng.	tree	0
<b>Xylopia emarginata Mart.</b>	E. Warming		Xylopia emarginata Mart.	tree	0
<b>Xylopia grandiflora St. Hil.</b>	E. Warming		Xylopia aromatica (Lam.) Mart.	tree	1
<b>Xylopia sericea St. Hil.</b>	E. Warming		Xylopia sericea A.St.-Hil.	tree	0
<b>Apiaceae</b>					

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<b>Apium ammi (Jacq.) Urb.</b>	J. Urban		Cyclosporum leptophyllum (Pers.) Britton P.Wilson	herb	1
<b>Centella asiatica (Linn.) Urban.</b>	J. Urban		Centella asiatica (L.) Urb.	herb	0
<b>Eryngium canaliculatum Cham.</b>	J. Urban		Eryngium canaliculatum Cham. & Schltld.	herb	0
<b>Eryngium ebracteatum Lam.</b>	J. Urban		Eryngium ebracteatum Lam.	herb	0
<b>Eryngium floribundum Cham.</b>	J. Urban		Eryngium floribundum Cham. & Schltld.	herb	0
<b>Eryngium floribundum var.angustifolium Urban</b>	J. Urban		Eryngium floribundum Cham. & Schltld.	herb	0
<b>Eryngium foetidum L.</b>	J. Urban		Eryngium foetidum L.	herb	1
<b>Eryngium hemisphericum var.abbreviatum Urban.</b>	J. Urban		Eryngium hemisphaericum Urb.	herb	0
<b>Eryngium junceum juncifolium Cham.</b>	J. Urban		Eryngium juncifolium (Urb.) Mathias & Constance	herb	0
<b>Eryngium sanguisorba Cham.</b>	J. Urban		Eryngium sanguisorba Cham. & Schltld.	herb	0
<b>Spananthe paniculata Jacq.</b>	J. Urban		Spananthe paniculata Jacq.	herb	1
<b>Apocynaceae</b>					
<b>Amblyanthera funiformis macrophylla Mull. Arg.</b>	Joh. Muller Arg.		Mandevilla funiformis (Vell.) K.Schum.	vine	0
<b>Amblyanthera lasiocarpa pubescens Mull. Arg.</b>	Joh. Muller Arg.		Mandevilla hirsuta (Rich.) K.Schum.	vine	0
<b>Amphistelma aphyllum (Dcne). Fourn</b>	Eug. Fournier.		Orthosia scoparia (Nutt.) Liede & Meve	vine	3
<b>Amphistelma graminifolium Griseb.</b>	Eug. Fournier.		Orthosia scoparia (Nutt.) Liede & Meve	vine	3
<b>Anisobus hebecarpas pubescens Mull. Arg.</b>	Joh. Muller Arg.		Odontadenia lutea (Vell.) Markgr.	shrub	1
<b>Anisobus hebecarpas tomentosus Mull. Arg.</b>	Joh. Muller Arg.		Odontadenia lutea (Vell.) Markgr.	shrub	1
<b>Araujia sericifera Brot</b>	Eug. Fournier.		Araujia sericifera Brot.	vine	0
<b>Asclepias bracteolata Fourn.</b>	Eug. Fournier.		Asclepias bracteolata E.Fourn.	herb	0
<b>Asclepias candida Vell.</b>	Eug. Fournier.		Asclepias candida Vell.	herb	1
<b>Asclepias curassavica L.</b>	Eug. Fournier.		Asclepias curassavica L.	herb	4
<b>Asclepias mollodora St. Hil.</b>	Eug. Fournier.		Asclepias mellodora A.St.-Hil.	herb	2
<b>Asclepias nervosa Dcne.</b>	Eug. Fournier.		Asclepias mellodora A.St.-Hil.	herb	2
<b>Aspidosperma argenteum Mull. Arg.</b>	Joh. Muller Arg.	Warming, C	Aspidosperma australe Müll.Arg.	tree	0
<b>Aspidosperma lagoense Mull. Arg.</b>	Joh. Muller Arg.	Warming, C, F, W	Aspidosperma cylindrocarpon Müll.Arg.	tree	2
<b>Aspidosperma leucomelanum Mull. Arg.</b>	Joh. Muller Arg.	Warming, C	Aspidosperma spruceanum Benth. ex Müll.Arg.	tree	0
<b>Aspidosperma pallidiflorum Mull. Arg.</b>	Joh. Muller Arg.	Warming, C, NY	Aspidosperma tomentosum Mart.	tree	1

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<b>Aspidosperma subincanum Mart.</b>	Joh. Muller Arg.		Aspidosperma subincanum Mart.	tree	0
<b>Aspidosperma tomentosum angustifolium Mull. Arg.</b>	Joh. Muller Arg.		Aspidosperma tomentosum Mart.	tree	1
<b>Aspidosperma venosum Mull. Arg.</b>	Joh. Muller Arg.	Warming, C, NY	Aspidosperma polyneuron Müll. Arg.	tree	2
<b>Aspidosperma warmingii Mull. Arg.</b>	Joh. Muller Arg.	Warming, C, NY	Aspidosperma warmingii Müll. Arg.	tree	0
<b>Barjonia linearis Dcne.</b>	Eug. Fournier.		Barjonia erecta (Vell.) K.Schum.	shrub	0
<b>Barjonia obtusifolia Fourn.</b>	Eug. Fournier.	Warming, C	Barjonia erecta (Vell.) K.Schum.	shrub	0
<b>Barjonia racemosa Dcne.</b>	Eug. Fournier.		Barjonia erecta (Vell.) K.Schum.	shrub	0
<b>Barjonia warmingii Fourn.</b>	Eug. Fournier.	Warming, C	Barjonia erecta (Vell.) K.Schum.	shrub	0
<b>Blepharodus bicuspidatus Fourn.</b>	Eug. Fournier.	Warming ?, C	Blepharodon bicuspidatum E.Fourn.	vine	1
<b>Blepharodus linearis Dcne.</b>	Eug. Fournier.		Blepharodon lineare (Decne.) Decne.	herb	3
<b>Bustelma warmingii Fourn.</b>	Eug. Fournier.	Warming, C	Oxypetalum warmingii (E.Fourn.) Fontella & Marquete	vine	0
<b>Chthamalia purpurea Dcne.</b>	Eug. Fournier.		Matelea purpurea (Decne.) Goyder	shrub	1
<b>Condylocarpon rauwolfiae Mull. Arg.</b>	Joh. Muller Arg.		Condylocarpon isthmicum (Vell.) A.DC.	vine	0
<b>Condylocarpon rauwolfiae tomentosa Mull. Arg.</b>	Joh. Muller Arg.		Condylocarpon isthmicum (Vell.) A.DC.	vine	0
<b>Dipladenia gentianoides glabra Mull. Arg.</b>	Joh. Muller Arg.		Mandevilla pohliana (Stadelm.) A.H.Gentry	shrub	0
<b>Dipladenia gentianoides velutina Mull. Arg.</b>	Joh. Muller Arg.		Mandevilla pohliana (Stadelm.) A.H.Gentry	shrub	0
<b>Dipladenia illustris glabra Mull. Arg.</b>	Joh. Muller Arg.		Mandevilla illustris (Vell.) Woodson	shrub	0
<b>Dipladenia illustris tomentosa Mull. Arg.</b>	Joh. Muller Arg.		Mandevilla illustris (Vell.) Woodson	shrub	0
<b>Dipladenia spigeliaeflora Mull. Arg.</b>	Joh. Muller Arg.		Mandevilla spigeliiflora (Stadelm.) Woodson	shrub	0
<b>Dipladenia spigeliaeflora longiloba Mull. Arg.</b>	Joh. Muller Arg.		Mandevilla spigeliiflora (Stadelm.) Woodson	shrub	0
<b>Dipladenia xanthostoma major Mull. Arg.</b>	Joh. Muller Arg.		Mandevilla coccinea (Hook. & Arn.) Woodson	shrub	0
<b>Ditassa aequicymosa Fourn.</b>	Eug. Fournier.	Warming ?, C	Ditassa aequicymosa E.Fourn.	vine	0
<b>Ditassa lagoensis Fourn.</b>	Eug. Fournier.	Warming ?, C	Ditassa lagoensis E.Fourn.	vine	0
<b>Ditassa micromeria Dcne.</b>	Eug. Fournier.		Minaria micromeria (Decne.) T.U.P.Konno & Rapini	shrub	0
<b>Ditassa montana Dcne.</b>	Eug. Fournier.		Ditassa mucronata Mart.	vine	0
<b>Ditassa mucronata Mart. &amp; Zucc.</b>	Eug. Fournier.		Ditassa mucronata Mart.	vine	0
<b>Ditassa passerinoides Mart. &amp; Zucc.</b>	Eug. Fournier.		Minaria decussata (Mart.) T.U.P.Konno & Rapini	shrub	1
<b>Ditassa virgata Fourn.</b>	Eug. Fournier.	Warming, P ?	Minaria cordata (Turcz.) T.U.P.Konno & Rapini	shrub	1

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<b>Ditassa warmingii</b> Fourn.	Eug. Fournier.	Warming, C	Ditassa obcordata Mart.	vine	0
<b>Echites circinalis</b> Sw.	Joh. Muller Arg.		Prestonia coalita (Vell.) Woodson	vine	0
<b>Echites macrocalix</b> Mull. Arg.	Joh. Muller Arg.		Peltastes peltatus (Vell.) Woodson	vine	0
<b>Echites violacea</b> Vell.	Joh. Muller Arg.		Temnadenia violacea (Vell.) Miers	vine	3
<b>Fischeria warmingii</b> Fourn.	Eug. Fournier.	Warming, M	Fischeria stellata (Vell.) E.Fourn.	vine	0
<b>Forsteronia lagoensis</b> Mull. Arg.	Joh. Muller Arg.	Warming, C	Forsteronia refracta Müll.Arg.	vine	0
<b>Forsteronia multinervia</b> A. DC.	Joh. Muller Arg.		Forsteronia thyrsoides (Vell.) Müll.Arg.	vine	0
<b>Gonolobus stelliflorus</b> Fourn.	Eug. Fournier.		Mateleia denticulata (Vahl) Fontella & E.A.Schwarz	vine	0
<b>Gyrostelma oxypetaloides</b> Fourn.	Eug. Fournier.	Warming, C	Gyrostelma oxypetaloides E.Fourn.	shrub	0
<b>Haemadictyon lagoense</b> Mull. Arg.	Joh. Muller Arg.	Warming, C	Prestonia lagoensis (Müll.Arg.) Woodson	vine	1
<b>Haemadictyon warmingii</b> Mull. Arg.	Joh. Muller Arg.	Warming, C	Prestonia lagoensis (Müll.Arg.) Woodson	vine	1
<b>Hancornia speciosa lundii</b> A. DC.	Joh. Muller Arg.		Hancornia speciosa Gomes	tree	0
<b>Hemipogon acerosus viridis</b> Dcne.	Eug. Fournier.	Warming, C	Hemipogon acerosus Decne.	shrub	2
<b>Ibatia ciliata</b> Fourn.	Eug. Fournier.	Warming, C	Pseudibatia ciliata (E. Fourn.) Malme	shrub	0
<b>Laseguea erecta guilleminiana</b> Mull. Arg.	Joh. Muller Arg.		Mandevilla emarginata (Vell.) C.Ezurra	shrub	0
<b>Macroscepis aurea</b> Fourn.	Eug. Fournier.	Warming, C	Macroscepis aurea E.Fourn.	vine	0
<b>Macrosiphonia longiflora</b> Mull. Arg.	Joh. Muller Arg.		Mandevilla longiflora (Desf.) Pichon	herb	3
<b>Macrosiphonia martii</b> Mull. Arg.	Joh. Muller Arg.		Mandevilla martii (Müll.Arg.) Pichon	shrub	1
<b>Macrosiphonia velame</b> Mull. Arg.	Joh. Muller Arg.		Mandevilla velame (A.St.-Hil.) Pichon	shrub	1
<b>Marsdenia warmingii</b> Fourn.	Eug. Fournier.	Warming, C	Marsdenia hilariana E.Fourn.	vine	0
<b>Marsdenia weddellii</b> (E.Fourn.) Malme	Eug. Fournier.		Marsdenia weddellii (E.Fourn.) Malme	vine	0
<b>Mesechites sulfurea</b> Mull. Arg.	Joh. Muller Arg.		Prestonia coalita (Vell.) Woodson	vine	0
<b>Oxypetalum aequaliflorum</b> Fourn.	Eug. Fournier.	Warming, C	Oxypetalum aequaliflorum E.Fourn.	herb	0
<b>Oxypetalum appendiculatum</b> Mart. & Zucc.	Eug. Fournier.		Oxypetalum appendiculatum Mart.	vine	0
<b>Oxypetalum campestre</b> Dcne.	Eug. Fournier.		Oxypetalum erectum Mart.	shrub	0
<b>Oxypetalum capitatum</b> Mart. & Zucc.	Eug. Fournier.		Oxypetalum capitatum Mart.	herb	1
<b>Oxypetalum guilleminianum</b> Dcne.	Eug. Fournier.		Oxypetalum wightianum Hook. & Arn.	vine	0
<b>Oxypetalum lagoense</b> Fourn.	Eug. Fournier.	Warming, C	Oxypetalum jacobinae Decne.	shrub	1
<b>Oxypetalum martii</b> Fourn.	Eug. Fournier.	Warming, P	Oxypetalum martii E.Fourn.	herb	2

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<b>Oxypetalum pachyglossum</b> Dcne.	Eug. Fournier.		Oxypetalum pachyglossum Decne.	vine	0
<b>Oxypetalum pauperculum</b> Fourn.	Eug. Fournier.	Warming, C	Oxypetalum erostre E.Fourn.	vine	0
<b>Oxypetalum strictum</b> Mart. & Zucc.	Eug. Fournier.		Oxypetalum strictum Mart.	shrub	0
<b>Oxypetalum suaveolens</b> Fourn.	Eug. Fournier.	Warming, P	Oxypetalum molle Hook. & Arn.	vine	0
<b>Plumeria warmingii</b> Mull. Arg.	Joh. Muller Arg.	Warming, C	Himatanthus obovatus (Müll.Arg.) Woodson	tree	0
<b>Prestonia bahiensis</b> Mull. Arg.	Joh. Muller Arg.		Prestonia bahiensis Müll.Arg.	vine	0
<b>Prestonia hirsuta</b> Mull. Arg.	Joh. Muller Arg.		Prestonia calycina Müll.Arg.	vine	0
<b>Prestonia lutescens</b> Mull. Arg.	Joh. Muller Arg.	Warming, C	Prestonia tomentosa R.Br.	vine	0
<b>Prestonia tomentosa</b> R. Br.	Joh. Muller Arg.		Prestonia tomentosa R.Br.	vine	0
<b>Rhodocalyx rotundifolius</b> Mull. Arg.	Joh. Muller Arg.	Warming, C	Prestonia erecta (Malme) J.F.Morales	shrub	7
<b>Roulinia parviflora</b> Dcne.	Eug. Fournier.		Cynanchum roulinioides (E.Fourn.) Rapini	herb	0
<b>Secondatia densiflora</b> A.DC.	Joh. Muller Arg.		Secondatia densiflora A.DC.	vine	0
<b>Secondatia foliosa</b> A.DC.	Joh. Muller Arg.		Secondatia floribunda A.DC.	vine	1
<b>Tabernaemontana accedens</b> Mull. Arg.	Joh. Muller Arg.	Warming, C	Tabernaemontana solanifolia A.DC.	tree	0
<b>Tabernaemontana laeta</b> Mart.	Joh. Muller Arg.		Tabernaemontana laeta Mart.	tree	1
<b>Tabernaemontana warmingii</b> Mull. Arg.	Joh. Muller Arg.	Warming, C	Tabernaemontana solanifolia A.DC.	tree	0
<b>Verlotia dracontea</b> Fourn.	Eug. Fournier.	Warming, C	Marsdenia suberosa (E.Fourn.) Malme	vine	0
<b>Verlotia virgultorum</b> Fourn.	Eug. Fournier.	Warming, C	Marsdenia virgultorum (E.Fourn.) W.Rothe	vine	0
<b>Zygostelma calcaratum</b> (Dcne.) Fourn.	Eug. Fournier.		Petalostelma calcaratum (Decne.) Fontella	shrub	0
<b>Aquifoliaceae</b>					
<b>Ilex affinis angustifolia</b> Gardn.	E. Warming		Ilex affinis Gardner	shrub	1
<b>Ilex conocarpa</b> Reiss.	E. Warming		Ilex conocarpa Reissek	tree	0
<b>Ilex lagoensis</b> Warmg.	E. Warming	Warming, C	Ilex cerasifolia Reissek	tree	0
<b>Ilex lundii</b> Warmg.	E. Warming	Warming, C ?	Ilex lundii Warm.	tree	2
<b>Araceae</b>					
<b>Anthurium affine</b> Schott.	Engler, A.		Anthurium affine Schott	herb	2
<b>Anthurium variabile</b> Kunth.	Engler, A.		Anthurium pentaphyllum (Aubl.) G.Don	herb	0
<b>Caladium bicolor</b> Vent.	Engler, A.		Caladium bicolor (Aiton) Vent.	herb	0
<b>Caladium striatipes</b> Schott.	Engler, A.		Xanthosoma striatipes (Kunth & Bouché) Madison	herb	0

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<b>Philodendron imbe Schott.</b>	Engler, A.		Philodendron imbe Schott ex Kunth.	vine	0
<b>Philodendron ochrostemon Schott.</b>	Engler, A.		Philodendron oblongum (Vell.) Kunth	herb	0
<b>Philodendron rotundatum Engl.</b>	Engler, A.	Warming, C	Philodendron rotundatum Engl.	herb	0
<b>Philodendron selloum lundii Koch, K.</b>	Engler, A.		Philodendron lundii Warm.	herb	0
<b>Rhodospatha oblongata Poepp.</b>	Engler, A.		Rhodospatha oblongata Poepp.	herb	0
<b>Staurostigma luschnathianum Koch, K.</b>	Engler, A.		Asterostigma luschnathianum Schott	herb	0
<b>Taccarum warmingii Engl.</b>	Engler, A.		Taccarum warmingii Engl.	herb	0
<b>Xanthosoma pentaphyllum Engl.</b>	Engler, A.		Xanthosoma pentaphyllum Engl.	herb	0
<b>Xanthosoma riedelianum Schott.</b>	Engler, A.		Xanthosoma riedelianum (Schott) Schott	herb	0
<b>Araliaceae</b>					
<b>Coudenbergia warmingii E. March.</b>	Det. E. Marchall.		Aralia warmingiana (Marchal) J.Wen	tree	1
<b>Didymopanax claussonianum Decne. et. Planch.</b>	Det. E. Marchall.		Schefflera calva (Cham.) Frodin & Fiaschi	tree	0
<b>Didymopanax longepetiolatum E. March.</b>	Det. E. Marchall.		Schefflera longipetiolata (Pohl ex DC.) Frodin & Fiaschi	tree	0
<b>Didymopanax macrocarpus Seem.</b>	Det. E. Marchall.		Schefflera macrocarpa (Cham. & Schltdl.) Frodin	tree	3
<b>Gilibertia cuneata E. March.</b>	Det. E. Marchall.		Dendropanax cuneatus (DC.) Decne. & Planch.	tree	0
<b>Gilibertia cuneata abbreviata E. March.</b>	Det. E. Marchall.		Dendropanax cuneatus (DC.) Decne. & Planch.	tree	0
<b>Hydrocotyle leucocephala var.obtusiloba Urban.</b>	J. Urban		Hydrocotyle leucocephala Cham. & Schltdl.	herb	1
<b>Hydrocotyle pusilla Rich.</b>	J. Urban		Hydrocotyle pusilla A.Rich.	herb	0
<b>Hydrocotyle umbellata var.bonariensis (Lam.)</b>	J. Urban		Hydrocotyle bonariensis Lam.	herb	1
<b>Areaceae</b>					
<b>Acrocomia sclerocarpa Mart.</b>	O. Drude		Acrocomia aculeata (Jacq.) Lodd. ex Mart.	herb	0
<b>Attalea compta (?) Mart.</b>	O. Drude		Attalea compta Mart.	herb	0
<b>Cocos coronata Mart.</b>	O. Drude		Syagrus coronata (Mart.) Becc.	herb	0
<b>Cocos flexuosa Mart.</b>	O. Drude		Syagrus flexuosa (Mart.) Becc.	herb	1
<b>Cocos leiospatha angustifolia Drude.</b>	O. Drude		Butia leiospatha (Barb.Rodr.) Becc.	herb	0
<b>Cocos oleracea Mart.</b>	O. Drude		Syagrus oleracea (Mart.) Becc.	herb	0
<b>Geonoma schottiana Mart.</b>	O. Drude		Geonoma schottiana Mart.	herb	1
<b>Geonoma schottiana palustris Drude.</b>	O. Drude	Warming, C	Geonoma brevispatha Barb.Rodr.	herb	0
<b>Aristolochiaceae</b>					

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<b>Aristolochia arcuata Masters.</b>	Maxwell T. Masters	Warming ?, C	Aristolochia arcuata Mast.	vine	0
<b>Aristolochia chamissonis Duchartre</b>	Maxwell T. Masters		Aristolochia chamissonis (Klotzsch) Duch.	vine	1
<b>Aristolochia cymbifera labiosa Duchartre</b>	Maxwell T. Masters		Aristolochia cymbifera Mart. & Zucc.	vine	0
<b>Aristolochia galeata Mart. et Zucc.</b>	Maxwell T. Masters		Aristolochia labiata Willd.	vine	0
<b>Aristolochia melastoma Manso.</b>	Maxwell T. Masters		Aristolochia melastoma Silva Manso ex Duch.	vine	0
<b>Aristolochia pohliana Duchartre</b>	Maxwell T. Masters		Aristolochia pohliana Duch.	vine	1
<b>Aristolochia smilacina Duchartre</b>	Maxwell T. Masters		Aristolochia smilacina (Klotzsch) Duch.	vine	3
<b>Aristolochia warmingii Masters.</b>	Maxwell T. Masters	Warming, C	Aristolochia warmingii Mast.	vine	0
<b>Asparagaceae</b>					
<b>Herreria salsaparilha Mart.</b>	A. Grisebach		Herreria salsaparilha Mart.	vine	1
<b>Asteraceae</b>					
<b>Acanthospermum hispidum DC.</b>	J. G. Baker (et E. Warming)		Acanthospermum hispidum DC.	herb	1
<b>Acanthospermum xanthioides DC.</b>	J. G. Baker (et E. Warming)		Acanthospermum australe (Loefl.) Kuntze	herb	1
<b>Achyrocline alata vauthieriana DC.</b>	J. G. Baker (et E. Warming)		Achyrocline alata (Kunth) DC.	shrub	0
<b>Achyrocline satureioides DC.</b>	J. G. Baker (et E. Warming)		Achyrocline satureioides (Lam.) DC.	herb	1
<b>Adenostemma viscosum triangulare Bth.</b>	J. G. Baker (et E. Warming)		Adenostemma brasilianum (Pers.) Cass.	herb	0
<b>Ageratum conyzoides Linn.</b>	J. G. Baker (et E. Warming)		Ageratum conyzoides L.	herb	4
<b>Alomia angustata (Gardn) Benth.</b>	J. G. Baker (et E. Warming)		Gardnerina angustata (Gardner) R.M.King & H.Rob.	herb	0
<b>Alomia fastigiata (Gardn) Bth.</b>	J. G. Baker (et E. Warming)		Ageratum fastigiatum (Gardner) R.M.King & H.Rob.	shrub	0
<b>Alomia myriadenia (Schultz-Bip.) Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Ageratum myriadenium (Sch.Bip. ex Baker) R.M.King & H.Rob.	shrub	0
<b>Alomia pohlii (Schultz-Bip.) Baker</b>	J. G. Baker (et E. Warming)		Teixeiranthus pohlii (Sch.Bip. ex Baker) R.M.King & H.Rob.	herb	0
<b>Ambrosia polystachya DC.</b>	J. G. Baker (et E. Warming)		Ambrosia polystachya DC.	herb	0
<b>Arctium minus Schk.</b>	J. G. Baker (et E. Warming)		Arctium minus (Hill) Bernh.	herb	0
<b>Aspilia clauseniana Baker</b>	J. G. Baker (et E. Warming)		Aspilia clauseniana Baker	shrub	0
<b>Aspilia foliacea (Spreng.) Baker</b>	J. G. Baker (et E. Warming)		Aspilia foliacea (Spreng.) Baker	herb	2
<b>Aspilia hispidula Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Wedelia hispidula (Baker) B.L.Turner	shrub	0
<b>Aspilia phyllostachya Baker</b>	J. G. Baker (et E. Warming)		Aspilia phyllostachya Baker	shrub	0
<b>Aspilia reflexa (Sch. Bip.) Baker</b>	J. G. Baker (et E. Warming)		Aspilia reflexa (Sch.Bip. ex Baker) Baker	herb	1



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<b>Aster camporum</b> Gardn.	J. G. Baker (et E. Warming)		Inulopsis camporum (Gardner) G.L.Nesom	herb	1
<b>Aster warmingii</b> Baker	J. G. Baker (et E. Warming)		Apopyros warmingii (Baker) G.L.Nesom	shrub	0
<b>Baccharis aphylla</b> DC.	J. G. Baker (et E. Warming)		Baccharis aphylla (Vell.) DC.	shrub	0
<b>Baccharis brachylaenoides</b> DC.	J. G. Baker (et E. Warming)		Baccharis oblongifolia (Ruiz & Pav.) Pers.	shrub	0
<b>Baccharis calvescens</b> DC.	J. G. Baker (et E. Warming)		Baccharis calvescens DC.	shrub	0
<b>Baccharis camporum</b> DC.	J. G. Baker (et E. Warming)		Baccharis sessiliflora Vahl	shrub	0
<b>Baccharis camporum integrifolia</b> Baker	J. G. Baker (et E. Warming)	Warming, S	Baccharis sessiliflora Vahl	shrub	0
<b>Baccharis cassinaefolia</b> DC.	J. G. Baker (et E. Warming)		Baccharis singularis (Vell.) G.M.Barroso	shrub	0
<b>Baccharis dracunculifolia</b> DC.	J. G. Baker (et E. Warming)		Baccharis dracunculifolia DC.	shrub	3
<b>Baccharis flexuosa</b> Baker	J. G. Baker (et E. Warming)	Warming, C	Baccharis quitensis Kunth	vine	0
<b>Baccharis genistelloides trimera</b> Baker	J. G. Baker (et E. Warming)		Baccharis crispa Spreng.	herb	1
<b>Baccharis gracilis</b> DC.	J. G. Baker (et E. Warming)		Baccharis gracilis DC.	shrub	0
<b>Baccharis helichrysoides</b> DC.	J. G. Baker (et E. Warming)		Baccharis helichrysoides DC.	shrub	0
<b>Baccharis humilis</b> Sch.-Bip.	J. G. Baker (et E. Warming)		Baccharis humilis Sch.Bip. ex Baker	shrub	0
<b>Baccharis lundii punctigera (Gardn.)</b> Baker	J. G. Baker (et E. Warming)		Baccharis serrulata (Lam.) Pers.	shrub	0
<b>Baccharis multisulcata</b> Baker	J. G. Baker (et E. Warming)	Warming, C	Baccharis orbignyana Klatt	shrub	0
<b>Baccharis oxyodonta</b> DC.	J. G. Baker (et E. Warming)		Baccharis oxyodonta DC.	shrub	0
<b>Baccharis prenanthoides</b> Baker	J. G. Baker (et E. Warming)	Warming, C	Baccharis hirta DC.	shrub	0
<b>Baccharis retusa</b> DC.	J. G. Baker (et E. Warming)		Baccharis retusa DC.	shrub	4
<b>Baccharis rufescens</b> Spreng.	J. G. Baker (et E. Warming)		Baccharis linearifolia (Lam.) Pers.	shrub	1
<b>Baccharis rufescens varians (Gardn.)</b> Baker	J. G. Baker (et E. Warming)		Baccharis linearifolia (Lam.) Pers.	shrub	1
<b>Baccharis serrulata</b> Pers.	J. G. Baker (et E. Warming)		Baccharis serrulata (Lam.) Pers.	shrub	0
<b>Baccharis subcapitata</b> Gardn.	J. G. Baker (et E. Warming)		Baccharis subcapitata Gardner	shrub	0
<b>Baccharis subdentata</b> DC.	J. G. Baker (et E. Warming)		Baccharis subdentata DC.	shrub	0
<b>Baccharis tridentata rhexioides (H.B.K.)</b> Baker	J. G. Baker (et E. Warming)		Baccharis trinervis Pers.	herb	1
<b>Baccharis tridentata trinervis</b> Pers.	J. G. Baker (et E. Warming)		Baccharis trinervis Pers.	herb	1
<b>Baccharis vernonioides</b> DC.	J. G. Baker (et E. Warming)		Baccharis rufidula (Spreng.) Joch.Müll.	shrub	0
<b>Baccharis vulneraria</b> Baker	J. G. Baker (et E. Warming)	Warming, C	Baccharis vulneraria Baker	shrub	0
<b>Baltimora recta</b> L.	J. G. Baker (et E. Warming)		Baltimora recta L.	herb	0

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<b>Barnadesia rosea Lindl.</b>	J. G. Baker (et E. Warming)		Barnadesia caryophylla (Vell.) S.F.Blake	shrub	1
<b>Bidens gardneri Baker</b>	J. G. Baker (et E. Warming)		Bidens gardneri Baker	shrub	0
<b>Bidens graveolens Mart.</b>	J. G. Baker (et E. Warming)		Bidens graveolens Mart.	shrub	0
<b>Bidens pilosa L.</b>	J. G. Baker (et E. Warming)		Bidens pilosa L.	herb	4
<b>Bidens rubifolia H.B.K.</b>	J. G. Baker (et E. Warming)		Bidens rubifolia Kunth	shrub	0
<b>Blainvillea rhomboidea Cass.</b>	J. G. Baker (et E. Warming)		Blainvillea acmella (L.) Philipson	herb	1
<b>Blainvillea rhomboidea polycephala (Gardn.)</b>	J. G. Baker (et E. Warming)		Blainvillea acmella (L.) Philipson	herb	1
<b>Brickellia diffusa A. Gray</b>	J. G. Baker (et E. Warming)		Brickellia diffusa (Vahl) A.Gray	herb	0
<b>Brickellia pinifolia A. Gray</b>	J. G. Baker (et E. Warming)		Pseudobrickellia brasiliensis (Spreng.) R.M.King & H.Rob.	shrub	1
<b>Calea clauseniana Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Calea clauseniana Baker	herb	0
<b>Calea lantanoides Gardn.</b>	J. G. Baker (et E. Warming)		Calea lantanoides Gardner	shrub	0
<b>Calea platylepsis Sch.-Bip.</b>	J. G. Baker (et E. Warming)		Calea mediterranea (Vell.) Pruski	shrub	0
<b>Chaptalia integrifolia (Cass.) Baker</b>	J. G. Baker (et E. Warming)		Chaptalia integerrima (Vell.) Burkart	herb	0
<b>Chaptalia nutans (DC.) Hemsley</b>	J. G. Baker (et E. Warming)		Chaptalia nutans (L.) Pol.	herb	0
<b>Chuquiraga glabra (Spreng.) Baker</b>	J. G. Baker (et E. Warming)		Dasyphyllum brasiliense (Spreng.) Cabrera	tree	0
<b>Chuquiraga macrocephala Baker</b>	J. G. Baker (et E. Warming)		Dasyphyllum sprengelianum (Gardner) Cabrera	shrub	1
<b>Chuquiraga tomentosa (Spreng.) Baker</b>	J. G. Baker (et E. Warming)		Dasyphyllum brasiliense (Spreng.) Cabrera	tree	0
<b>Clibadium rotundifolium DC.</b>	J. G. Baker (et E. Warming)		Clibadium armani (Balb.) Sch.Bip. ex O.E.Schulz	shrub	0
<b>Conyza chilensis Spreng.</b>	J. G. Baker (et E. Warming)		Conyza primulifolia (Lam.) Cuatrec. & Lourteig	shrub	0
<b>Conyza rivularis Gardn.</b>	J. G. Baker (et E. Warming)		Exostigma rivulare (Gardner) G.Sancho	herb	0
<b>Cosmos caudatus H.B.K.</b>	J. G. Baker (et E. Warming)		Cosmos caudatus Kunth	herb	0
<b>Echinocephalum latifolium Gardn.</b>	J. G. Baker (et E. Warming)		Melanthera latifolia (Gardner) Cabrera	shrub	0
<b>Eclipta alba Hassk</b>	J. G. Baker (et E. Warming)		Eclipta prostrata (L.) L.	herb	4
<b>Elephantopus elongatus Gardn.</b>	J. G. Baker (et E. Warming)		Elephantopus elongatus Gardner	shrub	0
<b>Elephantopus micropappus Less.</b>	J. G. Baker (et E. Warming)		Elephantopus micropappus Less.	herb	0
<b>Elephantopus scaber tomentosa Schultz-Bip</b>	J. G. Baker (et E. Warming)		Elephantopus mollis Kunth	herb	0
<b>Erechtites hieracifolia Raf.</b>	J. G. Baker (et E. Warming)		Erechtites hieracifolius (L.) Raf. ex DC.	shrub	3
<b>Erechtites ignobilis (Sch. Bip.) Baker</b>	J. G. Baker (et E. Warming)		Erechtites ignobilis Baker	shrub	0
<b>Erechtites valerianifolia DC.</b>	J. G. Baker (et E. Warming)		Erechtites valerianifolius (Wolf) DC.	herb	0

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<b>Eremanthus glomerulatus Less.</b>	J. G. Baker (et E. Warming)		Eremanthus glomerulatus Less.	tree	1
<b>Eremanthus plantaginifolius (Less.) Baker</b>	J. G. Baker (et E. Warming)		Chresta plantaginifolia (Less.) Gardner	shrub	0
<b>Eremanthus sphaerocephalus (DC.) Baker</b>	J. G. Baker (et E. Warming)		Chresta sphaerocephala DC.	shrub	2
<b>Erigeron bonariensis L.</b>	J. G. Baker (et E. Warming)		Conyza bonariensis (L.) Cronquist	herb	1
<b>Erigeron maximus Link et Otto</b>	J. G. Baker (et E. Warming)		Leptostelma maximum D.Don	herb	0
<b>Eupatorium amygdalium elegans (Gardn) Baker</b>	J. G. Baker (et E. Warming)		Ayapana amygdalina (Lam.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium amygdalium Lam.</b>	J. G. Baker (et E. Warming)		Ayapana amygdalina (Lam.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium amygdalium oxichlaena (DC.) Baker</b>	J. G. Baker (et E. Warming)		Ayapana amygdalina (Lam.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium asperrimum Sch._Bip.</b>	J. G. Baker (et E. Warming)		Chromolaena asperrima (Sch.Bip. ex Baker) R.M.King & H.Rob.	shrub	0
<b>Eupatorium betonicaeforme hastata (DC.) Baker</b>	J. G. Baker (et E. Warming)		Barrosoa betonicaeformis (DC.) R.M. King & H. Rob.	herb	0
<b>Eupatorium bracteatum Gargn.</b>	J. G. Baker (et E. Warming)		Stomatanthes pernambucensis (B.L.Rob.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium bracteatum pinnatifida Baker</b>	J. G. Baker (et E. Warming)		Stomatanthes pernambucensis (B.L.Rob.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium burchellii Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Campuloclinium burchellii (Baker) R.M.King & H.Rob.	shrub	0
<b>Eupatorium capillare (DC.) Baker</b>	J. G. Baker (et E. Warming)		Praxelis capillaris (DC.) Sch.Bip.	herb	0
<b>Eupatorium chlorolepis Baker</b>	J. G. Baker (et E. Warming)		Campuloclinium chlorolepis (Baker) R.M.King & H.Rob.	shrub	0
<b>Eupatorium cinereo-viride Sch.-Bip.</b>	J. G. Baker (et E. Warming)		Chromolaena cinereoviridis (Sch.Bip. ex Baker) R.M.King & H.Rob.	shrub	0
<b>Eupatorium consanguineum inoequalis Baker</b>	J. G. Baker (et E. Warming)		Koanophyllon consanguineum (DC.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium conyzoides maximiliani Vahl</b>	J. G. Baker (et E. Warming)		Chromolaena maximiliani(Schrad.ex DC.)R.M.King & H.Rob.	shrub	0
<b>Eupatorium cryptanthum Sch.-Bip.</b>	J. G. Baker (et E. Warming)	Warming, C	Chromolaena cryptantha (Sch.Bip. ex Baker) R.M.King & H.Rob.	shrub	0
<b>Eupatorium dendroides Spreng.</b>	J. G. Baker (et E. Warming)		Ageratina dendroides (Spreng.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium dentatum Gardn.</b>	J. G. Baker (et E. Warming)		Stomatanthes dentatus (Gardner) H.Rob.	shrub	1
<b>Eupatorium dictyophyllum DC.</b>	J. G. Baker (et E. Warming)		Stomatanthes dictyophyllus (DC.) R.M.King & H.Rob.	shrub	1
<b>Eupatorium dimorpholepis Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Grazielia dimorpholepis (Baker) R.M.King & H.Rob.	shrub	0
<b>Eupatorium gaudichaudianum DC.</b>	J. G. Baker (et E. Warming)		Grazielia gaudichaudeana (DC.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium guadalupense laxa Spreng.</b>	J. G. Baker (et E. Warming)		Fleischmannia laxa (Gardner) R.M.King & H.Rob.	herb	0
<b>Eupatorium guadalupense Spreng.</b>	J. G. Baker (et E. Warming)		Fleischmannia microstemon (Cass.) R.M.King & H.Rob.	herb	0

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<b>Eupatorium halimifolium DC.</b>	J. G. Baker (et E. Warming)		Disynaphia halimifolia (DC.) R.M.King & H.Rob.	shrub	1
<b>Eupatorium hirsutum Gardn.</b>	J. G. Baker (et E. Warming)		Campuloclinium hirsutum Gardner	shrub	0
<b>Eupatorium horminoides (DC.) Baker</b>	J. G. Baker (et E. Warming)		Chromolaena horminoides DC.	shrub	0
<b>Eupatorium horminoides calamocephala (DC.) Baker</b>	J. G. Baker (et E. Warming)		Chromolaena horminoides DC.	shrub	0
<b>Eupatorium intermedium DC.</b>	J. G. Baker (et E. Warming)		Grazielia intermedia (DC.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium ivaefolium extrossa (Sch.-Bip.) Baker</b>	J. G. Baker (et E. Warming)		Chromolaena ivaefolia (L.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium ivaefolium L.</b>	J. G. Baker (et E. Warming)		Chromolaena ivaefolia (L.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium kleinioides H. B. K.</b>	J. G. Baker (et E. Warming)		Praxelis kleinioides (Kunth) Sch. Bip.	herb	1
<b>Eupatorium laevigatum Lam.</b>	J. G. Baker (et E. Warming)		Chromolaena laevigata (Lam.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium lupulinum Baker</b>	J. G. Baker (et E. Warming)		Chromolaena epaleacea Gardner	shrub	0
<b>Eupatorium megacephalum Mart.</b>	J. G. Baker (et E. Warming)	Warming, P	Campuloclinium megacephalum (Mart. ex Baker) R.M.King & H.Rob.	shrub	0
<b>Eupatorium monardifolium Walp.</b>	J. G. Baker (et E. Warming)		Austroeupatorium silphiifolium (Mart.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium oblongifolium (Spreng) Baker (?)</b>	J. G. Baker (et E. Warming)		Stomatanthes oblongifolius (Spreng.) H.Rob.	shrub	0
<b>Eupatorium organense Gardn.</b>	J. G. Baker (et E. Warming)		Barrosoa organensis (Gardner) R.M.King & H.Rob.	shrub	0
<b>Eupatorium oxylepis DC.</b>	J. G. Baker (et E. Warming)		Chromolaena oxylepis (DC.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium pallescens DC.</b>	J. G. Baker (et E. Warming)		Austroeupatorium inulaefolium (Kunth) R.M.King & H.Rob.	shrub	1
<b>Eupatorium pictum Gardn.</b>	J. G. Baker (et E. Warming)		Chromolaena picta (Gardner) R.M.King & H.Rob.	shrub	0
<b>Eupatorium purpurascens Sch.-Bip.</b>	J. G. Baker (et E. Warming)		Campuloclinium purpurascens (Sch.Bip. ex Baker) R.M.King & H.Rob.	shrub	0
<b>Eupatorium pyriform DC.</b>	J. G. Baker (et E. Warming)		Steyermarkina pyriformis (DC.) R.M.King & H.Rob.	vine	0
<b>Eupatorium riedelii Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Campuloclinium riedelii (Baker) R.M.King & H.Rob.	shrub	0
<b>Eupatorium sphaerocephalum Sch.-Bip.</b>	J. G. Baker (et E. Warming)		Sphaereupatorium scandens (Gardner) R.M.King & H.Rob.	shrub	0
<b>Eupatorium squalidum caleoides (Sch.-Bip.) Baker</b>	J. G. Baker (et E. Warming)		Chromolaena squalida (DC.) R.M.King & H.Rob.	shrub	3
<b>Eupatorium squalidum DC.</b>	J. G. Baker (et E. Warming)		Chromolaena squalida (DC.) R.M.King & H.Rob.	shrub	3
<b>Eupatorium squalidum subvelutina (DC.) Baker</b>	J. G. Baker (et E. Warming)		Chromolaena squalida (DC.) R.M.King & H.Rob.	shrub	3
<b>Eupatorium stachyophyllum Spreng.</b>	J. G. Baker (et E. Warming)		Chromolaena stachyophylla (Spreng.) R.M.King & H.Rob.	shrub	0

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<b>Eupatorium steviifolium laetevirens (Hook. et Arn.) Baker</b>	J. G. Baker (et E. Warming)		Hatschbachiella tweedieana (Hook. & Arn.) R.M. King & H. Rob.	shrub	0
<b>Eupatorium trigonum Gardn.</b>	J. G. Baker (et E. Warming)		Stomatanthes trigonus (Gardner) H.Rob.	shrub	0
<b>Eupatorium trixoides Mart.</b>	J. G. Baker (et E. Warming)	Warming, NY	Ayapanopsis oblongifolia (Gardner) R.M.King & H.Rob.	shrub	0
<b>Eupatorium vauthierianum DC.</b>	J. G. Baker (et E. Warming)		Heterocondylus alatus (Vell.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium vauthierianum trichotomum (Sch.-Bip.) Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Heterocondylus alatus (Vell.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium vindex DC.</b>	J. G. Baker (et E. Warming)		Chromolaena vindex (DC.) R.M.King & H.Rob.	shrub	0
<b>Eupatorium vitalbae DC.</b>	J. G. Baker (et E. Warming)		Heterocondylus vitalbae (DC.) R.M.King & H.Rob.	shrub	1
<b>Eupatorium warmingii Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Stomatanthes warmingii (Baker) H.Rob.	shrub	1
<b>Gnaphalium cheiranthifolium gaudichaudianum</b>	J. G. Baker (et E. Warming)		Pseudognaphalium gaudichaudianum (DC.) Anderb.	herb	0
<b>Gnaphalium indicum (Linn)</b>	J. G. Baker (et E. Warming)		Gnaphalium polycaulon Pers.	herb	0
<b>Gnaphalium purpureum filagineum (DC.)</b>	J. G. Baker (et E. Warming)		Gamochaeta purpurea (L.) Cabrera	herb	1
<b>Gnaphalium purpureum spathulatum (Lam.)</b>	J. G. Baker (et E. Warming)		Gamochaeta pensylvanica (Willd.) Cabrera	herb	0
<b>Gnaphalium purpureum spicatum (Lam.) Baker</b>	J. G. Baker (et E. Warming)		Gamochaeta purpurea (L.) Cabrera	herb	1
<b>Hieracium warmingii (Sch. Bip.) Baker</b>	J. G. Baker (et E. Warming)	Warming, P	Hieracium warmingii Baker	herb	0
<b>Ichthyothere cunabi Mart.</b>	J. G. Baker (et E. Warming)		Ichthyothere terminalis (Spreng.) S.F. Blake	herb	0
<b>Ichthyothere rufa Gardn.</b>	J. G. Baker (et E. Warming)		Ichthyothere rufa Gardner	herb	0
<b>Ichthyothere ternifolia Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Ichthyothere ternifolia Baker	herb	0
<b>Isostigma peucedanifolium Less.</b>	J. G. Baker (et E. Warming)		Isostigma peucedanifolium (Spreng.) Less.	herb	3
<b>Jaegeria hirta glabra Baker</b>	J. G. Baker (et E. Warming)		Jaegeria hirta (Lag.) Less.	herb	0
<b>Jaegeria hirta Less.</b>	J. G. Baker (et E. Warming)		Jaegeria hirta (Lag.) Less.	herb	0
<b>Jungia floribunda Less.</b>	J. G. Baker (et E. Warming)		Jungia floribunda Less.	shrub	0
<b>Kanimia oblongifolia (DC.) Baker</b>	J. G. Baker (et E. Warming)		Mikania oblongifolia DC.	shrub	2
<b>Leucopsis scaposa (DC.) Baker</b>	J. G. Baker (et E. Warming)		Inulopsis scaposa (DC.) O.Hoffm.	herb	0
<b>Leucopsis tweediei (Hook et Arn.) Baker</b>	J. G. Baker (et E. Warming)		Leptostelma tweediei (Hook. & Arn.) D.J.N.Hind & G.L.Nesom	herb	0
<b>Leucopsis tweediei pilosa (Hook et Arn.) Baker</b>	J. G. Baker (et E. Warming)		Leptostelma tweediei (Hook. & Arn.) D.J.N.Hind & G.L.Nesom	herb	0
<b>Melampodium divaricatum DC.</b>	J. G. Baker (et E. Warming)		Melampodium divaricatum (Rich. ex Pers.) DC.	shrub	0
<b>Mikania abtusata DC.</b>	J. G. Baker (et E. Warming)		Mikania obtusata DC.	shrub	0

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<b>Mikania argyreiae DC.</b>	J. G. Baker (et E. Warming)		Mikania argyreiae DC.	vine	0
<b>Mikania argyropappa Schultz - Bip.</b>	J. G. Baker (et E. Warming)	Warming, C	Mikania argyropappa Sch.Bip. ex Baker	vine	0
<b>Mikania cordifolia Willd.</b>	J. G. Baker (et E. Warming)		Mikania cordifolia (L.f.) Willd.	vine	0
<b>Mikania glomerata Spreng</b>	J. G. Baker (et E. Warming)		Mikania glomerata Spreng.	vine	0
<b>Mikania hirsutissima DC.</b>	J. G. Baker (et E. Warming)		Mikania hirsutissima DC.	vine	0
<b>Mikania laevis DC.</b>	J. G. Baker (et E. Warming)		Mikania trinervis Hook. & Arn.	vine	0
<b>Mikania ligustrifolia DC.</b>	J. G. Baker (et E. Warming)		Mikania ligustrifolia DC.	vine	0
<b>Mikania linearifolia DC.</b>	J. G. Baker (et E. Warming)		Mikania linearifolia DC.	shrub	0
<b>Mikania microcephala DC.</b>	J. G. Baker (et E. Warming)		Mikania microcephala DC.	shrub	1
<b>Mikania microdonta DC.</b>	J. G. Baker (et E. Warming)		Mikania microdonta DC.	vine	0
<b>Mikania nummularia DC.</b>	J. G. Baker (et E. Warming)		Mikania nummularia DC.	shrub	0
<b>Mikania officinalis DC.</b>	J. G. Baker (et E. Warming)		Mikania officinalis Mart.	shrub	0
<b>Mikania paniculata melastomifolia Sch.-Bip</b>	J. G. Baker (et E. Warming)	Warming, C	Mikania paniculata DC.	vine	0
<b>Mikania pilosa Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Mikania pilosa Baker	vine	0
<b>Mikania pohliana Sch.-Bip.</b>	J. G. Baker (et E. Warming)		Mikania pohliana Sch.Bip. ex Baker	vine	1
<b>Mikania psilostachya DC.</b>	J. G. Baker (et E. Warming)		Mikania psilostachya DC.	vine	0
<b>Mikania retifolia Sch.-Bip.</b>	J. G. Baker (et E. Warming)	Warming, C	Mikania retifolia Sch.Bip.	vine	0
<b>Mikania salviifolia Gard.</b>	J. G. Baker (et E. Warming)		Mikania salviifolia Gardner	vine	2
<b>Mikania scandens cynanchifolia (Hook. et Arn.) Baker</b>	J. G. Baker (et E. Warming)		Mikania cynanchifolia Hook. & Arn. ex B.L.Rob.	vine	0
<b>Mikania scandens subcymosa (Gardn.) Baker</b>	J. G. Baker (et E. Warming)		Mikania micrantha Kunth	vine	0
<b>Mikania scandens typica Willd.</b>	J. G. Baker (et E. Warming)		Mikania microptera DC.	vine	0
<b>Mikania sessilifolia DC.</b>	J. G. Baker (et E. Warming)		Mikania sessilifolia DC.	shrub	1
<b>Mikania smilacina DC.</b>	J. G. Baker (et E. Warming)		Mikania smilacina DC.	vine	0
<b>Mikania vismiifolia DC.</b>	J. G. Baker (et E. Warming)		Mikania vismiifolia DC.	vine	0
<b>Moquinia paniculata DC.</b>	J. G. Baker (et E. Warming)		Moquiniastrum paniculatum (Less.) G. Sancho	shrub	0
<b>Ophryosporus freyreisii (Thunb.) Baker</b>	J. G. Baker (et E. Warming)		Ophryosporus freyreisii (Thunb.) Baker	vine	0
<b>Pectis apodocephala Baker</b>	J. G. Baker (et E. Warming)		Pectis brevipedunculata (Gardner) Sch.Bip.	herb	0
<b>Piptocarpha leprosa (Less.) Baker</b>	J. G. Baker (et E. Warming)		Piptocarpha leprosa (Less.) Baker	shrub	0

