

ONLINE APPENDIX

Species and specimens examined for the study:

Noblick, L. R., W. J. Hahn, and M. P. Griffith. 2013. Structural cladistic study of Cocoseae, subtribe Attaleinae (Arecaceae): Evaluating taxonomic limits in Attaleinae and the neotropical genus *Syagrus*. *Brittonia* 65(2): 232-261.

ACROCOMIA Martius: *A. aculeata* (Jacq.) Loddiges ex Mart. (**ACRa**), Noblick & Lima 4671 (BAH, CEPEC, CPATSA, F, NY, US); Noblick & Lima 4673 (BH, CEPEC, CPATSA, F, K, MO); Noblick et al. 5019 (FTG). *A. crispa* (H.B.K.) H.E. Moore (**ACRc**), Noblick et al. 4921 (FTG). **AIPHANES Willdenow:** *A. erosa* (Lind.) Burret (**AIPe**), Houghton 1358 (FTG). **ALLAGOPTERA C. G. Nees** *A. arenaria* (Gomes) Kuntze (**ALa**), Fantz 3212 (FTG); Fantz 3543 (FTG); Glassman & Medeiros-Costa 8740 (F); Hatschbach 46760 (CEPEC, MBM); Hill 2987 (FTG); Lewis & Carvalho 819 (CEPEC, K); Lima 14 (HBR); Mori 9626 (CEPEC, NY); Noblick 4752 (CEPEC, F, K, LPB, NY); Noblick & Brito 4784 (CEPEC, F, K, LPB); Pinheiro 2114 (CEPEC); Read 955 (FTG); Santos 2989 (CEPEC); Silva 387 (CEPEC); Silva et al. 2509 (CEPEC); Watson 1319 (FTG). *A. brevicalyx* Moraes (**Alb**), Athayde s.n. (BAH, RB); Mello Filho 4240 (R); Noblick 1634 (ALCB); Noblick 4473 (CEPEC, F, HUEFS, MO, US); Noblick & Soeiro 4699 (CEPEC, F, HRB); Noblick & Soeiro 4702 (CEPEC, F, HRB, K, LPB, NY); Orlando 140 (RB); *A. campestris* (Mart.) Kuntze (**ALc**), Brafao 51 (RB); Dambros 242 (HRB); Glassman 13033 (F); Harley 15467 (CEPEC, K); Harley 19341 (CEPEC, K); Harley et al. 25334 (CEPEC); Harley et al. 25693 (CEPEC); Harley et al. 26050 (CEPEC); Lima & Noblick 122-127 (CPATSA); Noblick & Clodoaldo 3494 (HUEFS); Noblick & Clodoaldo 3785 (F, HUEFS, LPB, NY); Noblick et al. 4593 (CEPEC, F); Noblick & Lima 4623 (BAH, CPATSA, F); Noblick & Lima 4640 (BAH, CEPEC, CPATSA, F, MO); Noblick & Lima 4642 (BH, CEPEC, CPATSA, F, FTG, K, LPB); Noblick & Lima 4651 (CEPEC, CPATSA, F, LPB); Noblick 4849 (BHCB, FTG, NY); Noblick 4860 (FTG, MO); Noblick & Ferreira 4865 (FTG, UFG); Noblick et al. 4882 (FTG); Silva 146 (HRB); Silva 21 (HRB); Vaillant 73 (RB). *A. leucocalyx* (Mart.) Kuntze (**ALI**), Moraes 1054 (FTG, LPB); Noblick & Lima 4618 (CEPEC, CPATSA, F, LPB, NY); Noblick & Ferreira 4871 (FTG, K, NY, UFG). **ATTALEA** Humboldt, Bonpland & Kunth: *A. eichleri* (Drude) A.J.Hend. (**ATei**), Andrade-Lima 73-7366 (IPA); Balick et al. 1579 (FTG, SP); Balick et al. 1597 (CEN, FTG, SP); Noblick & Lobo 4530 (BH, CEN, F, FTG, HUEFS, IPA, NY, RB, SP); Noblick & Lima 4674 (BAH, CEPEC, CPATSA, F, K, MO, US). *A. humilis* Mart.