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<b>Piptocarpha macropoda Baker</b>	J. G. Baker (et E. Warming)		Piptocarpha macropoda (DC.) Baker	tree	0
<b>Piptocarpha rotundifolia (Less.) Baker</b>	J. G. Baker (et E. Warming)		Piptocarpha rotundifolia (Less.) Baker	tree	1
<b>Pluchea oblongifolia DC.</b>	J. G. Baker (et E. Warming)		Pluchea oblongifolia DC.	shrub	0
<b>Pluchea quitoc DC.</b>	J. G. Baker (et E. Warming)		Pluchea sagittalis (Lam.) Cabrera	shrub	0
<b>Podocoma bellidifolia Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Podocoma bellidifolia Baker	shrub	0
<b>Polymnia siegesbeckia DC.</b>	J. G. Baker (et E. Warming)		Smallanthus siegesbeckius (DC.) H.Rob.	herb	0
<b>Porophyllum lineare DC.</b>	J. G. Baker (et E. Warming)		Porophyllum lanceolatum DC.	shrub	1
<b>Porophyllum martii Baker</b>	J. G. Baker (et E. Warming)		Porophyllum lanceolatum DC.	shrub	1
<b>Porophyllum ruderae Cass.</b>	J. G. Baker (et E. Warming)		Porophyllum ruderae (Jacq.) Cass.	herb	1
<b>Pterocaulon virgatum DC.</b>	J. G. Baker (et E. Warming)		Pterocaulon virgatum (L.) DC.	herb	0
<b>Riencourtia oblongifolia Gardn.</b>	J. G. Baker (et E. Warming)		Riencourtia oblongifolia Gardner	herb	1
<b>Salmeopsis clauseni Bth.</b>	J. G. Baker (et E. Warming)		Salmea scandens (L.) DC.	shrub	0
<b>Senecio brasiliensis Less.</b>	J. G. Baker (et E. Warming)		Senecio brasiliensis (Spreng.) Less.	shrub	0
<b>Senecio goyazensis Gardn.</b>	J. G. Baker (et E. Warming)		Erechtites goyazensis (Gardner) Cabrera	shrub	0
<b>Senecio pohlii Sch.-Bip.</b>	J. G. Baker (et E. Warming)		Senecio pohlii Sch.Bip. ex Baker	shrub	0
<b>Senecio trixoides Gardn.</b>	J. G. Baker (et E. Warming)		Hoehnephytum trixoides (Gardner) Cabrera	shrub	0
<b>Solidago microglossa DC. (?)</b>	J. G. Baker (et E. Warming)		Solidago chilensis Meyen	shrub	0
<b>Spilanthes acmella L.</b>	J. G. Baker (et E. Warming)		Acmella uliginosa (Sw.) Cass.	herb	0
<b>Spilanthes acmella uliginosa Jacq.</b>	J. G. Baker (et E. Warming)		Acmella uliginosa (Sw.) Cass.	herb	0
<b>Spilanthes arnicoides macropoda DC.</b>	J. G. Baker (et E. Warming)		Acmella bellidioides (Sm.) R.K.Jansen	herb	1
<b>Spilanthes urens Jacq.</b>	J. G. Baker (et E. Warming)		Spilanthes urens Jacq.	herb	1
<b>Stevia clauseni Schultz - Bip.</b>	J. G. Baker (et E. Warming)		Stevia clausenii Sch.Bip. ex Baker	shrub	0
<b>Stevia collina Gardn.</b>	J. G. Baker (et E. Warming)		Stevia collina Gardner	shrub	0
<b>Stevia heptachaeta DC.</b>	J. G. Baker (et E. Warming)		Stevia heptachaeta DC.	herb	0
<b>Stevia menthaefolia Schultz - Bip.</b>	J. G. Baker (et E. Warming)		Stevia menthaefolia Sch.Bip.	shrub	0
<b>Stevia veronicae DC.</b>	J. G. Baker (et E. Warming)		Stevia veronicae DC.	shrub	0
<b>Stifftia parviflora D. Don</b>	J. G. Baker (et E. Warming)		Stifftia parviflora (Leandro) D.Don	tree	0
<b>Symphyopappus polystachyus (DC.) Baker</b>	J. G. Baker (et E. Warming)		Symphyopappus compressus (Gardner) B.L.Rob.	shrub	0
<b>Symphyopappus reticulatus Baker</b>	J. G. Baker (et E. Warming)		Symphyopappus reticulatus Baker	shrub	0

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<b>Symphypappus reticulatus itacolumensis Sch.-Bip.</b>	J. G. Baker (et E. Warming)		Symphypappus reticulatus Baker	shrub	0
<b>Tagetes erecta L.</b>	J. G. Baker (et E. Warming)		Tagetes erecta L.	herb	0
<b>Tagetes minuta L.</b>	J. G. Baker (et E. Warming)		Tagetes minuta L.	herb	1
<b>Trichogonia hirtiflora Schultz - Bip.</b>	J. G. Baker (et E. Warming)		Trichogonia hirtiflora (DC.) Sch.Bip. ex Baker	shrub	0
<b>Trichogonia salviifolia Gardn.</b>	J. G. Baker (et E. Warming)		Trichogonia salviifolia Gardner	shrub	1
<b>Trixis divaricata Spreng.</b>	J. G. Baker (et E. Warming)		Trixis antimenorrhoea (Schrank) Mart. ex Kuntze	shrub	0
<b>Trixis glaberrima Less.</b>	J. G. Baker (et E. Warming)		Trixis nobilis (Vell.) Katinas	shrub	0
<b>Trixis glutinosa T. G. Don</b>	J. G. Baker (et E. Warming)		Trixis glutinosa D.Don	shrub	0
<b>Trixis ophiorhiza Gardn.</b>	J. G. Baker (et E. Warming)		Trixis ophiorhiza Gardner	shrub	0
<b>Trixis spicata Gardn.</b>	J. G. Baker (et E. Warming)		Trixis spicata Gardner	shrub	0
<b>Trixis verbasciformis Less.</b>	J. G. Baker (et E. Warming)		Trixis nobilis (Vell.) Katinas	shrub	0
<b>Vanillosmopsis polycephala Schults. - Bip.</b>	J. G. Baker (et E. Warming)		Eremanthus polycephalus (DC.) MacLeish	tree	2
<b>Vernonia ammophila Gardn.</b>	J. G. Baker (et E. Warming)		Lessingianthus ammophilus (Gardner) H.Rob.	tree	0
<b>Vernonia argyrophylla Less.</b>	J. G. Baker (et E. Warming)		Lessingianthus argyrophyllus (Less.) H.Rob.	tree	0
<b>Vernonia argyrotrichia Schultz. - Bip.</b>	J. G. Baker (et E. Warming)		Lepidaploa argyrotricha (Sch.Bip. ex Baker) H.Rob.	shrub	0
<b>Vernonia barbata Less.</b>	J. G. Baker (et E. Warming)		Lepidaploa barbata (Less.) H.Rob.	shrub	0
<b>Vernonia bardanoides Less.</b>	J. G. Baker (et E. Warming)		Lessingianthus bardanoides (Less.) H.Rob.	shrub	0
<b>Vernonia brevipetiolata Schultz. - Bip.</b>	J. G. Baker (et E. Warming)	Warming, C	Lessingianthus brevipetiolatus (Sch.Bip. ex Baker) H.Rob.	shrub	1
<b>Vernonia buddleiaefolia Mart.</b>	J. G. Baker (et E. Warming)		Lessingianthus buddleiaefolius (Mart. ex DC.) H.Rob.	shrub	0
<b>Vernonia coriacea Less.</b>	J. G. Baker (et E. Warming)		Lessingianthus coriaceus (Less.) H.Rob.	shrub	1
<b>Vernonia desertorum campestris (DC.) Baker</b>	J. G. Baker (et E. Warming)		Chrysolana desertorum (Mart. ex DC.) Dematt.	herb	1
<b>Vernonia desertorum Mart.</b>	J. G. Baker (et E. Warming)		Chrysolana desertorum (Mart. ex DC.) Dematt.	herb	1
<b>Vernonia diffusa Less.</b>	J. G. Baker (et E. Warming)		Vernonanthura divaricata (Spreng.) H.Rob.	tree	0
<b>Vernonia dura Mart.</b>	J. G. Baker (et E. Warming)		Lessingianthus durus (Mart. ex DC.) H.Rob.	shrub	1
<b>Vernonia echitifolia Mart.</b>	J. G. Baker (et E. Warming)		Acilepidopsis echitifolia (Mart. ex DC.) H.Rob.	shrub	0
<b>Vernonia elegans Gardn.</b>	J. G. Baker (et E. Warming)		Lessingianthus elegans (Gardner) H.Rob.	shrub	2
<b>Vernonia ferruginea Less.</b>	J. G. Baker (et E. Warming)		Vernonanthura ferruginea (Less.) H.Rob.	shrub	1
<b>Vernonia glomerata Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Lessingianthus bakerianus Dematt.	shrub	0



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<b>Vernonia griseola Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Vernonanthura ferruginea (Less.) H.Rob.	shrub	1
<b>Vernonia ignobilis Less.</b>	J. G. Baker (et E. Warming)		Vernonanthura ignobilis (Less.) H.Rob.	shrub	0
<b>Vernonia lacunosa Mart.</b>	J. G. Baker (et E. Warming)		Lessingianthus lacunosus (Mart. ex DC.) H.Rob.	shrub	0
<b>Vernonia lindbergii vestita Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Vernonanthura lindbergii (Baker) H.Rob.	shrub	2
<b>Vernonia linearis Spreng</b>	J. G. Baker (et E. Warming)		Lessingianthus linearis (Spreng.) H.Rob.	shrub	0
<b>Vernonia macrophylla Less.</b>	J. G. Baker (et E. Warming)		Lessingianthus macrophyllus (Less.) H.Rob.	shrub	0
<b>Vernonia megapotamica Spreng</b>	J. G. Baker (et E. Warming)		Stenocephalum megapotamicum (Spreng.) Sch.Bip.	shrub	1
<b>Vernonia missionis Gard.</b>	J. G. Baker (et E. Warming)		Vernonanthura cymosa (Vell.) H.Rob.	shrub	0
<b>Vernonia mucronulata Less.</b>	J. G. Baker (et E. Warming)		Vernonanthura mucronulata (Less.) H.Rob.	shrub	0
<b>Vernonia muricata DC.</b>	J. G. Baker (et E. Warming)		Lepidaploa muricata (DC.) H.Rob.	shrub	0
<b>Vernonia obovata Less.</b>	J. G. Baker (et E. Warming)		Chrysolaena obovata (Less.) Dematt.	herb	5
<b>Vernonia obtusata ensifolia Mart.</b>	J. G. Baker (et E. Warming)		Lessingianthus obtusatus (Less.) H.Rob.	shrub	0
<b>Vernonia onopordoides Baker</b>	J. G. Baker (et E. Warming)		Lessingianthus onopordoides (Baker) H.Rob.	shrub	0
<b>Vernonia polyanthes Less.</b>	J. G. Baker (et E. Warming)		Vernonanthura phosphorica (Vell.) H.Rob.	shrub	2
<b>Vernonia remotiflora tricholepis Baker</b>	J. G. Baker (et E. Warming)		Lepidaploa remotiflora (Rich.) H.Rob.	herb	2
<b>Vernonia riedelii Schultz. - Bip.</b>	J. G. Baker (et E. Warming)		Lepidaploa eriolepis (Gardner) H.Rob.	shrub	0
<b>Vernonia rosea Mart.</b>	J. G. Baker (et E. Warming)		Lessingianthus roseus (Mart. ex DC.) H.Rob.	shrub	0
<b>Vernonia rubricaulis H. B. K.</b>	J. G. Baker (et E. Warming)		Lessingianthus rubricaulis (Humb. & Bonpl.) H.Rob.	shrub	0
<b>Vernonia ruficoma Schlechtd.</b>	J. G. Baker (et E. Warming)		Vernonanthura membranacea (Gardner) H.Rob.	shrub	0
<b>Vernonia salzmanni DC.</b>	J. G. Baker (et E. Warming)		Lepidaploa salzmannii (DC.) H.Rob.	shrub	0
<b>Vernonia scorpioides Pers.</b>	J. G. Baker (et E. Warming)		Cyrtocymura scorpioides (Lam.) H.Rob.	shrub	1
<b>Vernonia serrata Less.</b>	J. G. Baker (et E. Warming)		Dasyanthina serrata (Less.) H.Rob.	shrub	0
<b>Vernonia simplex Less.</b>	J. G. Baker (et E. Warming)		Chrysolaena simplex (Less.) Dematt.	herb	2
<b>Vernonia squarrosa Less.</b>	J. G. Baker (et E. Warming)		Lessingianthus plantaginodes (Kuntze) H.Rob.	shrub	0
<b>Vernonia stricta Gard.</b>	J. G. Baker (et E. Warming)		Echinocoryne stricta (Gardner) H.Rob.	shrub	0
<b>Vernonia thysoidea Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Vernonanthura cuneifolia (Gardner) H.Rob.	shrub	0
<b>Vernonia varroniaefolia DC.</b>	J. G. Baker (et E. Warming)		Lessingianthus varroniifolius (DC.) H.Rob.	shrub	0
<b>Vernonia vestita Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Lessingianthus vestitus (Baker) H.Rob.	shrub	0
<b>Vernonia virgulata Mart.</b>	J. G. Baker (et E. Warming)		Lessingianthus virgulatus (Mart. ex DC.) H.Rob.	shrub	0

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<b>Vernonia viscidula Less.</b>	J. G. Baker (et E. Warming)		Vernonanthura viscidula (Less.) H.Rob.	shrub	0
<b>Vernonia warmingiana Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Lessingianthus warmingianus (Baker) H.Rob.	shrub	0
<b>Viguiera dissitifolia Baker</b>	J. G. Baker (et E. Warming)		Aldama anchusifolia (DC.) E.E.Schill. & Panero	shrub	0
<b>Viguiera robusta Gardn.</b>	J. G. Baker (et E. Warming)		Aldama robusta (Gardner) E.E.Schill. & Panero	shrub	0
<b>Wedelia macrodonta DC.</b>	J. G. Baker (et E. Warming)		Wedelia macrodonta DC.	shrub	0
<b>Wedelia modesta Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Wedelia modesta Baker	herb	0
<b>Wedelia pilosa Baker</b>	J. G. Baker (et E. Warming)	Warming, C	Sphagneticola brachycarpa (Baker) Pruski	herb	0
<b>Wedelia puberula DC.</b>	J. G. Baker (et E. Warming)		Wedelia puberula DC.	shrub	0
<b>Wulffia stenoglossa DC.</b>	J. G. Baker (et E. Warming)		Tilesia baccata (L.f.) Pruski	shrub	2
<b>Xanthium spinosum L.</b>	J. G. Baker (et E. Warming)		Xanthium spinosum L.	herb	0
<b>Xanthium strumarium L.</b>	J. G. Baker (et E. Warming)		Xanthium strumarium L.	shrub	1
<b>Zinnia multiflora L.</b>	J. G. Baker (et E. Warming)		Zinnia elegans L.	herb	0
<b>Balanophoraceae</b>					
<b>Langsdorffia hypogaea Mart.</b>	E. Warming		Langsdorffia hypogaea Mart.	herb	0
<b>Basellaceae</b>					
<b>Boussingaultia gracilis Miers.</b>	E. Warming		Anredera cordifolia (Ten.) Steenis	vine	0
<b>Begoniaceae</b>					
<b>Begonia cucullata Wild.</b>	E. Warming		Begonia cucullata Willd.	herb	1
<b>Begonia lobata Schott.</b>	E. Warming		Begonia rufa Thunb.	shrub	0
<b>Begonia maculata Raddi.</b>	E. Warming		Begonia maculata Raddi	shrub	0
<b>Begonia uliginosa Kal. Affin.</b>	E. Warming		Begonia fischeri Schrank	shrub	0
<b>Begonia vitifolia Schotte</b>	E. Warming		Begonia reniformis Dryand.	shrub	0
<b>Bignoniaceae</b>					
<b>Adenocalymma bracteatum DC.</b>	Ed. Bureau		Adenocalymma bracteatum (Cham.) DC.	vine	0
<b>Adenocalymma longeracemosum trichocladum Mart.</b>	Ed. Bureau		Adenocalymma trifoliatum (Vell.) R.C.Laroche	vine	0
<b>Anemopaegma mirandum latifolium DC.</b>	Ed. Bureau		Anemopaegma arvense (Vell.) Stellfeld ex de Souza	shrub	2
<b>Anemopaegma mirandum petiolata Bur.</b>	Ed. Bureau	Warming, BR	Anemopaegma arvense (Vell.) Stellfeld ex de Souza	shrub	2
<b>Anemopaegma mirandum puberum (DC.) Bur</b>	Ed. Bureau		Anemopaegma arvense (Vell.) Stellfeld ex de Souza	shrub	2

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<b>Anemopaegma mirandum sessifolium (Mart.) DC.</b>	Ed. Bureau		Anemopaegma arvense (Vell.) Stellfeld ex de Souza	shrub	2
<b>Anemopaegma mirandum verticillatum Bur.</b>	Ed. Bureau		Anemopaegma arvense (Vell.) Stellfeld ex de Souza	shrub	2
<b>Anemopaegma racemosum Mart.</b>	Ed. Bureau		Anemopaegma chamberlaynii (Sims) Bureau & K.Schum.	vine	2
<b>Arrabidaea brachypoda acuminata Bur.</b>	Ed. Bureau		Fridericia platyphylla (Cham.) L.G.Lohmann	shrub	2
<b>Arrabidaea brachypoda attenuata Bur.</b>	Ed. Bureau		Fridericia platyphylla (Cham.) L.G.Lohmann	shrub	2
<b>Arrabidaea brachypoda cuneata Bur.</b>	Ed. Bureau		Fridericia platyphylla (Cham.) L.G.Lohmann	shrub	2
<b>Arrabidaea brachypoda firma Bur.</b>	Ed. Bureau		Fridericia platyphylla (Cham.) L.G.Lohmann	shrub	2
<b>Arrabidaea brachypoda firmula DC.</b>	Ed. Bureau		Fridericia platyphylla (Cham.) L.G.Lohmann	shrub	2
<b>Arrabidaea brachypoda rigida Bur.</b>	Ed. Bureau		Fridericia platyphylla (Cham.) L.G.Lohmann	shrub	2
<b>Arrabidaea clauseni DC.</b>	Ed. Bureau	Warming, C	Fridericia clausenii (DC.) L.G.Lohmann	vine	0
<b>Arrabidaea dichotoma (Vell.) Bur.</b>	Ed. Bureau		Tanaecium selloi (Spreng.) L.G.Lohmann	vine	0
<b>Arrabidaea subfastigiata Bur.</b>	Ed. Bureau	Warming, C	Cuspidaria floribunda (DC.) A.H.Gentry	vine	0
<b>Arrabidaea triplinervia (DC.) H.Bn.</b>	Ed. Bureau		Fridericia triplinervia (Mart. ex DC.) L.G.Lohmann	vine	1
<b>Bignonia exoleta Vell.</b>	Ed. Bureau		Dolichandra unguis-cati (L.) L.G.Lohmann	vine	1
<b>Clytostoma floridum Miers.</b>	Ed. Bureau		Bignonia binata Thunb.	vine	0
<b>Cremastus glutinosus (DC.) Miers</b>	Ed. Bureau		Cuspidaria sceptrum (Cham.) L.G.Lohmann	vine	4
<b>Cremastus glutinosus angustifolius DC.</b>	Ed. Bureau		Cuspidaria sceptrum (Cham.) L.G.Lohmann	vine	4
<b>Cremastus pulcher (Cham.) Bur</b>	Ed. Bureau		Cuspidaria pulchra (Cham.) L.G.Lohmann	shrub	1
<b>Cybistax antisiphilitica Mart.</b>	Ed. Bureau		Cybistax antisiphilitica (Mart.) Mart.	tree	0
<b>Distictis mansoana (DC.) Bur.</b>	Ed. Bureau		Amphilophium mansoanum (DC.) L.G.Lohmann	vine	0
<b>Fridericia speciosa Mart.</b>	Ed. Bureau		Fridericia speciosa Mart.	shrub	0
<b>Jacaranda brasiliana Pers.</b>	Ed. Bureau		Jacaranda brasiliana (Lam.) Pers.	tree	0
<b>Jacaranda caroba DC.</b>	Ed. Bureau		Jacaranda caroba (Vell.) DC.	shrub	1
<b>Jacaranda cuspidifolia Mart.</b>	Ed. Bureau		Jacaranda cuspidifolia Mart.	tree	0
<b>Jacaranda micrantha Cham.</b>	Ed. Bureau		Jacaranda micrantha Cham.	tree	0
<b>Jacaranda mimosifolia Don.</b>	Ed. Bureau		Jacaranda mimosifolia D.Don	tree	0
<b>Jacaranda paucifoliolata Mart.</b>	Ed. Bureau		Jacaranda paucifoliolata Mart. ex DC.	shrub	1
<b>Lundia nitidula DC.</b>	Ed. Bureau		Lundia virginalis DC.	vine	1
<b>Lundia obliqua Sonder.</b>	Ed. Bureau		Lundia obliqua Sond.	vine	0

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<b>Memora laserpitiifolia (Mart.) Miers.</b>	Ed. Bureau		Adenocalymma pedunculatum (Vell.) L.G.Lohmann	shrub	0
<b>Paragonia pyramidata (Rich.) Bur.</b>	Ed. Bureau		Tanaecium pyramidatum (Rich.) L.G.Lohmann	vine	0
<b>Petastoma formosum Bur.</b>	Ed. Bureau	Warming, MO	Fridericia formosa (Bureau) L.G.Lohmann	vine	0
<b>Petastoma samydoides Miers.</b>	Ed. Bureau		Fridericia samydoides (Cham.) L.G.Lohmann	vine	0
<b>Pleonotoma tetraquetra Bur.</b>	Ed. Bureau		Pleonotoma tetraquetra (Cham.) Bureau	vine	0
<b>Pyrostegia ignea Presl.</b>	Ed. Bureau		Pyrostegia venusta (Ker Gawl.) Miers	vine	1
<b>Sparattosperma lithontripticum Mart.</b>	Ed. Bureau		Sparattosperma leucanthum (Vell.) K.Schum.	tree	0
<b>Sparattosperma lithontripticum subtomentosum Bur.</b>	Ed. Bureau		Sparattosperma leucanthum (Vell.) K.Schum.	tree	0
<b>Stenolobium stans pinnatum Seem.</b>	Ed. Bureau		Tecoma stans (L.) Juss. ex Kunth	shrub	1
<b>Stizophyllum perforatum (Cham.) Miers</b>	Ed. Bureau		Stizophyllum perforatum (Cham.) Miers	vine	0
<b>Stizophyllum perforatum dentatum (DC.) Bur</b>	Ed. Bureau		Stizophyllum perforatum (Cham.) Miers	vine	0
<b>Stizophyllum perforatum physaloide (Cham.) Bur</b>	Ed. Bureau		Stizophyllum perforatum (Cham.) Miers	vine	0
<b>Tabebuia caraiba (Mart.) Bur.</b>	Ed. Bureau		Tabebuia aurea (Silva Manso) Benth. & Hook.f. ex S.Moore	tree	6
<b>Tecoma impetiginosa Mart.</b>	Ed. Bureau		Handroanthus impetiginosus (Mart. ex DC.) Mattos	tree	5
<b>Tecoma ochracea Cham.</b>	Ed. Bureau		Handroanthus ochraceus (Cham.) Mattos	tree	5
<b>Thecoma miriantha (Cham.) DC.</b>	Ed. Bureau		Xylophragma myrianthum (Cham. ex Steud.) Sprague	shrub	0
<b>Zeyheria montana Mart.</b>	Ed. Bureau		Zeyheria montana Mart.	tree	1
<b>Zeyheria tuberculosa (Vell.) Bur.</b>	Ed. Bureau		Zeyheria tuberculosa (Vell.) Bureau ex Verl.	tree	0
<b>Bixaceae</b>					
<b>Cochlospermum insigne St. Hil.</b>	A. W. Eichler		Cochlospermum regium (Mart. ex Schrank) Pilg.	shrub	2
<b>Boraginaceae</b>					
<b>Cordia calocephala Cham.</b>	E. Warming		Varronia calocephala (Cham.) Friesen	shrub	0
<b>Cordia campestris Wrmg.</b>	E. Warming	Warming, C	Varronia campestris (Warm.) Borhidi	shrub	0
<b>Cordia chamissoniana Steud.</b>	E. Warming		Cordia trichotoma (Vell.) Arráb. ex Steud.	tree	1
<b>Cordia coffeoides Wrmg.</b>	E. Warming	Warming, M	Cordia ecalyculata Vell.	tree	0
<b>Cordia curassavica Auctor.</b>	E. Warming		Varronia curassavica Jacq.	shrub	2
<b>Cordia lapensis Wrmg.</b>	E. Warming	Warming, C	Varronia polycephala Lam.	shrub	0
<b>Cordia obscura Cham.</b>	E. Warming		Cordia sellowiana Cham.	tree	0

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<b>Cordia salzmanni DC.</b>	E. Warming		Varronia polycephala Lam.	shrub	0
<b>Cordia superba cuneata Cham.</b>	E. Warming		Cordia superba Cham.	tree	1
<b>Cordia urticifolia Cham.</b>	E. Warming		Varronia urticifolia (Cham.) J.S.Mill.	shrub	0
<b>Heliophytum elongatum (Lehm) DC.</b>	E. Warming		Heliotropium elongatum (Lehm.) I.M.Johnst.	shrub	0
<b>Heliophytum indicum (Linn.) DC.</b>	E. Warming		Heliotropium indicum L.	herb	0
<b>Heliophytum monostachyum (Cham.) Alph. DC.</b>	E. Warming		Heliotropium transalpinum Vell.	shrub	0
<b>Schleidenia clauseni (Alph. DC.) Fresen.</b>	E. Warming		Euploca salicoides (Cham.) J.I.M.Melo & Semir	shrub	0
<b>Schleidenia inundata (Swartz) Fresen.</b>	E. Warming		Euploca procumbens (Mill.) Diane & Hilger	shrub	1
<b>Schleidenia lagoensis Wrmg.</b>	E. Warming	Warming, C	Euploca lagoensis (Warm.) Diane & Hilger	herb	0
<b>Schleidenia longepetiolata Fresen</b>	E. Warming		Euploca procumbens (Mill.) Diane & Hilger	shrub	1
<b>Schleidenia subracemosa Wrmg.</b>	E. Warming	Warming, C	Euploca salicoides (Cham.) J.I.M.Melo & Semir	shrub	0
<b>Tournefortia elegans Cham.</b>	E. Warming		Myriopus paniculatus (Cham.) Feuillet	shrub	0
<b>Tournefortia laevigata Lam.</b>	E. Warming		Tournefortia bicolor Sw.	shrub	0
<b>Tournefortia pohlii Fresen</b>	E. Warming		Tournefortia villosa Salzm. ex DC.	shrub	0
<b>Tournefortia rubicunda Salzm.</b>	E. Warming		Myriopus rubicundus (Salzm. ex DC.) Luebert	shrub	0
<b>Brassicaceae</b>					
<b>Lepidium ruderae Linn.</b>	A. W. Eichler		Lepidium ruderae L.	herb	0
<b>Nasturtium officinale R. Br.</b>	A. W. Eichler		Sisymbrium officinale (L.) Scop.	herb	0
<b>Senebiera pinnatifida DC.</b>	A. W. Eichler		Coronopus didymus (L.) Sm.	herb	0
<b>Sinapis juncea Linn.</b>	A. W. Eichler		Brassica juncea (L.) Czern.	herb	0
<b>Bromeliaceae</b>					
<b>Aechmea tinctoria Mez (?)</b>	Mez, C.		Aechmea bromeliifolia (Rudge) Baker	herb	1
<b>Annanassa sativus bracteatus Lindl.</b>	Mez, C.		Ananas bracteatus (Lindl.) Schult. & Schult.f.	herb	0
<b>Annanassa sativus Schult.</b>	Mez, C.		Ananas comosus (L.) Merrill	herb	0
<b>Billbergia porteaana Brogn.</b>	Mez, C.		Billbergia porteaana Brogn. ex Beer	herb	0
<b>Bromelia fastuosa Lindl.*</b>	Mez, C.		Bromelia fastuosa Lindl.	herb	1
<b>Dyckia lagoensis Mez.</b>	Mez, C.	Warming, C	Dyckia lagoensis Mez.	herb	0
<b>Dyckia warmingii Mez.</b>	Mez, C.	Warming, C	Dyckia warmingii Mez.	herb	0
<b>Tillandsia usneoides L.</b>	Mez, C.		Tillandsia usneoides (L.) L.	epiphyte	0

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<b>Burmanniaceae</b>					
<i>Burmannia bicolor</i> Mart.	Seubert, M.	Warming ?, C	<i>Burmannia bicolor</i> Mart.	herb	1
<i>Burmannia flava</i> Mart.	Seubert, M.		<i>Burmannia flava</i> Mart.	herb	2
<b>Burseraceae</b>					
<i>Protium almecega</i> L. March	Leon Marchand	Warming, C	<i>Protium spruceanum</i> (Benth.) Engl.	tree	0
<i>Protium heptaphyllum</i> L. March	Leon Marchand		<i>Protium heptaphyllum</i> (Aubl.) Marchand	tree	3
<i>Protium icicariba</i> L. March	Leon Marchand		<i>Protium icicariba</i> (DC.) Marchand	tree	0
<i>Protium warmingianum</i> L. March	Leon Marchand		<i>Protium warmingianum</i> Marchand	tree	0
<b>Cabombaceae</b>					
<i>Cabomba warmingii</i> Casp.	R. Caspary	Warming, C	<i>Cabomba furcata</i> Schult. & Schult.f.	herb	1
<b>Cactaceae</b>					
<i>Cereus coerulescens</i> Salm. Dyck.	E. Warming		<i>Cereus jamacaru</i> DC.	tree	0
<i>Cereus macrogonus</i> Salm. Dyck. (?)	E. Warming		<i>Pilosocereus arrabidaei</i> (Lem.) Byles & Rowley	shrub	0
<i>Cereus setaceus</i> Salm. Dyck.	E. Warming		<i>Hylocereus setaceus</i> (Salm-Dyck) R.Bauer	vine	0
<i>Epiphyllum phyllanthus</i> Haw.	E. Warming		<i>Epiphyllum phyllanthus</i> (L.) Haw.	epiphyte	0
<i>Opuntia monacantha</i> Willd.	E. Warming		<i>Opuntia monacantha</i> Haw.	shrub	0
<i>Peireskia aculeata</i> Plum.	E. Warming		<i>Pereskia aculeata</i> Mill.	vine	0
<i>Rhipsalis lindbergiana</i> K.Schum.	E. Warming		<i>Rhipsalis lindbergiana</i> K.Schum.	epiphyte	1
<i>Rhipsalis saglionis</i> Otto.	E. Warming		<i>Rhipsalis cereuscula</i> Haw.	epiphyte	0
<i>Rhipsalis warmingiana</i> K.Schum.	E. Warming		<i>Lepismium warmingianum</i> (K.Schum.) Barthlott	epiphyte	0
<b>Calophyllaceae</b>					
<i>Calophyllum brasiliense</i> Camb.	A. Eugler		<i>Calophyllum brasiliense</i> Cambess.	tree	1
<i>Calophyllum brasiliense elongatum</i> Engl.	A. Eugler	Warming, C	<i>Calophyllum brasiliense</i> Cambess.	tree	1
<i>Kielmeyera coriacea</i> Mart.	H. Warra		<i>Kielmeyera coriacea</i> Mart. & Zucc.	shrub	3
<i>Kielmeyera coriacea oblonga</i> (Pohl.) Fl.Br.	H. Warra		<i>Kielmeyera coriacea</i> Mart. & Zucc.	shrub	3
<i>Kielmeyera corymbosa</i> Mart.	H. Warra		<i>Kielmeyera corymbosa</i> Mart. & Zucc.	shrub	1
<i>Kielmeyera petiolaris</i> Mart.	H. Warra		<i>Kielmeyera petiolaris</i> Mart.	tree	0
<i>Kielmeyera pumila</i> Pohl	H. Warra		<i>Kielmeyera pumila</i> Pohl	shrub	0
<i>Kielmeyera rubriflora</i> Cambess.	H. Warra		<i>Kielmeyera rubriflora</i> Cambess.	tree	0

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<b>Kielmeyera variabilis Mart.</b>	H. Warra		Kielmeyera variabilis Mart. & Zucc.	shrub	0
<b>Campanulaceae</b>					
<b>Haynaldia uranocoma (Cham.) Kanitz</b>	A. Kanitz		Lobelia fistulosa Vell.	herb	0
<b>Lobelia camporum lundiana Pohl</b>	A. Kanitz		Lobelia camporum Pohl	herb	0
<b>Lobelia camporum Pohl</b>	A. Kanitz		Lobelia camporum Pohl	herb	0
<b>Siphocampylus corymbiferus Pohl</b>	A. Kanitz		Siphocampylus corymbiferus Pohl	shrub	0
<b>Siphocampylus macropodus (Thunb.)</b>	A. Kanitz		Siphocampylus macropodus (Thunb.) G.Don	shrub	0
<b>Cannabaceae</b>					
<b>Celtis brasiliensis (Gardn.) Miq.</b>	E. Warming		Celtis pubescens (Kunth) Spreng.	shrub	1
<b>Sponia micrantha L. Decsn.</b>	E. Warming		Trema micrantha (L.) Blume	tree	0
<b>Cannaceae</b>					
<b>Canna coccinea Aiton</b>	Petersen, O. G.		Canna indica L.	herb	0
<b>Canna warszewiczii Dietr.</b>	Petersen, O. G.		Canna indica L.	herb	0
<b>Caprifoliaceae</b>					
<b>Valeriana candolleana Gardn.</b>	Th. O. B. N. Krok		Valeriana scandens L.	vine	0
<b>Valeriana scandens (L.) Kunth</b>	Th. O. B. N. Krok		Valeriana scandens L.	vine	0
<b>Cardiopteridaceae</b>					
<b>Villaresia congonha pugens Miers</b>	A. Eugler		Citronella mucronata (Ruiz & Pav.) D.Don	tree	0
<b>Villaresia megaphylla obtusifolia Engl.</b>	A. Eugler	Warming, C	Citronella paniculata (Mart.) R.A.Howard	tree	0
<b>Caricaceae</b>					
<b>Jacaratia actinophylla Pohl. (?)</b>	Solms Laubach.		Jacaratia spinosa (Aubl.) A.DC.	tree	0
<b>Jacaratia dodecaphylla A. DC.</b>	Solms Laubach.		Jacaratia spinosa (Aubl.) A.DC.	tree	0
<b>Caryocaraceae</b>					
<b>Caryocar brasiliense Cambess.</b>	E. Warming		Caryocar brasiliense Cambess.	tree	5
<b>Celastraceae</b>					
<b>Hippocratea ovata Lam.</b>	J. Peyristsch		Hippocratea volubilis L.	vine	0
<b>Hippocratea warmingii Peyr.</b>	J. Peyristsch		Semialarium paniculatum (Mart. ex Schult.) N.Hallé	vine	0
<b>Maytenus aquifolium Mart.</b>	E. Warming		Maytenus aquifolia Mart.	tree	0
<b>Maytenus floribunda parvifolia Warmg.</b>	E. Warming		Maytenus floribunda Reissek	tree	0

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<b>Maytenus floribunda</b> Reiss.	E. Warming		Maytenus floribunda Reissek	tree	0
<b>Maytenus lagoensis</b> Warmg.	E. Warming	Warming, C	Maytenus gonoclada Mart.	tree	2
<b>Maytenus pseudocasearia</b> Reiss.	E. Warming		Maytenus evonymoides Reissek	tree	0
<b>Maytenus salicifolia</b> Reiss.	E. Warming		Maytenus gonoclada Mart.	tree	2
<b>Plenckia populnea angustifolia</b> Reiss.	E. Warming		Plenckia populnea Reissek	tree	0
<b>Plenckia populnea ovata</b> Reiss.	E. Warming		Plenckia populnea Reissek	tree	0
<b>Plenckia populnea</b> Reiss.	E. Warming		Plenckia populnea Reissek	tree	0
<b>Salacia campestris</b> Walp.	J. Peyristsch		Peritassa campestris (Cambess.) A.C.Sm.	shrub	1
<b>Salacia cognata (Miers)</b> Peyr.	J. Peyristsch		Cheiloclinium cognatum (Miers) A.C.Sm.	shrub	0
<b>Salacia lacunosa (Miers)</b> Peyr.	J. Peyristsch		Salacia elliptica (Mart. ex Schult.) G.Don	tree	0
<b>Salacia laxiflora (Benth.)</b> Peyr.	J. Peyristsch		Tontelea laxiflora (Benth.) A.C.Sm.	shrub	0
<b>Salacia micrantha (Mart.)</b> Peyr.	J. Peyristsch		Tontelea micrantha (Mart. ex Schult.) A.C.Sm.	shrub	3
<b>Salacia serrata</b> Camb.	J. Peyristsch		Cheiloclinium serratum (Cambess.) A.C.Sm.	vine	0
<b>Chloranthaceae</b>					
<b>Hedyosmum brasiliense</b> Mart.	E. Warming		Hedyosmum brasiliense Mart. ex Miq.	tree	0
<b>Chrysobalanaceae</b>					
<b>Couepia grandiflora</b> Bth.	E. Warming		Couepia grandiflora (Mart. & Zucc.) Benth.	tree	2
<b>Hirtella americana hexandra</b> Aubl.	E. Warming		Hirtella racemosa Lam.	tree	0
<b>Hirtella glandulosa</b> Spreng.	E. Warming		Hirtella glandulosa Spreng.	tree	0
<b>Moquilea utilis</b> Hood. Fil	E. Warming		Licania octandra (Hoffmanns. ex Roem. & Schult.) Kuntze	tree	0
<b>Cleomaceae</b>					
<b>Cleome gigantea</b> Linn.	A. W. Eichler		Cleome viridiflora Schreb.	shrub	0
<b>Cleome psoraleifolia</b> DC.	A. W. Eichler		Cleome parviflora Kunth	shrub	0
<b>Cleome spinosa pungens</b> Eichl.	A. W. Eichler		Tarenaya spinosa (Jacq.) Raf.	shrub	1
<b>Cleome spinosa spinosa</b> Eichl.	A. W. Eichler		Tarenaya spinosa (Jacq.) Raf.	shrub	1
<b>Clethraceae</b>					
<b>Clethra brasiliensis reticulata</b> Meisn.			Clethra scabra Pers.	tree	2
<b>Clusiaceae</b>					
<b>Clusia cambessedii</b> Pl. et Triana	A. Eugler		Clusia criuva Cambess.	tree	1



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<i>Clusia sellowiana</i> Schlechtd. (?)	A. Eugler		<i>Clusia sellowiana</i> Schltld.	tree	1
<b>Combretaceae</b>					
<i>Combretum erianthum</i> ? Benth.	A. W. Eichler		<i>Combretum formosum</i> G. Don	shrub	0
<i>Combretum jacquinii brasiliense</i> Eichl.	A. W. Eichler		<i>Combretum laxum</i> Jacq.	shrub	0
<i>Combretum loefingii</i> Eichler	A. W. Eichler		<i>Combretum fruticosum</i> (Loefl.) Stuntz	shrub	1
<i>Terminalia argentea</i> Mart. et Zucc.	A. W. Eichler		<i>Terminalia argentea</i> Mart.	tree	4
<i>Terminalia brasiliensis</i> Camb.	A. W. Eichler		<i>Terminalia glabrescens</i> Mart.	tree	0
<i>Terminalia fagifolia</i> Mart. et Zucc.	A. W. Eichler		<i>Terminalia fagifolia</i> Mart.	tree	0
<i>Terminalia glabrescens</i> Mar.	A. W. Eichler		<i>Terminalia glabrescens</i> Mart.	tree	0
<i>Terminalia hyglobates</i> Eichl.	A. W. Eichler	Warming, C	<i>Terminalia phaeocarpa</i> Eichler	tree	1
<b>Commelinaceae</b>					
<i>Aneilema brasiliense</i> Clarke.	Seubert, M. corr. Clarke.		<i>Aneilema brasiliense</i> C.B.Clarke	herb	0
<i>Aneilema ovato-oblonga</i> (Beauv.) Clarke.	Seubert, M. corr. Clarke.		<i>Aneilema umbrosum</i> (Vahl) Kunth	herb	0
<i>Commelina erecta</i> L.	Seubert, M. corr. Clarke.		<i>Commelina erecta</i> L.	herb	2
<i>Commelina nudiflora</i> L.	Seubert, M. corr. Clarke.		<i>Murdannia nudiflora</i> (L.) Brenan	herb	1
<i>Commelina parviflora</i> Link (?)*	Seubert, M. corr. Clarke.		<i>Commelina parviflora</i> Link (?)	herb	0
<i>Commelina robusta</i> Kunth.	Seubert, M. corr. Clarke.		<i>Commelina obliqua</i> Vahl	herb	0
<i>Commelina schomburgkiana</i> Klotzsch.	Seubert, M. corr. Clarke.		<i>Commelina schomburgkiana</i> Klotzsch	herb	0
<i>Commelina virginea villosa</i> L.	Seubert, M. corr. Clarke.		<i>Commelina erecta</i> L.	herb	2
<i>Commelina virginica</i> L.	Seubert, M. corr. Clarke.		<i>Commelina virginica</i> L.	herb	1
<i>Dichorisandra alba</i> Seub. & Wrmg.	Seubert, M. corr. Clarke.		<i>Dichorisandra incurva</i> Mart. ex Schult.f.	vine	0
<i>Dichorisandra aubletiana affinis</i> Rom & Schult.	Seubert, M. corr. Clarke.		<i>Dichorisandra hexandra</i> (Aubl.) Kuntze ex Hand.-Mazz.	vine	1
<i>Dichorisandra aubletiana intermedia</i> Mart.	Seubert, M. corr. Clarke.		<i>Dichorisandra hexandra</i> (Aubl.) Kuntze ex Hand.-Mazz.	vine	1
<i>Dichorisandra aubletiana</i> Rom & Schult.	Seubert, M. corr. Clarke.		<i>Dichorisandra hexandra</i> (Aubl.) Kuntze ex Hand.-Mazz.	vine	1
<i>Dichorisandra penduliflora</i> Kth.	Seubert, M. corr. Clarke.		<i>Dichorisandra penduliflora</i> Kunth	herb	0
<i>Dichorisandra pubescens</i> Mart.	Seubert, M. corr. Clarke.		<i>Dichorisandra pubescens</i> Mart. ex Schult & Schult.f.	herb	0
<i>Dichorisandra villosula</i> Mart.	Seubert, M. corr. Clarke.		<i>Dichorisandra villosula</i> Mart. ex Schult & Schult.f.	herb	0
<i>Floscopa glabrata</i> Hassk.	Seubert, M. corr. Clarke.		<i>Floscopa glabrata</i> (Kunth) Hassk.	herb	0

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<b>Phaeospherion persicariaefolium scabratum</b> Clarke.	Seubert, M. corr. Clarke.		Commelina obliqua Vahl	herb	0
<b>Tinantia fugax</b> Scheidw.	Seubert, M. corr. Clarke.		Tinantia erecta (Jacq.) Fenzl	herb	0
<b>Tradescantia elongata diuretica (Mart.)</b> Clarke.	Seubert, M. corr. Clarke.		Tripogandra diuretica (Mart.) Handlos	herb	0
<b>Tradescantia elongata</b> Meyer, G. F. W.	Seubert, M. corr. Clarke.		Tripogandra serrulata (Vahl) Handlos	herb	1
<b>Tradescantia geniculata</b> Jacq.	Seubert, M. corr. Clarke.		Gibasis geniculata (Jacq.) Rohweder	herb	0
<b>Tradescantia warmingiana</b> Seub.	Seubert, M. corr. Clarke.	Warming, C	Tripogandra warmingiana (Seub.) Handlos	herb	0
<b>Connaraceae</b>					
<b>Connarus cymosus var. angustifolius</b> Baker	J.G. Baker		Connarus rostratus (Vell.) L.B.Sm.	tree	0
<b>Connarus suberosus</b> Planch.	J.G. Baker		Connarus suberosus Planch.	tree	3
<b>Rourea induta</b> Planch.	J.G. Baker		Rourea induta Planch.	tree	3
<b>Rourea martiana</b> Baker	J.G. Baker	Warming, P	Rourea cnestidifolia G. Schellenb.	shrub	0
<b>Convolvulaceae</b>					
<b>Cuscuta incurvata</b> Prog.	Aug. Progel et C.F. Meissner	Warming, C	Cuscuta incurvata Progel	parasite	0
<b>Cuscuta partita</b> Choisy.	Aug. Progel et C.F. Meissner		Cuscuta partita Choisy	parasite	0
<b>Evolvulus filipes</b> Mart.	Aug. Progel et C.F. Meissner		Evolvulus filipes Mart.	herb	0
<b>Evolvulus glometatus strigosus</b> Choisy (?)	Aug. Progel et C.F. Meissner		Evolvulus glometatus Nees & Mart.	shrub	0
<b>Evolvulus holosericeus</b> H.B.K.	Aug. Progel et C.F. Meissner		Evolvulus sericeus Sw.	herb	1
<b>Evolvulus lagopodioides</b> Meisn.	Aug. Progel et C.F. Meissner		Evolvulus lagopodioides Meisn.	herb	0
<b>Evolvulus macroblepharis</b> Mart.	Aug. Progel et C.F. Meissner		Evolvulus macroblepharis Mart.	herb	1
<b>Evolvulus martii</b> Meisn.	Aug. Progel et C.F. Meissner		Evolvulus comosus Ooststr.	herb	0
<b>Evolvulus nummularius var. emarginatus</b> Meisn.	Aug. Progel et C.F. Meissner	Warming, C	Evolvulus pohlii Meisn.	herb	0
<b>Evolvulus sericeus</b> Swartz.	Aug. Progel et C.F. Meissner		Evolvulus sericeus Sw.	herb	1
<b>Evolvulus serpylloides</b> Meisn.	Aug. Progel et C.F. Meissner		Evolvulus serpylloides Meisn.	herb	0
<b>Ipomoea albiflora</b> Moric.	Aug. Progel et C.F. Meissner		Merremia digitata (Spreng.) Hallier f.	shrub	0
<b>Ipomoea angustifolia</b> Choisy.	Aug. Progel et C.F. Meissner		Ipomoea aprica House	shrub	0
<b>Ipomoea batatoides</b> Choisy.	Aug. Progel et C.F. Meissner		Ipomoea batatoides Choisy	vine	0
<b>Ipomoea bona-nox</b> L.	Aug. Progel et C.F. Meissner		Ipomoea alba L.	vine	0
<b>Ipomoea calycina</b> Meisn.	Aug. Progel et C.F. Meissner	Warming, C	Merremia calycina (Meisn.) Hallier f.	vine	0

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<b>Ipomoea campestris Meisn.</b>	Aug. Progel et C.F. Meissner		Ipomoea campestris Meisn.	shrub	0
<b>Ipomoea cissoides integrifolia Meisn.</b>	Aug. Progel et C.F. Meissner	Warming, BR	Merremia cissoides (Lam.) Hallier f.	vine	0
<b>Ipomoea cissoides viscidula Griseb.</b>	Aug. Progel et C.F. Meissner		Merremia cissoides (Lam.) Hallier f.	vine	0
<b>Ipomoea coccinea L.</b>	Aug. Progel et C.F. Meissner		Ipomoea coccinea L.	vine	0
<b>Ipomoea cuneifolia var.acutifolia Meisn.</b>	Aug. Progel et C.F. Meissner	Warming, C	Ipomoea cuneifolia Meisn.	shrub	0
<b>Ipomoea cynanchifolia Meisn.</b>	Aug. Progel et C.F. Meissner	Warming, BR	Ipomoea cynanchifolia Meisn.	vine	0
<b>Ipomoea echinocalix Meisn.</b>	Aug. Progel et C.F. Meissner		Ipomoea echinocalyx Meisn.	vine	0
<b>Ipomoea elegans Meisn.</b>	Aug. Progel et C.F. Meissner		Ipomoea patula Choisy	vine	0
<b>Ipomoea glabra Choisy</b>	Aug. Progel et C.F. Meissner		Merremia macrocalyx (Ruiz & Pav.) O'Donell	vine	0
<b>Ipomoea haenkeana Choisy</b>	Aug. Progel et C.F. Meissner	Warming, C	Ipomoea haenkeana Choisy	shrub	0
<b>Ipomoea jamaicensis var.glabrata G. Don.</b>	Aug. Progel et C.F. Meissner		Ipomoea indica (Burm.f.) Merr.	vine	0
<b>Ipomoea martii Meisn.</b>	Aug. Progel et C.F. Meissner		Turbina cordata (Choisy) D.F.Austin & Staples	vine	0
<b>Ipomoea peckolti Meisn.</b>	Aug. Progel et C.F. Meissner		Ipomoea aristolochiifolia G.Don	vine	0
<b>Ipomoea peckolti var.(?)major Meisn.</b>	Aug. Progel et C.F. Meissner		Ipomoea aristolochiifolia G.Don	vine	0
<b>Ipomoea pentaphylla Jacq.</b>	Aug. Progel et C.F. Meissner		Merremia aegyptia (L.) Urb.	vine	0
<b>Ipomoea polymorpha var.heteromorpha Riedel</b>	Aug. Progel et C.F. Meissner		Ipomoea delphinioides Choisy	shrub	0
<b>Ipomoea prostrata Meisn.</b>	Aug. Progel et C.F. Meissner	Warming, C	Jacquemontia warmingii O'Donell	vine	0
<b>Ipomoea regnellii Meisn.</b>	Aug. Progel et C.F. Meissner	Warming, C	Ipomoea regnellii Meisn.	vine	0
<b>Ipomoea tomentosa Pohl. (?)</b>	Aug. Progel et C.F. Meissner		Merremia tomentosa (Choisy) Hallier f.	shrub	5
<b>Ipomoea tubata Ness</b>	Aug. Progel et C.F. Meissner		Ipomoea tubata Nees	vine	0
<b>Ipomoea umbellata Meyer</b>	Aug. Progel et C.F. Meissner		Merremia umbellata (L.) Hallier f.	vine	0
<b>Ipomoea villosa (Choisy) Meisn.</b>	Aug. Progel et C.F. Meissner		Ipomoea argentea Meisn.	shrub	0
<b>Ipomoea virgata var.paniculata Meisn.</b>	Aug. Progel et C.F. Meissner		Ipomoea virgata Meisn.	shrub	0
<b>Ipomoea warmingii Meisn.</b>	Aug. Progel et C.F. Meissner	Warming, C	Ipomoea regnellii Meisn.	vine	0
<b>Jacquemontia bracteosa Meisn.</b>	Aug. Progel et C.F. Meissner	Warming, BR	Jacquemontia bracteosa Meisn.	vine	0
<b>Jacquemontia eriocephala (Moric.) Meisn.</b>	Aug. Progel et C.F. Meissner		Odonellia eriocephala (Moric.) K.R.Robertson	vine	0
<b>Jacquemontia evolvuloides var.brevipedunculata Meisn.</b>	Aug. Progel et C.F. Meissner	Warming, C	Jacquemontia evolvuloides Meisn.	vine	0
<b>Jacquemontia hirsuta Choisy</b>	Aug. Progel et C.F. Meissner		Jacquemontia sphaerostigma (Cav.) Rusby	vine	1

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<b>Jacquemontia martii Choisy</b>	Aug. Progel et C.F. Meissner		Jacquemontia martii Choisy	vine	0
<b>Jacquemontia rufo-velutina Meisn.</b>	Aug. Progel et C.F. Meissner	Warming, P	Jacquemontia lasiocladus (Choisy) O'Donell	shrub	0
<b>Jacquemontia violacea densiflora Meisn.</b>	Aug. Progel et C.F. Meissner	Warming, BR	Jacquemontia densiflora (Meisn.) Hallier f.	vine	0
<b>Costaceae</b>					
<b>Costus spiralis Rosc.</b>	O. G. Petersen		Costus spiralis (Jacq.) Roscoe	herb	0
<b>Costus warmingii O.G. Petersen</b>	O. G. Petersen	Warming, C	Chamaecostus subsessilis (Nees & Mart.) C.D.Specht & D.W.Stev.	herb	3
<b>Crassulaceae</b>					
<b>Bryophyllum calycinum Salisb.</b>	A. W. Eichler		Kalanchoe pinnata (Lam.) Pers.	herb	0
<b>Cucurbitaceae</b>					
<b>Anguria warmingiana Cogn.</b>	A. Cogniaux	Warming, C	Psiguria umbrosa (Kunth) C.Jeffrey	vine	0
<b>Ceratosanthes hilariana Cogn.</b>	A. Cogniaux		Ceratosanthes hilariana Cogn.	vine	0
<b>Ceratosanthes tomentosa Cogn.</b>	A. Cogniaux	Warming, C	Ceratosanthes tomentosa Cogn.	vine	0
<b>Ceratosanthes tomentosa var.subnuda Cogn.</b>	A. Cogniaux	Warming, C	Ceratosanthes tomentosa Cogn.	vine	0
<b>Ceratosanthes warmingii Cogn.</b>	A. Cogniaux	Warming, C	Ceratosanthes warmingii Cogn.	vine	0
<b>Citrullus colocynthis Schrad.</b>	A. Cogniaux		Citrullus colocynthis (L.) Schrad.	vine	0
<b>Citrullus vulgaris Schrad.</b>	A. Cogniaux		Citrullus lanatus (Thunb.) Matsum. & Nakai	vine	0
<b>Cyclanthera elegans Cogn.</b>	A. Cogniaux		Cyclanthera tenuisepala Cogn.	vine	0
<b>Fevillea trilobata L.</b>	A. Cogniaux		Fevillea trilobata L.	vine	0
<b>Gurania pseudospinulosa Cogn.</b>	A. Cogniaux	Warming, C	Gurania pseudo-spinulosa Cogn.	vine	0
<b>Gurania spinulosa Cogn.</b>	A. Cogniaux		Gurania lobata (L.) Pruski	vine	0
<b>Melancium campestre grandiflora Cogn.</b>	A. Cogniaux		Melancium campestre Cogn.	herb	0
<b>Melothria cucumis Vell.</b>	A. Cogniaux		Melothria cucumis Vell.	vine	0
<b>Melothria fluminensis Gardn.</b>	A. Cogniaux		Melothria pendula L.	vine	0
<b>Melothria warmingii Cogn.</b>	A. Cogniaux	Warming, C	Melothria warmingii Cogn.	vine	0
<b>Momordica charantia L.</b>	A. Cogniaux		Momordica charantia L.	vine	2
<b>Perianthopodus espelina Manso</b>	A. Cogniaux		Cayaponia espelina (Silva Manso) Cogn.	vine	0
<b>Sicyos warmingii Cogn.</b>	A. Cogniaux	Warming, C	Sicyos warmingii Cogn.	vine	0
<b>Trianosperma floribunda Cogn.</b>	A. Cogniaux		Cayaponia floribunda (Cogn.) Cogn.	vine	0

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<b>Trianosperma gracillima Cogn.</b>	A. Cogniaux	Warming, BR	Cayaponia gracillima (Cogn.) Cogn.	vine	0
<b>Trianosperma tayuya Mart.</b>	A. Cogniaux		Cayaponia tayuya (Vell.) Cogn.	vine	0
<b>Wilbrandia hibiscoides var.angustiloba Cogn.</b>	A. Cogniaux	Warming, C	Wilbrandia hibiscoides Silva Manso	vine	1
<b>Wilbrandia hibiscoides var.latiloba Cogn.</b>	A. Cogniaux	Warming, C	Wilbrandia hibiscoides Silva Manso	vine	1
<b>Wilbrandia hibiscoides Manso</b>	A. Cogniaux		Wilbrandia hibiscoides Silva Manso	vine	1
<b>Cunoniaceae</b>					
<b>Belangeria tomentosa Camb.</b>	A. Engler		Lamanonia ternata Vell.	tree	0
<b>Cyperaceae</b>					
<b>Carex bonariensis Destont.</b>	O. Bockeler		Carex bonariensis Desf. Ex Poir.	herb	0
<b>Carex polysticha Bcklr.</b>	O. Bockeler	Warming, C	Carex polysticha Boeckeler	herb	0
<b>Carex wahlenbergiana Boot.</b>	O. Bockeler		Carex humboldtiana Steud.	herb	0
<b>Cyperus adenophorus aphyllus Bcklr.</b>	O. Bockeler		Cyperus haspan L.	herb	1
<b>Cyperus cylindrostachys elatior Bcklr.</b>	O. Bockeler		Cyperus cylindrostachyus Boeckeler	herb	0
<b>Cyperus dichromenae-formis Kunth.</b>	O. Bockeler		Cyperus dichromeniformis Kunth	herb	0
<b>Cyperus elegans Vahl.</b>	O. Bockeler		Cyperus laxus Lam.	herb	2
<b>Cyperus flavus Bcklr.</b>	O. Bockeler		Cyperus aggregatus (Willd.) Endl.	herb	2
<b>Cyperus giganteus Vahl.</b>	O. Bockeler		Cyperus giganteus Vahl	herb	1
<b>Cyperus haspan americanus Bcklr.</b>	O. Bockeler		Cyperus haspan L.	herb	1
<b>Cyperus incompletus Link.</b>	O. Bockeler		Cyperus hermaphroditus (Jacq.) Standl.	herb	0
<b>Cyperus martianus Schrad.</b>	O. Bockeler		Cyperus friburgensis Boeckeler	herb	0
<b>Cyperus nitidulus Bcklr.</b>	O. Bockeler		Cyperus odoratus L.	herb	4
<b>Cyperus olfersianus Kunth</b>	O. Bockeler		Pycreus lanceolatus (Poir.) C.B.Clarke	herb	4
<b>Cyperus olfersianus maximiliani Bcklr.</b>	O. Bockeler		Pycreus lanceolatus (Poir.) C.B.Clarke	herb	4
<b>Cyperus paniceus Bcklr.*</b>	O. Bockeler		Cyperus paniceus Bcklr.	herb	0
<b>Cyperus prolixus Humb. et Kunth.</b>	O. Bockeler		Cyperus prolixus Kunth	herb	0
<b>Cyperus surinamensis lutescens Rotrb.</b>	O. Bockeler	Warming, C	Cyperus surinamensis Rottb.	herb	8
<b>Cyperus surinamensis Rotrb.</b>	O. Bockeler		Cyperus surinamensis Rottb.	herb	8
<b>Cyperus vegetus Willd.</b>	O. Bockeler		Cyperus eragrostis Lam.	herb	0
<b>Cyperus warmingii Bcklr.</b>	O. Bockeler	Warming, C	Cyperus pohlii (Nees) Steud.	herb	0

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<i>Fimbristylis autumnalis</i> Roem. et schult.	O. Bockeler		<i>Fimbristylis autumnalis</i> (L.) Roem. & Schult.	herb	0
<i>Fimbristylis polymorpha</i> Bcklr.	O. Bockeler		<i>Fimbristylis dichotoma</i> (L.) Vahl	herb	2
<i>Fuirena incompleta</i> N. ab E.	O. Bockeler		<i>Fuirena incompleta</i> Nees	herb	0
<i>Fuirena umbellata</i> Rottb.	O. Bockeler		<i>Fuirena umbellata</i> Rottb.	herb	1
<i>Heleocharis albivaginata</i> Bcklr.	O. Bockeler		<i>Eleocharis flavescens</i> (Poir.) Urb.	herb	0
<i>Heleocharis albivaginata stricta</i> Bcklr.	O. Bockeler		<i>Eleocharis flavescens</i> (Poir.) Urb.	herb	0
<i>Heleocharis fistulosa</i> Schult.	O. Bockeler		<i>Eleocharis acutangula</i> (Roxb.) Schult.	herb	1
<i>Heleocharis grandis</i> Bcklr.	O. Bockeler		<i>Eleocharis nudipes</i> (Kunth) Palla	herb	0
<i>Heleocharis leucocarpa</i> Bcklr.	O. Bockeler		<i>Eleocharis subfoliata</i> C.B.Clarke	herb	0
<i>Heleocharis nodulosa</i> Schult.	O. Bockeler		<i>Eleocharis montana</i> (Kunth) Roem. & Schult.	herb	0
<i>Heleocharis plantaginea</i> R. Br.	O. Bockeler		<i>Eleocharis dulcis</i> (Burm.f.) Trin.	herb	0
<i>Heleocharis rothiana</i> Bcklr.	O. Bockeler		<i>Eleocharis filiculmis</i> Kunth	herb	1
<i>Heleocharis spiralis</i> R. Br.	O. Bockeler		<i>Eleocharis mutata</i> (L.) Roem. & Schult.	herb	0
<i>Heleocharis sulcata</i> N. ab E.	O. Bockeler		<i>Eleocharis filiculmis</i> Kunth	herb	1
<i>Kyllingia caespitosa elatior</i> Bcklr.	O. Bockeler		<i>Kyllingia pumila</i> Michx.	herb	0
<i>Kyllingia caespitosa pumila</i> Bcklr.	O. Bockeler		<i>Kyllingia pumila</i> Michx.	herb	0
<i>Kyllingia odorata major</i> Bcklr.	O. Bockeler		<i>Kyllingia odorata</i> Vahl	herb	0
<i>Kyllingia odorata minor</i> Bcklr.	O. Bockeler		<i>Kyllingia odorata</i> Vahl	herb	0
<i>Lipocarpa sellowiana</i> Kunth.	O. Bockeler		<i>Lipocarpa humboldtiana</i> Nees	herb	0
<i>Platylepis brasiliensis</i> Kunth.	O. Bockeler		<i>Ascolepis brasiliensis</i> (Kunth) Benth. ex C.B.Clarke	herb	0
<i>Rhynchospora aurea</i> Vahl.	O. Bockeler		<i>Rhynchospora corymbosa</i> (L.) Britton	herb	2
<i>Rhynchospora auriculata</i> Bcklr.	O. Bockeler	Warming, C, P	<i>Rhynchospora albiceps</i> Kunth	herb	0
<i>Rhynchospora crassipes</i> Bcklr.	O. Bockeler	Warming, C	<i>Rhynchospora terminalis</i> Nees ex Steud.	herb	1
<i>Rhynchospora elatior</i> Kunth.	O. Bockeler		<i>Rhynchospora elatior</i> Kunth	herb	1
<i>Rhynchospora emaciata</i> Bcklr.	O. Bockeler		<i>Rhynchospora emaciata</i> (Nees) Boeckeler	herb	0
<i>Rhynchospora exaltada</i> Kunth.	O. Bockeler		<i>Rhynchospora exaltata</i> Kunth	herb	1
<i>Rhynchospora glauca</i> Vahl.	O. Bockeler		<i>Rhynchospora confinis</i> (Nees) C.B.Clarke	herb	0
<i>Rhynchospora globosa</i> Roem. et schult.	O. Bockeler		<i>Rhynchospora globosa</i> (Kunth) Roem. & Schult.	herb	1
<i>Rhynchospora junciformis</i> Bcklr.	O. Bockeler	Warming, C	<i>Rhynchospora junciformis</i> (Kunth) Boeckeler	herb	0

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<b>Rhynchospora leucocephala Bcklr.</b>	O. Bockeler		Rhynchospora colorata (L.) H.Pfeiff.	herb	0
<b>Rhynchospora marisculus elatior Bcklr.</b>	O. Bockeler	Warming, C	Rhynchospora marisculus Lindl. & Nees	herb	0
<b>Rhynchospora nervosa Bcklr.</b>	O. Bockeler		Rhynchospora nervosa (Vahl) Boeckeler	herb	0
<b>Rhynchospora pallida Steud.</b>	O. Bockeler		Rhynchospora patuligluma C.B.Clarke ex Lindm.	herb	0
<b>Rhynchospora rigida Bcklr.</b>	O. Bockeler		Rhynchospora rigida Boeckeler	herb	0
<b>Rhynchospora rufa Bcklr.</b>	O. Bockeler		Rhynchospora velutina (Kunth) Boeckeler	herb	0
<b>Rhynchospora testacea Bcklr.</b>	O. Bockeler	Warming, C	Rhynchospora testacea Boeckeler	herb	0
<b>Rhynchospora velutina Bcklr.</b>	O. Bockeler		Rhynchospora velutina (Kunth) Boeckeler	herb	0
<b>Rhynchospora warmingii Bcklr.</b>	O. Bockeler	Warming, P	Rhynchospora warmingii Boeckeler	herb	0
<b>Scirpus capillaris L.</b>	O. Bockeler		Bulbostylis capillaris (L.) C.B.Clarke	herb	0
<b>Scirpus consanguineus Bcklr.</b>	O. Bockeler		Bulbostylis consanguinea (Kunth) C.B.Clarke	herb	0
<b>Scirpus filamentosus Vahl</b>	O. Bockeler		Bulbostylis filamentosus (Vahl) C.B.Clarke	herb	0
<b>Scirpus humboldtii Spr.</b>	O. Bockeler		Bulbostylis junciformis (Kunth) C.B.Clarke	herb	0
<b>Scirpus paradoxus Bcklr.</b>	O. Bockeler		Bulbostylis paradoxa (Spreng.) Lindm.	herb	0
<b>Scirpus rufescens Bcklr.</b>	O. Bockeler		Bulbostylis rufescens (Boeckeler) Beetle	herb	0
<b>Scirpus sellowianus Bcklr.</b>	O. Bockeler		Bulbostylis sellowiana (Kunth) Palla	herb	0
<b>Scirpus setifolius Bcklr.</b>	O. Bockeler		Bulbostylis sphaerocephala (Boeckeler) Lindm.	herb	0
<b>Scirpus sphaerolepis Bcklr.</b>	O. Bockeler	Warming, C	Bulbostylis scabra (J.Presl & C.Presl) C.B.Clarke	herb	1
<b>Scirpus subquadriflorus Bcklr.</b>	O. Bockeler	Warming, C	Fimbristylis quadriflora (Boeckeler) Beetle	herb	0
<b>Scirpus warmingii Bcklr.</b>	O. Bockeler	Warming, C	Fimbristylis warmingii (Boeckeler) Malme	herb	0
<b>Scleria acanthocarpa Bcklr.</b>	O. Bockeler	Warming, C	Scleria acanthocarpa Boeckeler	herb	1
<b>Scleria bracteata Cavam.</b>	O. Bockeler		Scleria bracteata Cav.	herb	0
<b>Scleria hirtella glabrescens Swatz</b>	O. Bockeler		Scleria hirtella Sw.	herb	0
<b>Scleria lagoensis Bcklr.</b>	O. Bockeler	Warming, C	Scleria lagoensis Boeckeler	herb	0
<b>Scleria leptostachya Kunth.</b>	O. Bockeler		Scleria leptostachya Kunth	herb	0
<b>Scleria mitis Berg.</b>	O. Bockeler		Scleria mitis P.J.Bergius	herb	0
<b>Scleria panicoides Kunth.</b>	O. Bockeler		Scleria panicoides Kunth	herb	0
<b>Scleria plusiophylla Steud.</b>	O. Bockeler		Scleria plusiophylla Steud.	herb	0
<b>Scleria pratensis Lindl. et Nees</b>	O. Bockeler		Scleria gaertneri Raddi	herb	0

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<i>Scleria reflexa</i> Humb. et Kunth.	O. Bockeler		<i>Scleria secans</i> (L.) Urb.	herb	0
<i>Scleria sylvestris</i> Poepp. et Kth	O. Bockeler		<i>Scleria latifolia</i> Sw.	herb	0
<i>Scleria warmingiana</i> Bcklr.	O. Bockeler	Warming, C	<i>Scleria warmingiana</i> Boeckeler	herb	0
<b>Dichapetalaceae</b>					
<i>Stephanopodium engleri</i> Baill.	H. Baillon	Warming, C	<i>Stephanopodium engleri</i> Baill.	tree	0
<b>Dilleniaceae</b>					
<i>Curatella americana</i> Linn.	A.W. Eichler		<i>Curatella americana</i> L.	tree	4
<i>Davilla angustifolia</i> St. Hil.	A.W. Eichler		<i>Davilla angustifolia</i> A.St.-Hil.	vine	0
<i>Davilla elliptica</i> St. Hil.	A.W. Eichler		<i>Davilla elliptica</i> A.St.-Hil.	shrub	5
<i>Davilla rugosa</i> Poir.	A.W. Eichler		<i>Davilla rugosa</i> Poir.	shrub	0
<i>Doliocarpus rolandri</i> Gmel.	A.W. Eichler		<i>Doliocarpus dentatus</i> (Aubl.) Standl.	shrub	2
<i>Tetracera lasiocarpa</i> Eich.	A.W. Eichler		<i>Tetracera lasiocarpa</i> Eichler	vine	0
<b>Dioscoreaceae</b>					
<i>Dioscorea crumenigera</i> Mart.	Grisebach, A.		<i>Dioscorea amaranthoides</i> C.Presl	vine	0
<i>Dioscorea deflexa</i> Gr.	Grisebach, A.	Warming, C	<i>Dioscorea deflexa</i> Griseb.	vine	0
<i>Dioscorea dodecaneura</i> Vell.	Grisebach, A.		<i>Dioscorea dodecaneura</i> Vell.	vine	0
<i>Dioscorea effusa</i> Gr.	Grisebach, A.	Warming, C	<i>Dioscorea fodinarum</i> Kunth	vine	0
<i>Dioscorea fodinarum</i> Kth.	Grisebach, A.		<i>Dioscorea fodinarum</i> Kunth	vine	0
<i>Dioscorea glandulosa</i> Kl.	Grisebach, A.		<i>Dioscorea glandulosa</i> (Griseb.) Kunth	vine	0
<i>Dioscorea grandiflora</i> Mart	Grisebach, A.		<i>Dioscorea grandiflora</i> Mart. ex Griseb.	vine	0
<i>Dioscorea hastata</i> Vell.	Grisebach, A.		<i>Dioscorea hassleriana</i> Chodat	vine	0
<i>Dioscorea luschnathiana</i> Kth.	Grisebach, A.		<i>Dioscorea warmingii</i> (Uline ex R.Knuth) R. Knuth	vine	0
<i>Dioscorea monadelpha</i> Gr.	Grisebach, A.		<i>Dioscorea monadelpha</i> (Kunth) Griseb.	vine	0
<i>Dioscorea multiflora</i> Mart.	Grisebach, A.		<i>Dioscorea multiflora</i> Mart. ex Griseb.	vine	0
<i>Dioscorea sinuata</i> Vell.	Grisebach, A.		<i>Dioscorea sinuata</i> Vell.	vine	1
<i>Dioscorea ternata</i> Gr.	Grisebach, A.	Warming, C	<i>Dioscorea ternata</i> Griseb.	vine	0
<i>Dioscorea trachyandra</i> Gr.	Grisebach, A.	Warming, C	<i>Dioscorea trachyandra</i> Griseb.	vine	0
<i>Dioscorea tubulosa</i> Gr.	Grisebach, A.	Warming, C	<i>Dioscorea tubulosa</i> Griseb.	vine	0
<b>Droseraceae</b>					



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<b>Drosera communis A.St.-Hil.</b>	A.W. Eichler		Drosera communis A.St.-Hil.	herb	0
<b>Ebenaceae</b>					
<b>Diospyros camporum Wrmg.</b>	E. Warming		Diospyros hispida A.DC.	tree	0
<b>Diospyros hispida A.DC.</b>	E. Warming		Diospyros hispida A.DC.	tree	0
<b>Maba inconstans obovata Hiern.</b>	E. Warming		Diospyros inconstans Jacq.	tree	0
<b>Eriocaulaceae</b>					
<b>Eriocaulon crassicapum Bong.</b>	F. Körnicke		Eriocaulon crassicapum Bong.	herb	0
<b>Eriocaulon modestum Kth.</b>	F. Körnicke		Eriocaulon modestum Kunth	herb	0
<b>Paepalanthus appressus Kcke.</b>	F. Körnicke		Syngonanthus appressus (Körn.) Ruhland	herb	0
<b>Paepalanthus caulescens Kth.</b>	F. Körnicke		Syngonanthus caulescens (Poir.) Ruhland	herb	0
<b>Paepalanthus clausenianus Kcke.</b>	F. Körnicke		Actinocephalus clausenianus (Körn.) Sano	herb	0
<b>Paepalanthus nitens Kcke.</b>	F. Körnicke		Syngonanthus nitens Ruhland	herb	0
<b>Paepalanthus spadiceus Kcke.</b>	F. Körnicke	Warming, C	Syngonanthus spadiceus (Körn.) Ruhland	herb	0
<b>Paepalanthus widgrenianus Kcke.</b>	F. Körnicke		Syngonanthus widgrenianus (Körn.) Ruhland	herb	0
<b>Erythroxylaceae</b>					
<b>Erythroxylum campestre St. Hil.</b>	J. Peyristsch		Erythroxylum campestre A.St.-Hil.	tree	5
<b>Erythroxylum citrifolium St. Hil.</b>	J. Peyristsch		Erythroxylum citrifolium A.St.-Hil.	tree	0
<b>Erythroxylum daphnites Mart.</b>	J. Peyristsch		Erythroxylum daphnites Mart.	tree	0
<b>Erythroxylum microphyllum var. amplifolium St. Hil.</b>	J. Peyristsch		Erythroxylum cuneifolium (Mart.) O.E.Schulz	shrub	0
<b>Erythroxylum nitidum Spreng.</b>	J. Peyristsch		Erythroxylum nitidum Spreng.	tree	0
<b>Erythroxylum pelleterianum St. Hil.</b>	J. Peyristsch		Erythroxylum pelleterianum A.St.-Hil.	tree	0
<b>Erythroxylum strobilaceum Peyr.</b>	J. Peyristsch	Warming, C	Erythroxylum strobilaceum Peyr.	shrub	0
<b>Erythroxylum suberosum St. Hil.</b>	J. Peyristsch	Warming ?, C	Erythroxylum suberosum A.St.-Hil.	tree	5
<b>Erythroxylum subrotundum St. Hil.</b>	J. Peyristsch		Erythroxylum subrotundum A.St.-Hil.	tree	0
<b>Erythroxylum tortuosum Mart.</b>	J. Peyristsch		Erythroxylum tortuosum Mart.	tree	3
<b>Erythroxylum warmingii Peyr.</b>	J. Peyristsch	Warming, C	Erythroxylum strobilaceum Peyr.	shrub	0
<b>Euphorbiaceae</b>					
<b>Acalypha amblyodonta gaudichaudii Mull.</b>	Joh. Muller (Argov.)		Acalypha amblyodonta (Müll.Arg.) Müll.Arg.	shrub	0

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<b>Acalypha amblyodonta repanda Mull.</b>	Joh. Muller (Argov.)	Warming, G, P	Acalypha amblyodonta (Müll.Arg.) Müll.Arg.	shrub	0
<b>Acalypha amblyodonta villosa Mull.</b>	Joh. Muller (Argov.)	Warming, G	Acalypha amblyodonta (Müll.Arg.) Müll.Arg.	shrub	0
<b>Acalypha brasiliensis brevipes Mull.</b>	Joh. Muller (Argov.)	Warming, C	Acalypha brasiliensis Müll.Arg.	shrub	0
<b>Acalypha brevipes Mull.</b>	Joh. Muller (Argov.)	Warming, C	Acalypha vellamea Baill.	herb	0
<b>Acalypha clauseni (Turcz) Mull.</b>	Joh. Muller (Argov.)		Acalypha clausenii (Turcz.) Müll.Arg.	shrub	0
<b>Acalypha communis hirta Mull. Arg.</b>	Joh. Muller (Argov.)		Acalypha communis Müll.Arg.	shrub	2
<b>Acalypha communis pallida Mull. Arg.</b>	Joh. Muller (Argov.)	Warming, C	Acalypha communis Müll.Arg.	shrub	2
<b>Acalypha communis tomentella Mull. Arg.</b>	Joh. Muller (Argov.)		Acalypha communis Müll.Arg.	shrub	2
<b>Acalypha dimorpha Mull. Arg.</b>	Joh. Muller (Argov.)	Warming, C	Acalypha dimorpha Müll.Arg.	shrub	0
<b>Acalypha gracilis fruticulosa Mull.</b>	Joh. Muller (Argov.)		Acalypha gracilis Spreng.	shrub	0
<b>Acalypha lagoensis Mull. Arg.</b>	Joh. Muller (Argov.)	Warming, G	Acalypha lagoensis Müll.Arg.	shrub	0
<b>Acalypha macrostachya sidaefolia Mull.</b>	Joh. Muller (Argov.)		Acalypha macrostachya Jacq.	tree	0
<b>Acalypha multicaulis tomentella Mull.</b>	Joh. Muller (Argov.)	Warming, C	Acalypha multicaulis Müll.Arg.	shrub	0
<b>Acalypha villosa trichopoda Jacq.</b>	Joh. Muller (Argov.)	Warming, C	Acalypha villosa Jacq.	shrub	0
<b>Alchornea cordata (Ad. Juss.) Mull.</b>	Joh. Muller (Argov.)		Aparisthmium cordatum (A.Juss.) Baill.	tree	0
<b>Alchornea iricurana Casaretto</b>	Joh. Muller (Argov.)		Alchornea glandulosa Poepp. & Endl.	tree	0
<b>Argyrothamnia anisotricha Mull. Arg.</b>	Joh. Muller (Argov.)		Chiropetalum anisotrichum (Müll.Arg.) Pax & K.Hoffm.	shrub	0
<b>Bernardia multicaulis Mull.</b>	Joh. Muller (Argov.)		Bernardia multicaulis Müll.Arg.	shrub	0
<b>Caperonia stenophylla Mull. Arg.</b>	Joh. Muller (Argov.)	Warming, C	Caperonia stenophylla Müll.Arg.	herb	0
<b>Croton agrophilus Mull.</b>	Joh. Muller (Argov.)	Warming, C	Croton agrophilus Müll.Arg.	shrub	0
<b>Croton albellus Mull. Arg.</b>	Joh. Muller (Argov.)	Warming, C	Croton albellus Müll.Arg.	shrub	0
<b>Croton antisyphiliticus var.intermedius Mart.</b>	Joh. Muller (Argov.)		Croton antisyphiliticus Mart.	shrub	4
<b>Croton antisyphiliticus var.minor Mart.</b>	Joh. Muller (Argov.)		Croton antisyphiliticus Mart.	shrub	4
<b>Croton antisyphiliticus var.mollis Mart.</b>	Joh. Muller (Argov.)		Croton antisyphiliticus Mart.	shrub	4
<b>Croton antisyphiliticus var. genuinus Mart.</b>	Joh. Muller (Argov.)		Croton antisyphiliticus Mart.	shrub	4
<b>Croton caperoniaefolius Mull.Arg.</b>	Joh. Muller (Argov.)	Warming, C ?	Croton antisyphiliticus Mart.	shrub	4
<b>Croton cerinodentatus var.warmingii Mull.</b>	Joh. Muller (Argov.)		Croton cerinodentatus Müll.Arg.	shrub	0
<b>Croton compressus Lam.</b>	Joh. Muller (Argov.)		Croton compressus Lam.	shrub	0
<b>Croton glandulosus hirtus (Linn) Mull.</b>	Joh. Muller (Argov.)		Croton hirtus L'Hér.	herb	0

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<b>Croton glandulosus warmingii (Linn) Mull.</b>	Joh. Muller (Argov.)	Warming, C	Croton glandulosus L.	shrub	0
<b>Croton gracilipes angustifolius Mull.</b>	Joh. Muller (Argov.)	Warming, C	Croton gracilipes Baill.	tree	0
<b>Croton gracilipes genuinus Mull.</b>	Joh. Muller (Argov.)		Croton gracilipes Baill.	tree	0
<b>Croton gracilipes macradenius Mull.</b>	Joh. Muller (Argov.)		Croton gracilipes Baill.	tree	0
<b>Croton lagoensis Mull. Arg.</b>	Joh. Muller (Argov.)	Warming, B	Croton lagoensis Müll.Arg.	tree	0
<b>Croton leptobotryus Mull.</b>	Joh. Muller (Argov.)	Warming, C	Croton leptobotryus Müll.Arg.	shrub	0
<b>Croton lobatus manihot Mull.</b>	Joh. Muller (Argov.)		Astraea lobata (L.) Klotzsch	herb	0
<b>Croton lobatus var.sericeus Mull.</b>	Joh. Muller (Argov.)		Astraea lobata (L.) Klotzsch	herb	0
<b>Croton medians Mull.</b>	Joh. Muller (Argov.)	Warming, C	Croton medians Müll.Arg.	shrub	0
<b>Croton odontadenius Mull.</b>	Joh. Muller (Argov.)	Warming, C	Croton odontadenius Müll.Arg.	shrub	0
<b>Croton peraffinis Mull.</b>	Joh. Muller (Argov.)	Warming, C	Croton peraffinis Müll.Arg.	shrub	0
<b>Croton pipocalyx Mull. Arg.</b>	Joh. Muller (Argov.)	Warming, C	Croton piptocalyx Müll.Arg.	tree	0
<b>Croton pohlianus Mull.</b>	Joh. Muller (Argov.)		Croton grandivelus Baill.	shrub	2
<b>Croton sclerocalyx luxurians (F.Didr.) Mull.</b>	Joh. Muller (Argov.)		Croton sclerocalyx (Didr.) Müll.Arg.	shrub	0
<b>Croton sclerocalyx rufidulus (F.Didr.) Mull.</b>	Joh. Muller (Argov.)		Croton sclerocalyx (Didr.) Müll.Arg.	shrub	0
<b>Croton urucurana Baill.</b>	Joh. Muller (Argov.)		Croton urucurana Baill.	tree	0
<b>Croton velame Mull.*</b>	Joh. Muller (Argov.)	Warming, C	Croton velame (?) Mull. Arg.	shrub	0
<b>Croton warmingii Mull.</b>	Joh. Muller (Argov.)		Croton rottlerifolius Baill.	tree	0
<b>Dactylostemon lagoensis Mull.</b>	Joh. Muller (Argov.)	Warming, C	Actinostemon lagoensis (Müll.Arg.) Pax	shrub	0
<b>Dactylostemon lundianus Mull.</b>	Joh. Muller (Argov.)		Actinostemon klotzschii (Didr.) Pax	tree	0
<b>Dactylostemon sparsifolius Mull.</b>	Joh. Muller (Argov.)	Warming, C	Actinostemon sparsifolius (Müll.Arg.) Pax	shrub	0
<b>Dactylostemon verticillatus Kl.</b>	Joh. Muller (Argov.)		Actinostemon verticillatus (Klotzsch) Baill.	shrub	0
<b>Dalechampia pentaphylla Lam.</b>	Joh. Muller (Argov.)		Dalechampia pentaphylla Lam.	vine	0
<b>Dalechampia scandens pallida Mull.</b>	Joh. Muller (Argov.)		Dalechampia stipulacea Müll.Arg.	shrub	2
<b>Dalechampia stipulacea minor Mull.</b>	Joh. Muller (Argov.)		Dalechampia stipulacea Müll.Arg.	shrub	2
<b>Dalechampia stipulaceae membranaceae Mull.</b>	Joh. Muller (Argov.)		Dalechampia stipulacea Müll.Arg.	shrub	2
<b>Dalechampia triphylla Lam.</b>	Joh. Muller (Argov.)		Dalechampia triphylla Lam.	vine	0
<b>Euphorbia brasiliensis Lam.</b>	Joh. Muller (Argov.)		Euphorbia hyssopifolia L.	herb	1
<b>Euphorbia coecorum Mart.</b>	Joh. Muller (Argov.)		Euphorbia potentilloides Boiss.	herb	3

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<b>Euphorbia comosa Velloso</b>	Joh. Muller (Argov.)		Euphorbia comosa Vell.	tree	0
<b>Euphorbia foliolosa Boiss.</b>	Joh. Muller (Argov.)		Euphorbia foliolosa Boiss.	herb	0
<b>Euphorbia hirtella genuina Mull.</b>	Joh. Muller (Argov.)		Euphorbia hirtella Boiss.	herb	0
<b>Euphorbia pilulifera L.</b>	Joh. Muller (Argov.)		Euphorbia hirta L.	herb	0
<b>Euphorbia sciadophila Boiss.</b>	Joh. Muller (Argov.)		Euphorbia sciadophila Boiss.	herb	0
<b>Euphorbia setosa Mull.</b>	Joh. Muller (Argov.)		Euphorbia setosa (Boiss.) Müll.Arg.	herb	3
<b>Euphorbia zonosperma Mull. Arg.</b>	Joh. Muller (Argov.)	Warming, GH	Euphorbia zonosperma Müll.Arg.	herb	0
<b>Excoecaria biglandulosa clauseniana Mull. Arg.</b>	Joh. Muller (Argov.)		Sapium glandulosum (L.) Morong	tree	1
<b>Excoecaria biglandulosa grandifolia Mull. Arg.</b>	Joh. Muller (Argov.)		Sapium glandulosum (L.) Morong	tree	1
<b>Excoecaria marginata spathulata Mull.</b>	Joh. Muller (Argov.)		Sapium glandulosum (L.) Morong	tree	1
<b>Excoecaria warmingii Mull.</b>	Joh. Muller (Argov.)	Warming, C	Sebastiania warmingii (Müll.Arg.) Pax	tree	0
<b>Fragariopsis warmingii Mull. Arg.</b>	Joh. Muller (Argov.)	Warming, P	Plukenetia serrata (Vell.) L.J.Gillespie	vine	0
<b>Hieronyma alchorneoides Fr. Allem.</b>	Joh. Muller (Argov.)		Hieronyma alchorneoides Allemão	tree	0
<b>Hieronyma ferruginea Tul.</b>	Joh. Muller (Argov.)		Hieronyma alchorneoides Allemão	tree	0
<b>Jatropha curcas L.</b>	Joh. Muller (Argov.)		Jatropha curcas L.	shrub	0
<b>Jatropha multifida L.</b>	Joh. Muller (Argov.)		Jatropha multifida L.	shrub	0
<b>Jatropha neglecta Mull.</b>	Joh. Muller (Argov.)		Cnidoscolus urens (L.) Arthur	shrub	1
<b>Jatropha urens Linn.</b>	Joh. Muller (Argov.)		Cnidoscolus urens (L.) Arthur	shrub	1
<b>Julocroton humilis F. Didr.</b>	Joh. Muller (Argov.)		Croton didrichsenii G.L. Webster	shrub	1
<b>Julocroton triqueter genuinus Mull.</b>	Joh. Muller (Argov.)		Croton triqueter Lam.	shrub	0
<b>Mabea fistulifera Martius</b>	Joh. Muller (Argov.)		Mabea fistulifera Mart.	tree	2
<b>Manihot gracilis genuina Mull.</b>	Joh. Muller (Argov.)		Manihot gracilis Pohl	shrub	1
<b>Manihot grandiflora Mull.</b>	Joh. Muller (Argov.)	Warming, P	Manihot caerulescens Pohl	tree	0
<b>Manihot intercedens Mull.</b>	Joh. Muller (Argov.)	Warming, C	Manihot tripartita (Spreng.) Müll.Arg.	tree	7
<b>Manihot janiphoides Mull.</b>	Joh. Muller (Argov.)	Warming, P	Manihot janiphoides Müll.Arg.	shrub	0
<b>Manihot lagoensis Mull.</b>	Joh. Muller (Argov.)	Warming, C	Manihot tripartita (Spreng.) Müll.Arg.	tree	7
<b>Manihot pedicellaris Mull.</b>	Joh. Muller (Argov.)	Warming, P	Manihot pilosa Pohl	tree	3
<b>Manihot pubescens Pohl</b>	Joh. Muller (Argov.)		Manihot anomala Pohl	shrub	0
<b>Manihot rigidula Mull.</b>	Joh. Muller (Argov.)	Warming, F	Manihot pentaphylla Pohl	shrub	0

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<b>Manihot sinuata Pohl</b>	Joh. Muller (Argov.)		Manihot tripartita (Spreng.) Müll.Arg.	tree	7
<b>Manihot tomentosa Pohl</b>	Joh. Muller (Argov.)		Manihot tomentosa Pohl	shrub	2
<b>Manihot tripartita genuina (Spreng.) Mull.</b>	Joh. Muller (Argov.)		Manihot tripartita (Spreng.) Müll.Arg.	tree	7
<b>Manihot tripartita glabra (Spreng.) Mull.</b>	Joh. Muller (Argov.)		Manihot tripartita (Spreng.) Müll.Arg.	tree	7
<b>Manihot tripartita subintegra (Spreng.) Mull.</b>	Joh. Muller (Argov.)		Manihot tripartita (Spreng.) Müll.Arg.	tree	7
<b>Manihot triphylla Pohl</b>	Joh. Muller (Argov.)		Manihot triphylla Pohl	shrub	0
<b>Manihot warmingii Mull.</b>	Joh. Muller (Argov.)	Warming, C	Manihot anomala Pohl	shrub	0
<b>Maprounea brasiliensis St. Hil.</b>	Joh. Muller (Argov.)		Maprounea brasiliensis A.St.-Hil.	tree	2
<b>Plucknetia tannoides Ad. Juss.</b>	Joh. Muller (Argov.)		Romanoa tamnoides (A.Juss.) Radcl.-Sm.	vine	0
<b>Ricinus communis brasiliensis Mull.</b>	Joh. Muller (Argov.)		Ricinus communis L.	shrub	1
<b>Sebastiania brasiliensis var.microphyla Mull.</b>	Joh. Muller (Argov.)	Warming, C	Sebastiania brasiliensis Spreng.	tree	0
<b>Sebastiania brasiliensis var.polymorpha Spreng.</b>	Joh. Muller (Argov.)		Sebastiania brasiliensis Spreng.	tree	0
<b>Sebastiania corniculata var.fischeri Mull.</b>	Joh. Muller (Argov.)		Microstachys corniculata (Vahl) Griseb.	shrub	0
<b>Sebastiania corniculata var.incana Mull.</b>	Joh. Muller (Argov.)		Microstachys hispida (Mart.) Govaerts	shrub	0
<b>Sebastiania corniculata var.lagoensis Mull.</b>	Joh. Muller (Argov.)	Warming, C	Microstachys hispida (Mart.) Govaerts	shrub	0
<b>Sebastiania corniculata var.purpurela Mull.</b>	Joh. Muller (Argov.)	Warming, C	Microstachys hispida (Mart.) Govaerts	shrub	0
<b>Sebastiania dimorphocalyx Mull.</b>	Joh. Muller (Argov.)	Warming, C	Sebastiania dimorphocalyx Müll. Arg.	tree	0
<b>Sebastiania klotzschiana genuina Mull.</b>	Joh. Muller (Argov.)		Gymnanthes klotzschiana Müll.Arg.	tree	0
<b>Sebastiania klotzschiana trichoneura Mull.</b>	Joh. Muller (Argov.)	Warming, C	Gymnanthes klotzschiana Müll.Arg.	tree	0
<b>Sebastiania rhombifolia Mull.</b>	Joh. Muller (Argov.)	Warming, C	Sebastiania brasiliensis Spreng.	tree	0
<b>Sebastiania serrata Mull. Arg.</b>	Joh. Muller (Argov.)	Warming, C	Gymnanthes serrata Baill. ex Müll.Arg.	tree	0
<b>Sebastiania serrulata klotzschiana Mull.</b>	Joh. Muller (Argov.)		Microstachys serrulata (Mart.) Müll.Arg.	shrub	0
<b>Sebastiania serrulata oblongifolia Mull.</b>	Joh. Muller (Argov.)		Microstachys serrulata (Mart.) Müll.Arg.	shrub	0
<b>Sebastiania virgata scoparia Mull.</b>	Joh. Muller (Argov.)		Microstachys bidentata (Mart.& Zucc.) Esser	shrub	1
<b>Sebastiania virgata var.odontococca Mull.</b>	Joh. Muller (Argov.)		Microstachys bidentata (Mart.& Zucc.) Esser	shrub	1
<b>Sebastiania ypanemensis Mull.</b>	Joh. Muller (Argov.)	Warming, C	Sebastiania ypanamensis (Müll.Arg.) Müll.Arg.	tree	0
<b>Stillingia oppositifolia Baill.</b>	Joh. Muller (Argov.)		Stillingia oppositifolia Baill. ex Müll.Arg.	shrub	0
<b>Tragia amoena Mull.</b>	Joh. Muller (Argov.)		Tragia volubilis L.	vine	0
<b>Tragia lagoensis Mull.</b>	Joh. Muller (Argov.)	Warming, C	Tragia bahiensis Müll.Arg.	herb	0

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<b>Tragia sellowiana (Klotsch) Mull.</b>	Joh. Muller (Argov.)		Bia alienata Didr.	vine	0
<b>Tragia uberabana Mull.</b>	Joh. Muller (Argov.)		Tragia uberabana Müll.Arg.	shrub	0
<b>Tragia volubilis genuina Linn.</b>	Joh. Muller (Argov.)		Tragia volubilis L.	vine	0
<b>Fabaceae</b>					
<b>Acacia farnesiana Willd.</b>	G. Bentham		Vachellia farnesiana (L.) Wight & Arn.	shrub	1
<b>Acacia paniculata Willd.</b>	G. Bentham		Senegalia tenuifolia (L.) Britton & Rose	shrub	0
<b>Acacia polyphylla DC.</b>	G. Bentham		Senegalia polyphylla (DC.) Britton & Rose	tree	2
<b>Acacia riparia H.B.K.</b>	G. Bentham		Senegalia riparia (Kunth) Britton & Rose ex Britton & Killip	shrub	0
<b>Acacia westiana DC.</b>	G. Bentham		Senegalia riparia (Kunth) Britton & Rose ex Britton & Killip	shrub	0
<b>Aeschynomene falcata DC.</b>	Marc. Micheli		Aeschynomene falcata (Poir.) DC.	shrub	0
<b>Aeschynomene falcata var. plurijuga DC.</b>	Marc. Micheli		Aeschynomene elegans Schldl. & Cham.	shrub	0
<b>Aeschynomene paniculata Willd.</b>	Marc. Micheli		Aeschynomene paniculata Willd. ex Vogel	shrub	1
<b>Aeschynomene parviflora Micheli</b>	Marc. Micheli	Warming, P	Aeschynomene parviflora Micheli	shrub	0
<b>Aeschynomene paucifolia Vog.</b>	Marc. Micheli		Aeschynomene paucifolia Vogel	shrub	2
<b>Aeschynomene warmingii Micheli</b>	Marc. Micheli	Warming, F	Aeschynomene warmingii Micheli	shrub	0
<b>Andira fraxinifolia Bth. (?)</b>	Marc. Micheli		Andira fraxinifolia Benth.	tree	0
<b>Andira inermis H.B.K. (?)</b>	Marc. Micheli		Andira inermis (W.Wright) DC.	tree	0
<b>Andira laurifolia Bth.</b>	Marc. Micheli		Andira humilis Mart. ex Benth.	tree	3
<b>Arachis prostrata Bth.</b>	Marc. Micheli		Arachis prostrata Benth.	herb	0
<b>Bauhinia angulosa densiflora Bth.</b>	G. Bentham	Warming, C	Phanera angulosa (Vogel) Vaz	vine	0
<b>Bauhinia bongardi Steud.</b>	G. Bentham		Bauhinia brevipes Vogel	shrub	4
<b>Bauhinia candicans Bth.</b>	G. Bentham		Bauhinia forficata Link	tree	3
<b>Bauhinia forficata Link.</b>	G. Bentham		Bauhinia forficata Link	tree	3
<b>Bauhinia holophylla Steud.</b>	G. Bentham		Bauhinia holophylla (Bong.) Steud.	shrub	5
<b>Bauhinia langsdorffiana Bong.</b>	G. Bentham		Schnella macrostachya Raddi	vine	0
<b>Bauhinia leiopetala Benth.</b>	G. Bentham	Warming, C	Schnella macrostachya Raddi	vine	0
<b>Bauhinia longifolia acuminata Steud.</b>	G. Bentham		Bauhinia longifolia (Bong.) Steud.	tree	1
<b>Bauhinia pulchella Benth.</b>	G. Bentham		Bauhinia pulchella Benth.	tree	0
<b>Bauhinia rubiginosa Bong.</b>	G. Bentham		Phanera splendens (Kunth) Vaz	vine	0

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<b>Bauhinia rufa Steud.</b>	G. Bentham		Bauhinia rufa (Bong.) Steud.	tree	1
<b>Bowdichia virgilioides H.B.Kth.</b>	Marc. Micheli		Bowdichia virgilioides Kunth	herb	2
<b>Camptosema coccineum Bth.</b>	Marc. Micheli		Bionia coccinea Mart. ex Benth.	shrub	1
<b>Camptosema grandiflorum Bth.</b>	Marc. Micheli		Camptosema spectabile (Tul.) Burkart	vine	0
<b>Canavalia gladiata DC.</b>	Marc. Micheli		Canavalia gladiata (Jacq.) DC.	vine	1
<b>Canavalia picta Mart.</b>	Marc. Micheli		Canavalia picta Mart. ex Benth.	vine	0
<b>Cassia affinis alata Lin.</b>	G. Bentham		Senna affinis (Benth.) H.S.Irwin & Barneby	tree	0
<b>Cassia angulata Vogel.</b>	G. Bentham		Senna angulata (Vogel) H.S.Irwin & Barneby	shrub	0
<b>Cassia apoucouita Aublet</b>	G. Bentham		Chamaecrista apoucouita (Aubl.) H.S.Irwin & Barneby	tree	0
<b>Cassia basifolia Vog.</b>	G. Bentham		Chamaecrista basifolia (Vogel) H.S.Irwin & Barneby	shrub	1
<b>Cassia bicapsularis L.</b>	G. Bentham		Senna pendula (Humb.& Bonpl.ex Willd.) H.S.Irwin & Barneby	shrub	0
<b>Cassia brachypoda Benth.</b>	G. Bentham		Chamaecrista nictitans (L.) Moench	shrub	1
<b>Cassia cathartica Mart.</b>	G. Bentham		Chamaecrista cathartica (Mart.) H.S.Irwin & Barneby	shrub	7
<b>Cassia chamaecrista brasiliensis Vog.</b>	G. Bentham		Chamaecrista glandulosa (L.) Greene	shrub	0
<b>Cassia cotinifolia G. Don.</b>	G. Bentham		Chamaecrista cotinifolia (G.Don) H.S.Irwin & Barneby	shrub	0
<b>Cassia excelsa Schrad.</b>	G. Bentham		Senna spectabilis (DC.) H.S.Irwin & Barneby	shrub	1
<b>Cassia ferruginea Schrad.</b>	G. Bentham		Cassia ferruginea (Schrad.) Schrad. ex DC.	tree	1
<b>Cassia flexuosa Linn.</b>	G. Bentham		Chamaecrista flexuosa (L.) Greene	shrub	4
<b>Cassia hispidula Vahl.</b>	G. Bentham		Chamaecrista fagonioides (Vogel) H.S.Irwin & Barneby	shrub	0
<b>Cassia langsdorffii Kunth.</b>	G. Bentham		Chamaecrista langsdorffii (Kunth ex Vogel) Britton ex Pittier	shrub	0
<b>Cassia macranthera DC.</b>	G. Bentham		Senna macranthera (DC. ex Collad.) H.S.Irwin & Barneby	tree	0
<b>Cassia macranthera venosissima Bth.</b>	G. Bentham		Senna macranthera (DC. ex Collad.) H.S.Irwin & Barneby	tree	0
<b>Cassia multijuga A. Rich.</b>	G. Bentham		Senna multijuga (Rich.) H.S.Irwin & Barneby	tree	0
<b>Cassia multijuga fulva A. Rich.</b>	G. Bentham		Senna multijuga (Rich.) H.S.Irwin & Barneby	tree	0
<b>Cassia neglecta acuminata Bth.</b>	G. Bentham	Warming, C	Senna hirsuta (L.) H.S.Irwin & Barneby	shrub	0
<b>Cassia occidentalis Linn.</b>	G. Bentham		Senna occidentalis (L.) Link	shrub	0
<b>Cassia orbiculata Benth.</b>	G. Bentham		Chamaecrista orbiculata (Benth.) H.S.Irwin & Barneby	tree	0
<b>Cassia patellaria DC.</b>	G. Bentham		Chamaecrista nictitans (L.) Moench	shrub	1

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<b>Cassia pentagonia Mill.</b>	G. Bentham		Senna pentagonia (Mill.) H.S.Irwin & Barneby	herb	0
<b>Cassia pilifera Vog.</b>	G. Bentham		Senna pilifera (Vogel) H.S.Irwin & Barneby	shrub	0
<b>Cassia riparia pilosa H. B. Kth.</b>	G. Bentham	Warming, NY	Chamaecrista nictitans (L.) Moench	shrub	1
<b>Cassia rotundifolia Pers.</b>	G. Bentham		Chamaecrista rotundifolia (Pers.) Greene	shrub	1
<b>Cassia rugosa Don.</b>	G. Bentham		Senna rugosa (G.Don) H.S.Irwin & Barneby	shrub	9
<b>Cassia setosa Vog.</b>	G. Bentham		Chamaecrista setosa (Vogel) H.S.Irwin & Barneby	shrub	0
<b>Cassia silvestris Vell.</b>	G. Bentham		Senna silvestris (Vell.) H.S.Irwin & Barneby	tree	2
<b>Cassia speciosa Schrad.</b>	G. Bentham		Senna macranthera (DC. ex Collad.) H.S.Irwin & Barneby	tree	0
<b>Cassia splendida angustifolia Bth.</b>	G. Bentham		Senna splendida (Vogel) H.S.Irwin & Barneby	vine	1
<b>Cassia sulcata DC.</b>	G. Bentham		Senna cernua (Balb.) H.S.Irwin & Barneby	shrub	0
<b>Cassia tecta Vog.</b>	G. Bentham		Chamaecrista desvauxii (Collad.) Killip	shrub	2
<b>Cassia tora L.</b>	G. Bentham		Senna obtusifolia (L.) H.S.Irwin & Barneby	shrub	2
<b>Cassia trichopoda Benth.</b>	G. Bentham		Chamaecrista trichopoda (Benth.) Britton & Rose ex Britton & Killip	shrub	0
<b>Centrolobium tomentosum Bth.</b>	Marc. Micheli		Centrolobium tomentosum Guillem. ex Benth.	vine	0
<b>Centrosema angustifolium Bth.</b>	Marc. Micheli		Centrosema angustifolium (Kunth) Benth.	vine	0
<b>Centrosema brasilianum Bth.</b>	Marc. Micheli		Centrosema brasilianum (L.) Benth.	vine	0
<b>Centrosema dasyanthum Bth.</b>	Marc. Micheli		Centrosema dasyanthum Benth.	vine	0
<b>Centrosema hastatum Bth.</b>	Marc. Micheli		Centrosema sagittatum (Humb. & Bonpl. ex Willd.) Brandege	vine	0
<b>Centrosema velutum Mart.</b>	Marc. Micheli		Centrosema vetulum Mart. ex Benth.	vine	0
<b>Centrosema virginianum Bth.</b>	Marc. Micheli		Centrosema virginianum (L.) Benth.	vine	0
<b>Chaetocalyx hebecarpa Bth.</b>	Marc. Micheli		Chaetocalyx longiflora Benth. ex A.Gray	vine	0
<b>Clitoria densiflora Bth.</b>	Marc. Micheli		Clitoria densiflora (Benth.) Benth.	shrub	0
<b>Clitoria glycinoides D.G.</b>	Marc. Micheli		Clitoria falcata Lam.	vine	0
<b>Clitoria guianensis Benth.</b>	Marc. Micheli		Clitoria guianensis (Aubl.) Benth.	shrub	2
<b>Clitoria pedunculata Micheli</b>	Marc. Micheli		Clitoria heterophylla Lam.	vine	0
<b>Collaea decumbens Bth.</b>	Marc. Micheli		Galactia decumbens (Benth.) Chodat & Hassl.	shrub	3
<b>Collaea glaucescens Bth.</b>	Marc. Micheli		Galactia glaucescens Kunth	shrub	2