ex Spreng. (**AThu**), Gentry & Zardini 50020 (CEPEC); Glassman 13011-014 (F, SP); Harley 17968 (CEPEC, F, K); Harley 18269 (CEPEC, K); Mori 9611 (CEPEC, NY); Noblick 3732 (F, HUEFS, NY); Noblick & Lemos 3811 (F, HUEFS); Noblick & Johnson 4403 (F, HUEFS); Noblick & Britto 4505 (BH, CEPEC, F, FTG, HUEFS, MO, RB, SP, US); Noblick & Britto 4506 (AAU, CEN, CEPEC, F, GH, HUEFS, K, MO, NY, RB, SP, UC); Noblick et al. 4511 (BH, CAS, CEN, CEPEC, F, FTG, GH, HRB, HUEFS, MO, RB, SP); Noblick & Glassman 4575 (BAH, BH, CEPEC, F); Noblick & Glassman 4577 (BAH, F). *A.phalerata* (Mart.) Burret (**ATph**), Glassman 13092 (FTG); Noblick et al. 4863 (FTG); Noblick & Ferreira 4864 (FTG, NY, UFG); Noblick et al. 4889 (BHCB, CPAP, FTG). *A.pindobassu* Bondar (**ATpi**), Noblick 3828 (CEPEC, F, HUEFS, K, NY, RB, US); Noblick 4535 (CEPEC, F, FTG, HUEFS, IPA, MBM, US); Noblick et al. 4603 (CEPEC, CPATSA, F, FTG, GH, RB, UFG).

BECCARIOPHOENIX Jumelle & Perrier: *B. madagascariensis* Jum. & Perr. (**BEcm**), Dransfield et al. JD6433 (FTG, K). **BUTIA (Beccari) Beccari:** *B. archeri* (Glassman) Glassman (**Barc**), Archer 4048 (NY [isotype]); Cesar 471 (UB); Glassman & Gomes 8024 (F, NY); Horst 60 (MBML); Irwin & Soderstrom 7550 (NY); Krapovickas & Valls 40241 (CTES); Noblick 4848 (BHCB, FTG); Pabst s.n. (B, HB). *B. arenicola* (Barb. Rodr.) Burret (**Bare**), Andrade-Lima 67-5050 (IPA); Chodat s.n. (G); Hassler 3761 (G [holotype, n.v.], NY). *B. campicola* (Barb. Rodr.) Noblick (**Bcpi**), Hassler 5057 (G [holotype]). *B. capitata* (Mart.) Becc. (**Bcap**), Bailey 7 (BH); Noblick & Lobo 4531 (F, HUEFS); Noblick & Lima 4644 (BAH, BH, CEPEC, CPATSA, F, K, MO, NY, US); Noblick & Lima 4647 (CEPEC, CPATSA, F, FTG). *B. eriospatha* (Mart. ex Drude) Becc. (**Beri**), Jack 8296 (NY); Jonsson 985a (NY); Krapovickas et al. 23065 (CTES, F, NY); Krapovickas & Cristobal 33704 (CTES [n.v.], F); Krapovickas & Vanni 37033 (CTES, F, G, MO); Lima s.n. (SP 48639); Moury s.n. (BH); Noblick et al. 4874 (F, FTG, K, MBM, NY); Noblick et al. 4878 (FTG, K, MBM, MO); Noblick et al. 4879 (FTG); Smith & Reitz 9835 (HBR, US). *B. exospadix* Noblick Bernardi 19568 (NY); Marmorini 687 (CTES). (**Bexo**) *B. leptospatha* (Burret) Noblick Archer & Gehrt 3915 (US, SP 36429 [holotype]). (**Blep**) *B. marmorii* Noblick (**Bmar**) Noblick et al. 5122 (Holotype PY, isotypes FCQ, FTG, NY); Marmorini 3138 (Herbarium at Itaipu, CTES, FCQ, MBM); Schinini et al. 28229 (CTES); Krapovickas et al. 46129 (CTES, K); Noblick et al. 5281 (PY, FCQ, K, NY). *B. microspadix* Burret (**Bmic**), Hatschbach 8091 (US); Hatschbach 29229 (MBM, NY); Hatschbach 43024 (HRB); Krieger 7271[b] (CESJ); Krieger 11286 (CESJ); Luederwaldt s.n. (SP 12267); Noblick et al. 4880 (FTG); Noblick et al. 4881 (FTG, K, MBM, NY); Rolfs s.n. (BH). *B. odorata* (Barb. Rodr.) Noblick (**Bodo**), Britton & Britton 7444 (NY); Britton & Britton 9248 (NY); Glaziou 20939 (NY); Herter 346a (MO, NY, US); Herter 346b (NY); Herter 507 (NY); Krapovickas et al. 23078 (NY); Nelson 1722 (NY); Noblick 4829 (FTG, NY); Noblick 4883 (FTG, MBM); Noblick 4884 (FTG, MBM); Reitz & Klein 2 (HBR); Reitz & Klein 178 (HBR); Reitz 3739