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<i>Collaea macrophylla</i> Bth.	Marc. Micheli		<i>Galactia boavista</i> (Vell.) Burkart	shrub	2
<i>Collaea scarlatina</i> Mart.	Marc. Micheli		<i>Camptosema scarlatinum</i> (Mart. ex Benth.) Burkart	vine	1
<i>Copaifera langsdorffii</i> Desf.	G. Bentham		<i>Copaifera langsdorffii</i> Desf.	tree	1
<i>Copaifera trapezifolia</i> Hayne	G. Bentham		<i>Copaifera trapezifolia</i> Hayne	tree	0
<i>Crotalaria anagyroides</i> H.B.K.	Marc. Micheli		<i>Crotalaria micans</i> Link	shrub	0
<i>Crotalaria anagyroides angustifolia</i> H.B.K.	Marc. Micheli		<i>Crotalaria micans</i> Link	shrub	0
<i>Crotalaria breviflora</i> DC.	Marc. Micheli		<i>Crotalaria breviflora</i> DC.	shrub	0
<i>Crotalaria flavicoma</i> Bth.	Marc. Micheli		<i>Crotalaria flavicoma</i> Benth.	shrub	3
<i>Crotalaria incana</i> L.	Marc. Micheli		<i>Crotalaria incana</i> L.	shrub	1
<i>Crotalaria maypurensis</i> H.B.K.	Marc. Micheli		<i>Crotalaria maypurensis</i> Kunth	shrub	1
<i>Crotalaria pohliana</i> Bth.	Marc. Micheli		<i>Crotalaria breviflora</i> DC.	shrub	0
<i>Crotalaria pohliana</i> var. <i>pteroaulon</i> Desv.	Marc. Micheli		<i>Crotalaria pilosa</i> Mill.	shrub	0
<i>Crotalaria stipularia</i> var. <i>serpyllifolia</i> DC.	Marc. Micheli		<i>Crotalaria stipularia</i> Desv.	shrub	0
<i>Crotalaria unifoliata</i> Bth.	Marc. Micheli		<i>Crotalaria unifoliolata</i> Benth.	shrub	2
<i>Crotalaria velutina</i> Bth.	Marc. Micheli		<i>Crotalaria velutina</i> Benth.	shrub	1
<i>Crotalaria vespertilia</i> Bth.	Marc. Micheli		<i>Crotalaria vespertilio</i> Benth.	shrub	0
<i>Cyclobium blanchetianum</i> Tul.	Marc. Micheli		<i>Cyclobium brasiliense</i> Benth.	tree	0
<i>Dalbergia foliolosa</i> Bth.	Marc. Micheli		<i>Dalbergia foliolosa</i> Benth.	tree	0
<i>Dalbergia miscolobium</i> Bth.	Marc. Micheli		<i>Dalbergia miscolobium</i> Benth.	tree	1
<i>Dalbergia nigra</i> Allem.	Marc. Micheli		<i>Dalbergia nigra</i> (Vell.) Allemão ex Benth.	tree	0
<i>Dalbergia riparia</i> Bth.	Marc. Micheli		<i>Dalbergia riparia</i> (Mart. ex Benth.) Benth.	vine	0
<i>Dalbergia variabilis</i> Vog.	Marc. Micheli		<i>Dalbergia frutescens</i> (Vell.) Britton	shrub	0
<i>Desmodium adscendens</i> DC.	Marc. Micheli		<i>Desmodium adscendens</i> (Sw.) DC.	shrub	0
<i>Desmodium asperum</i> Desv.	Marc. Micheli		<i>Desmodium distortum</i> (Aubl.) J.F. Macbr.	shrub	0
<i>Desmodium barbatum</i> Bth.	Marc. Micheli		<i>Desmodium barbatum</i> (L.) Benth.	shrub	1
<i>Desmodium discolor</i> Vog.	Marc. Micheli		<i>Desmodium discolor</i> Vogel	shrub	0
<i>Desmodium incanum</i> DC.	Marc. Micheli		<i>Desmodium incanum</i> DC.	shrub	0
<i>Desmodium leiocarpum</i> G. Don	Marc. Micheli		<i>Desmodium leiocarpum</i> (Spreng.) G. Don	shrub	0
<i>Desmodium pachyrhizum</i> Vog.	Marc. Micheli		<i>Desmodium pachyrhizum</i> Vogel	shrub	0

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<b>Desmodium platycarpum Bth.</b>	Marc. Micheli		Desmodium platycarpum Benth.	shrub	1
<b>Desmodium uncinatum DC.</b>	Marc. Micheli		Desmodium uncinatum (Jacq.) DC.	shrub	0
<b>Dimorphandra mollis Benth.</b>	G. Bentham		Dimorphandra mollis Benth.	tree	0
<b>Dioclea rufescens Bth.</b>	Marc. Micheli		Dioclea rufescens Benth.	vine	0
<b>Dioclea violacea Mart.</b>	Marc. Micheli		Dioclea violacea Mart. ex Benth.	vine	1
<b>Enterolobium ellipticum Benth.</b>	G. Bentham		Enterolobium gummiferum (Mart.) J.F.Macbr.	tree	3
<b>Enterolobium timbouva Mart.</b>	G. Bentham		Enterolobium timbouva Mart.	tree	0
<b>Eriosema benthamianum Mart.</b>	Marc. Micheli		Eriosema benthamianum Mart. ex Benth.	shrub	6
<b>Eriosema campestre Bth.</b>	Marc. Micheli		Eriosema campestre Benth.	shrub	2
<b>Eriosema crinitum E. Mey.</b>	Marc. Micheli		Eriosema crinitum (Kunth) G.Don	shrub	2
<b>Eriosema heterophyllum Bth.</b>	Marc. Micheli		Eriosema heterophyllum Benth.	herb	2
<b>Eriosema lagoense Micheli</b>	Marc. Micheli		Eriosema campestre Benth.	shrub	2
<b>Eriosema longifolium Bth.</b>	Marc. Micheli		Eriosema longifolium Benth.	shrub	0
<b>Eriosema pycnanthum Bth.</b>	Marc. Micheli		Eriosema pycnanthum Benth.	shrub	0
<b>Eriosema rufum glabrescens Micheli</b>	Marc. Micheli		Eriosema rufum (Kunth) G.Don	shrub	0
<b>Eriosema simplicifolium Walp.</b>	Marc. Micheli		Eriosema simplicifolium (Kunth) G.Don	shrub	0
<b>Eriosema strictum Bth.</b>	Marc. Micheli		Eriosema strictum Benth.	shrub	0
<b>Erythrina falcata Bth.</b>	Marc. Micheli		Erythrina falcata Benth.	tree	0
<b>Erythrina velutina Willd.</b>	Marc. Micheli		Erythrina velutina Willd.	tree	0
<b>Ferreirea spectabilis Allem.</b>	Marc. Micheli		Sweetia fruticosa Spreng.	tree	1
<b>Galactia benthamiana Micheli</b>	Marc. Micheli		Galactia benthamiana Micheli	shrub	0
<b>Harpalyce brasiliana Bth.</b>	Marc. Micheli		Harpalyce brasiliana Benth.	shrub	5
<b>Hymenaea stigonocarpa pubescens Bth.</b>	G. Bentham		Hymenaea stigonocarpa Mart. ex Hayne	tree	4
<b>Hymenaea stilbocarpa Hayne</b>	G. Bentham		Hymenaea courbaril L.	tree	1
<b>Indigofera anil Linn.</b>	Marc. Micheli		Indigofera suffruticosa Mill.	shrub	2
<b>Indigofera elongata Micheli</b>	Marc. Micheli		Indigofera guaranítica Hassl.	herb	0
<b>Indigofera lespedezioides H.B.Kth.</b>	Marc. Micheli		Indigofera lespedezioides Kunth	shrub	1
<b>Inga affinis DC.</b>	G. Bentham		Inga vera Willd.	tree	0
<b>Inga marginata Willd.</b>	G. Bentham		Inga marginata Willd.	tree	0

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<b>Inga spuria Humb. et Bonpl.</b>	G. Bentham		Inga vera Willd.	tree	0
<b>Lonchocarpus neuroscapha pubigera Bth.</b>	Marc. Micheli		Lonchocarpus cultratus (Vell.) A.M.G. Azevedo & H.C. Lima	tree	0
<b>Lonchocarpus sericeus H.B.K.</b>	Marc. Micheli		Lonchocarpus sericeus (Poir.) Kunth ex DC.	tree	0
<b>Lupinus crotalarioides Mart.</b>	Marc. Micheli		Lupinus crotalarioides Mart. ex Benth.	shrub	0
<b>Machaerium angustifolium Vog.</b>	Marc. Micheli		Machaerium hirtum (Vell.) Stelfeld	tree	0
<b>Machaerium brasiliense Vog.</b>	Marc. Micheli		Machaerium brasiliense Vogel	tree	0
<b>Machaerium gardneri Bth.</b>	Marc. Micheli		Machaerium nyctitans (Vell.) Benth.	tree	0
<b>Machaerium opacum Vogl.</b>	Marc. Micheli		Machaerium opacum Vogel	tree	2
<b>Machaerium secundiflorum affin. Mart. ex Benth.</b>	Marc. Micheli		Machaerium lanceolatum (Vell.) J.F.Macbr.	vine	0
<b>Machaerium triste Vog.</b>	Marc. Micheli		Machaerium brasiliense Vogel	tree	0
<b>Machaerium vellosianum Bth.</b>	Marc. Micheli		Machaerium reticulatum (Poir.) Pers.	vine	0
<b>Machaerium vestitum Vog.</b>	Marc. Micheli		Machaerium brasiliense Vogel	tree	0
<b>Machaerium villosum Vog.</b>	Marc. Micheli		Machaerium villosum Vogel	tree	1
<b>Melanoxylon brauna Schott.</b>	G. Bentham		Melanoxylon brauna Schott	tree	0
<b>Mimosa asperata L.</b>	G. Bentham		Mimosa asperata L.	tree	0
<b>Mimosa calycina Benth.</b>	G. Bentham		Mimosa radula Benth.	shrub	0
<b>Mimosa capillipes Benth.</b>	G. Bentham	Warming, BAB	Mimosa gracilis Benth.	shrub	2
<b>Mimosa capillipes var.microphylla Benth.</b>	G. Bentham	Warming, C	Mimosa gracilis Benth.	shrub	2
<b>Mimosa conferta Benth.</b>	G. Bentham		Mimosa dolens Vell.	shrub	0
<b>Mimosa distans Benth.</b>	G. Bentham		Mimosa distans Benth.	shrub	0
<b>Mimosa elliptica Benth.</b>	G. Bentham		Mimosa elliptica Benth.	shrub	0
<b>Mimosa invis Mart.</b>	G. Bentham		Mimosa invis Mart. ex Colla	tree	0
<b>Mimosa lasiocarpa Benth.</b>	G. Bentham		Mimosa somnians Humb. & Bonpl. ex Willd.	shrub	0
<b>Mimosa millefoliata Scheele</b>	G. Bentham		Mimosa millefoliata Scheele	shrub	0
<b>Mimosa nervosa var.longipila Benth.</b>	G. Bentham		Mimosa hirsutissima Mart.	shrub	2
<b>Mimosa obovata Benth.</b>	G. Bentham		Mimosa laticifera Rizzini & A.Mattos	shrub	0
<b>Mimosa paludosa Benth.</b>	G. Bentham		Mimosa setosa Benth.	shrub	0
<b>Mimosa polycarpa Kunth.</b>	G. Bentham		Mimosa polycarpa Kunth	shrub	0
<b>Mimosa sensitiva Linn.</b>	G. Bentham		Mimosa sensitiva L.	shrub	0

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<b>Mimosa sepiaria Benth.</b>	G. Bentham		Mimosa bimucronata (DC.) Kuntze	tree	0
<b>Mimosa sordida Benth.</b>	G. Bentham		Mimosa aurivillus Mart.	shrub	0
<b>Mimosa warmingii Benth.</b>	G. Bentham		Pseudopiptadenia warmingii (Benth.) G.P.Lewis & M.P.Lima	tree	0
<b>Mimosa xanthocentra Mart.</b>	G. Bentham		Mimosa xanthocentra Mart.	shrub	0
<b>Mucuna altissima DC.</b>	Marc. Micheli		Mucuna urens (L.) Medik.	vine	0
<b>Myroxylon peruiferum Linn.</b>	Marc. Micheli		Myroxylon peruiferum L.f.	tree	0
<b>Ormosia fastigiata Tul. (?)</b>	Marc. Micheli		Ormosia fastigiata Tul.	tree	0
<b>Peltophorum vogelianum Benth.</b>	G. Bentham		Peltophorum dubium (Spreng.) Taub.	tree	0
<b>Periandra densiflora Bth.</b>	Marc. Micheli		Periandra densiflora Benth.	vine	0
<b>Periandra heterophylla Bth.</b>	Marc. Micheli		Periandra heterophylla Benth.	shrub	0
<b>Phaseolus appendiculatus Bth.</b>	Marc. Micheli		Condylostylis candida (Vell.) A. Delgado	vine	0
<b>Phaseolus erythroloma Mart.</b>	Marc. Micheli		Macroptilium erythroloma (Mart. ex Benth.) Urb.	vine	1
<b>Phaseolus firmulus Mart.</b>	Marc. Micheli		Ancistrotropis firmula (Mart. ex Benth.) A. Delgado	shrub	2
<b>Phaseolus monophyllum Bth.</b>	Marc. Micheli		Macroptilium monophyllum (Benth.) Maréchal & Baudet	herb	0
<b>Phaseolus obliquifolius Mart. (?)</b>	Marc. Micheli		Condylostylis candida (Vell.) A. Delgado	vine	0
<b>Phaseolus pius Mart.</b>	Marc. Micheli		Ancistrotropis peduncularis (Kunth) A. Delgado	vine	2
<b>Phaseolus prostratus angustifolius Bth.</b>	Marc. Micheli		Macroptilium prostratum (Benth.) Urb.	shrub	0
<b>Phaseolus prostratus longepedunculatus Micheli ?</b>	Marc. Micheli		Macroptilium prostratum (Benth.) Urb.	shrub	0
<b>Phaseolus truxillensis grandiflorus Micheli</b>	Marc. Micheli		Leptospron adenanthum (G. Mey.) A. Delgado	vine	0
<b>Phaseolus vulgaris L.</b>	Marc. Micheli		Phaseolus vulgaris L.	shrub	0
<b>Piptadenia laxa Benth.</b>	G. Bentham		Piptadenia adiantoides (Spreng.) J.F.Macbr.	vine	0
<b>Piptadenia macradenia Benth.</b>	G. Bentham		Piptadenia macradenia Benth.	tree	0
<b>Piptadenia macrocarpa Benth.</b>	G. Bentham		Anadenanthera colubrina (Vell.) Brenan	tree	0
<b>Pithecellobium incuriale (Well.) Benth.</b>	G. Bentham		Leucochloron incuriale (Vell.) Barneby & J.W.Grimes	tree	0
<b>Pithecellobium multiflorum Benth.</b>	G. Bentham		Albizia inundata (Mart.) Barneby & J.W.Grimes	tree	0
<b>Pithecellobium polycephalum Benth.</b>	G. Bentham		Albizia polycephala (Benth.) Killip ex Record	tree	0
<b>Plathymenia foliolosa Benth.</b>	G. Bentham		Plathymenia reticulata Benth.	tree	3
<b>Plathymenia reticulata Benth.</b>	G. Bentham		Plathymenia reticulata Benth.	tree	3
<b>Platycyamus regnellii Bth.</b>	Marc. Micheli		Platycyamus regnellii Benth.	tree	0

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<b>Platymiscium pubescens Micheli</b>	Marc. Micheli	Warming, C	Platymiscium pubescens Micheli	tree	0
<b>Platypodium elegans Vog.</b>	Marc. Micheli		Platypodium elegans Vogel	tree	1
<b>Poiretia angustifolia Vog.</b>	Marc. Micheli		Poiretia angustifolia Vogel	shrub	0
<b>Poiretia latifolia Vog.</b>	Marc. Micheli		Poiretia latifolia Vogel	shrub	0
<b>Poiretia psoraloides DC.</b>	Marc. Micheli		Poiretia tetraphylla (Poir.) Burkart	shrub	0
<b>Poiretia pubescens Vog.</b>	Marc. Micheli		Poiretia punctata (Willd.) Desv.	vine	1
<b>Poiretia scandens Vent.</b>	Marc. Micheli		Poiretia punctata (Willd.) Desv.	vine	1
<b>Pterocarpus rohrii Vohl.</b>	Marc. Micheli		Pterocarpus rohrii Vahl	tree	0
<b>Rhynchosia claussemi Bth.</b>	Marc. Micheli		Rhynchosia claussemi Benth.	shrub	2
<b>Rhynchosia minima DC. ?</b>	Marc. Micheli		Rhynchosia minima (L.) DC.	vine	0
<b>Rhynchosia phaseoloides DC.</b>	Marc. Micheli		Rhynchosia phaseoloides (Sw.) DC.	vine	0
<b>Rhynchosia reticulata DC.</b>	Marc. Micheli		Rhynchosia reticulata (Sw.) DC.	vine	1
<b>Sclerobium aureum (Benth)</b>	G. Bentham		Tachigali aurea Tul.	tree	1
<b>Sclerobium rugosum Mart</b>	G. Bentham		Tachigali rugosa (Mart. ex Benth.) Zarucchi & Pipoly	tree	0
<b>Sesbania exasperata H.B.Kth.</b>	Marc. Micheli		Sesbania exasperata Kunth	shrub	0
<b>Stenolobium brachycarpum Bth.</b>	Marc. Micheli		Calopogonium mucunoides Desv.	vine	0
<b>Stenolobium caeruleum Bth.</b>	Marc. Micheli		Calopogonium caeruleum (Benth.) C.Wright	vine	1
<b>Stryphnodendron barbatimam Mart.</b>	G. Bentham		Stryphnodendron adstringens (Mart.) Coville	tree	0
<b>Stryphnodendron polyphyllum Mart.</b>	G. Bentham		Stryphnodendron polyphyllum Mart.	tree	0
<b>Stylosanthes bracteata Vog.</b>	Marc. Micheli		Stylosanthes bracteata Vogel	shrub	0
<b>Stylosanthes guianensis Swartz</b>	Marc. Micheli		Stylosanthes guianensis (Aubl.) Sw.	shrub	2
<b>Stylosanthes guianensis gracilis Vog.</b>	Marc. Micheli		Stylosanthes guianensis (Aubl.) Sw.	shrub	2
<b>Stylosanthes leiocarpa Vog.</b>	Marc. Micheli		Stylosanthes leiocarpa Vogel	shrub	0
<b>Stylosanthes scabra Vog.</b>	Marc. Micheli		Stylosanthes scabra Vogel	shrub	0
<b>Stylosanthes viscosa Swartz</b>	Marc. Micheli		Stylosanthes viscosa (L.) Sw.	shrub	0
<b>Sweetia dasycarpa (Vog.) Bth.</b>	Marc. Micheli		Leptolobium dasycarpum Vogel	tree	3
<b>Tephrosia adunca Bth.</b>	Marc. Micheli		Tephrosia adunca Benth.	shrub	0
<b>Tephrosia leptostachya DC.</b>	Marc. Micheli		Tephrosia domingensis (Willd.) Pers.	shrub	1
<b>Tephrosia rufescens Bth.</b>	Marc. Micheli		Tephrosia adunca Benth.	shrub	0

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<b>Teramnus uncinatus Sw.</b>	Marc. Micheli		Teramnus uncinatus (L.) Sw.	vine	0
<b>Vicia obscura Vog.</b>	Marc. Micheli		Vicia montevidensis Vogel	vine	0
<b>Vigna vexillata Bth.</b>	Marc. Micheli		Vigna vexillata (L.) Rich.	vine	0
<b>Zornia brasiliensis Vog.</b>	Marc. Micheli		Zornia brasiliensis Vogel	shrub	0
<b>Zornia diphylla elatior Pers.</b>	Marc. Micheli		Zornia glabra Desv.	shrub	0
<b>Zornia diphylla pubescens Pers.</b>	Marc. Micheli		Zornia latifolia Sm.	shrub	0
<b>Zornia diphylla vulgaris-impunctata Pers.</b>	Marc. Micheli		Zornia latifolia Sm.	shrub	0
<b>Zornia virgata Moric.</b>	Marc. Micheli		Zornia virgata Moric.	shrub	0
<b>Gentianaceae</b>					
<b>Dejanira erubescens Cham. &amp; Schl.</b>	Aug. Progel		Dejanira erubescens Cham. & Schltdl.	herb	2
<b>Dejanira erubescens pallescens Griseb</b>	Aug. Progel		Dejanira pallescens Cham. & Schltdl.	herb	0
<b>Dejanira nervosa Cham. &amp; Schl.</b>	Aug. Progel		Dejanira nervosa Cham. & Schltdl.	herb	3
<b>Lisianthus amplissimus Mart.</b>	Aug. Progel		Calolisianthus amplissimus (Mart.) Gilg	herb	1
<b>Lisianthus speciosus Cham. &amp; Schl.</b>	Aug. Progel		Calolisianthus speciosus (Cham. & Schltdl.) Gilg	herb	1
<b>Lisianthus viridiflorus Mart.</b>	Aug. Progel		Chelonanthus viridiflorus (Mart.) Gilg	herb	0
<b>Schuebleria patula selloana Prog.</b>	Aug. Progel		Curtia tenuifolia (Aubl.) Knobl.	herb	0
<b>Schuebleria tenella Mart.</b>	Aug. Progel		Curtia tenella (Mart.) Cham.	herb	0
<b>Schultesia gracilis Mart.</b>	Aug. Progel		Schultesia gracilis Mart.	herb	0
<b>Voyria uniflora (?) Lam.</b>	Aug. Progel		Voyria aphylla (Jacq.) Pers.	herb	0
<b>Gesneriaceae</b>					
<b>Anetanthus gracilis Hiern.</b>	W.P.Hiern.	Warming, C	Anetanthus gracilis Hiern	herb	0
<b>Gesnera allagophylla Mart.</b>	W.P.Hiern.		Sinningia allagophylla (Mart.) Wiehler	herb	0
<b>Gesnera sceptrum Mart.</b>	W.P.Hiern.		Sinningia sceptrum (Mart.) Wiehler	shrub	0
<b>Gesnera warmingii Hiern.</b>	W.P.Hiern.		Sinningia warmingii (Hiern) Chautems	herb	1
<b>Gloxinia attenuata Hanstein</b>	W.P.Hiern.		Sphaerorrhiza sarmentiana (Gardner ex Hook.) Roalson & Boggan	herb	1
<b>Haloragaceae</b>					
<b>Myriophyllum brasiliense Cambess.</b>	A. Kanitz		Myriophyllum aquaticum (Vell.) Verdc.	herb	1
<b>Hydrocharitaceae</b>					

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<b>Elodea densa (Planchon) Caspary</b>	Seubert, U.		Egeria densa Planch.	herb	0
<b>Elodea guyanensis Rich.</b>	Seubert, U.		Apalanthe granatensis (Bonpl.) Planch.	herb	1
<b>Hydroleaceae</b>					
<b>Hydrolea spinosa L.</b>	A.W.Bennett		Hydrolea spinosa L.	shrub	0
<b>Hypericaceae</b>					
<b>Vismia brasiliensis latifolia Warmg.</b>	E. Warming		Vismia brasiliensis Choisy	tree	0
<b>Hypoxideae</b>					
<b>Hypoxis scorzoneraefolia Lam.</b>	Seubert, M.		Curculigo scorzoneraefolia (Lam.) Baker	herb	0
<b>Iridaceae</b>					
<b>Alophia linearis (Klatt)</b>	F. W. Klatt.		Larentia linearis (Kunth) Klatt	herb	0
<b>Alophia sellowiana Klatt.</b>	F. W. Klatt.		Gelasine coerulea (Vell.) Ravenna	herb	0
<b>Cipura paludosa Aubl.</b>	F. W. Klatt.		Cipura paludosa Aubl.	herb	0
<b>Cypella glauca Seub.</b>	F. W. Klatt.	Warming, C	Neomarica glauca (Seub. ex Klatt) Sprague	herb	0
<b>Cypella humilis Klatt.</b>	F. W. Klatt.		Neomarica humilis (Klatt) Capell.	herb	0
<b>Cypella lutea Klatt.</b>	F. W. Klatt.		Neomarica longifolia (Link & Otto) Sprague	herb	0
<b>Herbertia umbellata Klatt.</b>	F. W. Klatt.		Lethia umbellata (Klatt) Ravenna	herb	0
<b>Lansbergia caracasana De Vriese.</b>	F. W. Klatt.		Trimezia martinicensis (Jacq.) Herb.	herb	0
<b>Lansbergia juncifolia Klatt.</b>	F. W. Klatt.		Trimezia juncifolia (Klatt) Benth. & Hook.	herb	1
<b>Sisyrinchium alatum Hook.</b>	F. W. Klatt.		Sisyrinchium alatum Hook.	herb	0
<b>Sisyrinchium incurvatum Gardn.</b>	F. W. Klatt.		Sisyrinchium vaginatum Spreng.	herb	0
<b>Sisyrinchium luzula Klotsch.</b>	F. W. Klatt.		Sisyrinchium luzula Klotzsch ex Klatt	herb	0
<b>Sisyrinchium restioides Spreng.</b>	F. W. Klatt.		Sisyrinchium restioides Spreng.	herb	1
<b>Sisyrinchium vaginatum Spreng.</b>	F. W. Klatt.		Sisyrinchium vaginatum Spreng.	herb	0
<b>Juncaceae</b>					
<b>Juncus microcephalus typicus H. B. Kth.</b>	M. Seubert. revid. F.		Juncus microcephalus Kunth	herb	0
<b>Lamiaceae</b>					
<b>Aegiphila arborescens Vahl.</b>	W. P. Hiern		Aegiphila integrifolia (Jacq.) Moldenke	tree	0
<b>Aegiphila klotzkiana Cham.</b>	W. P. Hiern		Aegiphila verticillata Vell.	tree	4
<b>Aegiphila vitelliniflora Klotzsch</b>	W. P. Hiern		Aegiphila vitelliniflora Walp.	tree	0

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<b>Aeolanthus snavis Mart.</b>	J.A Schmidt.		Aeollanthus suaveolens Mart.	herb	0
<b>Eriope complicata Mart.</b>	J.A Schmidt.		Eriope complicata Mart. ex Benth.	shrub	0
<b>Eriope crassipes acutifolia DC.</b>	J.A Schmidt.		Eriope crassipes Benth.	shrub	0
<b>Eriope crassipes Benth.</b>	J.A Schmidt.		Eriope crassipes Benth.	shrub	0
<b>Eriope macrostachya Mart.</b>	J.A Schmidt.		Eriope macrostachya Mart. ex Benth.	shrub	1
<b>Hyptis brevipes Poit.</b>	J.A Schmidt.		Hyptis brevipes Poit.	shrub	0
<b>Hyptis cana Pohl</b>	J.A Schmidt.		Hyptidendron canum (Pohl ex Benth.) Harley	tree	1
<b>Hyptis carpinifolia Benth.</b>	J.A Schmidt.		Cantinoa carpinifolia (Benth.) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis clavellifera Benth.</b>	J.A Schmidt.		Cyanocephalus cuneatus (Pohl ex Benth.) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis coccinea Mart.</b>	J.A Schmidt.		Hypenia reticulata (Mart. ex Benth.) Harley	shrub	3
<b>Hyptis communis St. Hil.</b>	J.A Schmidt.		Cantinoa plectranthoides (Benth.) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis complicata St. Hil.</b>	J.A Schmidt.		Hyptis complicata A.St.-Hil. ex Benth.	shrub	0
<b>Hyptis crinita Benth.</b>	J.A Schmidt.		Medusantha crinita (Benth.) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis crinita polycephala Benth.</b>	J.A Schmidt.		Medusantha crinita (Benth.) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis duplicatodentata Pohl.</b>	J.A Schmidt.		Cantinoa duplicatodentata (Benth.) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis glomerata Mart.</b>	J.A Schmidt.		Oocephalus oppositiflorus (Schrank) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis glomerata villosa Mart.</b>	J.A Schmidt.		Oocephalus oppositiflorus (Schrank) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis homalophylla Pohl.</b>	J.A Schmidt.		Hyptis homalophylla Pohl ex Benth.	shrub	0
<b>Hyptis lappulacea Mart.</b>	J.A Schmidt.		Hyptis lappulacea Mart. ex Benth.	shrub	3
<b>Hyptis laxiflora Mart.</b>	J.A Schmidt.		Hypenia reticulata (Mart. ex Benth.) Harley	shrub	3
<b>Hyptis linarioides Pohl.</b>	J.A Schmidt.		Hyptis linarioides Pohl ex Benth.	shrub	1
<b>Hyptis longipes St. Hil.</b>	J.A Schmidt.		Cyanocephalus rugosus (Benth.) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis lutescens Pohl.</b>	J.A Schmidt.		Hyptis lutescens Pohl ex Benth.	shrub	0
<b>Hyptis mollissima Benth.</b>	J.A Schmidt.		Medusantha mollissima (Benth.) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis nudicaulis Benth.</b>	J.A Schmidt.		Hyptis nudicaulis Benth.	shrub	1
<b>Hyptis paludosa St. Hil.</b>	J.A Schmidt.		Hyptis paludosa A.St.-Hil. ex Benth.	herb	0
<b>Hyptis pectinata Poit.</b>	J.A Schmidt.		Mesosphaerum pectinatum (L.) Kuntze	shrub	1



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<b>Hyptis recurvata</b> Poit.	J.A Schmidt.		Hyptis recurvata Poit.	shrub	0
<b>Hyptis rubicunda</b> Pohl.	J.A Schmidt.		Hyptis rubicunda Pohl ex Benth.	shrub	0
<b>Hyptis sinuata</b> Pohl.	J.A Schmidt.		Hyptis sinuata Pohl ex Benth.	shrub	0
<b>Hyptis spicata</b> Poit.	J.A Schmidt.		Cantinoa mutabilis (Rich.) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis suaveolens</b> Poit.	J.A Schmidt.		Mesosphaerum suaveolens (L.) Kuntze	shrub	2
<b>Hyptis umbrosa</b> Salzm.	J.A Schmidt.		Mesosphaerum sidifolium (L'Hérit.) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis viscidula</b> Benth.	J.A Schmidt.		Cyanocephalus rugosus (Benth.) Harley & J.F.B.Pastore	shrub	0
<b>Hyptis vitifolia</b> Pohl.	J.A Schmidt.		Physominthe vitifolia (Pohl x Benth.) Harley, R.M. & Pastore, J.F.B.	shrub	0
<b>Keithia denudata</b> Benth.	J.A Schmidt.		Rhabdocaulon denudatum (Benth.) Epling	shrub	2
<b>Leonotis nepetaefolia</b> R. Br	J.A Schmidt.		Leonotis nepetifolia (L.) R.Br.	herb	1
<b>Leonurus sibiricus</b> L.	J.A Schmidt.		Leonurus sibiricus L.	herb	0
<b>Marsypianthes hyptoides</b> Mart.	J.A Schmidt.		Marsypianthes chamaedrys (Vahl) Kuntze	shrub	1
<b>Mentha aquatica</b> L.	J.A Schmidt.		Mentha aquatica L.	herb	0
<b>Mentha viridis</b> L.	J.A Schmidt.		Mentha spicata L.	herb	0
<b>Ocimum basilicum</b> L.	J.A Schmidt.		Ocimum basilicum L.	shrub	0
<b>Ocimum canum</b> Sims.	J.A Schmidt.		Ocimum americanum L.	shrub	0
<b>Salvia scabrida</b> Pohl.	J.A Schmidt.		Salvia scabrida Pohl	shrub	0
<b>Salvia secunda</b> Benth.	J.A Schmidt.		Salvia secunda Benth.	shrub	0
<b>Salvia tomentella</b> Pohl.	J.A Schmidt.		Salvia tomentella Pohl	shrub	0
<b>Salvia velutina</b> Benth.	J.A Schmidt.		Salvia tomentella Pohl	shrub	0
<b>Stachys arvensis</b> L.	J.A Schmidt.		Stachys arvensis L.	herb	0
<b>Vitex polygama</b> Cham.	W. P. Hiern		Vitex polygama Cham.	tree	0
<b>Lauraceae</b>					
<b>Aiouea saligna</b> Meisn.	C.F. Meissner, corr. C. Mez		Aiouea saligna Meisn.	tree	0
<b>Aniba panurensis</b> Meisn.	C.F. Meissner, corr. C. Mez		Aniba panurensis (Meisn.) Mez	tree	0
<b>Cassyta americana</b> Nees	C.F. Meissner, corr. C. Mez		Cassytha filiformis L.	vine	0
<b>Cryptocarya moschata</b> Mart.	C.F. Meissner, corr. C. Mez		Cryptocarya moschata Nees & Mart.	tree	0

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<b>Endlicheria hirsuta</b> Nees	C.F. Meissner, corr. C. Mez		Endlicheria paniculata (Spreng.) J.F.Macbr.	tree	0
<b>Nectandra grandiflora</b> Nees	C.F. Meissner, corr. C. Mez		Nectandra grandiflora Nees	tree	0
<b>Nectandra lanceolata</b> Nees	C.F. Meissner, corr. C. Mez		Nectandra lanceolata Nees	tree	0
<b>Nectandra myriantha</b> Meisn.	C.F. Meissner, corr. C. Mez		Nectandra cissiflora Nees	tree	0
<b>Nectandra nitidula</b> Nees	C.F. Meissner, corr. C. Mez		Nectandra nitidula Nees	tree	0
<b>Nectandra rigida</b> Nees	C.F. Meissner, corr. C. Mez		Nectandra rigida (Kunth) Nees	tree	0
<b>Nectandra venulosa</b> Meisn.	C.F. Meissner, corr. C. Mez		Nectandra venulosa Meisn.	tree	0
<b>Nectandra warmingii</b> Meisn.	C.F. Meissner, corr. C. Mez	Warming, C	Nectandra warmingii Meisn.	tree	0
<b>Ocotea blanchetii (Meisn.) Mez.</b>	C.F. Meissner, corr. C. Mez		Ocotea velutina (Nees) Rohwer	tree	0
<b>Ocotea corymbosa (Meisn.) Mez.</b>	C.F. Meissner, corr. C. Mez		Ocotea corymbosa (Meisn.) Mez	tree	0
<b>Ocotea glauca var.virescens (Meisn.) Mez.</b>	C.F. Meissner, corr. C. Mez		Ocotea glauca (Nees & Mart.) Mez	tree	0
<b>Ocotea laxa (Nees.) Pax.</b>	C.F. Meissner, corr. C. Mez		Ocotea laxa (Nees) Mez	tree	0
<b>Ocotea macropoda (H.B.K) Mez.</b>	C.F. Meissner, corr. C. Mez		Ocotea velloziana (Meisn.) Mez	tree	0
<b>Ocotea nutans (Nees.) Mez.</b>	C.F. Meissner, corr. C. Mez	Warming, C	Ocotea nutans (Nees) Mez	tree	0
<b>Ocotea puberula</b> Nees	C.F. Meissner, corr. C. Mez		Ocotea puberula (Rich.) Nees	tree	0
<b>Ocotea pulchella</b> Mart.	C.F. Meissner, corr. C. Mez		Ocotea pulchella (Nees & Mart.) Mez	tree	0
<b>Persea fuliginosa</b> Nees	C.F. Meissner, corr. C. Mez		Persea fuliginosa Nees & Mart.	tree	0
<b>Persea pirifolia major</b> Meisn.	C.F. Meissner, corr. C. Mez		Persea major (Meisn.) L.E.Kopp	tree	0
<b>Persea venosa</b> Nees	C.F. Meissner, corr. C. Mez		Persea venosa Nees & Mart.	tree	0
<b>Phebe patens (Meisn.) Mez.</b>	C.F. Meissner, corr. C. Mez		Ocotea indecora (Schott) Mez	tree	0
<b>Lecythidaceae</b>					
<b>Cariniana brasiliensis</b> Casar.	N. Wille		Cariniana legalis (Mart.) Kuntze	tree	0
<b>Cariniana excelsa</b> Casar.	N. Wille		Cariniana estrellensis (Raddi) Kuntze	tree	0
<b>Cariniana glaziovii</b> N. Wille	N. Wille		Cariniana estrellensis (Raddi) Kuntze	tree	0
<b>Lentibulariaceae</b>					
<b>Genlisea pusilla</b> Wrmg.	E. Warming	Warming, C	Genlisea repens Benj.	herb	0
<b>Utricularia fusiformis</b> Wrmg.	E. Warming	Warming, C	Utricularia tricolor A.St.-Hil.	herb	0
<b>Utricularia hydrocarpa</b> Vahl.	E. Warming		Utricularia hydrocarpa Vahl	herb	0
<b>Utricularia lagoensis</b> Wrmg.	E. Warming	Warming, C	Utricularia breviscapa C.Wright ex Griseb.	herb	2

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<b>Utricularia minima Wrmg.</b>	E. Warming	Warming, C	Utricularia olivacea C.Wright ex Griseb.	herb	0
<b>Utricularia pallens var.nutans Wrmg.</b>	E. Warming		Utricularia gibba L.	herb	3
<b>Utricularia purpurea Walt.</b>	E. Warming		Utricularia purpurea Walt.	herb	0
<b>Utricularia pusilla Vahl.</b>	E. Warming		Utricularia pusilla Vahl	herb	0
<b>Loganiaceae</b>					
<b>Antonia ovata var.pilosa Mart.</b>	Aug. Progel		Antonia ovata Pohl	tree	0
<b>Spigelia humboldtiana Cham. et Schl.</b>	Aug. Progel		Spigelia scabra Cham. & Schltldl.	herb	0
<b>Strychnos brasiliensis lagoensis Prog.</b>	Aug. Progel	Warming, GH, US	Strychnos brasiliensis Mart.	shrub	0
<b>Strychnos brasiliensis Mart.</b>	Aug. Progel		Strychnos brasiliensis Mart.	shrub	0
<b>Strychnos macroanthae Prog. Affin.</b>	Aug. Progel		Strychnos brasiliensis Mart.	shrub	0
<b>Strychnos marginata Benth.</b>	Aug. Progel		Strychnos parvifolia A.DC.	vine	0
<b>Strychnos martii Prog.</b>	Aug. Progel		Strychnos parvifolia A.DC.	vine	0
<b>Strychnos pseudoquina St. Hil.</b>	Aug. Progel		Strychnos pseudoquina A.St.-Hil.	tree	3
<b>Strychnos triplinervia Mart.</b>	Aug. Progel		Strychnos trinervis (Vell.) Mart.	vine	0
<b>Loranthaceae</b>					
<b>Psittacanthus dichrous Mart.</b>	A.W Eichler		Psittacanthus dichroos (Mart.) Mart.	herb	0
<b>Psittacanthus robustus Mart.</b>	A.W Eichler		Psittacanthus robustus (Mart.) Mart.	vine	4
<b>Psittacanthus warmingii Eichl.</b>	A.W Eichler	Warming, P	Psittacanthus acinarius (Mart.) Mart.	herb	0
<b>Struthanthus elegans Mart.</b>	A.W Eichler		Struthanthus elegans (Mart.) Mart.	herb	0
<b>Struthanthus pterygopus Mart.</b>	A.W Eichler		Passovia podoptera (Cham. & Schltldl.) Kuijt	herb	0
<b>Struthanthus syringifolius Mart.</b>	A.W Eichler		Struthanthus syringifolius (Mart.) Mart.	herb	0
<b>Lythraceae</b>					
<b>Cuphea arenarioides St. Hil.</b>	E. Kohne		Cuphea arenarioides A.St.-Hil.	herb	0
<b>Cuphea balsamona Cham. et Schl.</b>	E. Kohne		Cuphea carthagenensis (Jacq.) J.Macbr.	shrub	1
<b>Cuphea costata Kohne</b>	E. Kohne		Cuphea sessiliflora A.St.-Hil.	shrub	0
<b>Cuphea densiflora Kohne</b>	E. Kohne	Warming, C	Cuphea racemosa (L.f.) Spreng.	shrub	0
<b>Cuphea ingrata var.parvifolia Cham. et Schl.</b>	E. Kohne		Cuphea ingrata Cham. & Schltldl.	shrub	0
<b>Cuphea lutescens Pohl</b>	E. Kohne		Cuphea lutescens Koehne	shrub	0

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<b>Cuphea micrantha</b> H.B.K.	E. Kohne		Cuphea micrantha Kunth	shrub	1
<b>Cuphea thymoides</b> Cham. et Schl.	E. Kohne		Cuphea thymoides Cham. & Schltld.	shrub	0
<b>Cuphea warmingii</b> Kohne	E. Kohne	Warming, C	Cuphea warmingii Koehne	shrub	0
<b>Diplusodon lanceolatus alutaceus</b> Pohl	E. Kohne		Diplusodon lanceolatus Pohl	shrub	1
<b>Diplusodon lanceolatus remotus</b> Pohl	E. Kohne		Diplusodon lanceolatus Pohl	shrub	1
<b>Diplusodon serpyllifolius</b> DC.	E. Kohne		Diplusodon microphyllus Pohl	shrub	0
<b>Diplusodon villosissimus</b> Pohl	E. Kohne		Diplusodon villosissimus Pohl	shrub	0
<b>Diplusodon virgatus</b> Pohl	E. Kohne		Diplusodon virgatus Pohl	tree	1
<b>Lafoensia densiflora var.callosa</b> Pohl	E. Kohne		Lafoensia pacari A.St-Hil.	tree	1
<b>Lafoensia pacari</b> St. Hil.	E. Kohne		Lafoensia pacari A.St-Hil.	tree	1
<b>Lafoensia replicata var.lundii</b> Pohl	E. Kohne		Lafoensia vandelliana Cham. & Schltld.	tree	0
<b>Magnoliaceae</b>					
<b>Talauma ovata</b> St. Hil.	A.W. Eichler		Magnolia ovata (A.St.-Hil.) Spreng.	tree	0
<b>Malpighiaceae</b>					
<b>Banisteria albicans</b> Gr.	A. Grisebach		Banisteriopsis oxyclada (A.Juss.) B.Gates	vine	0
<b>Banisteria argyrophylla</b> Juss.	A. Grisebach		Banisteriopsis argyrophylla (A.Juss.) B.Gates	shrub	1
<b>Banisteria campestris</b> Juss.	A. Grisebach		Banisteriopsis campestris (A.Juss.) Little	shrub	2
<b>Banisteria campestris montana</b> Juss.	A. Grisebach		Banisteriopsis campestris (A.Juss.) Little	shrub	2
<b>Banisteria campestris ovata</b> Gr.	A. Grisebach		Banisteriopsis campestris (A.Juss.) Little	shrub	2
<b>Banisteria clauseniana</b> Juss.	A. Grisebach		Banisteriopsis anisandra (A.Juss.) B.Gates	vine	1
<b>Banisteria crotonifolia</b> Juss.	A. Grisebach		Banisteriopsis malifolia (Nees & Mart.) B.Gates	shrub	0
<b>Banisteria crotonifolia angustata</b> Juss.	A. Grisebach		Banisteriopsis malifolia (Nees & Mart.) B.Gates	shrub	0
<b>Banisteria laevifolia</b> Juss.	A. Grisebach		Banisteriopsis laevifolia (A.Juss.) B.Gates	shrub	5
<b>Banisteria megaphylla</b> Juss.	A. Grisebach		Banisteriopsis megaphylla (A.Juss.) B.Gates	shrub	1
<b>Banisteria praecox</b> Gr.	A. Grisebach	Warming, C	Diplopterys lutea (Griseb.) W.R.Anderson & C.Davis	vine	0
<b>Banisteria pruinosa</b> Mart.	A. Grisebach		Banisteriopsis muricata (Cav.) Cuatrec.	vine	0
<b>Banisteria pubipetala</b> Juss.	A. Grisebach		Diplopterys pubipetala (A.Juss.) W.R.Anderson & C.Davis	shrub	4
<b>Banisteria pubipetala oblongata</b> Gr.	A. Grisebach	Warming, C	Diplopterys pubipetala (A.Juss.) W.R.Anderson & C.Davis	shrub	4
<b>Banisteria pubipetala scandens</b> Gr.	A. Grisebach	Warming, C ?	Diplopterys pubipetala (A.Juss.) W.R.Anderson & C.Davis	shrub	4

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<i>Banisteriopsis nummifera</i> Juss.	A. Grisebach		<i>Banisteriopsis nummifera</i> (A.Juss.) B.Gates	vine	0
<i>Byrsonima clauseniana</i> Juss.	A. Grisebach		<i>Byrsonima clauseniana</i> A.Juss.	tree	0
<i>Byrsonima coccolobifolia</i> Kth.	A. Grisebach		<i>Byrsonima coccolobifolia</i> Kunth	shrub	3
<i>Byrsonima crassifolia</i> Kth.	A. Grisebach		<i>Byrsonima crassifolia</i> (L.) Kunth	tree	1
<i>Byrsonima intermedia</i> Juss.	A. Grisebach		<i>Byrsonima intermedia</i> A.Juss.	shrub	7
<i>Byrsonima lancifolia</i> Juss.	A. Grisebach		<i>Byrsonima lancifolia</i> A.Juss.	tree	0
<i>Byrsonima pachyphylla</i> Juss.	A. Grisebach		<i>Byrsonima pachyphylla</i> A.Juss.	tree	1
<i>Byrsonima psilandra</i> Gr.	A. Grisebach		<i>Byrsonima psilandra</i> Griseb.	shrub	0
<i>Byrsonima sericea</i> DC.	A. Grisebach		<i>Byrsonima sericea</i> DC.	tree	0
<i>Byrsonima spicata</i> Rich.	A. Grisebach		<i>Byrsonima spicata</i> (Cav.) DC.	tree	0
<i>Byrsonima vacciniifolia cearensis</i> Gr.	A. Grisebach		<i>Byrsonima vacciniifolia</i> A.Juss.	tree	0
<i>Byrsonima vacinifolia</i> Juss.	A. Grisebach		<i>Byrsonima vacciniifolia</i> A.Juss.	tree	0
<i>Byrsonima verbascifolia</i> Rich.	A. Grisebach		<i>Byrsonima verbascifolia</i> (L.) DC.	shrub	3
<i>Byrsonima verbascifolia intermedia</i> Juss.	A. Grisebach		<i>Byrsonima verbascifolia</i> (L.) DC.	shrub	3
<i>Byrsonima verbascifolia leiocarpa</i> Gr.	A. Grisebach		<i>Byrsonima verbascifolia</i> (L.) DC.	shrub	3
<i>Byrsonima verbascifolia villosa</i> Gr.	A. Grisebach		<i>Byrsonima verbascifolia</i> (L.) DC.	shrub	3
<i>Camarea affinis</i> St. Hil.	A. Grisebach		<i>Camarea affinis</i> A.St.-Hil.	shrub	0
<i>Camarea ericoides</i> St. Hil.	A. Grisebach		<i>Camarea ericoides</i> A.St.-Hil.	herb	2
<i>Dicella holosericea</i> Juss.	A. Grisebach		<i>Dicella bracteosa</i> (A.Juss.) Griseb.	vine	2
<i>Galphimia brasiliensis</i> Juss.	A. Grisebach		<i>Galphimia brasiliensis</i> (L.) A.Juss.	shrub	0
<i>Heteropteris affinis</i> Juss.	A. Grisebach		<i>Heteropteris byrsonimifolia</i> A.Juss.	shrub	4
<i>Heteropteris anoptera</i> Juss.	A. Grisebach		<i>Heteropteris eglandulosa</i> A.Juss.	vine	0
<i>Heteropteris argyrophaea</i> var. <i>eglandulosa</i> Gr.	A. Grisebach		<i>Heteropteris argyrophaea</i> A.Juss.	shrub	2
<i>Heteropteris bicolor</i> Juss.	A. Grisebach		<i>Heteropteris bicolor</i> A.Juss.	vine	0
<i>Heteropteris campestris</i> Juss.	A. Grisebach		<i>Heteropteris campestris</i> A.Juss.	shrub	0
<i>Heteropteris confertiflora</i> Juss.	A. Grisebach		<i>Heteropteris campestris</i> A.Juss.	shrub	0
<i>Heteropteris duarteana</i> Juss.	A. Grisebach		<i>Heteropteris xanthophylla</i> A.Juss.	shrub	0
<i>Heteropteris eglandulosa</i> Juss.	A. Grisebach		<i>Heteropteris eglandulosa</i> A.Juss.	vine	0
<i>Heteropteris hespectabilis</i> Mart.	A. Grisebach		<i>Heteropteris tomentosa</i> A.Juss.	shrub	0

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<b>Heteropteris thyrsoidea</b> Juss.	A. Grisebach		Heteropteris thyrsoidea (Griseb.) A.Juss.	vine	0
<b>Heteropteris umbellata</b> Juss.	A. Grisebach		Heteropteris umbellata A.Juss.	shrub	0
<b>Heteropteris verbascifolia</b> Gr.	A. Grisebach		Heteropteris tomentosa A.Juss.	shrub	0
<b>Heteropteris warmingiana</b> Gr.	A. Grisebach		Niedenzuella warmingiana (Griseb.) W.R. Anderson	vine	0
<b>Heteropteris xanthophylla var.petiolaris</b> Gr.	A. Grisebach		Heteropteris xanthophylla A.Juss.	shrub	0
<b>Mascagnia ambigua</b> Gr.	A. Grisebach		Tetrapteris ambigua (A.Juss.) Nied.	shrub	0
<b>Mascagnia ambigua var.distans</b> Gr.	A. Grisebach	Warming, GOET	Tetrapteris ambigua (A.Juss.) Nied.	shrub	0
<b>Mascagnia microphylla</b> Gr.	A. Grisebach		Tetrapteris microphylla (A.Juss.) Nied.	shrub	0
<b>Mascagnia rigida</b> Gr.	A. Grisebach		Amorimia rigida (A.Juss.) W.R.Anderson	vine	0
<b>Mascagnia sepium var.velutina</b> Gr.	A. Grisebach		Mascagnia sepium (A.Juss.) Griseb.	vine	0
<b>Peixotoa cordistipula</b> Juss.	A. Grisebach		Peixotoa cordistipula A.Juss.	shrub	0
<b>Peixotoa hirta</b> Mart.	A. Grisebach		Peixotoa hirta A.Juss.	shrub	0
<b>Peixotoa macrophylla</b> Gr.	A. Grisebach		Peixotoa reticulata Griseb.	shrub	0
<b>Peixotoa parviflora</b> Juss.	A. Grisebach		Peixotoa parviflora A.Juss.	shrub	0
<b>Pterandra pyroidea</b> Juss.	A. Grisebach		Pterandra pyroidea A.Juss.	shrub	2
<b>Schwannia elegans</b> Juss.	A. Grisebach		Janusia mediterranea (Vell.) W.R.Anderson	shrub	0
<b>Schwannia elegans var.sericea</b> Gr.	A. Grisebach	Warming, GOET ?	Janusia mediterranea (Vell.) W.R.Anderson	shrub	0
<b>Stigmaphyllon acuminatum</b> Juss.	A. Grisebach		Stigmaphyllon acuminatum A.Juss.	vine	0
<b>Stigmaphyllon affine</b> Juss.	A. Grisebach		Stigmaphyllon affine A.Juss.	vine	0
<b>Tetrapteris humilis incana</b> Gr.	A. Grisebach		Tetrapteris ramiflora A.Juss.	shrub	1
<b>Tetrapteris helianthemifolia</b> Gr.	A. Grisebach	Warming, GOET	Tetrapteris ramiflora A.Juss.	shrub	1
<b>Tetrapteris humilis</b> Juss.	A. Grisebach		Tetrapteris humilis A.Juss.	shrub	0
<b>Tetrapteris multiglandulosa</b> Juss.	A. Grisebach		Niedenzuella multiglandulosa (A.Juss.) W.R.Anderson	vine	0
<b>Tetrapteris racemulosa</b> Juss.	A. Grisebach		Tetrapteris racemulosa A.Juss.	shrub	0
<b>Tetrapteris rotundifolia</b> Juss.	A. Grisebach		Tetrapteris phlomoides (Spreng.) Nied.	vine	0

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<b>Tetrapteryx stephaniana Gr.</b>	A. Grisebach	Warming, GOET	Tetrapteryx ramiflora A.Juss.	shrub	1
<b>Tetrapteryx turnerae Mart.</b>	A. Grisebach		Tetrapteryx turnerae Mart. ex A.Juss.	shrub	0
<b>Thryalis latifolia Mart.</b>	A. Grisebach		Thryallis latifolia Mart.	vine	0
<b>Malvaceae</b>					
<b>Abutilon crispum Sw.</b>	H. Schumann et M. Gurke		Herissantia crispa (L.) Brizicky	shrub	0
<b>Abutilon rufinerve St. Hil.</b>	H. Schumann et M. Gurke		Abutilon rufinerve A.St.-Hil.	shrub	0
<b>Anoda denudata (Nees. et Mart.) K. Schum</b>	H. Schumann et M. Gurke		Briquetia denudata (Nees & Mart.) Chodat & Hassl.	shrub	0
<b>Apeiba tibourbou Aubl.</b>	C. Schumann		Apeiba tibourbou Aubl.	tree	1
<b>Ayenia riedeliana K. Sch.</b>	C. Schumann		Ayenia angustifolia A.St.-Hil. & Naudin	shrub	0
<b>Bastardia elegans K. Schum</b>	H. Schumann et M. Gurke	Warming, F	Bastardia elegans K.Schum.	shrub	0
<b>Bombax candolleanum Shum.</b>	C. Schumann.		Eriotheca candolleana (K.Schum.) A.Robyns	tree	0
<b>Bombax cyathophorum (Cas.) Schum.</b>	C. Schumann.		Pseudobombax grandiflorum (Cav.) A.Robyns	tree	0
<b>Bombax longiflorum (Mart. et Zucc.) Schum</b>	C. Schumann.		Pseudobombax longiflorum (Mart. & Zucc.) A.Robyns	shrub	1
<b>Bombax marginatum (St. Hil.) Schum</b>	C. Schumann.		Pseudobombax marginatum (A.St.-Hil.) A.Robyns	tree	1
<b>Bombax martianum Shum.</b>	C. Schumann.	Warming, C	Pseudobombax tomentosum (Mart. & Zucc.) A.Robyns	tree	0
<b>Bombax pubescens Mart. et Zucc.</b>	C. Schumann.		Eriotheca pubescens (Mart. & Zucc.) Schott & Endl.	tree	0
<b>Bombax tomentosum St. Hil.</b>	C. Schumann.		Eriotheca pubescens (Mart. & Zucc.) Schott & Endl.	tree	0
<b>Byttneria australis St. Hil.</b>	C. Schumann		Byttneria australis A.St.-Hil.	shrub	0
<b>Byttneria catalpifolia Jacq.</b>	C. Schumann		Byttneria catalpifolia Jacq.	vine	0
<b>Byttneria gayana St. Hil.</b>	C. Schumann		Byttneria gayana A.St.-Hil.	vine	0
<b>Byttneria scabra L.</b>	C. Schumann		Byttneria scabra L.	shrub	0
<b>Chorisia speciosa St. Hil.</b>	C. Schumann.		Ceiba speciosa (A.St.-Hil.) Ravenna	tree	0
<b>Cienfugosia phlomidifolia Garcke</b>	H. Schumann et M. Gurke		Cienfuegosia affinis (Kunth) Hochr.	shrub	0
<b>Corchorus hirtus L.</b>	C. Schumann		Corchorus hirtus L.	shrub	1
<b>Corchorus hirtus var.villosissimus K.Sch.</b>	C. Schumann		Corchorus hirtus L.	shrub	1
<b>Gaya gracilipes K. Schum</b>	H. Schumann et M. Gurke	Warming, C	Gaya gracilipes K.Schum.	shrub	0
<b>Gaya stricta K. Schum</b>	H. Schumann et M. Gurke		Gaya stricta K.Schum.	shrub	0
<b>Gaya villosa K. Schum</b>	H. Schumann et M. Gurke		Gaya villosa K.Schum.	shrub	0

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<b>Guariroba turbinata Pohl</b>	C. Schumann.		Quararibea turbinata (Sw.) Poir.	shrub	0
<b>Guasuma ulmifolia Lam.</b>	C. Schumann		Guazuma ulmifolia Lam.	tree	1
<b>Guasuma ulmifolia tomentella K.Sch.</b>	C. Schumann		Guazuma ulmifolia Lam.	tree	1
<b>Helicteres brevispira St. Hil.</b>	C. Schumann		Helicteres brevispira A.St.-Hil.	shrub	0
<b>Helicteres ovata Lam.</b>	C. Schumann		Helicteres ovata Lam.	shrub	0
<b>Helicteres sacarolha St. Hil.</b>	C. Schumann		Helicteres sacarolha A.St.-Hil. et al.	shrub	4
<b>Luehea divaricata Mart.</b>	C. Schumann		Luehea divaricata Mart. & Zucc.	tree	3
<b>Luehea paniculata Mart.</b>	C. Schumann		Luehea paniculata Mart. & Zucc.	shrub	0
<b>Luehea speciosa Willd.</b>	C. Schumann		Luehea speciosa Willd.	tree	0
<b>Malva parviflora Linn.</b>	H. Schumann et M. Gurke		Malva parviflora L.	shrub	0
<b>Malvastrum coromandelianum Grcke.</b>	H. Schumann et M. Gurke		Malvastrum coromandelianum Garcke	shrub	0
<b>Melochia hirsuta Cav.</b>	C. Schumann		Melochia villosa (Mill.) Fawc. & Rendle	shrub	0
<b>Melochia pyramidata L.</b>	C. Schumann		Melochia pyramidata L.	shrub	0
<b>Melochia venosa Sw.</b>	C. Schumann		Melochia pilosa (Mill.) Fawc. & Rendle	shrub	0
<b>Melochia venosa polystachya Sw.</b>	C. Schumann		Melochia pilosa (Mill.) Fawc. & Rendle	shrub	0
<b>Pavonia malacophylla (Nees. et Mart.) Garcke.</b>	H. Schumann et M. Gurke		Pavonia malacophylla (Link & Otto) Garcke	shrub	0
<b>Pavonia paniculata Cav.</b>	H. Schumann et M. Gurke		Pavonia paniculata Cav.	shrub	0
<b>Pavonia polymorpha St. Hil.</b>	H. Schumann et M. Gurke		Peltaea polymorpha (A.St.-Hil.) Krapov. & Cristóbal	shrub	0
<b>Sida acrantha Lk.</b>	H. Schumann et M. Gurke		Sida acrantha Link	herb	0
<b>Sida acuta Burm.</b>	H. Schumann et M. Gurke		Sida acuta Burm.f.	shrub	0
<b>Sida cordifolia L.</b>	H. Schumann et M. Gurke		Sida cordifolia L.	shrub	2
<b>Sida densiflora Hook. et Arn.</b>	H. Schumann et M. Gurke		Bastardiopsis densiflora (Hook. & Arn.) Hassl.	tree	1
<b>Sida linifolia L.</b>	H. Schumann et M. Gurke		Sida linifolia Cav.	shrub	1
<b>Sida macrodon DC.</b>	H. Schumann et M. Gurke		Krapovickasia macrodon (DC.) Fryxell	shrub	0
<b>Sida maritima St. Hil. (?)</b>	H. Schumann et M. Gurke		Waltheria maritima A.St.-Hil.	shrub	0
<b>Sida micrantha St. Hil.</b>	H. Schumann et M. Gurke		Sidastrum micranthum (A.St.-Hil.) Fryxell	shrub	0
<b>Sida rhombifolia L.</b>	H. Schumann et M. Gurke		Sida rhombifolia L.	herb	0
<b>Sida spinosa angustifolia L.</b>	H. Schumann et M. Gurke		Sida spinosa L.	shrub	0
<b>Sida tomentella Miq.</b>	H. Schumann et M. Gurke		Sida caudata A.St.-Hil. & Naudin	shrub	0



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<b>Sida urens L.</b>	H. Schumann et M. Gurke		Sida urens L.	shrub	1
<b>Sida viarum St. Hil.</b>	H. Schumann et M. Gurke		Sida viarum A.St.-Hil.	shrub	0
<b>Sterculia striata St. Hil. Et Naud.</b>	C. Schumann		Sterculia striata A.St.-Hil. & Naudin	tree	0
<b>Triumfetta rhomboidea Jacq.</b>	C. Schumann		Triumfetta rhomboidea Jacq.	shrub	1
<b>Triumfetta semitriloba brasiliensis Schum.</b>	C. Schumann		Triumfetta semitriloba Jacq.	shrub	1
<b>Triumfetta semitriloba martiana Schum.</b>	C. Schumann		Triumfetta semitriloba Jacq.	shrub	1
<b>Urena lobata var.americana L.</b>	H. Schumann et M. Gurke		Urena lobata L.	shrub	0
<b>Urena lobata var.reticulata (Cav.) Gurke</b>	H. Schumann et M. Gurke		Urena lobata L.	shrub	0
<b>Waltheria americana L.</b>	C. Schumann		Waltheria indica L.	shrub	1
<b>Waltheria communis St. Hil.</b>	C. Schumann		Waltheria communis A.St.-Hil.	shrub	0
<b>Waltheria communis var.vulgaris K. Sch.</b>	C. Schumann		Waltheria communis A.St.-Hil.	shrub	0
<b>Waltheria viscosissima St. Hil.</b>	C. Schumann		Waltheria viscosissima A.St.-Hil.	shrub	0
<b>Wissadula hernandioides Grcke.</b>	H. Schumann et M. Gurke		Wissadula hernandioides (L.Hér.) Garcke	shrub	2
<b>Wissadula hernandioides var.macrocarpa K. Sch.</b>	H. Schumann et M. Gurke		Wissadula hernandioides (L.Hér.) Garcke	shrub	2
<b>Wissadula periplocifolia Prsl.</b>	H. Schumann et M. Gurke		Wissadula periplocifolia (L.) C.Presl. ex Thwaites	shrub	0
<b>Marantaceae</b>					
<b>Calathea lindbergii O. G. Petersen</b>	O. G. Petersen		Goepertia arrabidae (Körn.) Borchs. & S. Suárez	herb	0
<b>Calathea sellowii Kcke.</b>	O. G. Petersen		Goepertia sellowii (Körn.) Borchs. & S. Suárez	herb	0
<b>Maranta arundinacea L.</b>	O. G. Petersen		Maranta arundinacea L.	herb	0
<b>Maranta bracteosa O. G. Petersen</b>	O. G. Petersen	Warming, F	Maranta bracteosa Petersen	herb	0
<b>Maranta parviflora O. G. Petersen</b>	O. G. Petersen	Warming, F	Maranta parvifolia Petersen	herb	0
<b>Saranthe (?) pluriflora O. G. Petersen</b>	O. G. Petersen	Warming, C	Maranta pluriflora (Petersen) K.Schum.	herb	0
<b>Stromanthe tonckat Eichl.</b>	O. G. Petersen		Stromanthe tonckat (Aubl.) Eichler	herb	0
<b>Mayacaceae</b>					
<b>Mayaca lagoensis Wrmg.</b>	E. Warming	Warming, C	Mayaca sellowiana Kunth	herb	0
<b>Mayaca longipes Mart.</b>	E. Warming		Mayaca longipes Mart. ex Seub.	herb	1
<b>Melastomataceae</b>					
<b>Acisanthera alsinaefolia (DC.) Tr.</b>	A. Cogniaux		Acisanthera quadrata Pers.	herb	0
<b>Acisanthera limnobios (DC.) Tr.</b>	A. Cogniaux		Acisanthera limnobios (Schrank & Mart. ex DC.) Triana	herb	0

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<b>Acisanthera variabilis (DC.) Tr.</b>	A. Cogniaux		Acisanthera variabilis (Mart. & Schrank) Triana	shrub	0
<b>Cambessedesia espora var.chamaedryfolia Cogn.</b>	A. Cogniaux		Cambessedesia espora (A.St.-Hil. ex Bonpl.) DC.	shrub	5
<b>Cambessedesia ilicifolia var.genuina Tr.</b>	A. Cogniaux		Cambessedesia espora (A.St.-Hil. ex Bonpl.) DC.	shrub	5
<b>Cambessedesia ilicifolia var.integerrima Tr.</b>	A. Cogniaux		Cambessedesia espora (A.St.-Hil. ex Bonpl.) DC.	shrub	5
<b>Clidemia hirta (L.) Don.</b>	A. Cogniaux		Clidemia hirta (L.) D.Don	shrub	0
<b>Clidemia neglecta Don.</b>	A. Cogniaux		Clidemia capitellata (Bonpl.) D.Don	shrub	1
<b>Clidemia spicata (Aubl.) DC.</b>	A. Cogniaux		Clidemia capitellata (Bonpl.) D.Don	shrub	1
<b>Lavoisiera alba DC.</b>	A. Cogniaux		Lavoisiera alba Mart. & Schrank ex DC.	shrub	0
<b>Leandra adenothrix Cogn.</b>	A. Cogniaux	Warming, BR	Leandra adenothrix Cogn.	shrub	1
<b>Leandra aurea (Cham.) Cogn.</b>	A. Cogniaux		Leandra aurea (Cham.) Cogn.	tree	0
<b>Leandra australis (Cham.) Cogn. (?)</b>	A. Cogniaux		Leandra australis (Cham.) Cogn.	shrub	0
<b>Leandra gardneriana var.setulosa Cogn.</b>	A. Cogniaux		Leandra gardneriana Cogn.	shrub	0
<b>Leandra lacunosa Cogn.</b>	A. Cogniaux		Leandra lacunosa Cogn.	shrub	0
<b>Leandra reversa (DC.) Cogn.</b>	A. Cogniaux		Leandra reversa (DC.) Cogn.	shrub	0
<b>Leandra salicina (Ser.) Cogn.</b>	A. Cogniaux	Warming, C	Leandra salicina (DC.) Cogn.	shrub	0
<b>Leandra scabra DC.</b>	A. Cogniaux		Leandra melastomoides Raddi	tree	0
<b>Leandra ternata Cogn.</b>	A. Cogniaux	Warming, C	Leandra ternata Cogn.	shrub	0
<b>Leandra warmingiana Cogn.</b>	A. Cogniaux	Warming, C	Leandra warmingiana Cogn.	shrub	0
<b>Macairea adenostemon DC.</b>	A. Cogniaux		Macairea radula (Bonpl.) DC.	tree	2
<b>Macairea sericea Cogn.</b>	A. Cogniaux		Macairea radula (Bonpl.) DC.	tree	2
<b>Miconia albicans (Sw.) Triana</b>	A. Cogniaux		Miconia albicans (Sw.) Triana	tree	6
<b>Miconia brevipes var.longifolia Benth.</b>	A. Cogniaux	Warming, C	Miconia trianae Cogn.	tree	0
<b>Miconia calvescens DC.</b>	A. Cogniaux		Miconia calvescens DC.	tree	0
<b>Miconia chamissois Naud.</b>	A. Cogniaux		Miconia chamissois Naudin	shrub	0
<b>Miconia cinerascens Miq.</b>	A. Cogniaux		Miconia cinerascens Miq.	tree	0
<b>Miconia discolor DC.</b>	A. Cogniaux		Miconia discolor DC.	tree	0
<b>Miconia discolor var.subconcolor Cogn.</b>	A. Cogniaux	Warming, C	Miconia discolor DC.	tree	0
<b>Miconia ferruginata latifolia DC.</b>	A. Cogniaux		Miconia ferruginata DC.	tree	3
<b>Miconia ibaguensis (Bonpl.) Triana</b>	A. Cogniaux		Miconia ibaguensis (Bonpl.) Triana	tree	6

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<b>Miconia ibaguensis var.glabrata Cogn.</b>	A. Cogniaux		Miconia ibaguensis (Bonpl.) Triana	tree	6
<b>Miconia ligustroides (DC.) Naud.</b>	A. Cogniaux		Miconia ligustroides (DC.) Naudin	shrub	3
<b>Miconia macrothyrsa Benth.</b>	A. Cogniaux		Miconia macrothyrsa Benth.	shrub	5
<b>Miconia minutiflora (Bonpl.) DC.</b>	A. Cogniaux		Miconia minutiflora (Bonpl.) DC.	tree	0
<b>Miconia pepericarpa DC.</b>	A. Cogniaux		Miconia pepericarpa DC.	tree	3
<b>Miconia prasina (Sw.) DC.</b>	A. Cogniaux		Miconia prasina (Sw.) DC.	tree	0
<b>Miconia pusilliflora (D.C) Triana</b>	A. Cogniaux		Miconia pusilliflora (DC.) Naudin	tree	0
<b>Miconia rubiginosa (Bonpl.) DC.</b>	A. Cogniaux		Miconia rubiginosa (Bonpl.) DC.	tree	4
<b>Miconia scorpioides (Schlecht.) Tr. (?)</b>	A. Cogniaux		Miconia trinervia (Sw.) D.Don	tree	0
<b>Miconia stenostachya DC.</b>	A. Cogniaux		Miconia stenostachya DC.	shrub	3
<b>Miconia theizans (Bonpl.) Cogn.</b>	A. Cogniaux		Miconia theizans (Bonpl.) Cogn.	tree	0
<b>Miconia theizans var.triplinervia (Bonpl.) Cogn.</b>	A. Cogniaux		Miconia theizans (Bonpl.) Cogn.	tree	0
<b>Miconia theizans var.glaberrima (Bonpl.) Cogn.</b>	A. Cogniaux		Miconia theizans (Bonpl.) Cogn.	tree	0
<b>Miconia theizans var.vulgaris (Bonpl.) Cogn.</b>	A. Cogniaux		Miconia theizans (Bonpl.) Cogn.	tree	0
<b>Miconia warmingiana Cogn.</b>	A. Cogniaux	Warming, BR	Miconia warmingiana Cogn.	tree	0
<b>Microlepis trianaei Cogn.</b>	A. Cogniaux		Microlepis trianaei Cogn.	shrub	0
<b>Microlicia cinerea ovata Cogn.</b>	A. Cogniaux	Warming, BR	Microlicia ericoides D.Don	shrub	0
<b>Microlicia euphorbioides ionantha Mart.</b>	A. Cogniaux		Microlicia euphorbioides Mart.	shrub	1
<b>Microlicia euphorbioides var.brevifolia Mart.</b>	A. Cogniaux		Microlicia euphorbioides Mart.	shrub	1
<b>Microlicia fasciculata Mart.</b>	A. Cogniaux		Microlicia fasciculata Mart. ex Naudin	shrub	2
<b>Microlicia fulva Cham.</b>	A. Cogniaux		Microlicia fulva (Spreng.) Cham.	shrub	0
<b>Microlicia fulva var.martialis (Naud.) Cogn.</b>	A. Cogniaux		Microlicia fulva (Spreng.) Cham.	shrub	0
<b>Microlicia subsetosa Mart. (?)</b>	A. Cogniaux		Microlicia subsetosa DC.	shrub	0
<b>Ossaea marginata (Desr.) Tr.</b>	A. Cogniaux		Ossaea marginata (Desr.) Triana	shrub	0
<b>Ossaea warmingiana Cogn.</b>	A. Cogniaux	Warming, C	Ossaea warmingiana Cogn.	shrub	0
<b>Pterolepis filiformis (Naud.) Triana</b>	A. Cogniaux		Pterolepis perpusilla (Naudin) Cogn.	herb	0
<b>Pterolepis pauciflora var.genuina (Naud.) Triana</b>	A. Cogniaux		Pterolepis repanda (DC.) Triana.	herb	0
<b>Pterolepis pauciflora var.hirsutissima (Naud.)</b>	A. Cogniaux		Pterolepis repanda (DC.) Triana.	herb	0
<b>Pterolepis pauciflora var.intermedia (Naud.)</b>	A. Cogniaux		Pterolepis repanda (DC.) Triana.	herb	0

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<b>Rhynchanthera cordata DC.</b>	A. Cogniaux		Rhynchanthera cordata DC.	shrub	0
<b>Rhynchanthera rostrata DC.</b>	A. Cogniaux		Rhynchanthera grandiflora (Aubl.) DC.	shrub	4
<b>Tibouchina candolleana (Mart.) Cogn.</b>	A. Cogniaux		Tibouchina candolleana (Mart. ex DC.) Cogn.	tree	0
<b>Tibouchina frigidula (DC.) Cogn.</b>	A. Cogniaux		Tibouchina frigidula (DC.) Cogn.	shrub	0
<b>Tibouchina gracilis var.fraterna (Bonpl.) Cogn.</b>	A. Cogniaux		Tibouchina gracilis (Bonpl.) Cogn.	shrub	0
<b>Tibouchina gracilis var.strigillosa (Bonpl.) Cogn.</b>	A. Cogniaux		Tibouchina gracilis (Bonpl.) Cogn.	shrub	0
<b>Tibouchina gracilis var.vulgaris (Bonpl.) Cogn.</b>	A. Cogniaux		Tibouchina gracilis (Bonpl.) Cogn.	shrub	0
<b>Tibouchina herbaceae (DC.) Cogn.</b>	A. Cogniaux		Tibouchina herbacea (DC.) Cogn.	shrub	0
<b>Tibouchina sebastianopolitana (Raddi) Cogn.</b>	A. Cogniaux		Tibouchina sebastianopolitana Cogn.	shrub	0
<b>Tibouchina stenocarpa (DC.) Cogn.</b>	A. Cogniaux		Tibouchina stenocarpa (Schrank & Mart. ex DC.) Cogn.	shrub	0
<b>Tibouchina stenocarpa var. latifolia (DC.) Cogn.</b>	A. Cogniaux		Tibouchina stenocarpa (Schrank & Mart. ex DC.) Cogn.	shrub	0
<b>Trembleya parviflora triflora (Don.) Cogn.</b>	A. Cogniaux		Trembleya parviflora (D.Don) Cogn.	shrub	1
<b>Trembleya parviflora var.vulgaris (Don.) Cogn.</b>	A. Cogniaux		Trembleya parviflora (D.Don) Cogn.	shrub	1
<b>Trembleya parviflora var.warmingii (Don.) Cogn.</b>	A. Cogniaux		Trembleya parviflora (D.Don) Cogn.	shrub	1
<b>Trembleya phlogiformis var. latifolia DC.</b>	A. Cogniaux		Trembleya phlogiformis DC.	shrub	1
<b>Trembleya phlogiformis var.genuina DC.</b>	A. Cogniaux		Trembleya phlogiformis DC.	shrub	1
<b>Trembleya warmingii Cogn.*</b>	A. Cogniaux	Warming, C	Trembleya warmingii Cogn.	shrub	0
<b>Meliaceae</b>					
<b>Cabralea lagoensis C.DC.</b>	Cas. De Candolle	Warming, C	Cabralea canjerana (Vell.) Mart.	tree	8
<b>Cabralea polytricha var.pallida C.DC.</b>	Cas. De Candolle	Warming, C	Cabralea canjerana (Vell.) Mart.	tree	8
<b>Cabralea warmingiana C.DC.</b>	Cas. De Candolle	Warming, C	Cabralea canjerana (Vell.) Mart.	tree	8
<b>Cabralea warmingiana var.coriaceae C.DC.</b>	Cas. De Candolle	Warming, C	Cabralea canjerana (Vell.) Mart.	tree	8
<b>Cedrela fissilis Vell.</b>	Cas. De Candolle		Cedrela fissilis Vell.	tree	0
<b>Guarea pohlii var.glabra DC.</b>	Cas. De Candolle	Warming, C	Guarea kunthiana A.Juss.	tree	0
<b>Guarea trichilioides L.</b>	Cas. De Candolle		Guarea guidonia (L.) Sleumer	tree	0
<b>Guarea warmingiana C.DC.</b>	Cas. De Candolle	Warming, C	Guarea macrophylla Vahl	tree	0
<b>Trichilia albicans C.DC.</b>	Cas. De Candolle	Warming, C	Trichilia casaretti C.DC.	tree	0
<b>Trichilia catigua A.Juss.</b>	Cas. De Candolle		Trichilia catigua A.Juss.	tree	2
<b>Trichilia catigua var.glabrior C.DC.</b>	Cas. De Candolle	Warming, C	Trichilia catigua A.Juss.	tree	2

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<b>Trichilia clausenii C.DC.</b>	Cas. De Candolle		Trichilia clausenii C.DC.	tree	2
<b>Trichilia lagoensis C.DC.</b>	Cas. De Candolle	Warming, C	Trichilia clausenii C.DC.	tree	2
<b>Trichilia lagoensis var.pubescens C.DC.</b>	Cas. De Candolle	Warming, C	Trichilia clausenii C.DC.	tree	2
<b>Trichilia pallens C.DC.</b>	Cas. De Candolle		Trichilia pallens C.DC.	shrub	0
<b>Trichilia subalata C.DC.</b>	Cas. De Candolle	Warming, C	Trichilia emarginata (Turcz.) C.DC.	tree	0
<b>Trichilia velutina C.DC.</b>	Cas. De Candolle	Warming, C	Trichilia clausenii C.DC.	tree	2
<b>Trichilia warmingii C.DC.</b>	Cas. De Candolle	Warming, C	Trichilia elegans A.Juss.	tree	1
<b>Trichilia warmingii var.macrophylla C.DC.</b>	Cas. De Candolle	Warming, C	Trichilia elegans A.Juss.	tree	1
<b>Trichilia weddellii C.DC.</b>	Cas. De Candolle		Trichilia pallida Sw.	tree	1
<b>Trichilia weddellii var.parvifolia C.DC.</b>	Cas. De Candolle	Warming, C	Trichilia pallida Sw.	tree	1
<b>Menispermaceae</b>					
<b>Cissampelos glaberrima St. Hil.</b>	A.W. Eichler		Cissampelos glaberrima A.St.-Hil.	vine	0
<b>Cissampelos ovalifolia DC.</b>	A.W. Eichler		Cissampelos ovalifolia DC.	shrub	0
<b>Cissampelos pareira Linn.</b>	A.W. Eichler		Cissampelos pareira L.	vine	0
<b>Pachygone oblongifolia Eichl.</b>	A.W. Eichler		Hyperbaena oblongifolia (Mart.) Chodat & Hassl.	vine	0
<b>Menyanthaceae</b>					
<b>Limnanthemum humboldtianum Gris.</b>	Aug. Progel		Nymphoides indica (L.) Kuntze	herb	1
<b>Monimiaceae</b>					
<b>Mollinedia brasiliensis Tul.</b>	E. Warming		Mollinedia widgrenii A. DC.	tree	0
<b>Mollinedia sellowii (Spreng.) A. DC.</b>	E. Warming		Mollinedia schottiana (Spreng.) Perkins	tree	0
<b>Siparuna cujabana Tul.</b>	E. Warming		Siparuna brasiliensis (Spreng.) A.DC.	tree	0
<b>Siparuna guianensis Aubl.</b>	E. Warming		Siparuna guianensis Aubl.	tree	0
<b>Moraceae</b>					
<b>Brosimum aubletii Popp. Endl.</b>	E. Warming		Brosimum guianense (Aubl.) Huber	tree	0
<b>Brosimum gaudichandii Trec.</b>	E. Warming		Brosimum gaudichaudii Trécul	tree	1
<b>Coussapoa schottii Miq.</b>	E. Warming		Coussapoa microcarpa (Schott) Rizzini	tree	0
<b>Dorstenia cayapia bryoniaefolia Bur.</b>	E. Bureau		Dorstenia cayapia Vell.	herb	0
<b>Dorstenia lagoensis Bur.</b>	E. Bureau	Warming, P	Dorstenia bowmaniana Baker	herb	0
<b>Dorstenia tubicina R. et Pav.</b>	E. Bureau		Dorstenia tubicina Ruiz & Pav.	herb	1

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<b>Maclura tinctoria affinis Bur.</b>	E. Bureau		Maclura tinctoria (L.) D.Don ex Steud.	tree	0
<b>Maclura tinctoria ovata Bur.</b>	E. Bureau		Maclura tinctoria (L.) D.Don ex Steud.	tree	0
<b>Maclura tinctoria xanthoxylon Bur.</b>	E. Bureau		Maclura tinctoria (L.) D.Don ex Steud.	tree	0
<b>Olmedia rigida Kl. et Kart.</b>	E. Warming		Pseudolmedia rigida (Klotzsch & H.Karst.) Cuatrec.	tree	0
<b>Pharmacosycea affin. anthelmintico Miq.</b>	E. Warming		Ficus adhatodifolia Schott	tree	0
<b>Pharmacosycea perforata Miq.</b>	E. Warming		Ficus obtusiuscula Schott	tree	0
<b>Sorocea ilicifolia Miq.</b>	E. Warming		Sorocea bonplandii (Baill.) W.C.Burger et al.	tree	0
<b>Sorocea ilicifolia hirtella Warmg.</b>	E. Warming		Sorocea guilleminiana Gaudich.	tree	0
<b>Urostigma calyptroceras Miq.</b>	E. Warming		Ficus calyptroceras (Miq.) Miq.	tree	1
<b>Urostigma doliarium Miq.</b>	E. Warming		Ficus gomelleira Kunth & C.D.Bouché	tree	0
<b>Urostigma euomphalum Miq.</b>	E. Warming		Ficus trigona L.f.	tree	0
<b>Urostigma gardnerianum Miq.</b>	E. Warming		Ficus obtusifolia Kunth	tree	0
<b>Urostigma kunthii Miq.</b>	E. Warming		Ficus maxima Mill.	tree	0
<b>Urostigma maximilianum Miq. Affin.</b>	E. Warming		Ficus trigonata L.	tree	0
<b>Urostigma pohlianum Miq. Affin.</b>	E. Warming		Ficus cestrifolia Schott	tree	0
<b>Myrtaceae</b>					
<b>Britoa sellowiana Berg.</b>	H. Kiaerskou		Campomanesia guazumifolia (Cambess.) O.Berg	tree	0
<b>Calyptranthes clusiiifolia (Miq.) Berg</b>	H. Kiaerskou		Calyptranthes clusiifolia O. Berg	tree	0
<b>Calyptranthes pteropoda Berg.</b>	H. Kiaerskou		Calyptranthes pteropoda O. Berg	tree	0
<b>Calyptranthes widgreniana Berg.</b>	H. Kiaerskou		Calyptranthes widgreniana O. Berg	tree	0
<b>Campomanesia bracteolata Kiaersk.</b>	H. Kiaerskou	Warming, C	Campomanesia pubescens (Mart. ex DC.) O.Berg	herb	1
<b>Campomanesia caerulea Berg.</b>	H. Kiaerskou		Campomanesia adamantium (Cambess.) O.Berg	shrub	4
<b>Campomanesia caerulea var.grandifolia Berg.</b>	H. Kiaerskou		Campomanesia adamantium (Cambess.) O.Berg	shrub	4
<b>Campomanesia corymbosa (Camb.) Berg</b>	H. Kiaerskou		Campomanesia pubescens (Mart. ex DC.) O.Berg	herb	1
<b>Campomanesia itanarensis Kiaersk.</b>	H. Kiaerskou		Campomanesia guazumifolia (Cambess.) O.Berg	tree	0
<b>Campomanesia rabeniana Kiaersk.</b>	H. Kiaerskou	Warming, C	Campomanesia velutina (Cambess.) O.Berg	tree	0
<b>Campomanesia regeliana (Berg.) Kiaersk.</b>	H. Kiaerskou		Psidium rufum Mart. ex DC.	tree	0
<b>Campomanesia warmingiana Kiaersk.</b>	H. Kiaerskou	Warming, C	Campomanesia pubescens (Mart. ex DC.) O.Berg	herb	1
<b>Eugenia aurata Berg.</b>	H. Kiaerskou		Eugenia aurata O. Berg	shrub	1

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<i>Eugenia bimarginata</i> DC.	H. Kiaerskou		<i>Eugenia bimarginata</i> DC.	shrub	3
<i>Eugenia bimarginata</i> var. <i>rubrocinta</i> (Berg.)	H. Kiaerskou		<i>Eugenia bimarginata</i> DC.	shrub	3
<i>Eugenia bimarginata</i> var. <i>umbellaris</i> (DC.) Kiaersk.	H. Kiaerskou		<i>Eugenia bimarginata</i> DC.	shrub	3
<i>Eugenia chnoosepala</i> Kiaersk.	H. Kiaerskou	Warming, C	<i>Siphoneugenia densiflora</i> O. Berg	tree	0
<i>Eugenia dodonaeifolia</i> Camb.	H. Kiaerskou		<i>Eugenia dodonaeifolia</i> Cambess.	tree	0
<i>Eugenia dysenterica</i> DC.	H. Kiaerskou		<i>Eugenia dysenterica</i> (Mart.) DC.	tree	1
<i>Eugenia flava</i> Berg.	H. Kiaerskou		<i>Eugenia puniceifolia</i> (Kunth) DC.	shrub	1
<i>Eugenia flavescens</i> DC.	H. Kiaerskou		<i>Eugenia flavescens</i> DC.	tree	0
<i>Eugenia fruticulosa</i> DC.	H. Kiaerskou		<i>Eugenia puniceifolia</i> (Kunth) DC.	shrub	1
<i>Eugenia gardneriana</i> Berg.	H. Kiaerskou		<i>Eugenia florida</i> DC.	tree	0
<i>Eugenia glareosa</i> Berg.	H. Kiaerskou		<i>Eugenia puniceifolia</i> (Kunth) DC.	shrub	1
<i>Eugenia glazioviana</i> Kiaersk.	H. Kiaerskou		<i>Eugenia francavilleana</i> O. Berg	tree	0
<i>Eugenia glazioviana</i> var. <i>macrophylla</i> Kiaersk.	H. Kiaerskou	Warming, C	<i>Eugenia francavilleana</i> O. Berg	tree	0
<i>Eugenia involucrata</i> DC.	H. Kiaerskou		<i>Eugenia involucrata</i> DC.	tree	0
<i>Eugenia jambos</i> L.	H. Kiaerskou		<i>Syzygium jambos</i> (L.) Alston	tree	0
<i>Eugenia klotzschiana</i> Berg.	H. Kiaerskou		<i>Eugenia klotzschiana</i> O. Berg	shrub	0
<i>Eugenia kunthiana</i> DC.	H. Kiaerskou		<i>Eugenia puniceifolia</i> (Kunth) DC.	shrub	1
<i>Eugenia lagoensis</i> Kiaersk.	H. Kiaerskou	Warming, C	<i>Eugenia lagoensis</i> Kiaersk.	tree	0
<i>Eugenia lagoensis</i> var. <i>membranacea</i> Kiaersk.	H. Kiaerskou		<i>Eugenia lagoensis</i> Kiaersk.	tree	0
<i>Eugenia leucophloea</i> var. <i>warmingiana</i> (Berg.)	H. Kiaerskou	Warming, C	<i>Myrciaria floribunda</i> (H.West ex Willd.) O.Berg	tree	0
<i>Eugenia michelii</i> Lam.	H. Kiaerskou		<i>Eugenia uniflora</i> L.	shrub	0
<i>Eugenia minensis</i> (Berg.) Kiaersk.	H. Kiaerskou		<i>Myrciaria cuspidata</i> O. Berg	shrub	1
<i>Eugenia mugiensis</i> Berg.	H. Kiaerskou		<i>Blepharocalyx salicifolius</i> (Kunth) O.Berg	tree	0
<i>Eugenia obversa</i> Berg.	H. Kiaerskou		<i>Eugenia puniceifolia</i> (Kunth) DC.	shrub	1
<i>Eugenia oligoneura</i> Berg.	H. Kiaerskou		<i>Eugenia florida</i> DC.	tree	0
<i>Eugenia pantagensis</i> Berg.	H. Kiaerskou		<i>Eugenia pantagensis</i> O. Berg	tree	0
<i>Eugenia paracatuana</i> Berg.	H. Kiaerskou		<i>Eugenia paracatuana</i> O. Berg	tree	0
<i>Eugenia pluriflora</i> DC.	H. Kiaerskou		<i>Eugenia pluriflora</i> DC.	tree	0
<i>Eugenia polyphylla</i> var. <i>obvata</i> Berg.	H. Kiaerskou		<i>Eugenia puniceifolia</i> (Kunth) DC.	shrub	1

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<i>Eugenia racemulosa</i> Berg.	H. Kiaerskou		<i>Eugenia modesta</i> DC.	tree	0
<i>Eugenia seriato-racemosa</i> Kiaersk.	H. Kiaerskou		<i>Eugenia florida</i> DC.	tree	0
<i>Eugenia tenella</i> DC.	H. Kiaerskou		<i>Myrciaria tenella</i> (DC.) O.Berg	tree	0
<i>Eugenia tenuipedunculata</i> Kiaersk.	H. Kiaerskou	Warming, C	<i>Eugenia tenuipedunculata</i> Kiaersk.	tree	0
<i>Eugenia theodora</i> Kiaersk.	H. Kiaerskou	Warming, F	<i>Eugenia theodora</i> Kiaersk.	tree	0
<i>Eugenia warmingiana</i> var. <i>pubescens</i> Kiaersk.	H. Kiaerskou		<i>Eugenia bimarginata</i> DC.	shrub	3
<i>Marlierea</i> (?) <i>antrocola</i> Kiaersk.	H. Kiaerskou	Warming, C	<i>Myrciaria glomerata</i> O. Berg	tree	0
<i>Marlierea warmingiana</i> Kiaersk.	H. Kiaerskou	Warming, C	<i>Marlierea obscura</i> O. Berg	tree	0
<i>Myrcia alloiota</i> (Berg.) Kiaersk.	H. Kiaerskou		<i>Myrcia tomentosa</i> (Aubl.) DC.	tree	6
<i>Myrcia amethystina</i> var. <i>pulchra</i> (Berg.) Kiaersk.	H. Kiaerskou		<i>Myrcia guianensis</i> (Aubl.) DC.	tree	0
<i>Myrcia andromedoides</i> Cambess.	H. Kiaerskou		<i>Myrcia venulosa</i> DC.	tree	0
<i>Myrcia candolleana</i> (Berg.) Kiaersk.	H. Kiaerskou		<i>Myrcia hebeptala</i> DC.	tree	0
<i>Myrcia corcovadensis</i> Berg.	H. Kiaerskou		<i>Myrcia splendens</i> (Sw.) DC.	tree	1
<i>Myrcia cordifolia</i> Berg.	H. Kiaerskou		<i>Myrcia lasiantha</i> DC.	shrub	0
<i>Myrcia cordifolia</i> var. <i>glabrescens</i> Kiaersk.	H. Kiaerskou	Warming, C	<i>Myrcia lasiantha</i> DC.	shrub	0
<i>Myrcia costata</i> DC.	H. Kiaerskou		<i>Myrcia splendens</i> (Sw.) DC.	tree	1
<i>Myrcia detergens</i> Miq.	H. Kiaerskou		<i>Myrcia amazonica</i> DC.	tree	0
<i>Myrcia gomidesioides</i> Kiaersk.	H. Kiaerskou	Warming, C	<i>Myrcia gomidesioides</i> Kiaersk.	tree	0
<i>Myrcia hepatica</i> (Berg.) Kiaersk.	H. Kiaerskou		<i>Myrcia guianensis</i> (Aubl.) DC.	tree	0
<i>Myrcia hirsuta</i> Berg.	H. Kiaerskou		<i>Myrcia eriopus</i> DC.	shrub	0
<i>Myrcia intermedia</i> (Berg.) Kiaersk.	H. Kiaerskou		<i>Myrcia guianensis</i> (Aubl.) DC.	tree	0
<i>Myrcia lasiantha</i> DC.	H. Kiaerskou		<i>Myrcia lasiantha</i> DC.	shrub	0
<i>Myrcia longipes</i> (Berg.) Kiaersk.	H. Kiaerskou		<i>Myrcia tomentosa</i> (Aubl.) DC.	tree	6
<i>Myrcia longipes</i> var. <i>obovata</i> (Berg.) Kiaersk.	H. Kiaerskou		<i>Myrcia tomentosa</i> (Aubl.) DC.	tree	6
<i>Myrcia nitens</i> Berg.	H. Kiaerskou		<i>Myrcia splendens</i> (Sw.) DC.	tree	1
<i>Myrcia opaca</i> <i>angustifolia</i> Berg.	H. Kiaerskou		<i>Myrcia splendens</i> (Sw.) DC.	tree	1
<i>Myrcia paraensis</i> (Berg.) Kiaersk.	H. Kiaerskou		<i>Myrcia amazonica</i> DC.	tree	0
<i>Myrcia pubiflora</i> DC.	H. Kiaerskou		<i>Myrcia pubiflora</i> DC.	tree	0
<i>Myrcia racemosa</i> (Berg.) Kiaersk.	H. Kiaerskou		<i>Myrcia racemosa</i> (O.Berg) Kiaersk.	tree	0



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<b>Myrcia ramulosa var.leptophylla</b> Kiaersk.	H. Kiaerskou	Warming, C	Myrcia selloi (Spreng.) N.Silveira	tree	2
<b>Myrcia rhodosepala</b> Kiaersk.	H. Kiaerskou		Myrcia tomentosa (Aubl.) DC.	tree	6
<b>Myrcia riparia</b> Berg.	H. Kiaerskou		Myrcia splendens (Sw.) DC.	tree	1
<b>Myrcia rostrata</b> DC.	H. Kiaerskou		Myrcia splendens (Sw.) DC.	tree	1
<b>Myrcia rufipes</b> DC.	H. Kiaerskou		Myrcia rufipes DC.	tree	1
<b>Myrcia rufipes var.pilantha (Berg.)</b> Kiaersk.	H. Kiaerskou		Myrcia rufipes DC.	tree	1
<b>Myrcia rufula</b> Miq.	H. Kiaerskou		Myrcia splendens (Sw.) DC.	tree	1
<b>Myrcia rufula martiana (Berg.)</b> Kiaersk.	H. Kiaerskou		Myrcia splendens (Sw.) DC.	tree	1
<b>Myrcia sellowiana costata</b> Berg.	H. Kiaerskou		Myrcia splendens (Sw.) DC.	tree	1
<b>Myrcia sintenisii</b> Kiaersk.	H. Kiaerskou		Myrcia fenzliana O. Berg	shrub	3
<b>Myrcia sphaerocarpa</b> DC.	H. Kiaerskou		Myrcia multiflora (Lam.) DC.	tree	0
<b>Myrcia torta</b> DC.	H. Kiaerskou		Myrcia guianensis (Aubl.) DC.	tree	0
<b>Myrcia torta var.jequitinhonhensis (Berg.)</b> Kiaersk.	H. Kiaerskou		Myrcia guianensis (Aubl.) DC.	tree	0
<b>Myrcia variabilis var.ovatifolia</b> DC.	H. Kiaerskou		Myrcia variabilis DC.	tree	0
<b>Myrcia vestita</b> DC.	H. Kiaerskou		Myrcia vestita DC.	tree	0
<b>Myrcia vestita var.parvifolia</b> Berg. Berg.	H. Kiaerskou		Myrcia vestita DC.	tree	0
<b>Myrtus (Blepharocalyx) brunnea (Berg.)</b> Kiaersk.	H. Kiaerskou		Blepharocalyx salicifolius (Kunth) O.Berg	tree	0
<b>Myrtus blanchetiana</b> Berg.	H. Kiaerskou		Psidium salutare (Kunth) O.Berg	shrub	0
<b>Myrtus pseudo-caryophyllus</b> Gomes	H. Kiaerskou		Pimenta pseudocaryophyllus (Gomes) Landrum	tree	0
<b>Myrtus velutina (Berg.)</b> Kiaersk.	H. Kiaerskou		Pimenta pseudocaryophyllus (Gomes) Landrum	tree	0
<b>Myrtus warmingiana</b> Kiaersk.	H. Kiaerskou	Warming, C	Eugenia rizzoana Mattos	tree	0
<b>Psidium aerugineum</b> Berg.	H. Kiaerskou		Psidium laruotteanum Cambess.	shrub	0
<b>Psidium araca</b> Raddi.	H. Kiaerskou		Psidium guineense Sw.	tree	0
<b>Psidium basanthum</b> Berg.	H. Kiaerskou		Psidium basanthum O.Berg.	shrub	0
<b>Psidium cinereum</b> DC.	H. Kiaerskou		Psidium grandifolium Mart. ex DC.	shrub	0
<b>Psidium eugenii</b> Kiaersk.	H. Kiaerskou	Warming, C	Psidium eugenii Kiaersk.	shrub	0
<b>Psidium firmum</b> Berg.	H. Kiaerskou		Psidium firmum O.Berg.	shrub	1
<b>Psidium grandifolium</b> DC.	H. Kiaerskou		Psidium grandifolium Mart. ex DC.	shrub	0
<b>Psidium grandifolium var.incanescens</b> Berg.	H. Kiaerskou		Psidium grandifolium Mart. ex DC.	shrub	0

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<b>Psidium guayava Raddi.</b>	H. Kiaerskou		Psidium guajava L.	tree	0
<b>Psidium incanescens var.parvifolium Berg.</b>	H. Kiaerskou		Psidium grandifolium Mart. ex DC.	shrub	0
<b>Psidium incanescens var.rotundifolium Berg.</b>	H. Kiaerskou		Psidium grandifolium Mart. ex DC.	shrub	0
<b>Psidium itanareense Berg.</b>	H. Kiaerskou		Psidium itanareense O.Berg.	tree	0
<b>Psidium lagoense Kiaersk.</b>	H. Kiaerskou	Warming, C	Psidium rufum Mart. ex DC.	tree	0
<b>Psidium ooideum Berg.</b>	H. Kiaerskou		Psidium guineense Sw.	tree	0
<b>Psidium pohlianum Berg.</b>	H. Kiaerskou		Psidium salutare (Kunth) O.Berg	shrub	0
<b>Psidium riedelianum Berg.</b>	H. Kiaerskou		Psidium grandifolium Mart. ex DC.	shrub	0
<b>Psidium rufum Mart.</b>	H. Kiaerskou		Psidium rufum Mart. ex DC.	tree	0
<b>Psidium rufum var.rotundifolia Kiaersk.</b>	H. Kiaerskou		Psidium rufum Mart. ex DC.	tree	0
<b>Psidium sorocabense Berg.</b>	H. Kiaerskou		Psidium sorocabense O.Berg.	shrub	0
<b>Psidium suffruticosum var.alata Kiaersk.</b>	H. Kiaerskou		Psidium australe Cambess.	shrub	0
<b>Psidium warmingianum Kiaersk.</b>	H. Kiaerskou		Psidium laruotteanum Cambess.	shrub	0
<b>Psidium warmingianum var.verticillata Kiaersk.</b>	H. Kiaerskou	Warming, C	Psidium laruotteanum Cambess.	shrub	0
<b>Psidium widgrenianum Berg.</b>	H. Kiaerskou		Psidium rufum Mart. ex DC.	tree	0
<b>Nyctaginaceae</b>					
<b>Boerhavia paniculata A. Richard.</b>	A. Heimerl.		Boerhavia coccinea Mill.	herb	0
<b>Mirabilis jalapa var.dichotoma L.</b>	A. Heimerl.		Mirabilis jalapa L.	shrub	0
<b>Neea theifera Orsted</b>	A. Heimerl.		Neea theifera Oerst.	tree	1
<b>Pisonia areolata Heimerl.</b>	A. Heimerl.	Warming, C	Guapira areolata (Heimerl) Lundell	tree	0
<b>Pisonia nitida Martius</b>	A. Heimerl.		Guapira opposita (Vell.) Reitz	tree	0
<b>Pisonia noxia Netts.</b>	A. Heimerl.		Guapira noxia (Netto) Lundell	shrub	2
<b>Pisonia psammophila Martius</b>	A. Heimerl.		Guapira noxia (Netto) Lundell	shrub	2
<b>Pisonia subferruginosa Martius</b>	A. Heimerl.		Guapira opposita (Vell.) Reitz	tree	0
<b>Pisonia warmingii Heimerl.</b>	A. Heimerl.		Guapira opposita (Vell.) Reitz	tree	0
<b>Nymphaeaceae</b>					
<b>Nymphaea amazonum Mart. et Zuccar.</b>	R. Caspary		Nymphaea amazonum Mart. & Zucc.	herb	1
<b>Ochnaceae</b>					
<b>Ouratea castaneoefolia (DC.) Engl.</b>	A. Engler		Ouratea castaneoefolia (DC.) Engl.	tree	1

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<b>Ouratea floribunda (St. Hil.) Engl.</b>	A. Engler		Ouratea floribunda (A.St.-Hil.) Engl.	shrub	1
<b>Ouratea riedeliana Engl.</b>	A. Engler		Ouratea riedeliana Engl.	shrub	0
<b>Ouratea salicifolia (St. Hil. &amp; Tul.) Engl.</b>	A. Engler		Ouratea salicifolia (A.St.-Hil. & Tul.) Engl.	tree	0
<b>Sauvagesia erecta L.</b>	A. W. Eichler		Sauvagesia erecta L.	herb	0
<b>Sauvagesia racemosa St. Hil.</b>	A. W. Eichler		Sauvagesia racemosa A. St.-Hil.	herb	0
<b>Olacaceae</b>					
<b>Agonandra brasiliensis Miers.</b>	A. Engler	Warming, M	Agonandra brasiliensis Miers ex Benth. & Hook.f.	tree	0
<b>Oleaceae</b>					
<b>Linociera subsessilis Eichl.</b>	A. W. Eichler	Warming, C	Chionanthus subsessilis (Eichler) P.S.Green	tree	0
<b>Onagraceae</b>					
<b>Jussiaea elegans Camb.</b>	Marc. Micheli		Ludwigia elegans (Cambess.) H.Hara	shrub	1
<b>Jussiaea filiformis Micheli.</b>	Marc. Micheli	Warming, C	Ludwigia filiformis (Micheli) Ramamoorthy	shrub	0
<b>Jussiaea laruotteana var. pubescens Camb.</b>	Marc. Micheli	Warming, C	Ludwigia laruotteana (Cambess.) H.Hara	shrub	0
<b>Jussiaea myrtifolia Camb.</b>	Marc. Micheli		Ludwigia martii (Micheli) Ramamoorthy	shrub	0
<b>Jussiaea nervosa Poir.</b>	Marc. Micheli		Ludwigia nervosa (Poir.) H.Hara	shrub	1
<b>Jussiaea octonervia Lam.</b>	Marc. Micheli		Ludwigia octovalvis (Jacq.) P.H.Raven	shrub	3
<b>Jussiaea suffruticosa L.</b>	Marc. Micheli		Ludwigia octovalvis (Jacq.) P.H.Raven	shrub	3
<b>Oocarpon jussiaeoides Micheli.</b>	Marc. Micheli		Ludwigia torulosa (Arn.) H.Hara	shrub	2
<b>Orchidaceae</b>					
<b>Aeranthes aciculatus Rchb.f.</b>	Reichembach et Warming		Campylocentrum aciculatum (Rchb.f. & Warm.) Cogn.	epiphyte	0
<b>Aeranthes intermedius Rchb.f. Warmg.</b>	Reichembach et Warming		Campylocentrum intermedium (Rchb.f. & Warm.) Rolfe	epiphyte	0
<b>Aeranthes lansbergii Rchb.f.</b>	Reichembach et Warming		Campylocentrum lansbergii (Rchb.f.) Schltr.	epiphyte	0
<b>Aeranthes neglectus Rchb.f. Warmg.</b>	Reichembach et Warming		Campylocentrum neglectum (Rchb.f. & Warm.) Cogn.	epiphyte	2
<b>Bletia gloriosa Rchb.f.</b>	Reichembach et Warming		Laelia gloriosa (Rchb.f.) L.O.Williams	herb	0
<b>Bletia lundii Rchb.f.</b>	Reichembach et Warming		Microlaelia lundii (Rchb.f.) Chiron & V.P.Castro	epiphyte	0
<b>Bletia praestans Rchb. Ldl. E. f. (?)</b>	Reichembach et Warming		Hadrolaelia praestans (Rchb.f.) Chiron & V.P.Castro	epiphyte	0
<b>Bulbophyllum chloropterum Rchb.f.</b>	Reichembach et Warming		Bulbophyllum chloropterum Rchb.f.	epiphyte	0
<b>Bulbophyllum lundianum Rchb.f.</b>	Reichembach et Warming		Bulbophyllum plumosum (Barb.Rodr.) Cogn.	herb	0