(HBR); Reitz 3757 (HBR); Reitz 3803 (HBR); Reitz 2965 (HBR); Schultes 4380 (ICN). *B. paraguayensis* (Barb. Rodr.) L.H. Bailey (**Bpar**), Aguiar s.n. (SP 200896); Bernardi 20497 (MO, NY); Casas & Molero FC3979 (G); Crovetto 9756 (CTES); Eiton 1560 (SP); Ekman 1761 (GH); Ferri SP49326 (SP); Fiebrig 4097 (GH); Gentry et al. 51947A (NY); Gottsberger 199, 206 (US); Hahn 843 (MO); Handro 451 (SP); Hassler 896 (NY [isolectotype; PLANT LOOKS LIKE BUTare]); Irgang et al. s.n. (ICN 26908); Itapu Binacional 530 (MO); Jorgensen 4185 (GH, MO, US); Krapovickas et al. 15476 (MO); Krapovickas et al. 24195 (CTES); Krapovickas 29845 (CTES); Krapovickas & Schinini 32581 (BH, CTES [n.v.], F); Krapovickas & Schinini 32583 (CTES); Krapovickas & Schinini 32732 (CTES); Krapovickas & Schinini 32819 (BH, CTES); Krapovickas & Schinini 32906 (F); Krapovickas & Cristobal 34391 (CTES); Kuhlmann 3924 (SP); Marmorì 530 (CTES); Marunak & Arbo 168 (CTES, F); Matzenbocher s.n. (RB 174294); Medeiros-Costa 180-0181 (IPA [0167-0168, 0178-0180, 0182]); Meyer s.n. (GH); Pedersen 3030 (C [n.v.], GH, NY); Pedersen 9655 (K, NY, US); Pedersen 11651 (CTES); Quarin 3545 (CTES, F); Schinini 5836 (G); Schinini et al. 8334 (CTES); Schinini & Ahumada 12353 (CTES); Schinini et al. 13072 (CTES); Schinini & Bordas 20293 (CTES); Schinini & Vanni 25945 (CTES [n.v.], GH); Solomon et al. 6859 (MO); Soria 003584 (MO); Vanni et al. 1728 (CTES); Waechter 2121 (ICN); Zardini & Velasquez 12525 (MO, NY). *B. purpurascens* Glassman, Noblick & Ferreira 4872 (FTG, K, NY, UFG). *B. yatay* (Mart.) Becc. (**Byat**), Bartlett 21175 (BH); Irgang & Valls s.n. (CTES, HAS, ICN 21652); Marunak 180 (F); Marunak & Arbo 251 (MO); Noblick 4885 (FTG, MBM); Pedersen 4456 (GH, NY, US); Pires 2109 (BH [fr]); Schinini 11255 (CTES [n.v.], F, MO); Schinini et al. 18831 (BH, CTES [n.v.], G); Schinini & Carnevali 24939 (BACP, C, G, F, K, LIL, MBM, MICH, MO, NA, UC). **COCOS Linnaeus:** *C. nucifera* L. (**COcn**), Coons 1397 (FTG); Hill 131 (FTG); Hull H-32 (FTG); Read 944 (FTG). **JUBAEA Humboldt, Bonpland & Kunth:** *J. chilensis* (Molina) Baillon (**JUBA**), US569716 (US); Gaudichaud G-7605 (G); Mexia 7395 (US); Moore 9366 (BH, GH, US). **JUBAEOPSIS Beccari:** *J. caffra* Becc. (**JUBO**), Codd 9331 (BH); Johnson 2366 (G). **LYTOCARYUM Toledo:** *L. hoehnei* (Burret) Toledo (**LYTh**), Gehrt s.n. (SP 43163); Gehrt s.n. (BH, SP 2518, SPF 10165); Handro & Toledo SP51606 (BH); Hoehne s.n. (SP 26520); Mattos 13844 (SP). *L. insigne* (Hort. ex Drude) Toledo (**LYTi**), Bailey & Bailey 9369 (BH); Boone 403 (MBML); Boone 577 (MBML, MO); Boone 750 (MBML); Brade 15877 (RB); Brade 19307 (RB); Fernandes 1110 (MBML); Fernandes 1665 (MBML); Fernandes 1967 (MBML); Fernandes 2546 (MBML); Fernandes 2744 (MBML); Fernandes 2762 (MBML); Garbe s.n. (SP 12254); Luederwaldt s.n. (SP); Martinelli 13172 (RB); Martinelli et al. 13207 (RB); Martinelli et al. 13381 (RB); Pereira 1329 (RB); Vimercats 295 (MBML). *L. weddellianum* (H. Wendl.) Toledo (**LYTw**), Fantz 4117 (FTG); no collector 25 Jul 1918 (SP); Darian s.n. (BH); Glaziou 16478 (NY); Hull H-50 (BH); Kollman 0040 (MBML, MO); Lima

2200 (GUA, K, MBM, RB); *Luederwaldt s.n.* (NY, SP 12258); *Luederwaldt s.n.* (SP 24153); *Luederwaldt s.n.* (SP 12272); *Luederwaldt s.n.* (SP 12256); *Schenck 2957* (RB); *Toledo s.n.* (SP 50434). **PARAJUBAEA Burret:** *P. cocoides* Burret (**PARc**), *Arguello & Carvajal 301* (NY); *Bernal 921* (AAU); *Darian s.n.* (BH); *Dodson & Dodson 11802* (MO); *Laegaard 55490* (AAU); *Moore & Dietz 9881* (BH); *Oviedo 143* (AAU). *P. torallyi* Burret (**PARt**), *Nee et al. 36245* (MO). **POLYANDROCOCOS Barbosa Rodrigues:** *P. caudescens* (Mart.) Barb. Rodr. (**POLc**), *Euponino 388* (CEPEC); *Fernandes et al. 2888* (MBML); *Harley 17914* (CEPEC, K); *Hill 2986* (FTG); *Lima & Medeiros-Costa 156-161* (CPATSA); *Lima & Medeiros-Costa s.n.* (CPATSA); *Mori et al. 9369* (CEPEC, NY); *Mori & Kallunki 9914* (CEPEC, NY); *Noblick & Britto 2332* (HUEFS); *Noblick & Soeiro 4689* (BAH, CEPEC, F, K, MO, US); *Noblick & Soeiro 4706* (CEPEC, F, GH, HRB); *Noblick & Soeiro 4709* (HRB, F); *Noblick 4711* (ALCB, CEPEC, F, NY); *Noblick & Hage 4725* (BH, CEPEC, F, K); *Noblick 4740* (CEPEC, F, FTG, K); *Noblick 4763* (AAU, CEPEC, F, K); *Noblick 4773* (CEPEC, F, RB); *Noblick & Brito 4783* (CEN, CEPEC, F, K); *Noblick & Brito 4793* (CEPEC, F, K, SP); *Silva 1975* (CEPEC). **SYAGRUS Martius:** *S. botryophora* (Mart.) Mart. (**Sbot**), *Fernandes 2191* (MBML, RB); *Mori 9388* (CEPEC); *Mori & Kallunki 9897* (CEPEC, NY); *Mori 10710* (CEPEC); *Noblick & Britto 2512* (HUEFS); *Noblick & Lemos 3812* (F, HUEFS); *Noblick & Soeiro 4690* (BAH, BH, CEPEC, F, K, NY); *Noblick & Soeiro 4700* (CEPEC, F, FTG, HRB, IPA); *Noblick & Soeiro 4708* (CEPEC, F, HRB, MBM); *Noblick 4720* (AAU, ALCB, CEPEC, F); *Noblick 4737* (CEPEC, F, FTG, K); *Noblick 4739* (CEPEC, F, K, NY, RB, US); *Noblick 4762* (CEPEC, F, K, SP); *Noblick & Brito 4782* (CEPEC, F, K, MO); *Noblick & Brito 4796* (CEN, CEPEC, F, K); *Silva 2359* (CEPEC). *S. cearensis* Noblick (**Scae**), *Noblick et al. 4951* (EAC, FTG, RB); *Noblick et al. 4953* (EAC, FTG, TEPB). *S. campylospatha* (Barb. Rodr.) Becc. (**Scpy**), *Hassler 