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<b>Bulbophyllum mucronifolium Rchb.f.</b>	Reichembach et Warming		Bulbophyllum mucronifolium Rchb.f. & Warm.	herb	0
<b>Bulbophyllum vittatum Rchb.f.</b>	Reichembach et Warming		Bulbophyllum exaltatum Lindl.	herb	0
<b>Catasetum atratum Lindl.</b>	Reichembach et Warming		Catasetum atratum Lindl.	epiphyte	0
<b>Catasetum barbatum Lindl.</b>	Reichembach et Warming		Catasetum barbatum (Lindl.) Lindl.	herb	0
<b>Catasetum cernuum Rchb.f.</b>	Reichembach et Warming		Catasetum cernuum (Lindl.) Rchb.f.	epiphyte	0
<b>Cyrtopera longifolia Rchb. f.</b>	Reichembach et Warming		Eulophia alta (L.) Fawc. & Rendle	herb	0
<b>Cyrtopodium blanchetii Rchb. f.</b>	Reichembach et Warming		Cyrtopodium blanchettii Rchb.f.	herb	0
<b>Cyrtopodium eugenii Rchb. f.</b>	Reichembach et Warming	Warming, W	Cyrtopodium eugenii Rchb.f.	herb	0
<b>Cyrtopodium pallidum Rchb. f.</b>	Reichembach et Warming	Warming, P	Cyrtopodium pallidum Rchb.f. & Warm.	herb	1
<b>Cyrtopodium palmifrons Rchb. f.</b>	Reichembach et Warming	Warming, W ?	Cyrtopodium palmifrons Rchb.f. & Warm.	epiphyte	0
<b>Cyrtopodium poecilum Rchb.</b>	Reichembach et Warming	Warming, W ?	Cyrtopodium poecilum Rchb.f. & Warm.	herb	1
<b>Cyrtopodium purpureum Rchb.</b>	Reichembach et Warming	Warming, W	Cyrtopodium brandonianum Barb.Rodr.	herb	0
<b>Cyrtopodium triste Rchb.</b>	Reichembach et Warming	Warming, W	Cyrtopodium triste Rchb.f. & Warm.	herb	0
<b>Cyrtopodium vernum Rchb.</b>	Reichembach et Warming	Warming, P	Cyrtopodium vernum Rchb.f. & Warm.	herb	0
<b>Cyrtopodium virescens Rchb.</b>	Reichembach et Warming	Warming, W	Cyrtopodium virescens Rchb.f. & Warm.	herb	0
<b>Epidendrum bicolor (Ldl.) Rchb.f.</b>	Reichembach et Warming		Cattleya bicolor Lindl.	epiphyte	0
<b>Epidendrum cauliflorum Lindl.</b>	Reichembach et Warming		Epidendrum cauliflorum Lindl.	herb	0
<b>Epidendrum difforme Jacq.</b>	Reichembach et Warming		Epidendrum difforme Jacq.	epiphyte	0
<b>Epidendrum ellipticum Grah.</b>	Reichembach et Warming		Epidendrum secundum Jacq.	herb	0
<b>Epidendrum nutans (Sw.) Lindl.</b>	Reichembach et Warming		Epidendrum nutans Sw.	epiphyte	0
<b>Epidendrum odoratissimum Lindl.</b>	Reichembach et Warming		Encyclia patens Hook.	epiphyte	1
<b>Epidendrum polyanthum Lindl.</b>	Reichembach et Warming		Epidendrum polyanthum Lindl.	epiphyte	0
<b>Epistephium sclerophyllum Lindl.</b>	Reichembach et Warming		Epistephium sclerophyllum Lindl.	herb	1
<b>Eulophia maculata Rchb. f.</b>	Reichembach et Warming		Oeceoclades maculata (Lindl.) Lindl.	herb	0
<b>Galeandra beyrichii Rchb. f.</b>	Reichembach et Warming		Galeandra beyrichii Rchb.f.	herb	0
<b>Galeandra lagoensis Rchb. f.</b>	Reichembach et Warming		Galeandra montana Barb.Rodr.	herb	0
<b>Govenia gardneri Hook.</b>	Reichembach et Warming		Govenia utriculata (Sw.) Lindl.	herb	0
<b>Habenaria anaplectron Rchb.f. Warmg.</b>	Reichembach et Warming	Warming, BR	Habenaria cryptophila Barb.Rodr.	herb	0
<b>Habenaria armata Rchb.f.</b>	Reichembach et Warming		Habenaria armata Rchb.f.	herb	0

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<b>Habenaria crucifera Rchb.f. Warmg.</b>	Reichembach et Warming	Warming, W ?	Habenaria crucifera Rchb.f. & Warm.	herb	0
<b>Habenaria culicina Rchb.f. Warmg.</b>	Reichembach et Warming	Warming, C	Habenaria culicina Rchb.f. & Warm.	herb	0
<b>Habenaria epiphylla Rchb.f. Warmg.</b>	Reichembach et Warming	Warming, P	Habenaria glaucophylla Barb.Rodr.	herb	0
<b>Habenaria fastor Lindl.</b>	Reichembach et Warming		Habenaria melvillei Ridl.	herb	1
<b>Habenaria hexaptera Lindl.</b>	Reichembach et Warming		Habenaria hexaptera Lindl.	herb	0
<b>Habenaria leprieurii Rchb.f.</b>	Reichembach et Warming		Habenaria leprieurii Rchb.f.	herb	0
<b>Habenaria nasuta Rchb.f. Warmg.</b>	Reichembach et Warming	Warming, HBG	Habenaria nasuta Rchb.f. & Warm.	herb	0
<b>Habenaria obtusa Lindl.</b>	Reichembach et Warming		Habenaria obtusa Lindl.	herb	0
<b>Habenaria parviflora Lindl.</b>	Reichembach et Warming		Habenaria parviflora Lindl.	herb	0
<b>Habenaria petalodes Lindl.</b>	Reichembach et Warming		Habenaria petalodes Lindl.	herb	0
<b>Habenaria pseudostylites Rchb.f. Warmg.</b>	Reichembach et Warming	Warming, BR	Habenaria hamata Barb.Rodr.	herb	0
<b>Habenaria quadrata Lindl.</b>	Reichembach et Warming		Habenaria curvilabria Barb.Rodr.	herb	0
<b>Habenaria spiranthes Rchb.f.</b>	Reichembach et Warming		Habenaria secundiflora Barb.Rodr.	herb	0
<b>Habenaria vaupellii Rchb.f. Warmg.</b>	Reichembach et Warming	Warming, C ?	Habenaria johannensis Barb.Rodr.	herb	0
<b>Habenaria warmingii Rchb.f.</b>	Reichembach et Warming		Habenaria warmingii Rchb.f.	herb	0
<b>Ionopsis paniculata Lindl.</b>	Reichembach et Warming		Ionopsis utricularioides (Sw.) Lindl.	epiphyte	0
<b>Isochilus linearis Rob. Br.</b>	Reichembach et Warming		Isochilus linearis (Jacq.) R.Br.	epiphyte	0
<b>Koellersteinia tricolor Rchb. f.</b>	Reichembach et Warming	Warming, BR ?	Koellensteinia tricolor (Lindl.) Rchb.f.	herb	0
<b>Leptotes bicolor Lindl.</b>	Reichembach et Warming		Leptotes bicolor Lindl.	epiphyte	0
<b>Liparis elata Lindl.</b>	Reichembach et Warming		Liparis nervosa (Thumb.) Lindl.	herb	1
<b>Maxillaria foveata Lindl.</b>	Reichembach et Warming		Xylobium foveatum (Lindl.) Nichols	herb	0
<b>Maxillaria iridifolia Rchb. f.</b>	Reichembach et Warming		Heterotaxis valenzuelana (A.Rich.) Ojeda & Carnevali	epiphyte	0
<b>Maxillaria meirax Rchb. f.</b>	Reichembach et Warming		Rhetinantha notylioglossa (Rchb.f.) M.A.Blanco	epiphyte	0
<b>Microstylis parthonii (Marr.) Rchb f.</b>	Reichembach et Warming		Malaxis parthonii C. Morren	herb	0
<b>Microstylis warmingii Rchb.f.</b>	Reichembach et Warming		Malaxis warmingii (Rchb.f.) Kuntze	herb	0
<b>Mormodes sinuata Rchb.f. Warmg.</b>	Reichembach et Warming		Mormodes sinuata Rchb.f. Warmg.	epiphyte	0
<b>Notylia odontonotos Rchb. f.</b>	Reichembach et Warming		Notylia odontonotos Rchb.f. & Warm.	epiphyte	0
<b>Notylia stenantha Rchb. f.</b>	Reichembach et Warming		Notylia stenantha Rchb.f.	epiphyte	0
<b>Octomeria warmingii Rchb.f.</b>	Reichembach et Warming		Octomeria warmingii Rchb.f.	epiphyte	0

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<b>Oncidium barbatum Lindl.</b>	Reichembach et Warming		Alatiglossum barbatum (Lindl.) Baptista	epiphyte	0
<b>Oncidium crispum Lodd.</b>	Reichembach et Warming		Brasilidium crispum (Lodd.) Campacci	epiphyte	0
<b>Oncidium florescens Rchb. f.</b>	Reichembach et Warming		Miltonia flavescens (Lindl.) Lindl.	epiphyte	1
<b>Oncidium praetextum Rchb. f.</b>	Reichembach et Warming		Brasilidium praetextum (Rchb.f.) Campacci	epiphyte	0
<b>Oncidium pumilum Lindl.</b>	Reichembach et Warming		Lophiaris pumila (Lindl.) Braem	epiphyte	0
<b>Ornithocephalus pigmeus Rchb. f.</b>	Reichembach et Warming		Ornithocephalus myrticola Lindl.	epiphyte	0
<b>Pelexia acianthiformis Rchb.f.</b>	Reichembach et Warming	Warming, P	Nothostele acianthiformis (Rchb.f. & Warm.) Garay	herb	0
<b>Pelexia roseoalba Rchb.f.</b>	Reichembach et Warming		Pteroglossa roseoalba (Rchb.f.) Salazar & M.W.Chase	herb	0
<b>Physurus arietinus Rchb.f.</b>	Reichembach et Warming		Microchilus arietinus (Rchb.f. & Warm.) Ormerod.	herb	0
<b>Physurus debilis major Lindl.</b>	Reichembach et Warming	Warming, W	Platythelys debilis (Lindl.) Garay	herb	0
<b>Physurus roseus Lindl.</b>	Reichembach et Warming		Ligeophila rosea (Lindl.) Garay	herb	0
<b>Pleurothallis hastulata Rchb.f.</b>	Reichembach et Warming		Specklinia hastulata (Rchb.f. & Warm.) Luer	herb	0
<b>Pleurothallis pristeoglossa Rchb.f.</b>	Reichembach et Warming		Pabstiella pristeoglossa (Rchb.f. & Warm.) Luer	epiphyte	0
<b>Pleurothallis vittata Lindl.</b>	Reichembach et Warming		Acianthera pubescens (Lindl.) Pridgeon & M.W.Chase	epiphyte	0
<b>Pleurothallis warmingii Rchb.f.</b>	Reichembach et Warming	Warming, K	Myoxanthus lonchophyllus (Barb.Rodr.) Luer	epiphyte	0
<b>Pogonia bella Rchb.f.</b>	Reichembach et Warming	Warming, BR	Cleistes bella (Rchb.f. & Warm.) Schltr.	herb	0
<b>Pogonia caloptera Rchb.f.</b>	Reichembach et Warming		Cleistes metallina (Barb.Rodr.) Schltr.	herb	0
<b>Pogonia pusilla Rchb.f.</b>	Reichembach et Warming		Triphora pusilla (Rchb.f.) Schltr.	herb	0
<b>Pogoniopsis nidus-avis Rchb.f.</b>	Reichembach et Warming		Pogoniopsis nidus-avis Rchb.f. & Warm.	herb	0
<b>Polystachya estrellensis Rchb. f.</b>	Reichembach et Warming		Polystachya estrellensis Rchb.f.	epiphyte	1
<b>Polystachya paulensis Rchb. f.</b>	Reichembach et Warming		Polystachya foliosa (Lindl.) Rchb.f.	epiphyte	0
<b>Prescottia micrantha Lindl.</b>	Reichembach et Warming		Prescottia oligantha (Sw.) Lindl.	herb	0
<b>Prescottia plantaginea Lindl.</b>	Reichembach et Warming		Prescottia plantaginifolia Lindl. ex Hook.	herb	0
<b>Rodriguezia brachystachys Rchb. f.</b>	Reichembach et Warming		Rodriguezia brachystachys Rchb.f. & Warm.	herb	0
<b>Saundersia mirabilis Rchb. f.</b>	Reichembach et Warming		Saundersia mirabilis Rchb.f.	herb	0
<b>Sophronitis cernua Lindl.</b>	Reichembach et Warming		Sophronitis cernua Lindl.	epiphyte	1
<b>Sophronitis violacea Lindl.</b>	Reichembach et Warming		Isabelia violacea (Lindl.) van den Berg & M.W.Chase	herb	0

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<b>Spiranthes balanophorastachya Rchb.</b>	Reichembach et Warming	Warming, P	Skeptrostachys balanophorostachya (Rchb.f. & Warm.) Garay	herb	0
<b>Spiranthes bicolor chloroglossa Lindl.</b>	Reichembach et Warming		Cyclopogon bicolor (Ker-Gaw.) Schltr.	herb	0
<b>Spiranthes bicolor Lindl.</b>	Reichembach et Warming		Cyclopogon bicolor (Ker-Gaw.) Schltr.	herb	0
<b>Spiranthes bonariensis Lindl.</b>	Reichembach et Warming		Pelexia bonariensis (Lindl.) Schltr.	herb	0
<b>Spiranthes bonariensis bombylifera Lindl.</b>	Reichembach et Warming		Pelexia bonariensis (Lindl.) Schltr.	herb	0
<b>Spiranthes cuculligera Rchb.</b>	Reichembach et Warming		Pelexia cuculligera (Rchb.f. & Warm.) Schltr.	herb	0
<b>Spiranthes esmeraldae Lindl.</b>	Reichembach et Warming		Mesadenella cuspidata (Lindl.) Garay	herb	0
<b>Spiranthes eugenii Rchb.</b>	Reichembach et Warming		Cyclopogon eugenii (Rchb.f.) Schltr.	herb	0
<b>Spiranthes homalogastra Rchb.</b>	Reichembach et Warming	Warming, BR	Sarcoglottis homalogastra (Rchb.f. & Warm.) Schltr.	herb	0
<b>Spiranthes lineata Lindl.</b>	Reichembach et Warming		Hapalorchis lineatus (Lindl.) Schltr.	herb	0
<b>Spiranthes macrantha Rchb. f.</b>	Reichembach et Warming		Pteroglossa macrantha (Rchb.f.) Schltr.	herb	0
<b>Spiranthes neuroptera Rchb.</b>	Reichembach et Warming	Warming, P	Veyretia simplex (Griseb.) Szlach.	herb	0
<b>Spiranthes oestriifera Rchb.</b>	Reichembach et Warming		Pelexia oestriifera (Rchb.f. & Warm.) Schltr.	herb	0
<b>Spiranthes orthosepala Rchb.</b>	Reichembach et Warming		Pelexia orthosepala (Rchb.f. & Warm.) Schltr.	herb	0
<b>Spiranthes pterygantha Rchb.</b>	Reichembach et Warming		Pelexia pterygantha (Rchb.f. & Warm.) Schltr.	herb	0
<b>Spiranthes rufescens Fisch.</b>	Reichembach et Warming		Sarcoglottis ventricosa (Vell.) Hoehne	herb	0
<b>Spiranthes sagittata Rchb.</b>	Reichembach et Warming	Warming, BR	Veyretia sagittata (Rchb.f. & Warm.) Szlach.	herb	0
<b>Spiranthes sancta Rchb.</b>	Reichembach et Warming	Warming, BR	Pelexia sancta (Rchb.f. & Warm.) Garay	herb	0
<b>Spiranthes warmingii Rchb.f.</b>	Reichembach et Warming		Cyclopogon warmingii (Rchb.f.) Schltr.	herb	0
<b>Spiranthes weirii Rchb.f.</b>	Reichembach et Warming		Pelexia laxa (Poepp. & Endl.) Lindl.	herb	0
<b>Stanhopea oculata guttulata Rchb.f.</b>	Reichembach et Warming		Stanhopea guttulata Lindl.	herb	0
<b>Stenorrhynchos aphyllus Lindl.</b>	Reichembach et Warming		Sacoila lanceolata (Aubl.) Garay	herb	0
<b>Stenorrhynchos australis Lindl.</b>	Reichembach et Warming		Sacoila lanceolata (Aubl.) Garay	herb	0
<b>Stenorrhynchos australis luteo-albus Rchb.</b>	Reichembach et Warming		Sacoila lanceolata (Aubl.) Garay	herb	0
<b>Trichocentrum fuscum Lindl.</b>	Reichembach et Warming		Trichocentrum fuscum Lindl.	herb	1
<b>Vanilla grandiflora Lindl. (?)</b>	Reichembach et Warming		Vanilla pompona Schiede	herb	0
<b>Warmingia eugenii Rchb. f.</b>	Reichembach et Warming	Warming, C	Warmingia eugenii Rchb.f.	herb	0
<b>Wulschlaegelia aphylla Rchb.f.</b>	Reichembach et Warming		Wulschlaegelia aphylla (Sw.) Rchb.f.	herb	0

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<b>Orobanchaceae</b>					
<i>Alectra brasiliensis</i> Benth.	J. A. Schimidt		<i>Melasma melampyroides</i> (Rich.) Pennell	shrub	0
<i>Alectra stricta</i> Benth.	J. A. Schimidt	Warming, C	<i>Melasma stricta</i> (Benth.) Hassl.	shrub	0
<i>Buchnera juncea</i> Cham. et Schl.	J. A. Schimidt		<i>Buchnera juncea</i> Cham. & Schldl.	hemiparasi	0
<i>Buchnera rosea</i> H. K. K.	J. A. Schimidt		<i>Buchnera rosea</i> Kunth	hemiparasi	0
<i>Castilleja communis</i> Benth.	J. A. Schimidt		<i>Castilleja arvensis</i> Schldl. & Cham.	hemiparasi	0
<i>Escobedia scabrifolia</i> R. et P.	J. A. Schimidt		<i>Escobedia grandiflora</i> (L.f.) Kuntze	shrub	0
<i>Esterhazyia splendida angustifolia</i> Mart.	J. A. Schimidt		<i>Esterhazyia splendida</i> J.C.Mikan	shrub	4
<i>Esterhazyia splendida latifolia</i> Mart.	J. A. Schimidt		<i>Esterhazyia splendida</i> J.C.Mikan	shrub	4
<b>Oxalidaceae</b>					
<i>Oxalis barrelieri</i> Jacq.	Aug. Progel		<i>Oxalis barrelieri</i> L.	herb	0
<i>Oxalis corniculata</i> L.	Aug. Progel		<i>Oxalis corniculata</i> L.	herb	0
<i>Oxalis decipiens</i> Prog.*	Aug. Progel		<i>Oxalis decipiens</i> Prog.	herb	0
<i>Oxalis elatior</i> Prog.	Aug. Progel		<i>Oxalis cytisoides</i> Mart. ex Zucc.	shrub	0
<i>Oxalis glazioviana</i> Prog.	Aug. Progel		<i>Oxalis confertissima</i> A.St.-Hil.	shrub	0
<i>Oxalis hirsutissima</i> Zucc.	Aug. Progel		<i>Oxalis hirsutissima</i> Mart. ex Zucc.	shrub	0
<i>Oxalis martiana</i> Zucc. (?)	Aug. Progel		<i>Oxalis debilis</i> Kunth	herb	1
<i>Oxalis neaei</i> DC.	Aug. Progel		<i>Oxalis frutescens</i> L.	shrub	0
<i>Oxalis nigricans</i> Pohl	Aug. Progel	Warming, C	<i>Oxalis nigrescens</i> A.St.-Hil.	shrub	3
<i>Oxalis physocalyx</i> Zucc.	Aug. Progel		<i>Oxalis grisea</i> A.St.-Hil. & Naudin	shrub	1
<i>Oxalis radiata</i> Pohl	Aug. Progel	Warming, C	<i>Oxalis radiata</i> Pohl ex Progel	herb	0
<i>Oxalis triangularis</i> var. <i>lepida</i> Prog.	Aug. Progel		<i>Oxalis triangularis</i> A. St.-Hil.	herb	0
<i>Oxalis villosa</i> Prog.	Aug. Progel		<i>Oxalis riparia</i> Norlind	herb	0
<b>Papaveraceae</b>					
<i>Argemone mexicana</i> Linn.	A. W. Eichler		<i>Argemone mexicana</i> L.	herb	0
<i>Fumaria capreolata</i> Linn.	A. W. Eichler		<i>Fumaria capreolata</i> L.	herb	0
<b>Passifloraceae</b>					
<i>Passiflora alata</i> Ait.	Maxwell T. Masters		<i>Passiflora alata</i> Curtis	vine	1
<i>Passiflora capsularis</i> Linn.	Maxwell T. Masters		<i>Passiflora capsularis</i> L.	vine	0



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<b>Passiflora clathrata Mast.</b>	Maxwell T. Masters		Passiflora clathrata Mast.	shrub	0
<b>Passiflora edulis Sims</b>	Maxwell T. Masters		Passiflora edulis Sims	vine	1
<b>Passiflora malacophylla Mast.</b>	Maxwell T. Masters	Warming ?, C	Passiflora malacophylla Mast.	vine	0
<b>Passiflora maximiliana Bory.</b>	Maxwell T. Masters		Passiflora misera Kunth	vine	1
<b>Passiflora mucronata Lam.</b>	Maxwell T. Masters		Passiflora mucronata Lam.	vine	0
<b>Passiflora rotundifolia Linn.</b>	Maxwell T. Masters		Passiflora rotundifolia L.	vine	0
<b>Passiflora rubra Linn.</b>	Maxwell T. Masters		Passiflora rubra L.	vine	0
<b>Passiflora suberosa L.</b>	Maxwell T. Masters		Passiflora suberosa L.	vine	0
<b>Passiflora villosa Vell.</b>	Maxwell T. Masters		Passiflora amethystina J.C.Mikan	vine	0
<b>Passiflora violacea Vell.</b>	Maxwell T. Masters		Passiflora amethystina J.C.Mikan	vine	0
<b>Passiflora warmingii Mast.</b>	Maxwell T. Masters	Warming, C	Passiflora morifolia Mast.	vine	0
<b>Pentaphragaceae</b>					
<b>Ternstroemia brasiliensis Camb.</b>	H. Warra		Ternstroemia brasiliensis Cambess.	tree	0
<b>Peraceae</b>					
<b>Pera glabrata Baill.</b>	Joh. Muller (Argov.)		Pera glabrata (Schott) Poepp. ex Baill.	tree	0
<b>Pera leandri genuina Mull.</b>	Joh. Muller (Argov.)		Pera heteranthera (Schrank) I.M.Johnst.	tree	0
<b>Phyllanthaceae</b>					
<b>Phyllanthus acuminatus Vahl</b>	Joh. Muller (Argov.)		Phyllanthus acuminatus Vahl	tree	7
<b>Phyllanthus diffusus genuinus Mull.</b>	Joh. Muller (Argov.)		Phyllanthus stipulatus (Raf.) G.L.Webster	shrub	0
<b>Phyllanthus hyssopifolius Kunth.</b>	Joh. Muller (Argov.)		Phyllanthus hyssopifolioides Kunth	shrub	0
<b>Phyllanthus lagoensis Mull. Arg.</b>	Joh. Muller (Argov.)	Warming, C	Phyllanthus acutifolius Poir. ex Spreng.	shrub	0
<b>Phyllanthus lathyroides genuinus Mull.</b>	Joh. Muller (Argov.)		Phyllanthus niruri L.	shrub	0
<b>Phyllanthus leptocaulos Mull.</b>	Joh. Muller (Argov.)	Warming, C	Phyllanthus leptocaulos Müll.Arg.	shrub	0
<b>Phyllanthus nobilis pavonianus Mull.</b>	Joh. Muller (Argov.)		Margaritaria nobilis L.f.	shrub	0
<b>Phyllanthus simplicicaulis Mull.</b>	Joh. Muller (Argov.)		Phyllanthus simplicicaulis Müll.Arg.	herb	0
<b>Phytolaccaceae</b>					
<b>Phytolacca decandra L.</b>	E. Warming		Phytolacca americana L.	shrub	0
<b>Picramniaceae</b>					
<b>Picramnia sellowii Planch.</b>	A. Engler		Picramnia sellowii Planch.	tree	0

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<i>Picramnia warmingiana</i> Engl.	A. Engler	Warming, B	<i>Picramnia ramiflora</i> Planch.	tree	0
<b>Piperaceae</b>					
<i>Peperomia alata</i> R. et Pav.	Cas. De Candolle		<i>Peperomia alata</i> Ruiz & Pav.	herb	0
<i>Peperomia blanda</i> Kunth	Cas. De Candolle		<i>Peperomia blanda</i> (Jacq.) Kunth	herb	0
<i>Peperomia diffusa</i> C.DC.	Cas. De Candolle		<i>Peperomia loxensis</i> Kunth	epiphyte	0
<i>Peperomia galioides</i> Kunth	Cas. De Candolle		<i>Peperomia galioides</i> Kunth	herb	0
<i>Peperomia gardneriana</i> Miq	Cas. De Candolle		<i>Peperomia gardneriana</i> Miq.	herb	0
<i>Peperomia increscens</i> Miq.	Cas. De Candolle		<i>Peperomia blanda</i> (Jacq.) Kunth	herb	0
<i>Peperomia myriocarpa</i> Miq	Cas. De Candolle		<i>Peperomia elongata</i> Kunth	herb	0
<i>Peperomia pilosula</i> C.DC.	Cas. De Candolle	Warming, G	<i>Peperomia urocarpa</i> Fischer & Meyer	herb	0
<i>Peperomia quadrifolia</i> Kunth	Cas. De Candolle		<i>Peperomia quadrifolia</i> (L.) Kunth	herb	0
<i>Peperomia warmingii</i> C.DC.	Cas. De Candolle	Warming, C	<i>Peperomia warmingii</i> C. DC.	herb	0
<i>Piper angustifolium</i> R. et Pav.	Cas. De Candolle		<i>Piper aduncum</i> L.	tree	0
<i>Piper angustifolium cordulatum</i> C.DC.	Cas. De Candolle		<i>Piper aduncum</i> L.	tree	0
<i>Piper atosanguineum</i> C.DC.	Cas. De Candolle	Warming, C	<i>Piper ovatum</i> Vahl	shrub	0
<i>Piper bennettianum</i> C.DC. (?)	Cas. De Candolle		<i>Piper bennettianum</i> C. DC.	shrub	0
<i>Piper brevistipitatum</i> C.DC.	Cas. De Candolle	Warming, LE	<i>Piper ovatum</i> Vahl	shrub	0
<i>Piper ciliatum</i> C.DC.	Cas. De Candolle		<i>Piper malacophyllum</i> (C.Presl) C.DC.	shrub	0
<i>Piper corcovadensis</i> C.DC.	Cas. De Candolle	Warming, C	<i>Piper corcovadensis</i> (Miq.) C.DC.	shrub	0
<i>Piper dilatatum pubescens</i> C.DC.	Cas. De Candolle		<i>Piper cuyabanum</i> C. DC.	shrub	0
<i>Piper exserens</i> (Miq.) C.DC. (?)	Cas. De Candolle		<i>Piper crassinervium</i> Kunth	shrub	0
<i>Piper frutescens</i> C.DC.	Cas. De Candolle	Warming, C	<i>Piper frutescens</i> C. DC.	shrub	0
<i>Piper frutescens microcarpum</i> C.DC.	Cas. De Candolle	Warming, GDC	<i>Piper corcovadensis</i> (Miq.) C.DC.	shrub	0
<i>Piper inversum</i> C.DC.	Cas. De Candolle	Warming, C	<i>Piper lhotzkyanum</i> Kunth	shrub	0
<i>Piper jaborandi</i> Vell.	Cas. De Candolle		<i>Piper miquelianum</i> C. DC.	shrub	0
<i>Piper laetum</i> C.DC. (?)	Cas. De Candolle		<i>Piper ovatum</i> Vahl	shrub	0
<i>Piper lagoaense</i> C.DC.	Cas. De Candolle	Warming, C	<i>Piper lagoaense</i> C.DC	shrub	0
<i>Piper lanceolatum</i> R. et Pav.	Cas. De Candolle		<i>Piper lanceolatum</i> Ruiz & Pav.	shrub	0
<i>Piper mollicomum</i> Kunth	Cas. De Candolle		<i>Piper mollicomum</i> Kunth	shrub	0

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<b>Piper obliquum R. et Pav.</b>	Cas. De Candolle		Piper obliquum Ruiz & Pav.	shrub	0
<b>Piper obscurum C.DC.</b>	Cas. De Candolle	Warming, C	Piper gaudichaudianum Kunth	shrub	0
<b>Piper obumbratum C.DC.</b>	Cas. De Candolle		Piper arboreum Aubl.	shrub	0
<b>Piper palescens C.DC.</b>	Cas. De Candolle		Piper regnellii (Miq.) C. DC.	shrub	0
<b>Piper palustre C.DC.</b>	Cas. De Candolle	Warming, C	Piper fuliginum Kunth	shrub	0
<b>Piper parthenium Mart.</b>	Cas. De Candolle		Piper mikanianum (Kunth) Steud.	shrub	0
<b>Piper pilosum C.DC.</b>	Cas. De Candolle	Warming, C	Piper caldasianum (Miq.) Yunck.	shrub	0
<b>Piper pseudoamalago C.DC.</b>	Cas. De Candolle	Warming, C	Piper amalago L.	shrub	1
<b>Piper pseudomollicomum dichotomum C.DC.</b>	Cas. De Candolle		Piper mollicomum Kunth	shrub	0
<b>Piper rivulare C.DC.</b>	Cas. De Candolle	Warming, C	Piper lucaeanum Kunth	shrub	0
<b>Piper rivulare hygrophilum C.DC.</b>	Cas. De Candolle		Piper lucaeanum Kunth	shrub	0
<b>Piper rohrii C.DC.</b>	Cas. De Candolle		Piper amplum Kunth	shrub	0
<b>Piper scutelliferum C.DC.</b>	Cas. De Candolle	Warming, S	Piper caldasianum (Miq.) Yunck.	shrub	0
<b>Piper sprengelianum C.DC.</b>	Cas. De Candolle		Piper sprengelianum C. DC.	shrub	0
<b>Piper subglaucum C.DC.</b>	Cas. De Candolle	Warming, C	Piper corcovadensis (Miq.) C.DC.	shrub	0
<b>Piper subpeltatum sidaefolium C.DC.</b>	Cas. De Candolle		Piper umbellatum L.	shrub	0
<b>Piper vaginans C.DC.</b>	Cas. De Candolle	Warming, C	Piper vaginans C. DC.	shrub	0
<b>Piper villosulum C.DC.</b>	Cas. De Candolle	Warming, C	Piper amalago L.	shrub	1
<b>Plantaginaceae</b>					
<b>Beyrichia ocymoides Cham. et Schl.</b>	J. A. Schimidt		Achetaria ocymoides (Cham. & Schltdl.) Wettst.	shrub	0
<b>Herpestis lanigera Cham. et Schl.</b>	J. A. Schimidt		Bacopa lanigera (Cham. & Schltdl.) Wettst.	herb	0
<b>Herpestis ranaria Benth.</b>	J. A. Schimidt		Bacopa monnieroides (Cham.) B.L.Rob.	herb	0
<b>Herpestis serpylloides Cham.</b>	J. A. Schimidt		Mecardonia serpylloides (Cham. & Schltdl.) Pennell	herb	0
<b>Herpestis stricta Schrad.</b>	J. A. Schimidt		Bacopa stricta (Schrad.) Wettst. ex Edwall	shrub	0
<b>Herpestis tenella Cham. et Schl.</b>	J. A. Schimidt		Mecardonia procumbens (Mill.) Small	herb	0
<b>Scoparia dulcis L.</b>	J. A. Schimidt		Scoparia dulcis L.	shrub	2
<b>Stemodia durantifolia Sw.</b>	J. A. Schimidt		Stemodia durantifolia (L.) Sw.	herb	0
<b>Stemodia hyptoides Cham. et Schl.</b>	J. A. Schimidt		Stemodia hyptoides Cham. & Schltdl.	herb	0
<b>Stemodia parviflora Ait.</b>	J. A. Schimidt		Stemodia verticillata (Mill.) Hassl.	herb	0

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<b>Poaceae</b>					
<b>Andropogon bicornis L.</b>	J. C. Döll et E. Hackel		Andropogon bicornis L.	herb	0
<b>Andropogon carinatus exserens Hack.</b>	J. C. Döll et E. Hackel		Andropogon carinatus Nees	herb	0
<b>Andropogon carinatus genuinus Hack.</b>	J. C. Döll et E. Hackel		Andropogon carinatus Nees	herb	0
<b>Andropogon condensatus paniculatus Hack.</b>	J. C. Döll et E. Hackel		Schizachyrium condensatum (Kunth) Nees	herb	0
<b>Andropogon hypogynus conjungens Hack.</b>	J. C. Döll et E. Hackel	Warming, W	Andropogon hypogynus Hack.	herb	0
<b>Andropogon hypogynus Hack.</b>	J. C. Döll et E. Hackel		Andropogon hypogynus Hack.	herb	0
<b>Andropogon myosurus Presl.</b>	J. C. Döll et E. Hackel		Schizachyrium sanguineum (Retz.) Alston	herb	0
<b>Andropogon riedelii Trin.</b>	J. C. Döll et E. Hackel		Schizachyrium sanguineum (Retz.) Alston	herb	0
<b>Andropogon rufus Kth.</b>	J. C. Döll et E. Hackel		Hyparrhenia rufa (Nees) Stapf	herb	0
<b>Andropogon semiberbis Kunth.</b>	J. C. Döll et E. Hackel		Schizachyrium sanguineum (Retz.) Alston	herb	0
<b>Andropogon spathiflorus Kth.</b>	J. C. Döll et E. Hackel		Andropogon virgatus Desv.	herb	1
<b>Andropogon tener genuinus Kth.</b>	J. C. Döll et E. Hackel		Schizachyrium tenerum Nees	herb	1
<b>Andropogon ternatus macrothrix Hackel.</b>	J. C. Döll et E. Hackel		Andropogon macrothrix Trin.	herb	0
<b>Andropogon villosus Nees</b>	J. C. Döll et E. Hackel		Agenium villosum (Nees) Pilg.	herb	0
<b>Andropogon virginicus L.</b>	J. C. Döll et E. Hackel		Andropogon virginicus L.	herb	0
<b>Aristida recurvata H. B. K.</b>	J. C. Döll et E. Hackel		Aristida recurvata Kunth	herb	0
<b>Aristida sanctae-luciae Trin.</b>	J. C. Döll et E. Hackel		Aristida sanctae-luciae Trin.	herb	0
<b>Aristida tinctoria Trin. et Rupr.</b>	J. C. Döll et E. Hackel		Aristida torta (Nees) Kunth	herb	0
<b>Arthrostylidium trinii Munro.</b>	J. C. Döll et E. Hackel		Rhipidocladum parviflorum (Trin.) McClure	tree	0
<b>Arundinaria verticillata Nees (?)</b>	J. C. Döll et E. Hackel		Actinocladum verticillatum (Nees) McClure ex Soderstr.	herb	1
<b>Arundinella brasiliensis Raddi.</b>	J. C. Döll et E. Hackel		Arundinella hispida (Humb. & Bonpl. ex Willd.) Kuntze	herb	0
<b>Arundinella martinicensis Trin.</b>	J. C. Döll et E. Hackel		Arundinella hispida (Humb. & Bonpl. ex Willd.) Kuntze	herb	0
<b>Cenchrus echinatus L.</b>	J. C. Döll et E. Hackel		Cenchrus echinatus L.	herb	1
<b>Chloris polydactyla Sw.</b>	J. C. Döll et E. Hackel		Chloris elata Desv.	herb	0
<b>Chloris radiata Swartz.</b>	J. C. Döll et E. Hackel		Chloris radiata (L.) Sw.	herb	0
<b>Chusquea fasciculata Doll.</b>	J. C. Döll et E. Hackel		Chusquea fasciculata Doll.	herb	0
<b>Chusquea tenuiglumis laxiuscula Doll.</b>	J. C. Döll et E. Hackel		Chusquea tenuiglumis Doll.	herb	0
<b>Ctenium chapadense Doll.</b>	J. C. Döll et E. Hackel		Ctenium chapadense (Trin.) Döll	herb	2

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<b>Ctenium cirrhosum Kth.</b>	J. C. Döll et E. Hackel		Ctenium cirrhosum (Nees) Kunth	herb	0
<b>Cynadon dactylon Pers.</b>	J. C. Döll et E. Hackel		Cynodon dactylon (L.) Pers.	herb	1
<b>Eleusine indica Gartn.</b>	J. C. Döll et E. Hackel		Eleusine indica (L.) Gaertn.	herb	0
<b>Elionurus latiflorus adustus Hackel.</b>	J. C. Döll et E. Hackel		Elionurus muticus (Spreng.) Kuntze	herb	0
<b>Eragrostis articulata N. ab Es.</b>	J. C. Döll et E. Hackel		Eragrostis articulata (Schrank) Nees	herb	0
<b>Eragrostis lugens glabrescens N. ab Es.</b>	J. C. Döll et E. Hackel		Eragrostis polytricha Nees	herb	1
<b>Eragrostis reptans N. ab Es.</b>	J. C. Döll et E. Hackel		Eragrostis hypnoides (Lam.) Britton	herb	0
<b>Eragrostis rufescens N. ab Es.</b>	J. C. Döll et E. Hackel		Eragrostis solida Nees	herb	1
<b>Eragrostis seminuda Trin.</b>	J. C. Döll et E. Hackel		Eragrostis seminuda Trin.	herb	1
<b>Eragrostis vahlii N. ab Es.</b>	J. C. Döll et E. Hackel		Eragrostis maypurensis (Kunth) Steud.	herb	0
<b>Guadua trinii scabra Doll.</b>	J. C. Döll et E. Hackel		Guadua trinii (Nees) Nees ex Rupr.	tree	0
<b>Gymnopogon laevis Nees</b>	J. C. Döll et E. Hackel		Gymnopogon spicatus (Spreng.) Kuntze	herb	0
<b>Gymnopogon rigidus Doll.</b>	J. C. Döll et E. Hackel	Warming, B	Gymnopogon doellii Boechat & Valls	herb	0
<b>Gynerium saccharoides H. B. K.</b>	J. C. Döll et E. Hackel		Gynerium sagittatum (Aubl.) P.Beauv.	shrub	0
<b>Helopus brachystachys Trin.</b>	J. C. Döll et E. Hackel		Eriochloa distachya Kunth	herb	0
<b>Helopus punctatus N. ab Es.</b>	J. C. Döll et E. Hackel		Eriochloa punctata (L.) Desv. ex Ham.	herb	1
<b>Heteropogon villosus apogynus Hack.</b>	J. C. Döll et E. Hackel		Agenium villosum (Nees) Pilg.	herb	0
<b>Heteropogon villosus genuinus Hack.</b>	J. C. Döll et E. Hackel		Agenium villosum (Nees) Pilg.	herb	0
<b>Heteropogon villosus leianthus Hack.</b>	J. C. Döll et E. Hackel		Agenium villosum (Nees) Pilg.	herb	0
<b>Heteropogon villosus typicus Hack.</b>	J. C. Döll et E. Hackel		Agenium villosum (Nees) Pilg.	herb	0
<b>Hordeum vulgare Linee.</b>	J. C. Döll et E. Hackel		Hordeum vulgare L.	herb	0
<b>Ichnanthus bambusiflorus Döll.</b>	J. C. Döll et E. Hackel		Ichnanthus bambusiflorus (Trin.) Döll	shrub	0
<b>Ichnanthus calvescens scabrior Döll.</b>	J. C. Döll et E. Hackel	Warming, ?	Ichnanthus calvescens (Nees ex Trin.) Döll.	shrub	0
<b>Ichnanthus candicans velutinus (N. ab Es.) Döll.</b>	J. C. Döll et E. Hackel	Warming, P	Ichnanthus hirtus (Raddi) Chase	herb	0
<b>Ichnanthus candicans virescens (N. ab Es.) Döll.</b>	J. C. Döll et E. Hackel		Ichnanthus hirtus (Raddi) Chase	herb	0
<b>Ichnanthus incontans Döll.</b>	J. C. Döll et E. Hackel		Ichnanthus inconstans (Trin. ex Nees) Döll	shrub	0
<b>Ichnanthus minarum Döll.</b>	J. C. Döll et E. Hackel		Echinolaena minarum (Nees) Pilg.	herb	0

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Family Taxa	Identified by	Type	Correct name	Life form	R
<b>Ichnanthus pallens (Sw) Döll.</b>	J. C. Döll et E. Hackel		Ichnanthus pallens (Sw.) Munro ex Benth.	herb	1
<b>Ichnanthus ruprechtii glabratus Doll.</b>	J. C. Döll et E. Hackel		Ichnanthus ruprechtii Doll.	shrub	0
<b>Imperata brasiliensis Trin.</b>	J. C. Döll et E. Hackel		Imperata brasiliensis Trin.	herb	0
<b>Leptochloa domingensis Trin.</b>	J. C. Döll et E. Hackel		Leptochloa virgata (L.) P.Beauv.	herb	0
<b>Leptocoryphium lanatum genuinum Doll.</b>	J. C. Döll et E. Hackel		Anthraenanthia lanata (Kunth) Benth.	herb	0
<b>Manisuris granularis Sw.</b>	J. C. Döll et E. Hackel		Mnesithea granularis (L.) de Koning & Sosef	herb	0
<b>Microchloa setacea R. Br.</b>	J. C. Döll et E. Hackel		Microchloa indica (L.f.) P.Beauv.	herb	0
<b>Olyra ciliatifolia Raddi.</b>	J. C. Döll et E. Hackel		Olyra ciliatifolia Raddi	herb	0
<b>Olyra cordifolia Willd.</b>	J. C. Döll et E. Hackel		Olyra latifolia L.	herb	1
<b>Olyra latifolia L.</b>	J. C. Döll et E. Hackel		Olyra latifolia L.	herb	1
<b>Olyra latifolia pubescens (Raddi) Döll.</b>	J. C. Döll et E. Hackel		Olyra latifolia L.	herb	1
<b>Olyra micrantha H. B. K.</b>	J. C. Döll et E. Hackel		Parodiolyra micrantha (Kunth) Davidse & Zuloaga	herb	0
<b>Olyra pauciflora Sw.</b>	J. C. Döll et E. Hackel		Lithachne pauciflora (Sw.) P.Beauv.	herb	0
<b>Panicum adustum N. ab Es.</b>	J. C. Döll et E. Hackel		Digitaria phaeothrix (Trin.) Parodi	herb	0
<b>Panicum adustum pallescens Döll.</b>	J. C. Döll et E. Hackel		Digitaria phaeothrix (Trin.) Parodi	herb	0
<b>Panicum caricoides N. ab Es.</b>	J. C. Döll et E. Hackel		Coleataenia caricoides (Nees ex Trin.) Soreng	herb	0
<b>Panicum cayennense Lam.</b>	J. C. Döll et E. Hackel		Panicum campestre Nees ex Trin.	herb	2
<b>Panicum compositum firmiusculum Döll.</b>	J. C. Döll et E. Hackel	Warming, W	Oplismenus hirtellus (L.) P.Beauv.	herb	0
<b>Panicum compositum Linn.</b>	J. C. Döll et E. Hackel		Oplismenus hirtellus (L.) P.Beauv.	herb	0
<b>Panicum crusgalli sabulicola Linn.</b>	J. C. Döll et E. Hackel		Echinochloa crusgalli (L.) P.Beauv.	herb	1
<b>Panicum cyanescens N. ab Es.</b>	J. C. Döll et E. Hackel		Trichanthecium cyanescens (Nees ex Trin.) Zuloaga & Morrone	herb	0
<b>Panicum cyanescens stenophyllum N. ab Es.</b>	J. C. Döll et E. Hackel		Trichanthecium parvifolium (Lam.) Zuloaga & Morrone	herb	0
<b>Panicum decipiens Nees</b>	J. C. Döll et E. Hackel		Steinchisma decipiens (Nees ex Trin.) W.V.Br.	herb	0
<b>Panicum discolor Trin.</b>	J. C. Döll et E. Hackel		Parodiophyllochloa penicillata (Nees ex Trin.) Zuloaga & Morrone	herb	0
<b>Panicum echinolaena N. ab Es.</b>	J. C. Döll et E. Hackel		Echinolaena inflexa (Poir.) Chase	herb	0
<b>Panicum eriochrysoides N. ab Es.</b>	J. C. Döll et E. Hackel		Mesosetum ferrugineum (Trin.) Chase	herb	1
<b>Panicum filiforme L.</b>	J. C. Döll et E. Hackel		Digitaria filiformis (L.) Koeler	herb	0

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<b>Panicum glutinosum Sw.</b>	J. C. Döll et E. Hackel		Homolepis glutinosa (Sw.) Zuloaga & Soderstr.	herb	0
<b>Panicum hians Elliot.</b>	J. C. Döll et E. Hackel		Steinchisma hians (Elliott) Nash	herb	1
<b>Panicum imberbe Poir.</b>	J. C. Döll et E. Hackel		Setaria parviflora (Poir.) Kerguélen	herb	0
<b>Panicum latifolium Linne.</b>	J. C. Döll et E. Hackel		Lasiacis ligulata Hitchc. & Chase	herb	0
<b>Panicum laxum Sw.</b>	J. C. Döll et E. Hackel		Steinchisma laxa (Sw.) Zuloaga	herb	1
<b>Panicum leucophoeum H. B. K.</b>	J. C. Döll et E. Hackel		Digitaria insularis (L.) Fedde	herb	0
<b>Panicum loliiforme Hochst.</b>	J. C. Döll et E. Hackel		Mesosetum loliiforme (Hochst.) Chase	herb	0
<b>Panicum macranthum Trin.</b>	J. C. Döll et E. Hackel		Oncorachis macrantha (Trin.) Morrone & Zuloaga	herb	0
<b>Panicum macrostachyum patens Döll.</b>	J. C. Döll et E. Hackel		Setaria macrostachya Kunth	herb	0
<b>Panicum maximilianii Schrad.</b>	J. C. Döll et E. Hackel		Ichnanthus leiocarpus (Spreng.) Kunth	herb	0
<b>Panicum maximum Jacquin.</b>	J. C. Döll et E. Hackel		Megathyrsus maximus (Jacq.) B.K.Simon & S.W.L.Jacobs	shrub	0
<b>Panicum melinis Trin.</b>	J. C. Döll et E. Hackel		Melinis minutiflora P.Beauv.	herb	0
<b>Panicum monostachyum H. B. K.</b>	J. C. Döll et E. Hackel		Paspalum pilosum Lam.	herb	0
<b>Panicum myuros Lam.</b>	J. C. Döll et E. Hackel		Sacciolepis myuros (Lam.) Chase	herb	0
<b>Panicum numidianum Lam.</b>	J. C. Döll et E. Hackel		Urochloa mutica (Forssk.) T.Q.Nguyen	herb	0
<b>Panicum olyroides H. B. K.</b>	J. C. Döll et E. Hackel		Panicum olyroides Kunth	herb	1
<b>Panicum ovuliferum Trin.</b>	J. C. Döll et E. Hackel		Parodiophyllochloa ovulifera (Trin.) Zuloaga & Morrone	herb	0
<b>Panicum penicillatum Willd.</b>	J. C. Döll et E. Hackel		Parodiophyllochloa penicillata (Nees ex Trin.) Zuloaga &	herb	0
<b>Panicum pilosum latifolium Doll.</b>	J. C. Döll et E. Hackel		Rugoloa pilosa (Sw.) Zuloaga	herb	0
<b>Panicum pilosum polygonatum (Schrad.) Doll.</b>	J. C. Döll et E. Hackel		Rugoloa polygonata (Schrad.) Zuloaga	herb	0
<b>Panicum pilosum Sw.</b>	J. C. Döll et E. Hackel		Rugoloa pilosa (Sw.) Zuloaga	herb	0
<b>Panicum plantagineum Link.</b>	J. C. Döll et E. Hackel		Urochloa plantaginea (Link) R.D. Webster	herb	0
<b>Panicum potamium Trin.</b>	J. C. Döll et E. Hackel		Rugoloa polygonata (Schrad.) Zuloaga	herb	0
<b>Panicum procurrens N. ab Es.</b>	J. C. Döll et E. Hackel		Ichnanthus procurrens (Nees ex Trin.) Swallen	herb	0
<b>Panicum repandum N. ab Es.</b>	J. C. Döll et E. Hackel		Paspalum repandum (Nees) G.H. Rua & Valls	herb	0
<b>Panicum rude N. ab Es.</b>	J. C. Döll et E. Hackel		Ocellochloa rudis (Nees) Zuloaga & Morrone	herb	0
<b>Panicum rugulosum glabrescens Trin.</b>	J. C. Döll et E. Hackel		Panicum millegrana Poir.	herb	0

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<b>Panicum rugulosum pubescens Döll.</b>	J. C. Döll et E. Hackel		Panicum sellowii Nees	herb	1
<b>Panicum sanguinale L.</b>	J. C. Döll et E. Hackel		Digitaria sanguinalis (L.) Scop.	herb	0
<b>Panicum scabrifolium vestitum Döll.</b>	J. C. Döll et E. Hackel		Setaria scabrifolia (Nees) Kunth	herb	0
<b>Panicum scandens Trin.</b>	J. C. Döll et E. Hackel		Setaria scandens Schrad.	herb	0
<b>Panicum sciurotis Trin.</b>	J. C. Döll et E. Hackel		Dichantherium sciurotis (Trin.) Davidse	herb	0
<b>Panicum semirugosum N. ab Es.</b>	J. C. Döll et E. Hackel		Setaria tenax (Rich.) Desv.	herb	0
<b>Panicum setarium Lam.</b>	J. C. Döll et E. Hackel		Oplismenus hirtellus (L.) P.Beauv.	herb	0
<b>Panicum silvaticum Lam.</b>	J. C. Döll et E. Hackel		Oplismenus hirtellus (L.) P.Beauv.	herb	0
<b>Panicum sphaerocarpum Salzmann.</b>	J. C. Döll et E. Hackel		Dichantherium sphaerocarpon (Elliot) Gould	herb	0
<b>Panicum stoloniferum Poir.</b>	J. C. Döll et E. Hackel		Ocellochloa stolonifera (Poir.) Zuloaga & Morrone	herb	0
<b>Panicum sulcatum Aublet.</b>	J. C. Döll et E. Hackel		Setaria palmifolia (J. König) Stapf	herb	0
<b>Panicum thrasyoides Trin.</b>	J. C. Döll et E. Hackel		Paspalum thrasyoides (Trin.) S.Denham	herb	0
<b>Panicum uncinatum Raddi.</b>	J. C. Döll et E. Hackel		Pseudechinolaena polystachya (Kunth) Stapf	herb	0
<b>Panicum vilfoides Trin.</b>	J. C. Döll et E. Hackel		Sacciolepis vilvoides (Trin.) Chase	herb	1
<b>Panicum zizanioides H. B. K.</b>	J. C. Döll et E. Hackel		Acroceras zizanioides (Kunth) Dandy	herb	0
<b>Paspalum barbatum N. ab Es.</b>	J. C. Döll et E. Hackel		Axonopus siccus (Nees) Kuhlman	herb	0
<b>Paspalum blepharophorum Roem. et Schult.</b>	J. C. Döll et E. Hackel		Paspalum humboldtianum Flügge	herb	0
<b>Paspalum capillare Lam.</b>	J. C. Döll et E. Hackel		Axonopus capillaris (Lam.) Chase	herb	0
<b>Paspalum chrysolephare Döll.</b>	J. C. Döll et E. Hackel		Axonopus chrysolepharis (Lag.) Chase	herb	0
<b>Paspalum commutatum N. ab Es.</b>	J. C. Döll et E. Hackel		Paspalum commutatum Nees	herb	0
<b>Paspalum conjugatum Berg.</b>	J. C. Döll et E. Hackel		Paspalum conjugatum P.J.Bergius	herb	1
<b>Paspalum conspersum Schrad.</b>	J. C. Döll et E. Hackel		Paspalum conspersum Schrad.	herb	0
<b>Paspalum coryphaeum Trin.</b>	J. C. Döll et E. Hackel		Paspalum coryphaeum Trin.	herb	0
<b>Paspalum densum ciliatum Döll.</b>	J. C. Döll et E. Hackel	Warming, C ?	Paspalum polyphyllum Nees	herb	2
<b>Paspalum dilatatum parviflorum Poir.</b>	J. C. Döll et E. Hackel	Warming, BR	Paspalum urvillei Steud.	herb	0
<b>Paspalum dilatatum Poir.</b>	J. C. Döll et E. Hackel		Paspalum dilatatum Poir.	herb	0
<b>Paspalum dissitiflorum Trin.</b>	J. C. Döll et E. Hackel		Axonopus brasiliensis (Spreng.) Kuhlman	herb	3
<b>Paspalum distichophyllum H. B. K.</b>	J. C. Döll et E. Hackel		Paspalum polyphyllum Nees	herb	2
<b>Paspalum erianthum N. ab Es.</b>	J. C. Döll et E. Hackel		Paspalum erianthum Nees ex Trin.	herb	2



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<i>Paspalum eucomum pilosior</i> N. ab Es.	J. C. Döll et E. Hackel	Warming, US	<i>Paspalum eucomum</i> Nees ex Trin.	herb	1
<i>Paspalum falcatum</i> N. ab Es.	J. C. Döll et E. Hackel		<i>Paspalum falcatum</i> Nees ex Steud.	herb	0
<i>Paspalum furcatum</i> Fluge.	J. C. Döll et E. Hackel		<i>Axonopus furcatus</i> (Flüggé) Hitchc.	herb	0
<i>Paspalum gardnerianum</i> N. ab Es.	J. C. Döll et E. Hackel		<i>Paspalum gardnerianum</i> Nees	herb	4
<i>Paspalum gardnerianum oligostachyum</i> Doll.	J. C. Döll et E. Hackel	Warming, W	<i>Paspalum gardnerianum</i> Nees	herb	4
<i>Paspalum immersum</i> N. ab Es.	J. C. Döll et E. Hackel		<i>Axonopus chrysoblepharis</i> (Lag.) Chase	herb	0
<i>Paspalum laxum raddianum</i> Döll.	J. C. Döll et E. Hackel		<i>Paspalum corcovadense</i> Raddi	herb	0
<i>Paspalum maculosum</i> Trin.	J. C. Döll et E. Hackel		<i>Paspalum maculosum</i> Trin.	herb	0
<i>Paspalum mandiocanum</i> Trin.	J. C. Döll et E. Hackel		<i>Paspalum mandiocanum</i> Trin.	herb	0
<i>Paspalum neesii</i> Kunth.	J. C. Döll et E. Hackel		<i>Paspalum lineare</i> Trin.	herb	1
<i>Paspalum nutans</i> Lam.	J. C. Döll et E. Hackel		<i>Paspalum nutans</i> Lam.	herb	0
<i>Paspalum paniculatum</i> L.	J. C. Döll et E. Hackel		<i>Paspalum paniculatum</i> L.	herb	0
<i>Paspalum pectinatum</i> N. ab Es.	J. C. Döll et E. Hackel		<i>Paspalum pectinatum</i> Nees ex Trin.	herb	1
<i>Paspalum platycaulon</i> Poir.	J. C. Döll et E. Hackel		<i>Axonopus compressus</i> (Sw.) P.Beauv.	herb	0
<i>Paspalum plicatulum intumescens</i> Doll.	J. C. Döll et E. Hackel	Warming, KR	<i>Paspalum plicatulum</i> Michx.	herb	0
<i>Paspalum plicatulum</i> Michaux	J. C. Döll et E. Hackel		<i>Paspalum plicatulum</i> Michx.	herb	0
<i>Paspalum plicatulum microspermum</i> Doll.	J. C. Döll et E. Hackel		<i>Paspalum melanospermum</i> Desv. ex Poir.	herb	0
<i>Paspalum plicatulum oblongum</i> Doll.	J. C. Döll et E. Hackel		<i>Paspalum plicatulum</i> Michx.	herb	0
<i>Paspalum plicatulum oligostachyum</i> Doll.	J. C. Döll et E. Hackel		<i>Paspalum gemniflorum</i> Steud.	herb	0
<i>Paspalum plicatulum subpectinatum</i> Doll.	J. C. Döll et E. Hackel		<i>Paspalum guenoarum</i> Arechav.	herb	0
<i>Paspalum reduncum</i> N. ab Es.	J. C. Döll et E. Hackel		<i>Paspalum reduncum</i> Nees ex Steud.	herb	0
<i>Paspalum scoparium</i> Fluge.	J. C. Döll et E. Hackel		<i>Axonopus scoparius</i> (Flüggé) Kuhlms.	herb	0
<i>Paspalum scoparium vestitum</i> Fluge.	J. C. Döll et E. Hackel		<i>Axonopus suffultus</i> (Mikan ex Trin.) Parodi	herb	0
<i>Paspalum stellatum</i> Fluge.	J. C. Döll et E. Hackel		<i>Paspalum stellatum</i> Humb. & Bonpl. ex Flüggé	herb	1
<i>Paspalum trachycoleon</i> Steudel.	J. C. Döll et E. Hackel		<i>Paspalum trachycoleon</i> Steud.	herb	0
<i>Paspalum virgatum</i> L.	J. C. Döll et E. Hackel		<i>Paspalum virgatum</i> L.	herb	0
<i>Paspalum virgatum conspersum</i> (Raddi) Doll.	J. C. Döll et E. Hackel		<i>Paspalum conspersum</i> Schrad.	herb	0
<i>Pereilema brasilianum</i> Trin.	J. C. Döll et E. Hackel		<i>Muhlenbergia beyrichiana</i> Kunth	herb	1
<i>Pharus glaber</i> H. B. K.	J. C. Döll et E. Hackel		<i>Pharus lappulaceus</i> Aubl.	herb	0

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<b>Polypogon elongatus H. B. K.</b>	J. C. Döll et E. Hackel		Polypogon elongatus Kunth	herb	0
<b>Rottboellia aurita Steud.</b>	J. C. Döll et E. Hackel		Mnesithea aurita (Steud.) de Koning & Sosef	herb	0
<b>Rottboellia loricata glaberrima Hack.</b>	J. C. Döll et E. Hackel	Warming, W	Mnesithea subgibbosa (Winkl. ex Hack.) de Koning & Sosef	herb	0
<b>Sacharum cayennense (Beauvois) Benth.</b>	J. C. Döll et E. Hackel		Eriochrysis cayennensis P.Beauv.	herb	0
<b>Sacharum holcoides (Nees.) Hackel.</b>	J. C. Döll et E. Hackel		Eriochrysis holcoides (Nees) Kuhlm.	herb	0
<b>Sacharum warmingianum Hack.</b>	J. C. Döll et E. Hackel		Eriochrysis warmingiana (Hack.) Kuhlm.	herb	0
<b>Sorghum nutans contractum Hack.</b>	J. C. Döll et E. Hackel	Warming, US	Sorghastrum contractum (Hack.) Kuhlm. & A.Kuhlm.	herb	0
<b>Sorghum nutans elongatum Hack.</b>	J. C. Döll et E. Hackel		Sorghastrum nutans (L.) Nash	herb	0
<b>Sorghum nutans scaberrimum Hack.</b>	J. C. Döll et E. Hackel		Sorghastrum scaberrimum (Nees) Herter	herb	0
<b>Trachypogon polymorphus montufari Hack.</b>	J. C. Döll et E. Hackel		Trachypogon spicatus (L.f.) Kuntze	herb	0
<b>Tristachya leiostachya N. ab Es.</b>	J. C. Döll et E. Hackel		Tristachya leiostachya Nees	herb	0
<b>Tylothrasya petrosa Doll.</b>	J. C. Döll et E. Hackel		Paspalum foliiforme S.Denham	herb	1
<b>Vilfa aenea Trin.</b>	J. C. Döll et E. Hackel		Sporobolus aeneus (Trin.) Kunth	herb	0
<b>Vilfa tenacissima H. B. K.</b>	J. C. Döll et E. Hackel		Sporobolus indicus (L.) R.Br.	herb	0
<b>Polygalaceae</b>					
<b>Bredemeyera floribunda Willd.</b>	A. W. Bennett		Bredemeyera floribunda Willd.	shrub	2
<b>Bredemeyera laurifolia Klotzsch.</b>	A. W. Bennett		Bredemeyera laurifolia (A.St.-Hil.) Klotzsch ex A.W.Benn.	shrub	0
<b>Monnina stenophylla St. Hil.</b>	A. W. Bennett		Monnina stenophylla A.St.-Hil. & Moq.	shrub	0
<b>Polygala angulata DC.</b>	A. W. Bennett		Polygala poaya Mart.	shrub	4
<b>Polygala atropurpurea St. Hil.</b>	A. W. Bennett		Polygala atropurpurea A.St.-Hil. & Moq.	herb	0
<b>Polygala brizoides St. Hil.</b>	A. W. Bennett		Asemeia violacea (Aubl.) J.F.B.Pastore & J.R.Abbott	herb	0
<b>Polygala fimbriata Bennett.</b>	A. W. Bennett	Warming, C	Asemeia acuminata (Willd.) J.F.B.Pastore & J.R.Abbott	tree	0
<b>Polygala galioides major Benn.</b>	A. W. Bennett		Polygala galioides Poir.	herb	0
<b>Polygala galioides Poir.</b>	A. W. Bennett		Polygala galioides Poir.	herb	0
<b>Polygala glabra A. W. Bennet.</b>	A. W. Bennett	Warming, P	Asemeia glabra (A.W.Benn.) J.F.B.Pastore & J.R.Abbott	herb	1

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<b>Polygala hirsuta St. Hil.</b>	A. W. Bennett		Asemeia hirsuta (A.St.-Hil. & Moq.) J.F.B.Pastore & J.R.Abbott	herb	1
<b>Polygala hygrophila H. B. Kth.</b>	A. W. Bennett		Polygala hygrophila Kunth	herb	0
<b>Polygala lacifolia St. Hil.</b>	A. W. Bennett		Polygala lancifolia A.St.-Hil. & Moq.	herb	0
<b>Polygala lagoana Bennett.</b>	A. W. Bennett	Warming, C	Polygala gracilis Kunth	herb	0
<b>Polygala longicaulis H. B. Kth.</b>	A. W. Bennett		Polygala longicaulis Kunth	herb	0
<b>Polygala paniculata L.</b>	A. W. Bennett		Polygala paniculata L.	herb	1
<b>Polygala poaya Mart.</b>	A. W. Bennett		Polygala poaya Mart.	shrub	4
<b>Polygala rhodoptera Mart.</b>	A. W. Bennett		Asemeia rhodoptera (Mart. ex A.W.Benn.) J.F.B.Pastore & J.R.Abbott	herb	0
<b>Polygala subtilis H. B. K.</b>	A. W. Bennett		Polygala subtilis Kunth	herb	0
<b>Polygala sulfurea Bennett.</b>	A. W. Bennett	Warming ?, C	Polygala tenuis DC.	herb	0
<b>Polygala tenuis DC.</b>	A. W. Bennett	Warming ?, C	Polygala tenuis DC.	herb	0
<b>Polygala timoutou Aubl.</b>	A. W. Bennett		Polygala timoutou Aubl.	herb	0
<b>Polygala violacea Vahl.</b>	A. W. Bennett		Asemeia violacea (Aubl.) J.F.B.Pastore & J.R.Abbott	herb	0
<b>Polygala violoides St. Hil.</b>	A. W. Bennett		Gymnospora violoides (A.St.-Hil. & Moq.) J.F.B.Pastore	herb	1
<b>Polygala warmingiana Bennett.</b>	A. W. Bennett	Warming, C	Caamembeca warmingiana (A.W.Benn) J.F.B.Pastore	shrub	0
<b>Securidaca rivinaefolia St. Hil.</b>	A. W. Bennett		Securidaca rivinifolia A.St.-Hil. & Moq.	shrub	0
<b>Polygonaceae</b>					
<b>Coccoloba longipendula Mart.*</b>	C.F. Meissner. corr. Loesener.		Coccoloba longipendula Mart.	vine	0
<b>Polygonum acre leptostachyum Meisn.</b>	C.F. Meissner. corr. Loesener.		Polygonum punctatum Elliott.	herb	0
<b>Polygonum acuminatum weddellii Meisn.</b>	C.F. Meissner. corr. Loesener.		Polygonum acuminatum Kunth	herb	2
<b>Polygonum hydropiperoides Michx.</b>	C.F. Meissner. corr. Loesener.		Polygonum hydropiperoides Michx.	herb	0
<b>Polygonum meissnerianum beyrichianum Meisn.</b>	C.F. Meissner. corr. Loesener.		Polygonum meissnerianum Cham.	herb	0
<b>Polygonum segetum H.B.K.</b>	C.F. Meissner. corr. Loesener.		Polygonum punctatum Elliott.	herb	0
<b>Polygonum serrulatum Lag.</b>	C.F. Meissner. corr. Loesener.		Polygonum acuminatum Kunth	herb	2
<b>Pontederiaceae</b>					
<b>Eichhornia azurea (Sw.) Kunth.</b>	E. Warming		Eichhornia azurea (Sw.) Kunth	herb	3

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<b>Heteranthera reniformis Ruiz &amp; Pav.</b>	E. Warming		Heteranthera reniformis Ruiz & Pav.	herb	1
<b>Heteranthera zosterifolia Mart.</b>	E. Warming		Heteranthera zosterifolia Mart.	herb	1
<b>Reussia subovata Seub.</b>	E. Warming		Pontederia subovata (Seub.) Lowden	herb	3
<b>Portulacaceae</b>					
<b>Portulaca pilosa L.</b>	E. Warming		Portulaca pilosa L.	herb	0
<b>Talinum patens (Jacq.) Willd.</b>	E. Warming		Talinum paniculatum (Jacq.) Gaertn.	herb	0
<b>Potamogetonaceae</b>					
<b>Potamogeton polygonus Cham. &amp; Schltldl</b>	P. Ascherson.		Potamogeton polygonus Cham. & Schltldl.	herb	1
<b>Primulaceae</b>					
<b>Ardisia gracilis Miq.</b>	E. Warming		Geissanthus ambiguus (Mart.) G.Agostini	shrub	0
<b>Ardisia semicrenata Mart.</b>	E. Warming		Ardisia semicrenata Mart.	shrub	0
<b>Cetunculus pentandrus R. Br.</b>	E. Warming		Lysimachia ovalis (Ruiz & Pav.) U. Manns & Anderb.	herb	0
<b>Cybianthus angustifolius Alph. DC.</b>	E. Warming		Cybianthus glaber A.DC.	shrub	0
<b>Cybianthus cuneifolius Mart.</b>	E. Warming		Cybianthus cuneifolius Mart.	shrub	0
<b>Cybianthus detergens Mart.</b>	E. Warming		Cybianthus detergens Mart.	shrub	1
<b>Myrsine flocculosa Mart.</b>	E. Warming		Myrsine coriacea (Sw.) R.Br. ex Roem. & Schult.	tree	0
<b>Myrsine leuconeura Mart.</b>	E. Warming		Myrsine leuconeura Mart.	tree	0
<b>Myrsine rapanea Roem. et Schult.</b>	E. Warming		Myrsine guianensis (Aubl.) Kuntze	tree	2
<b>Myrsine umbellata acutifolia Miq.</b>	E. Warming		Myrsine umbellata Mart.	tree	0
<b>Myrsine umbellata monticola Miq.</b>	E. Warming		Myrsine monticola Mart.	shrub	1
<b>Myrsine umbellata vulgaris Miq.</b>	E. Warming		Myrsine monticola Mart.	shrub	1
<b>Proteaceae</b>					
<b>Adenostephanus incana Kl.</b>	C.F. Meissner		Euplassa incana (Klotzsch) I.M.Johnst.	tree	0
<b>Adenostephanus sellowii Kl. (?)</b>	C.F. Meissner		Euplassa legalis (Vell.) I.M.Johnst.	tree	0
<b>Rhopala gardneri dentata Meisn.</b>	C.F. Meissner		Roupala montana Aubl.	tree	0
<b>Rhopala gardneri integrifolia Meisn.</b>	C.F. Meissner		Roupala montana Aubl.	tree	0
<b>Rhopala heterophylla (?)</b>	C.F. Meissner		Roupala longipetiolata Pohl	tree	0
<b>Rhopala rhombifolia Mart.</b>	C.F. Meissner		Roupala montana Aubl.	tree	0
<b>Rhopala tomentosa dentata Meisn.</b>	C.F. Meissner		Roupala montana Aubl.	tree	0

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<b>Rhopala tomentosa integrifolia Meisn.</b>	C.F. Meissner		Roupala montana Aubl.	tree	0
<b>Rhamnaceae</b>					
<b>Crumenaria erecta Reiss.</b>	E. Warming		Crumenaria erecta Reissek.	herb	0
<b>Frangula polymorpha glabra Reiss.</b>	E. Warming		Rhamnus sphaerosperma Sw.	tree	0
<b>Frangula polymorpha pubescens Reiss.</b>	E. Warming		Rhamnus sphaerosperma Sw.	tree	0
<b>Frangula polymorpha tomentosa Reiss.</b>	E. Warming		Rhamnus sphaerosperma Sw.	tree	0
<b>Gouania mollis Reiss.</b>	E. Warming		Gouania latifolia Reissek.	vine	0
<b>Gouania virgata Reiss.</b>	E. Warming		Gouania latifolia Reissek.	vine	0
<b>Rhamnidium elaeocarpum Reiss.</b>	E. Warming		Rhamnidium elaeocarpum Reissek.	tree	1
<b>Rosaceae</b>					
<b>Cydonia vulgaris Pers.</b>	Warming, E.		Cydonia oblonga Mill.	shrub	0
<b>Eriobotrya japonica Lindl.</b>	Warming, E.		Eriobotrya japonica (Thunb.) Lindl.	tree	0
<b>Prunus sphoerocarpa Sw.</b>	Warming, E.		Prunus subcoriacea (Chodat & Hassl.) Koehne	tree	0
<b>Rubus brasiliensis Mart.</b>	Warming, E.		Rubus brasiliensis Mart.	shrub	0
<b>Rubus urticifolius Poir.</b>	Warming, E.		Rubus urticifolius Poir.	shrub	0
<b>Rubiaceae</b>					
<b>Alibertia elliptica (Cham.) Hook.f.</b>	Joh. Muller (Arg.) et C.		Cordia elliptica (Cham.) Kuntze	shrub	1
<b>Alibertia sessilis (Vell.) Schum.</b>	Joh. Muller (Arg.) et C.		Cordia sessilis (Vell.) Kuntze	shrub	0
<b>Amajoua guianensis var.brasiliana Schum.</b>	Joh. Muller (Arg.) et C.		Amaioua intermedia Mart. ex Schult. & Schult.f.	tree	0
<b>Basanacantha spinosa var.ferox. (Jacq.) Schum</b>	Joh. Muller (Arg.) et C.		Randia armata (Sw.) DC.	shrub	0
<b>Bathysa australis Hook. f.</b>	Joh. Muller (Arg.) et C.		Bathysa australis (A.St.-Hil.) K.Schum.	tree	0
<b>Borreria capitata DC.</b>	Joh. Muller (Arg.) et C.		Borreria capitata (Ruiz & Pav.) DC.	shrub	0
<b>Borreria capitellata var.elatior Cham. et Schl.</b>	Joh. Muller (Arg.) et C.		Borreria remota (Lam.) Bacigalupo & E.L.Cabral	shrub	0
<b>Borreria cupularis DC.</b>	Joh. Muller (Arg.) et C.		Borreria cupularis DC.	shrub	0
<b>Borreria eryngioides Ch. et Schl.</b>	Joh. Muller (Arg.) et C.		Spermacoce eryngioides (Cham. & Schltld.) Kuntze	herb	0
<b>Borreria laevis A. Griseb. (?)</b>	Joh. Muller (Arg.) et C.		Borreria laevis (Lam.) Griseb.	herb	0
<b>Borreria latifolia DC.</b>	Joh. Muller (Arg.) et C.		Borreria latifolia (Aubl.) K.Schum.	shrub	0
<b>Borreria parviflora A. Gr.</b>	Joh. Muller (Arg.) et C.		Spermacoce ocymoides Burm.f.	herb	0
<b>Borreria poaya DC.</b>	Joh. Muller (Arg.) et C.		Borreria poaya (A.St.-Hil.) DC.	herb	1

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<b>Borreria tenella var.coriacea Schum.</b>	Joh. Muller (Arg.) et C.		Borreria capitata (Ruiz & Pav.) DC.	shrub	0
<b>Borreria tenella var.genuina Cham. et Schl.</b>	Joh. Muller (Arg.) et C.		Borreria tenella (Kunth) Cham. & Schltdl.	shrub	1
<b>Borreria valerianoides Cham. et Schl.</b>	Joh. Muller (Arg.) et C.		Galianthe valerianoides (Cham. & Schltdl.) E.L.Cabral	shrub	0
<b>Borreria verticillata Mey.</b>	Joh. Muller (Arg.) et C.		Borreria verticillata (L.) G.Mey.	shrub	3
<b>Borreria warmingii Schum.</b>	Joh. Muller (Arg.) et C.	Warming, C	Borreria warmingii K.Schum.	shrub	0
<b>Chiococca brachiata Ruiz &amp; Pav.</b>	Joh. Muller (Arg.) et C.		Chiococca alba (L.) Hitchc.	shrub	1
<b>Chiococca brachiata var.acutifolia Mull. Arg.</b>	Joh. Muller (Arg.) et C.		Chiococca alba (L.) Hitchc.	shrub	1
<b>Chiococca brachiata var.densifolia Mull. Arg.</b>	Joh. Muller (Arg.) et C.		Chiococca alba (L.) Hitchc.	shrub	1
<b>Chiococca brachiata var.diplomorpha Mull. Arg.</b>	Joh. Muller (Arg.) et C.	Warming, G	Chiococca alba (L.) Hitchc.	shrub	1
<b>Chiococca brachiata var.intercedens Mull. Arg.</b>	Joh. Muller (Arg.) et C.	Warming, G	Chiococca alba (L.) Hitchc.	shrub	1
<b>Chiococca brachiata var.intermedia Mull. Arg.</b>	Joh. Muller (Arg.) et C.		Chiococca alba (L.) Hitchc.	shrub	1
<b>Chomelia obtusa Cham. et Schl.</b>	Joh. Muller (Arg.) et C.		Chomelia obtusa Cham. & Schltdl.	tree	0
<b>Chomelia ribesioides tomentosa Mull. Arg.</b>	Joh. Muller (Arg.) et C.		Chomelia ribesioides Benth. ex A.Gray	tree	4
<b>Coccocypselum canescens Willd.</b>	Joh. Muller (Arg.) et C.		Coccocypselum lanceolatum (Ruiz & Pav.) Pers.	herb	1
<b>Coccocypselum erythrocephalum Ch. et Schl.</b>	Joh. Muller (Arg.) et C.		Coccocypselum erythrocephalum Cham. & Schltdl.	herb	0
<b>Coussarea hydrangeifolia Benth et Hook</b>	Joh. Muller (Arg.) et C.		Coussarea hydrangeifolia (Benth.) Müll.Arg.	tree	1
<b>Coussarea lagoensis Mull. Arg.</b>	Joh. Muller (Arg.) et C.	Warming, C	Coussarea lagoensis Müll.Arg.	shrub	0
<b>Coutarea hexandra pubescens (Jacq.) K. Schum.</b>	Joh. Muller (Arg.) et C.		Coutarea hexandra (Jacq.) K.Schum.	tree	0
<b>Declieuxia chiococcoides hirta Mull. Arg.</b>	Joh. Muller (Arg.) et C.		Declieuxia fruticosa (Willd. ex Roem. & Schult.) Kuntze	shrub	0
<b>Declieuxia chiococcoides lucida Mull. Arg.</b>	Joh. Muller (Arg.) et C.		Declieuxia fruticosa (Willd. ex Roem. & Schult.) Kuntze	shrub	0
<b>Declieuxia cordigera var.angustifolia Mull. Arg.</b>	Joh. Muller (Arg.) et C.	Warming, G	Declieuxia cordigera Müll.Arg.	herb	3
<b>Declieuxia cordigera var.genuina Mull. Arg.</b>	Joh. Muller (Arg.) et C.		Declieuxia cordigera Müll.Arg.	herb	3
<b>Declieuxia cordigera var.longifolia Mull. Arg.</b>	Joh. Muller (Arg.) et C.	Warming, C	Declieuxia cordigera Müll.Arg.	herb	3
<b>Declieuxia divergentiflora DC.</b>	Joh. Muller (Arg.) et C.		Declieuxia cordigera Müll.Arg.	herb	3
<b>Declieuxia oenanthoides genuina Mull. Arg.</b>	Joh. Muller (Arg.) et C. Schumann		Declieuxia oenanthoides Mart. & Zucc. ex Schult. & Schult.f.	herb	0
<b>Declieuxia oenanthoides longifolia Mull. Arg.</b>	Joh. Muller (Arg.) et C. Schumann		Declieuxia oenanthoides Mart. & Zucc. ex Schult. & Schult.f.	herb	0

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<b>Declieuxia oenanthoides stenophylla Mull. Arg.</b>	Joh. Muller (Arg.) et C. Schumann		Declieuxia oenanthoides Mart. & Zucc. ex Schult. & Schult.f.	herb	0
<b>Diodia dasycephala Ch. et Schl.</b>	Joh. Muller (Arg.) et C. Schumann		Borreria dasycephala (Cham. & Schltdl.) Bacigalupo & E.L.Cabral	shrub	0
<b>Diodia multiflora DC.</b>	Joh. Muller (Arg.) et C.		Borreria multiflora (DC.) Bacigalupo & E.L.Cabral	herb	0
<b>Diodia palustris Ch. et Schl.</b>	Joh. Muller (Arg.) et C. Schumann		Borreria palustris (Cham. & Schltdl.) Bacigalupo & E.L.Cabral	herb	0
<b>Diodia paradoxa Ch. et Schl.</b>	Joh. Muller (Arg.) et C. Schumann		Galianthe hispidula (A.Rich. ex DC.) E.L.Cabral & Bacigalupo	herb	0
<b>Diodia setigera DC.</b>	Joh. Muller (Arg.) et C.		Diodella apiculata (Willd. ex Roem. & Schult.) Delprete	shrub	0
<b>Endlichera umbellata (Spreng.) K. Schum.</b>	Joh. Muller (Arg.) et C.		Emmeorhiza umbellata (Spreng.) K.Schum.	vine	0
<b>Faramea cyanea Mull. Arg.</b>	Joh. Muller (Arg.) et C.	Warming, C	Faramea hyacinthina Mart.	tree	0
<b>Faramea lagoensis Mull. Arg.</b>	Joh. Muller (Arg.) et C.	Warming, C	Faramea nigrescens Mart.	tree	0
<b>Faramea nettoana Mull. Arg.</b>	Joh. Muller (Arg.) et C.		Faramea nigrescens Mart.	tree	0
<b>Faramea salicifolia Presl.</b>	Joh. Muller (Arg.) et C.		Faramea multiflora A.Rich. ex DC.	shrub	0
<b>Faramea warmingiana Mull. Arg.</b>	Joh. Muller (Arg.) et C.	Warming, C	Faramea nigrescens Mart.	tree	0
<b>Guettarda uruguensis Cham. et Schl.</b>	Joh. Muller (Arg.) et C.		Guettarda uruguensis Cham. & Schltdl.	shrub	0
<b>Guettarda viburnoides var.genuina Cham. et Schl.</b>	Joh. Muller (Arg.) et C.		Guettarda virbunoides Cham. & Schltdl.	tree	0
<b>Guettarda viburnoides var.rhombifolia Cham. et Schl.</b>	Joh. Muller (Arg.) et C. Schumann		Guettarda virbunoides Cham. & Schltdl.	tree	0
<b>Hamelia patens Jacq.</b>	Joh. Muller (Arg.) et C.		Hamelia patens Jacq.	shrub	1
<b>Ixora warmingii Mull. Arg.</b>	Joh. Muller (Arg.) et C.	Warming, C	Ixora brevifolia Benth.	tree	0
<b>Ladenbergia hexandra Kl.</b>	Joh. Muller (Arg.) et C.		Ladenbergia hexandra (Pohl) Klotzsch	tree	0
<b>Manettia ignita cordifolia (Vell.) K. Schum.</b>	Joh. Muller (Arg.) et C.		Manettia cordifolia Mart.	vine	1
<b>Manettia luteo-rubra Bth.</b>	Joh. Muller (Arg.) et C.		Manettia luteo-rubra (Vell.) Benth.	vine	0
<b>Mapouria cephalantha Mull. Arg.</b>	Joh. Muller (Arg.) et C.	Warming, C	Margaritopsis cephalantha (Müll.Arg.) C.M.Taylor	shrub	0
<b>Mapouria corymbifera Mull. Arg.</b>	Joh. Muller (Arg.) et C.		Psychotria anceps Kuth	tree	0
<b>Mapouria formosa (Cham. et Schl.) Mull. Arg.</b>	Joh. Muller (Arg.) et C.		Psychotria formosa Cham. & Schltdl.	tree	0
<b>Mapouria martiana Mull. Arg.</b>	Joh. Muller (Arg.) et C.		Psychotria carthagenensis Jacq.	tree	1

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<b>Mapouria tristis</b> Mull. Arg.	Joh. Muller (Arg.) et C.		<i>Psychotria carthagenensis</i> Jacq.	tree	1
<b>Mapouria umbrosa</b> Mull. Arg.	Joh. Muller (Arg.) et C.	Warming, C	<i>Psychotria borjensis</i> Kuth	tree	0
<b>Mitracarpus hirtus</b> DC.	Joh. Muller (Arg.) et C.		<i>Mitracarpus hirtus</i> (L.) DC.	herb	0
<b>Mitracarpus hirtus remotiflora</b> Schum.	Joh. Muller (Arg.) et C.		<i>Mitracarpus hirtus</i> (L.) DC.	herb	0
<b>Molopanthera paniculata scabrida</b> Schum.	Joh. Muller (Arg.) et C.		<i>Molopanthera paniculata</i> Turcz.	tree	0
<b>Oldenlandia uniflora</b> R. et Pav.	Joh. Muller (Arg.) et C.		<i>Oldenlandia uniflora</i> L.	herb	0
<b>Psychotria barbiflora minor</b> Mull. Arg.	Joh. Muller (Arg.) et C.		<i>Psychotria hoffmannseggiana</i> (Willd. ex Schult.) Müll.Arg.	shrub	0
<b>Psychotria brevicollis</b> Mull. Arg.	Joh. Muller (Arg.) et C.	Warming, C	<i>Psychotria brevicollis</i> Müll.Arg.	shrub	0
<b>Psychotria chlorotica var.bahiensis</b> Mull. Arg.	Joh. Muller (Arg.) et C.		<i>Psychotria capitata</i> Ruiz & Pav.	shrub	1
<b>Psychotria chlorotica var.lanceolata</b> Mull. Arg.	Joh. Muller (Arg.) et C.		<i>Psychotria capitata</i> Ruiz & Pav.	shrub	1
<b>Psychotria conjungens</b> Mull. Arg.	Joh. Muller (Arg.) et C.	Warming, C, G	<i>Psychotria rhytidocarpa</i> Müll.Arg.	shrub	0
<b>Psychotria flexuosa</b> Willd.	Joh. Muller (Arg.) et C.		<i>Psychotria paniculata</i> (Aubl.) Raeusch.	shrub	0
<b>Psychotria hastisepala</b> Mull. Arg.	Joh. Muller (Arg.) et C.		<i>Psychotria hastisepala</i> Müll.Arg.	shrub	0
<b>Psychotria hygrophiloides</b> Benth	Joh. Muller (Arg.) et C.		<i>Psychotria stachyoides</i> Benth.	shrub	0
<b>Psychotria lagoensis</b> Mull. Arg.	Joh. Muller (Arg.) et C.	Warming, C	<i>Psychotria lagoensis</i> Müll.Arg.	tree	0
<b>Psychotria leiocarpa genuina</b> Mull. Arg.	Joh. Muller (Arg.) et C.		<i>Psychotria leiocarpa</i> Cham. & Schltdl.	shrub	0
<b>Psychotria leiocarpa intermedia</b> Mull. Arg.	Joh. Muller (Arg.) et C.		<i>Psychotria leiocarpa</i> Cham. & Schltdl.	shrub	0
<b>Psychotria marcgravii var.pubescens</b> (Spreng.) St. Hil.	Joh. Muller (Arg.) et C. Schumann		<i>Palicourea marcgravii</i> A. St.-Hil.	shrub	0
<b>Psychotria nonatelioides</b> Cham. & Schltdl.	Joh. Muller (Arg.) et C.		<i>Psychotria patens</i> Sw.	shrub	0
<b>Psychotria quinquecuspis</b> Mull. Arg.	Joh. Muller (Arg.) et C.	Warming, C	<i>Psychotria racemosa</i> Rich.	shrub	0
<b>Psychotria racemosa</b> Willd.	Joh. Muller (Arg.) et C.		<i>Psychotria racemosa</i> Rich.	shrub	0
<b>Psychotria rigida genuina</b> Mull. Arg.	Joh. Muller (Arg.) et C.		<i>Psychotria rigida</i> Bredem. ex Roem. & Schult.	shrub	0
<b>Psychotria subcrocea</b> Mull. Arg.	Joh. Muller (Arg.) et C.		<i>Palicourea croceoides</i> Ham.	shrub	0
<b>Psychotria tabacifolia</b> Mull. Arg.	Joh. Muller (Arg.) et C.		<i>Palicourea macrobotrys</i> (Ruiz & Pav.) Schult.	shrub	0
<b>Psychotria triantha</b> Mull. Arg.	Joh. Muller (Arg.) et C.	Warming, C	<i>Psychotria subtriflora</i> Müll.Arg.	shrub	0
<b>Psychotria warmingii</b> Mull. Arg.	Joh. Muller (Arg.) et C.	Warming, C	<i>Psychotria warmingii</i> Müll.Arg.	shrub	0
<b>Relbunium buxifolium</b> Schum.	Joh. Muller (Arg.) et C.	Warming, F, C	<i>Galium hypocarpium</i> (L.) Endl. ex Griseb.	herb	0
<b>Relbunium diffusum</b> Schum.	Joh. Muller (Arg.) et C.		<i>Galium noxium</i> (A.St.-Hil.) Dempster	herb	0



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<b>Relbunium hirtum Schum.</b>	Joh. Muller (Arg.) et C.		Galium hirtum Lam.	herb	0
<b>Remijia ferruginea DC.</b>	Joh. Muller (Arg.) et C.		Remijia ferruginea (A.St.-Hil.) DC.	shrub	1
<b>Richardsonia brasiliensis Gomez.</b>	Joh. Muller (Arg.) et C.		Richardia brasiliensis Gomes	herb	0
<b>Richardsonia rosea St. Hil.</b>	Joh. Muller (Arg.) et C.		Richardia brasiliensis Gomes	herb	0
<b>Richardsonia scabra Linn.</b>	Joh. Muller (Arg.) et C.		Richardia scabra L.	herb	0
<b>Rudgea lanceolata Benth.</b>	Joh. Muller (Arg.) et C.		Rudgea sessilis (Vell.) Müll.Arg.	shrub	0
<b>Rudgea nodosa Benth.</b>	Joh. Muller (Arg.) et C.	Warming, C	Rudgea nodosa (Cham.) Benth.	tree	0
<b>Rudgea parvifolia (Cham.) Mull. Arg.</b>	Joh. Muller (Arg.) et C.	Warming, C	Rudgea parvifolia (Cham.) Müll.Arg.	shrub	0
<b>Rudgea viburnoides Benth.</b>	Joh. Muller (Arg.) et C.		Rudgea viburnoides (Cham.) Benth.	tree	2
<b>Sabicea aspera Aubl.</b>	Joh. Muller (Arg.) et C.		Sabicea aspera Aubl.	shrub	0
<b>Sabicea cana Hook. f.</b>	Joh. Muller (Arg.) et C.		Sabicea cana Hook.f.	shrub	0
<b>Sipanea pratensis Aubl.</b>	Joh. Muller (Arg.) et C.		Sipanea pratensis Aubl.	shrub	1
<b>Spermacoce glabra Mchx.</b>	Joh. Muller (Arg.) et C.		Spermacoce glabra Michx.	herb	0
<b>Spermacoce tenuior L.</b>	Joh. Muller (Arg.) et C.		Spermacoce tenuior L.	herb	0
<b>Tocoyena formosa (Cham. et Schl.) Schum.</b>	Joh. Muller (Arg.) et C.		Tocoyena formosa (Cham. & Schltl.) K.Schum.	tree	3
<b>Rutaceae</b>					
<b>Dictyoloma incanescens DC.</b>	A. Engler		Dictyoloma vandellianum A.Juss.	tree	2
<b>Esembeckia febrifuga A. Juss.</b>	A. Engler		Esenbeckia febrifuga (A.St.-Hil.) A. Juss. ex Mart.	tree	0
<b>Galipea jasminiflora (St. Hil.) Engl.</b>	A. Engler		Galipea jasminiflora (A.St.-Hil.) Engl.	tree	0
<b>Metrodorea pubescens St. Hil.</b>	A. Engler		Metrodorea nigra A. St.-Hil.	tree	0
<b>Xanthoxylum acutifolium Engl.</b>	A. Engler		Zanthoxylum rhoifolium Lam.	tree	0
<b>Xanthoxylum cinereum Engl.</b>	A. Engler		Zanthoxylum riedelianum Engl.	tree	2
<b>Xanthoxylum juniperum Poppig.</b>	A. Engler		Zanthoxylum acuminatum (Sw.) Sw.	tree	0
<b>Xanthoxylum latespinosum Engl.</b>	A. Engler		Zanthoxylum riedelianum Engl.	tree	2
<b>Xanthoxylum pauciflorum Engl.</b>	A. Engler		Zanthoxylum monogynum A. St.-Hil.	tree	0
<b>Xanthoxylum pohlianum Engl.</b>	A. Engler		Zanthoxylum monogynum A. St.-Hil.	tree	0
<b>Xanthoxylum rhoifolium var.petiolutatum Engl.</b>	A. Engler		Zanthoxylum rhoifolium Lam.	tree	0
<b>Xanthoxylum rhoifolium var.sessilifolium Engl.</b>	A. Engler		Zanthoxylum rhoifolium Lam.	tree	0
<b>Xanthoxylum tuberculatum Engl.</b>	A. Engler		Zanthoxylum monogynum A. St.-Hil.	tree	0

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<b>Salicaceae</b>					
<i>Casearia brasiliensis</i> Eichl.	A. W. Eichler		<i>Casearia arborea</i> (Rich.) Urb.	tree	3
<i>Casearia parvifolia</i> Wild.	A. W. Eichler		<i>Casearia decandra</i> Sw.	tree	0
<i>Casearia rupestris</i> Eichl.	A. W. Eichler	Warming, C	<i>Casearia rupestris</i> Eichler	tree	0
<i>Casearia sylvestris lingua</i> Camb.	A. W. Eichler		<i>Casearia sylvestris</i> Sw.	tree	6
<i>Prokia crucis</i> Linn.	A. W. Eichler		<i>Prockia crucis</i> P.Browne ex L.	tree	1
<i>Xylosma ciliatifolium</i> (Clos).	A. W. Eichler		<i>Xylosma ciliatifolia</i> (Clos) Eichler	tree	0
<i>Xylosma salzmanni</i> (Clos).	A. W. Eichler		<i>Xylosma prockia</i> (Turcz.) Turcz.	tree	0
<b>Santalaceae</b>					
<i>Phoradendron crassifolium</i> (Pohl)	A.W Eichler		<i>Phoradendron crassifolium</i> (Pohl ex DC.) Eichler	hemiparasi	0
<i>Phoradendron flaventi affine</i>	A.W Eichler		<i>Dendrophthora warmingii</i> (Eichler) Kuijt	hemiparasi	1
<i>Phoradendron perrottetii</i> (DC.)	A.W Eichler		<i>Phoradendron perrottetii</i> (DC.) Eichler	hemiparasi	0
<i>Phoradendron rubrum</i> (L.) Griseb	A.W Eichler		<i>Phoradendron quadrangulare</i> (Kunth) Griseb.	hemiparasi	0
<i>Phoradendron tunaeforme</i> (DC.)	A.W Eichler		<i>Phoradendron tunaeforme</i> (DC.) Eichler	hemiparasi	0
<i>Phoradendron warmingii</i> Eichl.	A.W Eichler	Warming, C	<i>Dendrophthora warmingii</i> (Eichler) Kuijt	hemiparasi	1
<b>Sapindaceae</b>					
<i>Allophylus edulis</i> Radlk.	L. Radlkofer		<i>Allophylus edulis</i> (A.St.-Hil. et al.) Hieron. ex Nederl.	tree	1
<i>Allophylus sericeus</i> Radlk.	L. Radlkofer		<i>Allophylus sericeus</i> (Cambess.) Radlk.	tree	2
<i>Cardiospermum grandiflorum</i> Sw.	L. Radlkofer		<i>Cardiospermum grandiflorum</i> Sw.	vine	2
<i>Cardiospermum halicacabum</i> var. <i>microcarpum</i> Bl.	L. Radlkofer		<i>Cardiospermum halicacabum</i> L.	vine	0
<i>Cupania tenuivalvis</i> Radlk.	L. Radlkofer		<i>Cupania tenuivalvis</i> Radlk.	tree	0
<i>Cupania vernalis clethroides</i> Radlk.	L. Radlkofer		<i>Cupania vernalis</i> Cambess.	shrub	1
<i>Dilodendron bipinnatum</i> Rdlk.	L. Radlkofer	Warming, US	<i>Dilodendron bipinnatum</i> Radlk.	tree	0
<i>Magonia glabrata</i> St. Hil.	L. Radlkofer		<i>Magonia pubescens</i> A. St.-Hil.	tree	2
<i>Magonia pubescens</i> St. Hil.	L. Radlkofer		<i>Magonia pubescens</i> A. St.-Hil.	tree	2
<i>Matayba guianensis micrantha</i> Radlk.	L. Radlkofer		<i>Matayba guianensis</i> Aubl.	tree	0
<i>Matayba guianensis sublinearis</i> Radlk.	L. Radlkofer		<i>Matayba guianensis</i> Aubl.	tree	0
<i>Matayba juglandifolia</i> Radlk.	L. Radlkofer	Warming, BR	<i>Matayba juglandifolia</i> (Cambess.) Radlk.	tree	1
<i>Paullinia elegans</i> Camb.	L. Radlkofer		<i>Paullinia elegans</i> Cambess.	vine	0

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<b>Paullinia meliaefolia var.hirsuta Camb.</b>	L. Radlkofer		Paullinia meliifolia Juss.	vine	0
<b>Paullinia pseudota Radlk.</b>	L. Radlkofer	Warming, P	Paullinia pseudota Radlk.	vine	0
<b>Paullinia spicata Benth.</b>	L. Radlkofer		Paullinia spicata Benth.	vine	1
<b>Serjania comata Radlk.</b>	L. Radlkofer		Serjania comata Radlk.	vine	0
<b>Serjania erecta Radlk.</b>	L. Radlkofer		Serjania erecta Radlk.	vine	1
<b>Serjania fuscifolia Radlk.</b>	L. Radlkofer		Serjania fuscifolia Radlk.	vine	0
<b>Serjania glabrata Kunth.</b>	L. Radlkofer		Serjania glabrata Kunth	vine	0
<b>Serjania grandiflora Camb.</b>	L. Radlkofer		Serjania caracasana (Jacq.) Willd.	vine	1
<b>Serjania laruotteana Camb.</b>	L. Radlkofer		Serjania laruotteana Cambess.	vine	0
<b>Serjania lethalis St. Hil.</b>	L. Radlkofer		Serjania lethalis A. St.-Hil.	vine	1
<b>Serjania mansiana Mart.</b>	L. Radlkofer		Serjania mansiana Mart.	vine	1
<b>Serjania marginata Casar.</b>	L. Radlkofer		Serjania marginata Casar.	vine	0
<b>Serjania meridionalis Camb.</b>	L. Radlkofer		Serjania meridionalis Cambess.	vine	0
<b>Serjania noxia Camb.</b>	L. Radlkofer		Serjania noxia Cambess.	vine	0
<b>Serjania obtusidentata Radlk.</b>	L. Radlkofer		Serjania obtusidentata Radlk.	vine	0
<b>Serjania paradoxa molliuscula Radlk.</b>	L. Radlkofer	Warming, BR	Serjania paradoxa Radlk.	vine	0
<b>Serjania paradoxa subvelutina Radlk.</b>	L. Radlkofer		Serjania paradoxa Radlk.	vine	0
<b>Serjania perulacea Radlk.</b>	L. Radlkofer	Warming, BR	Serjania perulacea Radlk.	vine	0
<b>Serjania pinnatifolia Radlk.</b>	L. Radlkofer	Warming, BR	Serjania pinnatifolia Radlk.	vine	0
<b>Serjania regnellii Schlecht.</b>	L. Radlkofer		Serjania regnellii Schltdl.	vine	1
<b>Serjania reticulata Camb.</b>	L. Radlkofer		Serjania reticulata Cambess.	vine	0
<b>Serjania tristis Radlk.</b>	L. Radlkofer	Warming, BR	Serjania tristis Radlk.	vine	0
<b>Thinouia scandens Radlk.</b>	L. Radlkofer		Thinouia scandens Triana & Planch.	vine	0
<b>Thinouia ternata Radlk.</b>	L. Radlkofer		Thinouia ternata Radlk.	shrub	0
<b>Urvillea laevis Radlk.</b>	L. Radlkofer		Urvillea laevis Radlk.	vine	0
<b>Sapotaceae</b>					
<b>Chrysophyllum ebenaceum Mart.</b>	A. W. Eichler		Chrysophyllum marginatum (Hook. & Arn.) Radlk.	tree	0
<b>Chrysophyllum persicastrum Eichl.</b>	A. W. Eichler	Warming, K?	Chrysophyllum gonocarpum (Mart. & Eichler ex Miq.) Engl.	tree	0

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<b>Lucuma catocladantha Eichl.</b>	A. W. Eichler	Warming, C	Pouteria gardneri (Mart. & Miq.) Baehni	tree	0
<b>Lucuma ramiflora A. DC.</b>	A. W. Eichler		Pouteria ramiflora (Mart.) Radlk.	tree	0
<b>Lucuma torta A. DC.</b>	A. W. Eichler		Pouteria torta (Mart.) Radlk.	tree	0
<b>Lucuma warmingii Eichl.</b>	A. W. Eichler		Pouteria venosa (Mart.) Baehni	tree	0
<b>Passaveria obovata Mart. et Eichl.</b>	A. W. Eichler		Ecclinusa ramiflora Mart.	tree	0
<b>Scrophulariaceae</b>					
<b>Buddleia brachiata Cham. et Schl.</b>	Aug. Progel		Buddleja brachiata Cham. & Schltld.	shrub	0
<b>Buddleia brasiliensis Jacq.</b>	Aug. Progel		Buddleja stachyoides Cham. & Schltld.	shrub	0
<b>Simaroubaceae</b>					
<b>Simaba warmingiana Engl.</b>	A. Engler	Warming, F	Simaba warmingiana Engl.	shrub	1
<b>Smilacaceae</b>					
<b>Smilax brasiliensis Spreng.</b>	A. Grisebach		Smilax brasiliensis Spreng.	shrub	0
<b>Smilax ficifolia Gr.</b>	A. Grisebach		Smilax elastica Griseb.	vine	0
<b>Smilax lappacea W.</b>	A. Grisebach		Smilax lappacea Willd.	vine	0
<b>Smilax nitida Gr.</b>	A. Grisebach		Smilax rufescens Griseb.	shrub	0
<b>Smilax pruinosa Gr.</b>	A. Grisebach		Smilax brasiliensis Spreng.	shrub	0
<b>Smilax robusta Gr.</b>	A. Grisebach		Smilax staminea Griseb.	vine	0
<b>Smilax salicifolia Gr.</b>	A. Grisebach		Smilax salicifolia Griseb.	vine	0
<b>Smilax syringoides Gr.</b>	A. Grisebach		Smilax fluminensis Steud.	vine	0
<b>Solanaceae</b>					
<b>Bassovia fasciculata Dunal.</b>	W. P. Hiern		Aureliana fasciculata (Vell.) Seudtn.	tree	0
<b>Bassovia velutina Dunal.</b>	W. P. Hiern		Aureliana velutina Sendtn.	tree	0
<b>Brunfelsia hopeana Benth.</b>	J. A. Schimidt		Brunfelsia brasiliensis (Spreng.) L.B.Sm. & Downs	shrub	0
<b>Brunfelsia ramosissima confertiflora Mart.</b>	J. A. Schimidt		Brunfelsia brasiliensis (Spreng.) L.B.Sm. & Downs	shrub	0
<b>Brunfelsia ramosissima laxiflora Mart.</b>	J. A. Schimidt		Brunfelsia brasiliensis (Spreng.) L.B.Sm. & Downs	shrub	0
<b>Capsicum baccatum L.</b>	W. P. Hiern		Capsicum baccatum L.	vine	2
<b>Capsicum campylopodium Sendtn.</b>	W. P. Hiern		Capsicum campylopodium Sendtn.	shrub	0
<b>Capsicum microcarpum Broussonet</b>	W. P. Hiern		Capsicum baccatum L.	vine	2
<b>Cestrum axillare Vell.</b>	W. P. Hiern		Cestrum axillare Vell.	tree	0