1733* (G [holotype]), K, NY); *Pedersen 14638* (G). *S. cardenasii* Glassman (**Scar**), *Cardenas 5500* (BH [holotype]); *Moreno 1* (NY); *Nee & Vargas 38458* (F, NY); *Nee et al. 38573* (NY). *S. cocoides* Mart. (**Scoc**), [no collector listed] (F); *Andrade-Lima 73-7371* (IPA); *Balee & Ribeiro 1920* (MO, NY); *Balick et al. 1345* (NY); *Bockermann 240* (SP); *Campbell et al. P22409* (NY); *Cid et al. 522* (NY, RB); *Eiten & Eiten 5449* (SP); *Forest Dep. of Br. Guiana G560-7575* (BH); *Froes 11622* (GH, MO, NY); *Henderson et al. 337* (NY); *Henderson & Pardini 1503* (NY); *Krukoff 1221* (F); *McKenzie C22* (K); *Oliveira 3590* (NY); *Oliveira 3885* (NY); *Oliveira 4463* (NY); *Plowman et al. 8267* (NY); *Taylor et al. E1049* (NY). *S. comosa* (Mart.) Mart. (**Scom**), *Ana Lima 428-68* (IPA); *Anderson et al. 9712* (F, NY, MO); *Andrade-Lima 73-7367* (IPA); *Balick et al. 912* (NY); *Bockermann 243* (SP); *Eiton & Eiton 5456* (BH); *Ferreira et al. 6065* (NY); *Gardner 3495* (K [isotype for *S. acaulis* (Drude) Beccari]); *Heringer et al. 3786* (MO, US); *Heringer 11447* (NY, UB); *Irwin & Soderstrom 6525* (NY); *Irwin et al. 13655* (NY); *Irwin et al. 15965* (F, NY, MO, US); *Irwin et al. 26619* (NY); *Martinelli 359* (RB); *Martinelli 386* (RB); *Martius s.n.* (NY)

[F-neg. 18562]); *Mori* 16771 (CEPEC, NY); *Noblick & Lima* 4658 (BAH, CEPEC, CPATSA, F, FTG, NY); *Noblick* 4859 (FTG, NY, UFG); *Noblick & Ferreira* 4870 (F, FTG, K, UFG); *Pires* 16082 (NY); *Prance et al.* 1303 (NY); *Prance et al.* 19288 (INPA [n.v.], NY, U [n.v.], US); *Ratter et al.* 842 (K); *Sick* B165 (RB); *Silva et al.* 64 (NY); *Weddell s.n.* (BH). *S. coronata* (Mart.) Becc. (**Scor**), [no collector] (B [fr]); *Araujo* (RB); *Carvalho* 2000 (CEPEC, F); *Duarte s.n.* (RB); *Gentry & Zardini* 49964 (CEPEC, MO, NY); *Glassman & Medeiros-Costa* 8723 (F); *Glaziou* 8058 (RB); *Harley* 19411 (CEPEC, K); *Lima* 1 (BAH, CEPEC, CPATSA); *Lima & Noblick s.n.* (CPATSA); *Lyra Lemos & Pinheiro* 1048 (MAC); *Lyra Lemos & Pinheiro* 1102 (MAC); *Lyra Lemos & Esteves* 1812 (MAC); *Lyra & Staviski* 463 (MAC); *Lyra & Staviski* 659 (MAC); *Martius s.n.* (F-neg. 18563 & neg. 18563a); *Medeiros-Costa* 2 (IPA); *Mori* 10000 (CEPEC, NY); *Mori* 12305 (BH, CEPEC, US); *Noblick* 2071 (HUEFS); *Noblick & Lobo* 4513 (F, HUEFS, MO, US); *Noblick & Soeiro* 4688 (BAH, BH, CEPEC, F); *Noblick & Soeiro* 4694 (CEPEC, F, FTG, HRB, NY); *Noblick & Soeiro* 4704 (CEPEC, F, FTG, HRB); *Noblick & Queiroz* 4833 (FTG, HUEFS); *Queiroz* 1633 (HUEFS); *Werdermann* 2922 (B); *Werdermann* 2988 (B [leaf frag. only]). *S. duartei* *Glassman* (**Sdua**), *Andrade et al. s.n.* (BHCB 8883, 8885); *Duarte* 2018 (RB); *Freitas & Pedersoli s.n.