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<b>Cestrum conglomeratum Ruiz &amp; Pav. (?)</b>	W. P. Hiern		Cestrum conglomeratum Ruiz & Pav.	shrub	0
<b>Cestrum corviaceum Miers.</b>	W. P. Hiern		Cestrum schlechtendalii G.Don	tree	0
<b>Cestrum gardneri Sendtn.</b>	W. P. Hiern		Cestrum gardneri Sendtn.	shrub	0
<b>Cestrum velutinum Hiern</b>	W. P. Hiern	Warming, C	Cestrum velutinum Hiern	shrub	0
<b>Cestrum velutinum var.gardnerianum Hiern</b>	W. P. Hiern		Cestrum velutinum Hiern	shrub	0
<b>Cestrum viridiflorum Hook.</b>	W. P. Hiern		Cestrum strigilatum Ruiz & Pav.	tree	0
<b>Cyphomandra calycina Sendtn.</b>	W. P. Hiern		Solanum latiflorum Bohs	tree	0
<b>Datura stramonium L.</b>	W. P. Hiern		Datura stramonium L.	shrub	1
<b>Nicotiana tabacum L.</b>	W. P. Hiern		Nicotiana tabacum L.	herb	0
<b>Physalis angulata L.</b>	W. P. Hiern		Physalis angulata L.	herb	0
<b>Physalis peruviana L.</b>	W. P. Hiern		Physalis peruviana L.	shrub	0
<b>Physalis pubescens L.</b>	W. P. Hiern		Physalis pubescens L.	herb	0
<b>Physalis pubescens hygrophila Dunal</b>	W. P. Hiern		Physalis pubescens L.	herb	0
<b>Solanum alatum Seem. et Schmidt.</b>	W. P. Hiern		Solanum robustum H.L.Wendl.	shrub	0
<b>Solanum argenteum Dunal.</b>	W. P. Hiern		Solanum argenteum Dunal	tree	0
<b>Solanum atropurpureum Schrank</b>	W. P. Hiern		Solanum affine Schrank	shrub	0
<b>Solanum cernuum Vell.</b>	W. P. Hiern		Solanum cernuum Vell.	tree	0
<b>Solanum convolvulus Sendtn.</b>	W. P. Hiern		Solanum flaccidum Vell.	vine	0
<b>Solanum didymum Dunal.</b>	W. P. Hiern		Solanum didymum Dunal	shrub	0
<b>Solanum fulvum Hiern</b>	W. P. Hiern	Warming, C	Solanum decompositiflorum Sendtn.	shrub	1
<b>Solanum gilo v.afine Raddi</b>	W. P. Hiern		Solanum aethiopicum L.	shrub	0
<b>Solanum gnaphalocarpon Vell.</b>	W. P. Hiern	Warming, C	Solanum gnaphalocarpon Vell.	shrub	0
<b>Solanum intermedium Sendtn.</b>	W. P. Hiern		Solanum intermedium Sendtn.	shrub	0
<b>Solanum lycocarpum St. Hil.</b>	W. P. Hiern		Solanum lycocarpum A. St.-Hil.	tree	2
<b>Solanum mauritanium Scop.</b>	W. P. Hiern		Solanum granulosoleprosum Dunal	tree	0
<b>Solanum nigrum L.</b>	W. P. Hiern		Solanum americanum Mill.	herb	1
<b>Solanum oleraceum Vell.</b>	W. P. Hiern		Solanum alternatopinnatum Steud.	vine	0
<b>Solanum oocarpum Sendtn.</b>	W. P. Hiern		Solanum oocarpum Sendtn.	tree	0
<b>Solanum paniculatum L.</b>	W. P. Hiern		Solanum paniculatum L.	shrub	1

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<b>Solanum paniculatum integrifolium Dunal</b>	W. P. Hiern		Solanum paniculatum L.	shrub	1
<b>Solanum platanifolium Hook.</b>	W. P. Hiern		Solanum incarceratum Ruiz & Pav.	shrub	0
<b>Solanum platanifolium var.(?)lagoense Hiern</b>	W. P. Hiern	Warming, P	Solanum affine Schrank	shrub	0
<b>Solanum rufescens var.(?)virescens Hiern</b>	W. P. Hiern	Warming, C	Solanum rufescens Sendtn.	tree	0
<b>Solanum sisymbriifolium Lam.</b>	W. P. Hiern		Solanum sisymbriifolium Lam.	shrub	0
<b>Solanum sublentum Hiern</b>	W. P. Hiern	Warming, C	Solanum sublentum Hiern	shrub	0
<b>Solanum subumbellatum Vell.</b>	W. P. Hiern		Solanum subumbellatum Vell.	shrub	2
<b>Solanum tabacifolium Salzm.</b>	W. P. Hiern		Solanum scuticum M.Nee	tree	0
<b>Solanum violaeifolium Schott.</b>	W. P. Hiern		Lycianthes repens (Spreng.) Bitter	herb	0
<b>Solanum warmingii Hiern</b>	W. P. Hiern	Warming, P	Solanum warmingii Hiern	tree	0
<b>Styracaceae</b>					
<b>Styrax ambiguus Seub.</b>	E. Warming		Styrax pohlii A.DC.	tree	0
<b>Styrax camporum Pohl.</b>	E. Warming		Styrax camporum Pohl	tree	0
<b>Styrax glabratum Spreng.</b>	E. Warming		Styrax glabratus Schott	tree	0
<b>Styrax klotschii Seub.</b>	E. Warming		Styrax latifolius Pohl	tree	0
<b>Styrax leprosus Hook. et Arn.</b>	E. Warming		Styrax leprosus Hook. & Arn.	tree	0
<b>Styrax nervosus A.DC.</b>	E. Warming		Styrax ferrugineus Nees & Mart.	shrub	5
<b>Symplocaceae</b>					
<b>Symplocos lanceolata A. DC.</b>	E. Warming		Symplocos oblongifolia Casar.	tree	0
<b>Symplocos pubescens Klotzsch.</b>	E. Warming		Symplocos pubescens Klotzsch ex Benth.	tree	0
<b>Theaceae</b>					
<b>Laplacea semiserrata var.acutifolia (Mart.)</b>	H. Warra		Laplacea fruticosa (Schrad.) Kobuski	shrub	0
<b>Laplacea semiserrata var.communis Camb.</b>	H. Warra		Laplacea fruticosa (Schrad.) Kobuski	shrub	0
<b>Thymelaeaceae</b>					
<b>Daphnopsis utilis Wrmg.</b>	E. Warming	Warming, C	Daphnopsis utilis Warm.	tree	2
<b>Trigoniaceae</b>					
<b>Trigonia simplex Warming.</b>	E. Warming		Trigonia eriosperma (Lam.) Fromm & E. Santos	shrub	0
<b>Tropaeolaceae</b>					
<b>Tropaeolum warmingianum Rohrb.</b>	P. Rohrbach	Warming, C	Tropaeolum warmingianum Rohrb.	vine	2

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Family Taxa	Identified by	Type	Correct name	Life form	R
<b>Turneraceae</b>					
<b>Piriqueta aurea Urban.</b>	J. Urban		Piriqueta aurea (Cambess.) Urb.	shrub	0
<b>Piriqueta cistoides var.genuina Urban.</b>	J. Urban		Piriqueta cistoides (L.) Griseb.	shrub	0
<b>Urticaceae</b>					
<b>Boehmeria caudata Swa.</b>	H.A. Weddel		Boehmeria caudata Sw.	shrub	1
<b>Boehmeria caudata var.arborescens Wedd.</b>	H.A. Weddel		Boehmeria caudata Sw.	shrub	1
<b>Boehmeria cylindrica Willd.</b>	H.A. Weddel		Boehmeria cylindrica (L.) Sw.	shrub	1
<b>Hemistylis brasiliensis Wedd.</b>	H.A. Weddel	Warming ?, C	Hemistylus brasiliensis Wedd.	shrub	0
<b>Pilea serpyllifolia Wedd.</b>	H.A. Weddel		Pilea serpyllifolia (Poir.) Wedd.	herb	0
<b>Pilea trianthemoides Lindl. ?</b>	H.A. Weddel		Pilea trianthemoides Lindl.	herb	0
<b>Urera baccifera Gaudich.</b>	H.A. Weddel		Urera baccifera (L.) Gaudich. ex Wedd.	shrub	0
<b>Urera caracasana var.tomentosa ? Wedd.</b>	H.A. Weddel		Urera caracasana (Jacq.) Gaudich. ex Griseb.	shrub	0
<b>Verbenaceae</b>					
<b>Bouchea laetevirens Schauer</b>	W. P. Hiern		Bouchea pseudochascanum (Walp.) Grenzeb.	shrub	0
<b>Bouchea pseudogervao Cham.</b>	W. P. Hiern		Bouchea fluminensis (Vell.) Moldenke	shrub	0
<b>Casselia chamaedryfolia Cham.</b>	W. P. Hiern		Casselia chamaedryfolia Cham.	shrub	0
<b>Citharexylon laetum Hiern</b>	W. P. Hiern	Warming, C	Citharexylum laetum Hiern	tree	0
<b>Lantana brasiliensis Link.</b>	W. P. Hiern		Lippia brasiliensis (Link) T.R.S.Silva	shrub	1
<b>Lantana camara L.</b>	W. P. Hiern		Lantana camara L.	shrub	3
<b>Lantana fucata Lindl.</b>	W. P. Hiern		Lantana fucata Lindl.	shrub	0
<b>Lantana mixta L.</b>	W. P. Hiern		Lantana camara L.	shrub	3
<b>Lantana trifolia L.</b>	W. P. Hiern		Lantana trifolia L.	shrub	1
<b>Lippia aristata Schauer</b>	W. P. Hiern		Lippia aristata Schauer	shrub	0
<b>Lippia chamissonis D. Dietr.</b>	W. P. Hiern		Lippia lippoides (Cham.) Rusby	shrub	0
<b>Lippia lupina Cham.</b>	W. P. Hiern		Lippia lupulina Cham.	shrub	1
<b>Lippia martiana Schauer</b>	W. P. Hiern		Lippia stachyoides var. martiana (Schauer) Salimena & Múlgura	shrub	0
<b>Lippia microphylla Cham.</b>	W. P. Hiern		Lippia organoides Kunth.	shrub	0
<b>Lippia nodiflora Rich.</b>	W. P. Hiern		Phyla nodiflora (L.) Greene	herb	0

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<b>Lippia organoides Kunth.</b>	W. P. Hiern		Lippia organoides Kunth.	shrub	0
<b>Lippia oxycnemis Schauer.</b>	W. P. Hiern		Lippia oxycnemis Schauer	shrub	0
<b>Lippia rotundifolia Cham.</b>	W. P. Hiern		Lippia rotundifolia Cham.	shrub	0
<b>Lippia sericea Cham.</b>	W. P. Hiern		Lippia sericea Cham.	shrub	1
<b>Lippia urticoides Steud.</b>	W. P. Hiern		Aloysia virgata (Ruiz & Pav.) Juss.	tree	0
<b>Petrea subserrata Cham.</b>	W. P. Hiern		Petrea volubilis L.	shrub	0
<b>Stachytarpheta cajanensis Vahl.</b>	W. P. Hiern		Stachytarpheta cayennensis (Rich.) Vahl	shrub	1
<b>Stachytarpheta reticulata Mart.</b>	W. P. Hiern		Stachytarpheta gesnerioides Cham.	shrub	0
<b>Verbena chamaedrifolia Juss (?)</b>	W. P. Hiern		Glandularia peruviana (L.) Small	herb	0
<b>Verbena litoralis Kunth.</b>	W. P. Hiern		Verbena litoralis Kunth.	herb	1
<b>Violaceae</b>					
<b>Anchietea salutaris St. Hil.</b>	A. W. Eichler		Anchietea pyrifolia (Mart.) G. Don.	vine	0
<b>Jonidium atropurpureum St. Hil.</b>	A. W. Eichler		Pombalia atropurpurea (A.St.-Hil.) Paula-Souza	shrub	1
<b>Jonidium commune St. Hil.</b>	A. W. Eichler		Pombalia communis (A.St.-Hil.) Paula-Souza	shrub	0
<b>Jonidium setigerum St. Hil.</b>	A. W. Eichler		Pombalia setigera (A.St.Hil.) Paula-Souza	shrub	0
<b>Noisettia longifolia H. B. K.</b>	A. W. Eichler		Noisettia orchidiflora (Rudge) Ging.	herb	0
<b>Vitaceae</b>					
<b>Vitis campestris Baker.</b>	Seubert, M.	Warming, C	Cissus campestris (Baker) Planch	shrub	0
<b>Vitis salutaris Baker.</b>	Seubert, M.		Cissus erosa Rich	vine	1
<b>Vitis scabricalis Baker.</b>	Seubert, M.		Cissus subrhomboidea (Baker) Planch	vine	1
<b>Vitis selloana Baker.</b>	Seubert, M.	Warming, C	Cissus tinctoria Mart.	vine	0
<b>Vitis sessilifolia Baker.</b>	Seubert, M.		Cissus erosa Rich	vine	1
<b>Vitis sicyoides ovata Baker.</b>	Seubert, M.		Cissus verticillata (L.) Nicolson & C.E. Jarvis	vine	0
<b>Vitis sicyoides tamoides Baker.</b>	Seubert, M.		Cissus verticillata (L.) Nicolson & C.E. Jarvis	vine	0
<b>Vitis simsiana (Roem et Schult). Baker</b>	Seubert, M.		Cissus simsiana Schult. & Schult.f.	vine	0
<b>Vitis suberecta Baker.</b>	Seubert, M.		Cissus erosa Rich	vine	1
<b>Vitis subrhomboidea Baker.</b>	Seubert, M.	Warming, K	Cissus subrhomboidea (Baker) Planch	vine	1
<b>Vitis sulcicaulis Baker.</b>	Seubert, M.	Warming, K	Cissus sulcicaulis (Baker) Planch	vine	0
<b>Vochysiaceae</b>					



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<b>Amphilochia cordata (Sprengel) Mart.</b>	E. Warming		Qualea cordata (Mart.) Spreng.	tree	1
<b>Callisthene minor Mart.</b>	E. Warming		Callisthene major Mart. & Zucc.	tree	2
<b>Qualea grandiflora Mart.</b>	E. Warming		Qualea grandiflora Mart.	tree	2
<b>Qualea jundiahy Wrmg.</b>	E. Warming	Warming, F	Qualea ingens Warm.	tree	0
<b>Qualea multiflora Mart.</b>	E. Warming		Qualea multiflora Mart.	tree	1
<b>Qualea parviflora Mart.</b>	E. Warming		Qualea parviflora Mart.	tree	9
<b>Salvertia convallariodora St. Hil.</b>	E. Warming		Salvertia convallariodora A.St.-Hil.	shrub	5
<b>Vochysia elliptica Mart.</b>	E. Warming		Vochysia elliptica Mart.	tree	3
<b>Vochysia rufa Mart.</b>	E. Warming		Vochysia rufa Mart.	tree	2
<b>Vochysia thyrsoidea Pohl.</b>	E. Warming		Vochysia thyrsoidea Pohl.	tree	2
<b>Vochysia tucanorum Mart.</b>	E. Warming		Vochysia tucanorum Mart.	tree	0
<b>Xyridaceae</b>					
<b>Xyris laxifolia Mart.</b>	M. Seubert.		Xyris macrocephala Vahl	herb	0
<b>Xyris metallica Klotsch.</b>	M. Seubert.		Xyris metallica Kunth	herb	0
<b>Xyris savanensis glabrata Miquel.</b>	M. Seubert.		Xyris savanensis Miq.	herb	0
<b>Xyris schizachne Mart.</b>	M. Seubert.		Xyris schizachne Mart.	herb	0
<b>Zingiberaceae</b>					
<b>Renealmia exaltata Linn f.</b>			Renealmia brasiliensis K.Schum.	herb	0

**APPENDIX B** Table containing species' correct names from herbaria data, arranged by botanical family; only one voucher was added per species; and life form indication.

Family Species correct name	Voucher	Collection	Life form
<b>Acanthaceae</b>			
<i>Ruellia paniculata</i> L.	s.col., s.n.	BHCB 32719	shrub
<i>Ruellia villosa</i> (Nees) Lindau	M.B. Ferreira, 8927	PAMG 8317	shrub
<b>Alismataceae</b>			
<i>Hydrocleys nymphoides</i> (Willd.) Buchenau	Anjos, A.M.G. dos, 126	BHCB 19104	herb
<b>Amaranthaceae</b>			
<i>Alternanthera sessilis</i> (L.) R.Br.	Prous, P., s.n.	BHCB 1909	shrub
<i>Alternanthera tenella</i> Colla	Cerezo, F.L.B.; Vasconcelos, M.M.C., s.n.	BHCB 14655	shrub
<i>Amaranthus spinosus</i> L.	Pedralli et al.,	HXBH 012219	herb
<b>Anacardiaceae</b>			
<i>Anacardium nanum</i> A.St.-Hil.	Barreto, H.L.M., 441	BHCB 54769	shrub
<i>Astronium nelson-rosae</i> Santin	s.col., s.n.	BHCB 32713	tree
<i>Myracrodruon urundeuva</i> Allemão	s.col., s.n.	BHCB 32708	tree
<b>Annonaceae</b>			
<i>Annona coriacea</i> Mart.	s.col., s.n.	BHCB 32704	tree
<i>Annona tomentosa</i> R.E.Fr.	s.col., s.n.	BHCB 32705	shrub
<b>Apiaceae</b>			
<i>Eryngium junceum</i> Cham. & Schltdl.	Barreto, H.L.M., s/n	IAC 3474	herb
<b>Apocynaceae</b>			
<i>Aspidosperma ramiflorum</i> Müll.Arg.	s.col., s.n.	BHCB 32698	tree
<i>Barjonia laxa</i> Malme	Hoehne, F.C., s.n.	SP 25129	shrub
<i>Marsdenia altissima</i> (Jacq.) Dugand	A. E. Brina, s.n.	BHCB 32722	vine
<i>Minaria parva</i> (Silveira) T.U.P.Konno & Rapini	Badini, J., s.n.	OUPR 851	vine
<b>Araceae</b>			
<i>Asterostigma cryptostylum</i> Bogner	s.col., s.n.	BHCB 32690	herb
<i>Monstera deliciosa</i> Liebm.	Mitzi Brandão, 7521	PAMG 11525	shrub
<i>Pistia stratiotes</i> L.	Pedralli et al.,	HXBH 012220	herb
<b>Araliaceae</b>			
<i>Oreopanax fulvum</i> Marchal	Rizzini, 465	RB 73158	tree
<b>Asteraceae</b>			
<i>Acmella alba</i> (L'Hér.) R.K.Jansen	L. B. Smith, 6711	NYBG_BR 663719	epiphyte

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<b>Species correct name</b>			
<b>Aldama bakeriana (S.F.Blake) E.E.Schill. &amp; Panero</b>	Pedersoli, J.L.; et al., 95	BHCB 402	shrub
<b>Aspilia jolyana G.M. Barroso</b>	Mitzi Brandão, 7322	PAMG 24279	shrub
<b>Aspilia platyphylla (Baker) S.F.Blake</b>	Arndt, M.H.L., s.n.	BHCB 17459	shrub
<b>Aspilia warmingii Baker</b>	Barreto, H.L.M., 4133	BHCB 55550	herb
<b>Baccharis genistelloides (Lam). Pers.</b>	W. A. Archer, 3603	NYBG_BR 847110	shrub
<b>Baccharis tridentata Vahl</b>	Handro, W., 53	SP 80973	shrub
<b>Calea fruticosa (Gardner) Urbatsch, Zlotzky &amp; Pruski</b>	Mitzi Brandão, 7221	PAMG 6039	shrub
<b>Calyptocarpus brasiliensis (Nees &amp; Mart.) B. Turner</b>	Claudio A. Silva, 9	PAMG 24400	tree
<b>Chromolaena chaseae (B.L.Rob.) R.M.King &amp; H.Rob.</b>	Martins, R.P., s.n.	BHCB 8498	shrub
<b>Cosmos sulphureus Cav.</b>	Cerezo, F.L.B.; Vasconcelos, M.M.C., s.n.	BHCB 14663	herb
<b>Delilia biflora (L.) Kuntze</b>	Cerezo, F.L.B.; Vasconcelos, M.M.C., s.n.	BHCB 14664	herb
<b>Disynaphia ligulifolia (Hook. &amp; Arn.) R.M.King &amp; H.Rob.</b>	Pires, J.M., 2790	RB 102408	shrub
<b>Emilia fosbergii Nicolson</b>	Cerezo, F.L.B.; Vasconcelos, M.M.C., s.n.	BHCB 14672	herb
<b>Emilia sonchifolia (L.) DC. ex Wight</b>	J.F. Macedo, 652	PAMG 25634	herb
<b>Eremanthus erythropappus (DC.) MacLeish</b>	A. E. Brina, s.n.	BHCB 32751	tree
<b>Galinsoga parviflora Cav.</b>	Prous, P., s.n.	BHCB 3425	herb
<b>Lepidaploa helophila (Mart. ex DC.) H.Rob.</b>	Barreto, H.L.M., 11304	BHCB 55358	shrub
<b>Lessingianthus laevigatus (Mart. ex DC.) H.Rob.</b>	Duarte, A.P., 2446	RB 257269	shrub
<b>Lessingianthus rosmarinifolius (Less.) H. Rob.</b>	M.B. Ferreira, 7324	PAMG 5211	shrub
<b>Melampodium paniculatum Gardner</b>	L. Roth, 1410	CESJ 1410	herb
<b>Mikania pohlii (Baker) R.M.King &amp; H.Rob.</b>	A. Macedo, 2944	NYBG_BR 894989	shrub
<b>Praxelis pauciflora (Kunth) R.M.King &amp; H.Rob.</b>	J.F. Macedo, 58	PAMG 17685	shrub
<b>Pterocaulon alopecuroides (Lam.) DC.</b>	s.col., s.n.	BHCB 17955	shrub
<b>Sphagneticola trilobata (L.) Pruski</b>	Cerezo, F.L.B.; Vasconcelos, M.M.C., s.n.	BHCB 14666	herb
<b>Spilanthes nervosa Chodat</b>	L. Roth,	RB 117584	herb
<b>Stenocephalum apiculatum (Mart. ex DC.) Sch. Bip.</b>	M.B. Ferreira, 7320	PAMG 5209	shrub
<b>Trixis praestans (Vell.) Cabrera</b>	Moura, L.S. de, 67	VIC 7137	herb
<b>Wedelia kerrii N.E.Br.</b>	A. E. Brina, s.n.	BHCB 32749	herb
<b>Bignoniaceae</b>			
<b>Amphilophium elongatum (Vahl) L.G.Lohmann</b>	Joly, A.B., 1132	MBM 65566	vine
<b>Handroanthus chrysotrichus (Mart. ex DC.) Mattos</b>	s.col., s.n.	BHCB 32727	tree

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<b>Species correct name</b>			
<b>Handroanthus serratifolius (A.H.Gentry) S.Grose</b>	s.col., s.n.	BHCB 32726	tree
<b>Perianthomega vellozoi Bureau</b>	s.col., s.n.	BHCB 32737	shrub
<b>Tabebuia roseoalba (Ridl.) Sandwith</b>	Grandi, T.S.M., s.n.	BHCB 13378	tree
<b>Boraginaceae</b>			
<b>Heliotropium curassavicum L.</b>	Prous, P., s.n.	BHCB 1941	herb
<b>Bromeliaceae</b>			
<b>Acanthostachys strobilacea (Schult. &amp; Schult.f.) Klotzsch</b>	s.col., s.n.	BHCB 32724	epiphyte
<b>Ananas ananassoides (Baker) L.B.Sm.</b>	J.A. Lombardi, s.n.	BHCB 21396	herb
<b>Tillandsia loliacea Mart. ex Schult. &amp; Schult.f.</b>	s.col., s.n.	BHCB 32723	epiphyte
<b>Tillandsia pohliana Mez</b>	Martinelli, G., 317	RB 195792	epiphyte
<b>Tillandsia tricholepis Baker</b>	Martinelli, G., 321	RB 195793	epiphyte
<b>Burseraceae</b>			
<b>Protium brasiliense (Spreng.) Engl.</b>	Damásio, L.,	RB 95426	tree
<b>Cactaceae</b>			
<b>Brasiliopuntia brasiliensis (Willd.) A.Berger</b>	s.col., s.n.	BHCB 32769	tree
<b>Calophyllaceae</b>			
<b>Kielmeyera rosea Mart. &amp; Zucc.</b>	Carmello, S,M,	BOTU 17784	tree
<b>Campanulaceae</b>			
<b>Hippobroma longiflora (L.) G.Don</b>	Barreto, H.L.M., 2211	BHCB 58652	herb
<b>Celastraceae</b>			
<b>Maytenus ilicifolia Mart. ex Reissek</b>	s.col., s.n.	BHCB 32764	shrub
<b>Chrysobalanaceae</b>			
<b>Licania dealbata Hook.f.</b>	Mitzi Brandão, 7516	PAMG 11520	tree
<b>Commelinaceae</b>			
<b>Commelina diffusa Burm.f.</b>	Cerezo, F.L.B.; Vasconcelos, M.M.C., s.n.	BHCB 14662	herb
<b>Tripogandra elata D.R.Hunt</b>	s.col., s.n.	BHCB 32748	herb
<b>Convolvulaceae</b>			
<b>Ipomoea hederifolia L.</b>	Barreto, H.L.M., 2357	BHCB 64239	vine
<b>Jacquemontia prostrata Choisy</b>	Barreto, H.L.M., 2379	RB 32202	vine
<b>Cyperaceae</b>			
<b>Bulbostylis lagoensis (Boeckeler) Prata &amp; M.G.López</b>	Damásio, L., s.n.	OUPR 12520	herb

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<b>Species correct name</b>			
<b>Cyperus entrerianus Boeckeler</b>	Saraiva, A .C.,	HXBH 015041	herb
<b>Cyperus junciformis Cav.</b>	Prous, P., s.n.	BHCB 481	herb
<b>Cyperus rotundus L.</b>	Saraiva, A .C.,	HXBH 015035	herb
<b>Eleocharis elegans (Kunth) Roem. &amp; Schult.</b>	J.F. Macedo, 55	PAMG 17688	herb
<b>Eleocharis sellowiana Kunth</b>	Viégas, A.P., s/nº	IAC 2371	herb
<b>Rhynchospora consanguinea (Kunth) Boeckeler</b>	R. Goodland, 94	NYBG_BR 938369	herb
<b>Scleria uleana Boeckeler ex C.B.Clarke</b>	H.M.Longhi-Wagner et al., 9126	ICN 130813	herb
<b>Dioscoreaceae</b>			
<b>Dioscorea ovata Vell.</b>	s.col., s.n.	BHCB 32798	vine
<b>Dioscorea piperifolia Humb. &amp; Bonpl. ex Willd.</b>	Damásio, L., s.n.	OUPR 12532	vine
<b>Elaeocarpaceae</b>			
<b>Sloanea garckeana K.Schum.</b>	s.col., s.n.	BHCB 32795	tree
<b>Ericaceae</b>			
<b>Agarista eucalyptoides (Cham. &amp; Schldl.) G.Don</b>	Semir, J., 4874	MBM 59260	tree
<b>Agarista glaberrima (Sleumer) Judd</b>	Barros, F., 1337	ESA 76813	tree
<b>Eriocaulaceae</b>			
<b>Eriocaulon melanolepis Silveira</b>	Barreto, H.L.M., 4406	NYBG_BR 860586	herb
<b>Erythroxylaceae</b>			
<b>Erythroxylum deciduum A.St.-Hil.</b>	Barreto, H.L.M., 2712	BHCB 62569	tree
<b>Erythroxylum engleri O.E.Schulz</b>	R. Goodland, 85	NYBG_BR 387186	tree
<b>Euphorbiaceae</b>			
<b>Croton argyroglossus Baill.</b>	s.col., s.n.	BHCB 32792	shrub
<b>Croton campestris A.St.-Hil.</b>	Barreto, H.L.M., 2708	BHCB 63254	shrub
<b>Croton floribundus Spreng.</b>	s.col., s.n.	BHCB 32793	tree
<b>Croton urticifolius Lam.</b>	Rizzini,	RB 266782	herb
<b>Euphorbia heterophylla L.</b>	s.col., s.n.	BHCB 32786	herb
<b>Gymnanthes schottiana Müll.Arg.</b>	Rizzini,	RB 73167	tree
<b>Maprounea guianensis Aubl.</b>	Kinoshita, L.S.; et al., 162	UEC 130232	shrub
<b>Microstachys ditassoides (Didr.) Esser</b>	Yamamoto, K.; et al., 87	UEC 130591	herb
<b>Sapium obovatum Klotzsch ex Müll.Arg.</b>	s.col., s.n.	BHCB 32784	shrub
<b>Fabaceae</b>			

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Family	Voucher	Collection	Life form
<b>Species correct name</b>			
<b>Aeschynomene americana</b> L.	Barreto, H.L.M., 6050	BHCB 66555	shrub
<b>Aeschynomene brasiliiana</b> (Poir.) DC.	Benjamim M. da Costa, 45	R 66410	shrub
<b>Aeschynomene sensitiva</b> Sw.	Sampaio, A., 7535	R 67690	shrub
<b>Bauhinia variegata</b> L.	Silva, A.M., s.n.	BHCB 17460	tree
<b>Calliandra fasciculata</b> Benth.	Rizzini,	RB 73171	shrub
<b>Chamaecrista ensiformis</b> (Vell.) H.S.Irwin & Barneby	Faria, S.M., 1370	RB 359371	tree
<b>Crotalaria paulina</b> Schrank	Barreto, H.L.M., 4472	SP 37651	shrub
<b>Dalbergia lateriflora</b> Benth.	Sampaio, A., 6797	MBM 258671	vine
<b>Dalbergia villosa</b> (Benth.) Benth.	Duarte, A.P., 9616	NYBG_BR 984010	tree
<b>Desmodium affine</b> Schltld.	Prous, P., 231	BHCB 961	herb
<b>Desmodium subsecundum</b> Vogel	Prous, P., 228	BHCB 960	herb
<b>Desmodium tortuosum</b> (Sw.) DC.	J.F. Macedo, 690	PAMG 32589	shrub
<b>Dioclea latifolia</b> Benth.	Duarte, A.P., 6511	RB 118721	vine
<b>Enterolobium glaziovii</b> (Benth.) Mesquita	Barreto, H.L.M., 9237	SP 39133	tree
<b>Eriosema congestum</b> Benth.	Yamamoto, K.; et al., 170	UEC 134189	herb
<b>Lonchocarpus muehlbergianus</b> Hassl.	Heringer, E.P., 7328	SP 79874	tree
<b>Machaerium acutifolium</b> Vogel	Mendonça Filho, C.V., 446	UEC 101619	tree
<b>Machaerium stipitatum</b> Vogel	s.col., s.n.	BHCB 990	tree
<b>Macroptilium bracteatum</b> (Nees & Mart.) Maréchal & Baudet	J.F. Macedo, 681	PAMG 25651	vine
<b>Macroptilium lathyroides</b> (L.) Urb.	J.F. Macedo, 656	PAMG 25629	shrub
<b>Macroptilium sabaraense</b> (Hoehne) V.P. Barbosa ex G.P. Lewis	J.F. Macedo, 655	PAMG 25628	vine
<b>Mimosa debilis</b> Humb. & Bonpl. ex Willd.	Prous, P., s.n.	BHCB 867	shrub
<b>Mimosa foliolosa</b> Benth.	Faria, S.M., SMF1365	NYBG_BR 958197	shrub
<b>Senna alata</b> (L.) Roxb.	s.col., s.n.	BHCB 27900	tree
<b>Stylosanthes gracilis</b> Kunth	s.col., s.n.	BHCB 23510	shrub
<b>Tipuana tipu</b> (Benth.) Kuntze	Klitgaard, B.B.; Mendonça Filho, C.V., 13	BHCB 25257	tree
<b>Zollernia ilicifolia</b> (Brongn.) Vogel	s.col., s.n.	BHCB 32765	tree
<b>Zornia hebecarpa</b> Mohlenbr.	Handro, W., 55	SP 80902	herb
<b>Hypericaceae</b>			
<b>Vismia micrantha</b> A.St.-Hil.	s.col., s.n.	BHCB 32752	tree
<b>Lamiaceae</b>			

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Family	Voucher	Collection	Life form
<b>Species correct name</b>			
<b>Cantinoa americana (Aubl.) Harley &amp; J.F.B. Pastore</b>	Cerezo, F.L.B.; Vasconcelos, M.M.C., s.n.	BHCB 14698	shrub
<b>Hyptis lanceolata Poir.</b>	Viégas, A.P., s/nº	IAC 2362	shrub
<b>Hyptis salicina J.A.Schmidt</b>	Pedersoli, J.L.; et al., s.n.	BHCB 772	shrub
<b>Loranthaceae</b>			
<b>Struthanthus flexicaulis Mart.</b>	J.A. Lombardi, 227	BHCB 21883	herb
<b>Struthanthus marginatus (Desr.) Blume</b>	G.M. Magalhães, 4322	BHCB 63375	herb
<b>Lythraceae</b>			
<b>Diplusodon glaucescens DC.</b>	Castro; N.M., s.n.	BHCB 22458	shrub
<b>Diplusodon hirsutus (Cham. &amp; Schldl.) A.DC.</b>	Barbosa, A.A., 403	BHCB 22924	shrub
<b>Malpighiaceae</b>			
<b>Banisteriopsis variabilis B.Gates</b>	Domingos, M.S., s.n.	BHCB 8399	shrub
<b>Diplopterys patula (B.Gates) W.R.Anderson &amp; C.C.Davis</b>	Prous, P., s.n.	BHCB 1072	vine
<b>Heteropterys coriacea A.Juss.</b>	Barreto, H.L.M., 125	RB 1174	shrub
<b>Tetrapteryx argentea Bertol.</b>	Barreto, H.L.M., s.n.	BHCB 1089	shrub
<b>Tetrapteryx chamaecerasifolia A.Juss.</b>	Ferreira, A.G., 23	SP 85272	vine
<b>Malvaceae</b>			
<b>Corchorus argutus Kunth</b>	Oliveira, J.A., s.n.	BHCB 4128	shrub
<b>Eriotheca gracilipes (K.Schum.) A.Robyns</b>	s.col., s.n.	BHCB 32728	tree
<b>Pavonia argentina Gürke</b>	Prous, P., s.n.	BHCB 3649	shrub
<b>Peltaea lasiantha Krapov. &amp; Cristóbal</b>	Werneck, W.S.; et al., s.n.	BHCB 17620	herb
<b>Pseudabutilon aristulosum (K.Schum.) Krapov.</b>	Prous, P., s.n.	BHCB 3664	shrub
<b>Pseudobombax campestre (Mart. &amp; Zucc.) A.Robyns</b>	Magalhães, T.A., 1	BHCB 133730	tree
<b>Sida glaziovii K.Schum.</b>	Saraiva, A .C.,	HXBH 015060	shrub
<b>Marantaceae</b>			
<b>Myrosma cannifolia L.f.</b>	S. Vieira et. al., 339	RB 576152	herb
<b>Mayacaceae</b>			
<b>Mayaca fluviatilis Aubl.</b>	Saraiva, A .C.,	HXBH 015065	herb
<b>Melastomataceae</b>			
<b>Cambessedesia hilariana (Kunth) DC.</b>	Pereira, E., 8832	FLOR 41178	shrub
<b>Fritschia erecta Cham. &amp; Schldl.</b>	Semir, J., 607	MBM 52280	herb
<b>Miconia burchellii Triana</b>	Castilho, R.M.M, 3	UB	shrub

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Family	Voucher	Collection	Life form
<b>Species correct name</b>			
<i>Miconia fallax</i> DC.	L. O. Williams, 7431	NYBG_BR 916879	shrub
<i>Miconia mirabilis</i> (Aubl.) L.O.Williams	Barreto, H.L.M., s.n.	BHCB 18	tree
<i>Microlicia juniperina</i> A. St.-Hil.	Joly, A.B., 4521	MBM 52277	shrub
<i>Ossaea congestiflora</i> (Naudin) Cogn.	Berret, 15961	RB 35287	shrub
<i>Pleroma aemula</i> P.J.F. Guim., A.L.F. Oliveira & R. Romero	Duarte, A.P., 7573	FLOR 41148	shrub
<i>Tibouchina estrellensis</i> (Raddi) Cogn.	Cerezo, F.L.B.; Vasconcelos, M.M.C., s.n.	BHCB 14688	tree
<b>Meliaceae</b>			
<i>Cedrela odorata</i> L.	A. E. Brina, s.n.	MBM 214402	tree
<b>Myrtaceae</b>			
<i>Eugenia acutata</i> Miq.	A. E. Brina, 747	MBM 227927	tree
<i>Eugenia ligustrina</i> (Sw.) Willd.	A. E. Brina, s.n.	SP 330662	tree
<i>Eugenia sonderiana</i> O. Berg	A. E. Brina, s.n.	SP 330647	tree
<b>Nyctaginaceae</b>			
<i>Bougainvillea spectabilis</i> Willd.	Silva, A.M., s.n.	BHCB 17463	vine
<i>Guapira graciliflora</i> (Mart. ex Schmidt) Lundell	Rizzini,	RB 73221	tree
<b>Nymphaeaceae</b>			
<i>Nymphaea ampla</i> (Salisb.) DC.	s.col., s.n.	BHCB 27898	herb
<b>Onagraceae</b>			
<i>Ludwigia hookeri</i> (Micheli) H.Hara	L. B. Smith, 6712	NYBG_BR 653317	herb
<i>Ludwigia leptocarpa</i> (Nutt.) H.Hara	A. E. Brina, s.n.	BHCB 35442	shrub
<i>Ludwigia tomentosa</i> (Cambess.) H.Hara	A. E. Brina, s.n.	FUEL 15482	shrub
<b>Orchidaceae</b>			
<i>Habenaria alpestris</i> Cogn.	s.col.,	BHCB 132435	herb
<i>Malaxis excavata</i> (Lindl.) Kuntze	s.col., s.n.	OUPR 14247	herb
<b>Orobanchaceae</b>			
<i>Agalinis brachyphylla</i> (Cham. & Schltdl.) D'Arcy	Moura, L.S. de, VIC 8895	ESA 15424	shrub
<i>Buchnera ternifolia</i> Kunth	Oliveira, J.A., s.n.	BHCB 1644	hemiparasita
<b>Oxalidaceae</b>			
<i>Averrhoa carambola</i> L.	Ribeiro, V.L.L., s.n.	BHCB 15968	herb
<b>Passifloraceae</b>			
<i>Passiflora eichleriana</i> Mart.	A. E. Brina, s.n.	MBM 226254	vine



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Family	Voucher	Collection	Life form
<b>Species correct name</b>			
<b>Passiflora pohlii Mast.</b>	L. Roth, 14704	CESJ 14704	vine
<b>Phyllanthaceae</b>			
<b>Phyllanthus brasiliensis (Aubl.) Poir.</b>	L. Roth, 15578	MBM 346486	shrub
<b>Phyllanthus rosellus (Müll.Arg.) Müll.Arg.</b>	G.M. Magalhães, 1471	BHCB 64352	shrub
<b>Plantaginaceae</b>			
<b>Bacopa myriophylloides (Benth.) Wettst.</b>	Heringer, E.P., HERB3916	UB	herb
<b>Bacopa salzmännii (Benth.) Wettst. ex Edwall</b>	Viégas, A.P., s/nº	IAC 2358	herb
<b>Bacopa serpyllifolia (Benth.) Pennell</b>	L. Roth, 18765	CESJ 18765	herb
<b>Plantago major L.</b>	J.F. Macedo, 660	PAMG 25633	herb
<b>Poaceae</b>			
<b>Andropogon leucostachyus Kunth</b>	A. Zanin, 676	FLOR 38795	herb
<b>Aristida ekmaniana Henrard</b>	Damásio, L., s.n.	OUPR 12743	herb
<b>Aristida setifolia Kunth</b>	Kinoshita, L.S.; et al., 077	UEC 129484	herb
<b>Axonopus pressus (Nees ex Steud.) Parodi</b>	H.M.Longhi-Wagner et al., 9122	ICN 130809	herb
<b>Cenchrus ciliaries L.</b>	Mitzi Brandão, 11743	PAMG 14273	herb
<b>Coleataenia prionitis (Nees) Soreng</b>	Saraiva, A. C.,	HXBH 015102	shrub
<b>Cymbopogon densiflorus (Steud.) Stapf</b>	Moura, L.S. de, 66	VIC 7295	herb
<b>Digitaria monodactyla (Nees) Stapf</b>	M. A. Chase, 9042	NYBG_BR 713871	herb
<b>Melinis repens (Willd.) Zizka</b>	J.F. Macedo, 657	PAMG 25630	herb
<b>Panicum cervicatum Chase</b>	A. Guglieri, 285	ICN 131031	herb
<b>Paspalum carinatum Humb. &amp; Bonpl. ex Flüggé</b>	M. A. Chase, 9011	RB 77692	herb
<b>Paspalum convexum Humb. &amp; Bonpl. ex Flüggé</b>	M. A. Chase, 9043	NYBG_BR 891714	herb
<b>Paspalum dedeccae Quarín</b>	Damásio, L.,	RB 74433	herb
<b>Paspalum glaziovii (A.G.Burm.) S.Denham</b>	H.M.Longhi-Wagner et al., 4097	ICN 113981	herb
<b>Paspalum inaequivalve Raddi</b>	M. A. Chase, 8985	NYBG_BR 772490	herb
<b>Paspalum rojasii Hack.</b>	H.M.Longhi-Wagner et al., 9124	MOSS 7674	herb
<b>Polygalaceae</b>			
<b>Polygala abreui Marques &amp; J.F.B.Pastore</b>	Yamamoto, K.; et al., 119	UEC 129457	herb
<b>Polygonaceae</b>			
<b>Polygonum ferrugineum Wedd.</b>	J.F. Macedo, 662	PAMG 25623	herb
<b>Pontederiaceae</b>			

**APPENDIX B** Table containing species' correct names from herbaria data, arranged by botanical family; only one voucher was added per species; and life form indication.

Family	Voucher	Collection	Life form
<b>Species correct name</b>			
<b>Pontederia rotundifolia L.f.</b>	Brade, A.C.,	RB 57571	herb
<b>Pontederia triflora (Seub.) G.Agostini et al.</b>	s.col., s.n.	BHCB 27903	herb
<b>Primulaceae</b>			
<b>Myrsine gardneriana A.DC.</b>	Kamino, L.H.Y., 422	RB 517868	tree
<b>Myrsine squarrosa (Mez) M.F. Freitas &amp; L.S. Kinashita</b>	A. E. Brina, s.n.	BHCB 36341	shrub
<b>Rubiaceae</b>			
<b>Coccocypselum aureum (Spreng.) Cham. &amp; Schldl.</b>	Oliveira, J.A., s.n.	BHCB 3802	shrub
<b>Declieuxia lysimachioides Zucc. ex Schult. &amp; Schult.f.</b>	Duarte, A.P., 4296	RB 88850	herb
<b>Ixora gardneriana Benth.</b>	Damásio, L.,	RB 40136	shrub
<b>Manettia pubescens Cham. &amp; Schldl.</b>	Mitzi Brandão, 25176	PAMG 40003	vine
<b>Oldenlandia salzmännii (DC.) Benth. &amp; Hook.f. ex B.D.Jacks.</b>	Viégas, A.P., s/n	IAC 2433	herb
<b>Palicourea rigida Kunth</b>	A. Macedo, 2940	NYBG_BR 1004986	shrub
<b>Sabicea brasiliensis Wernham</b>	s.col., s.n.	BHCB 1588	shrub
<b>Salviniaceae</b>			
<b>Salvinia auriculata Aubl.</b>	J.F. Macedo, 64	PAMG 17679	herb
<b>Sapindaceae</b>			
<b>Paullinia racemosa Wawra</b>	s.col., s.n.	BHCB 1676	vine
<b>Serjania gracilis Radlk.</b>	Mitzi Brandão, 25182	PAMG 40008	vine
<b>Serjania nigricans Radlk.</b>	Barreto, H.L.M., 8278	MBM 276676	vine
<b>Smilacaceae</b>			
<b>Smilax campestris Griseb.</b>	L. Roth, 16789	CESJ 16789	vine
<b>Solanaceae</b>			
<b>Brugmansia arborea (L.) Lagerh.</b>	J.F. Macedo, 65	PAMG 17678	shrub
<b>Brunfelsia uniflora (Pohl) D.Don</b>	Damásio, L., s.n.	BHCB 1691	shrub
<b>Cestrum intermedium Sendt.</b>	Mitzi Brandão, 7514	PAMG 11518	tree
<b>Solanum caavurana Vell.</b>	Damásio, L., s.n.	OUPR	shrub
<b>Solanum cladotrichum Bitter</b>	Agra, M.F., 3587	JPB 21572	shrub
<b>Solanum martii Sendtn.</b>	Damásio, L., s.n.	OUPR	shrub
<b>Solanum palinacanthum Dunal</b>	Prous, P., s.n.	BHCB 2712	shrub
<b>Tropaeolaceae</b>			
<b>Tropaeolum brasiliense Casar.</b>	Carmello, S,M, 14	ESA 48609	vine

**APPENDIX B** Table containing species' correct names from herbaria data, arranged by botanical family; only one voucher was added per species; and life form indication.

Family Species correct name	Voucher	Collection	Life form
<b>Turneraceae</b>			
<i>Turnera capitata</i> Cambess.	s.col., s.n.	OUPR 8096	shrub
<i>Turnera oblongifolia</i> Cambess.	G.M. Magalhães,	BHCB 80904	herb
<b>Typhaceae</b>			
<i>Typha angustifolia</i> L.	Cerezo, F.L.B.; Vasconcelos, M.M.C., s.n.	BHCB 14700	herb
<b>Verbenaceae</b>			
<i>Duranta erecta</i> L.	A. Macedo, s.n.	OUPR 25881	shrub
<i>Lippia hermannioides</i> Cham.	Silva, A.F., 262	CESJ 33965	shrub
<i>Verbena officinalis</i> L.	J.F. Macedo, 691	PAMG 25659	herb
<b>Vitaceae</b>			
<i>Cissus serroniana</i> (Glaziov) Lombardi	A. E. Brina, s.n	BHCB 36592	vine
<b>Vochysiaceae</b>			
<i>Vochysia cinnamomea</i> Pohl.	J.A. Lombardi, s.n.	BHCB 21520	shrub
<i>Vochysia pygmaea</i> Bong.	Segadas-Vianna, F., 1100	RB 514199	shrub

**APPENDIX C** Species in the red list of Brazil (MMA 2014), arranged by botanical family and classified as vulnerable (VU), endangered (EN) or critically endangered (CR).

<b>Family species</b>	<b>Redlist/MMA(2014)</b>
<b>Acanthaceae</b>	
<i>Justicia tijuensis</i> V.A.W.Graham	VU
<b>Alstroemeriaceae</b>	
<i>Alstroemeria caryophyllaea</i> Jacq.	EN
<b>Amaryllidaceae</b>	
<i>Hippeastrum striatum</i> (Lam.) Moore	EN
<i>Griffinia liboniana</i> Morren	EN
<b>Apocynaceae</b>	
<i>Gyrostelma oxypetaloides</i> E.Fourn.	EN
<b>Asteraceae</b>	
<i>Mikania argyreia</i> DC.	VU
<b>Bignoniaceae</b>	
<i>Anemopaegma arvense</i> (Vell.) Stellfeldex de Souza	EN
<i>Zeyheria tuberculosa</i> (Vell.) Bureau exVerl.	VU
<b>Connaraceae</b>	
<i>Rourea cnestidifolia</i> G. Schellenb.	EN
<b>Dichapetalaceae</b>	
<i>Stephanopodium engleri</i> Baill.	EN
<b>Eriocaulaceae</b>	
<i>Actinocephalus claussonianus</i> (Körn.) Sano	VU
<b>Euphorbiaceae</b>	
<i>Croton leptobotryus</i> Müll.Arg.	VU
<b>Fabaceae</b>	
<i>Melanoxylon brauna</i> Schott	VU
<i>Dalbergia nigra</i> (Vell.) AllemãoexBenth.	VU
<b>Lecythidaceae</b>	
<i>Cariniana legalis</i> (Mart.) Kuntze	EN
<b>Lythraceae</b>	
<i>Diplusodon villosissimus</i> Pohl	VU
<i>Cuphea arenarioides</i> A.St.-Hil.	VU
<b>Malpighiaceae</b>	
<i>Heteropterys thyrsoidea</i> (Griseb.) A.Juss.	EN
<b>Melastomataceae</b>	
<i>Ossaea marginata</i> (Desr.) Triana	VU
<b>Meliaceae</b>	
<i>Cedrela odorata</i> L.	VU
<i>Cedrela fissilis</i> Vell.	VU
<b>Oleaceae</b>	
<i>Chionanthus subsessilis</i> (Eichler) P.S.Green	VU
<b>Orchidaceae</b>	
<i>Saundersia mirabilis</i> Rchb.f.	EN
<i>Cyrtopodium triste</i> Rchb.f. &Warm.	VU
<b>Orobanchaceae</b>	
<i>Agalinis brachyphylla</i> (Cham. &Schltdl.) D'Arcy	VU
<b>Piperaceae</b>	
<i>Piper bennettianum</i> C. DC.	VU
<b>Plantaginaceae</b>	

**APPENDIX C** Species in the red list of Brazil (MMA 2014), arranged by botanical family and classified as vulnerable (VU), endangered (EN) or critically endangered (CR).

<b>Family species</b>	<b>Redlist/MMA(2014)</b>
<i>Stemodia hyptoides</i> Cham. &Schltdl.	VU
<b>Poaceae</b>	
<i>Gymnopogon doellii</i> Boechat&Valls	CR
<i>Chusquea tenuiglumis</i> Doll.	CR
<i>Paspalum repandum</i> (Nees) G.H. Rua &Valls	EN
<b>Proteaceae</b>	
<i>Euplassa incana</i> (Klotzsch) I.M.Johnst.	VU
<b>Rubiaceae</b>	
<i>Rudgea parvifolia</i> (Cham.) Müll.Arg.	VU
<b>Simaroubaceae</b>	
<i>Simaba warmingiana</i> Engl.	EN
<b>Smilacaceae</b>	
<i>Smilax lappacea</i> Willd.	EN
<b>Solanaceae</b>	
<i>Solanum warmingii</i> Hiern	EN
<i>Lycianthes repens</i> (Spreng.) Bitter	EN
<b>Tropaeolaceae</b>	
<i>Tropaeolum warmingianum</i> Rohrb.	EN
<b>Vochysiaceae</b>	
<i>Vochysia pygmaea</i> Bong.	EN
<b>Zingiberaceae</b>	
<i>Renalmia brasiliensis</i> K.Schum.	EN