* (BHCB 1280, 13298); *Glassman & Gomes* 8033 (F); *Glassman* 8035 (FTG); *Hatschbach & Ferreira* 35324 (MBM, F); *Horst* 74 (MBML); *Noblick* 4854 (BHCB, FTG, MO, NY). *S. flexuosa* (Mart.) Becc.. *S. procumbens*, formerly *S. "emasensis"* (**Sema** sp. nov.) *Noblick & Ferreira* 4868 (FTG, UFG) (**Sfle**), *Abrahamo s.n.* (MBML); *Anderson et al.* 7175 (NY); *Anderson et al.* 7939 (NY); *Anderson et al.* 8178 (BH, FTG, MO, NY); *Barreto* 4824 (BHMB); *Belem* 466-467 (CEPEC, UB); *Belem* 493 (CEPEC, UB); *Custodio Filho* 493 (SP); *Cytryn* 3 (RB); *Dambros* 239 (HRB); *Duarte* 9341 (RB); *Edwall s.n.* (SP); *Eiton* 1478 (SP [same data as SP127472]); *Ferri* SP49327 (SP); *Filho* 146 (HRB); *Gentry* 21431 (MO); *Glassman & Gomes* 8002 (SP); *Glassman* 8750 (FTG); *Glassman* 13037-040 (CEPEC, F, SP); *Glassman* 13085 (SP); *Glaziou* 15559 (MO); *Glaziou* 19999 (NY, US); *Glaziou* 20026 (NY); *Glaziou* 22261 (G, MO, US); *Glaziou s.n.* (GH, P [n.v.]); *Harley* 18657 (CEPEC, K); *Harley* 21351 (CEPEC, K); *Hatschbach* 36872 (F, MBM); *Hatschbach* 37477 (F, MBM); *Heringer* 2580 (SP); *Heringer* 10408 (NY, UB); *Heringer* 10475 (NY); *Heringer et al.* 1780 (MO); *Heringer* 18329 (MO, US); *Hoehne & Gehrt s.n.* (SP 37053); *Horst* 68 (MBML); *Irwin & Soderstrom* 5296 (NY); *Irwin & Soderstrom* 6313 (NY); *Irwin et al.* 11578 (NY); *Irwin et al.* 12766 (F, MO, NY, US); *Irwin et al.* 15458 (NY); *Irwin et al.* 26637 (NY); *Irwin et al.* 27003 (NY); *Irwin et al.* 32833 (NY); *Kirizawa et al.* 263 (SP); *Kirizawa s.n.* (SP 204268); *Lima & Noblick* 99-107 (CPATSA); *Macedo* 496 (SP); *Macedo* 3324 (SP); *Mattos* 12291 (SP); *Medeiros-Costa* 145 (IPA); *Mori & Benton* 13124 (CEPEC, NY); *Mori* 13328 (CEPEC, F, NY); *Noblick* 2821 (HUEFS); *Noblick & Clodoaldo* 3787 (F, HUEFS); *Noblick* 4386 (F, HUEFS); *Noblick & Lobo* 4516 (F, HUEFS); *Noblick et al.* 4592

(CEPEC, F, K); *Noblick & Lima* 4619 (BAH, CPATSA, F); *Noblick & Lima* 4626 (CEPEC, CPATSA, F); *Noblick & Lima* 4630 (CPATSA, F); *Noblick & Lima* 4632 (BAH, CEPEC, CPATSA, F, FTG, NY, RB); *Noblick & Lima* 4633 (CEPEC, CPATSA, F, FTG); *Noblick & Lima* 4653 (CPATSA, F, MO); *Noblick & Lima* 4661 (CEPEC, CPATSA, F, FTG, NY); *Noblick* 4850 (BHCB, FTG, K); *Noblick* 4852 (BHCB, F, FTG, K, NY, US); *Noblick* 4858 (FTG, UFG); *Noblick & Ferreira* 4869 (FTG, UFG); *Normanha & Zagatto s.n.* (SP 44403); *Paula* 70 (SP); *Philcox* 4519 (NY, UB); *Pires* 58041 (NY, UB); *Shamel et al.* 345b (US); *Tales* 207 (BHCB); *Teixeira s.n.* (SP); *Viera & Malaspina* 178 (HUFU); *Viera* 262 (HUFU). *S. glaucescens* Glaziou ex Becc. (**Sgla**), *Archer* 4078 (BH, RB, US); *Cytryn* 9 (RB); *Glassman & Gomes* 8112 (SP); *Glassman* 13002 (F, FTG); *Glaziou* 20024 (K [isotype]); *Horst* 61 (MBML); *Irwin et al.* 27605 (NY); *Kuhlmann* 6313 (RB); *Martinelli* 5918 (RB); *Noblick* 4843 (BHCB, F, FTG, K, NY, US); *Noblick* 4845 (BHCB, FTG); *Zappi et al.* CFCR 9371 (SPF 42629). *S. graminifolia* (Drude) Becc. (**Sgra**), *Belem* 2029 (UB); *Davis & Shepherd* 60024 (NY); *Glassman* 13093 (F); *Glaziou* 22252 (G); *Schinini & Bordas* 20288 (MO); *Schinini & Bordas* 20291 (CTES); *Swallen* 9520 (US). *S. harleyi* *Glassman* (**Shar**), *Abrahaio* 3 (MBML); *Calderon* 2418 (CEPEC, F, US); *Duarte* 9341 (RB); *Harley* 18696 (CEPEC, K); *Hatschbach & Kummrow* 48000 (MBM); *Lima & Noblick* 108-117 (CPATSA); *Martinelli* 5319 (RB); *Mori* 12638 (BH, CEPEC, NY, US); *Noblick* 2867 (CEPEC, F, HUEFS, MO); *Noblick & Lima* 4379 (F, HUEFS); *Noblick & Lima* 4380 (CEPEC, F, GH, HUEFS, MBM, SP); *Noblick* 4387 (BH, CEPEC, F, HUEFS, NY); *Noblick* 4388 (F, HUEFS); *Noblick* 4389 (CEN, CEPEC, F, FTG, HRB, HUEFS, IPA, K, NY, RB, SP, US); *Noblick & Lobo* 4517 (AAU, ALCB, CEN, CEPEC, F, FTG, HRB, HUEFS, K, U). *S. inajai* (Spruce) Becc. (**Sina**), *Anderson* 134 (BH); *Balick et al.* 909 (F, NY); *Beck & Souza* 165 (NY); *Cid et al.* 1555 (NY); *Gentry & Revilla* 69193 (MO [n.v.], NY); *Granville* 7086 (F, US); *Henderson & Nascimento* 644 (NY); *Henderon et al.* 1046 (NY); *Henderson & Scariot* 1157 (NY); *Kuhlmann* 2099 (RB); *Moore et al.* 9528 (NY); *Mori* 17466 (NY); *Mori* 17709 (NY); *Noblick* 4970 (FTG); *Noblick* 5014 (FTG); *Pires* 4425 (US); *Strudwick et al.* 4673 (US). *S. lilliputiana* (Barb. Rodr.) Becc. (**Slil**), *Hassler* 9519 (G). *S. loefgrenii* *Glassman* (**Sloe**), *Glassman & Gomes* 8011-015 (F [8012, 8015], FTG [8011, 8013]); *Goodland* 380 (383?) (NY); *Goodland* 725 (NY); *Goodland* 900 (NY); *Gottsberger* 1060 (US); *Kuhlmann* 1572 (F, SP); *Kuhlmann* 3964 (FTG, SP); *Kuhlmann* 4541 (SP [one Sfle infl. mixed on sheet]); *Medeiros-Costa* 153-0161 (IPA [0153-0157, 0161]); *Medeiros-Costa* 183-0189 (IPA [all numbers at IPA]); *Noblick & Buzeiro* 4888 (BHCB, FTG, K, MO, US); *Paula* 117 (SP); *Ratter et al.* 4957 (K, UEC); *Toledo & Gehrt* 43184 (US [isoparatype of *S. rachidii* *Glassman*]); *Viera* 201 (HUFU). *S. macrocarpa* Barb. Rodr. (**Smac**), *Abrahaio s.n.* (MBML); *Bondar s.n.* (BH); *Campos Porto* RB79194 (RB); *Fernandes* 2008 (MBML); *Fernandes* 2885 (MBML); *Fernandes* 2894 (MBML); *Glaziou s.n.* (NY); *Glaziou* 9015 (K [isotype for *Cocos procopiana*]);

Noblick & Abrahao 4841 (BHCB, FTG, NY); *Noblick & Abrahao* 4842 (BHCB, FTG); *Noblick* 4857 (CESJ, F, FTG, IPA, NY, US). *S. mendanhensis* Glassman (**Smen**), *Archer* 4086 (BH [holotype], US); *Glassman* 13003 (FTG); *Noblick* 4844 (BHCB, F, FTG, MO, NY, K, US); *Noblick* 4846 (BHCB, FTG, NY, US); *Noblick* 4847 (BHCB, FTG). *S. microphylla* Burret (**Smic**), *Costa & Barros s.n.* (HRB); *Duarte* 9603 (RB); *Glassman* 13018-031 (F, SP); *Harley* 19340 (CEPEC, K, NY); *Harley* 22816 (CEPEC, K, NY); *Lima & Noblick* 128-139 (CPATSA); *Noblick & Clodoaldo* 3508 (F, FTG, GH, HUEFS, MO, RB, SP); *Noblick* 4534 (ALCB, CEPEC, F, FTG, HUEFS, RB); *Noblick & Lima* 4611 (AAU, CEPEC, CPATSA, F); *Noblick & Lima* 4612 (BAH, BH, CEPEC, CPATSA, F, FTG, K, NY, US); *Noblick* 4835 (FTG, MO); *Queiroz* 1240 (HUEFS); *Ribeiro* 37 (CEPEC, K). *S. oleracea* (Mart.) Becc. (**Sole**), *Andrade-Lima* 66-4723 (IPA); *Glassman & Gomes* 8001 (SP); *Glassman & Gomes* 8003 (SP); *Glassman & Gomes* 8006 (SP); *Glassman & Gomes* 8009 (SP); *Glaziou* 9010 (NY); *Glaziou* 17338 (NY); *Kuhlmann* 838 (SP); *Kuhlmann & Kuhn* 1157 (SP); *Mattos & Bicalho* 10735 (SP); *Medeiros-Costa* 3 (IPA); *Medeiros-Costa* 9 (IPA); *Medeiros-Costa* 133 (IPA); *Medeiros-Costa* 134 (IPA); *Noblick & Lobo* 4525 (CEN, CEPEC, F, FTG, HUEFS, NY, RB, SP); *Noblick & Lima* 4615 (BAH, CEPEC, CPATSA, F, FTG); *Noblick & Lima* 4627 (BAH, CEPEC, CPATSA, F, K, UC); *Noblick & Lima* 4656 (AAU, CEPEC, CPATSA, F, US); *Noblick & Lima* 4657 (BH, CEPEC, CPATSA, F, K, MO); *Noblick & Klein* 4891 (FTG, UFG); *Pickel* 973 (IPA); *Pickel* 1208 (IPA). *S. orinocensis* (Spruce) Burret (**Sori**), *Balick et al.* 1192 (NY); *Betancur* 1315 (NY); *Blydenstein* 1688 (MO); *Bomm & Wentzel* 6616 (NY); *Davidse & Huber* 15286 (BH); *Mejia et al.* 1258 (NY); *Noblick et al.* 4946 (FTG); *Noblick et al.* 4948 (FTG, PORT); *Smith & Idrobo* 1460 (MO, NY, US); *Wurdack & Monachino* 40852 (NY). *S. petraea* (Mart.) Becc. (**Spet**), *Anderson* 10247 (BH, F, K, NY); *Bockermann* 236 (SP); *Ferreira et al.* 6530 (NY, SPF); *Glassman* 13043-046 (F, SP); *Glassman* 13084 (SP); *Krapovickas et al.* 40094 (CTES); *Macedo s.n.* (SP 68528); *Noblick & Lobo* 4521 (F, HUEFS); *Noblick & Lobo* 4527 (CEPEC, F, FTG, HRB, HUEFS, K, NY, RB, SP); *Noblick & Lima* 4610 (BAH, CEPEC, CPATSA, F, K); *Noblick & Lima* 4616 (CPATSA, F); *Noblick & Lima* 4617 (BAH, CEN, CEPEC, CPATSA, F, K, MICH, MO); *Noblick & Lima* 4624 (CEPEC, CPATSA, F, UC, US); *Noblick & Lima* 4634 (AAU, BAH, BH, CEPEC, CPATSA, F, FTG, K); *Noblick & Lima* 4635 (CEPEC, CPATSA, F, FTG); *Noblick & Lima* 4636 (CEPEC, CPATSA, F, GH); *Noblick & Lima* 4637 (CEPEC, CPATSA, F); *Noblick & Lima* 4638 (CEPEC, CPATSA, F); *Noblick & Lima* 4639 (F); *Noblick & Lima* 4643 (CEN, CEPEC, CPATSA, F, NY); *Noblick & Lima* 4652 (CAS, CEPEC, CPATSA, F); *Noblick & Lima* 4655 (F); *Noblick & Lima* 4659 (CPATSA, F, FTG); *Noblick & Lima* 4660 (CPATSA, F, FTG); *Noblick & Lima* 4662 (CEPEC, CPATSA, F, FTG); *Noblick & Lima* 4665 (BAH, CEPEC, CPATSA, F); *Noblick & Lima* 4669 (ALCB, CEPEC, CPATSA, F, K, U); *Noblick & Lima* 4670 (CPATSA, F, IPA); *Noblick* 4861 (FTG); *Noblick & Ferreira* 4866 (UFG);

Rizzo & Barbosa 1959 (UFG); Rizzo & Barbosa 3081 (UFG); Rizzo 4200 (UFG); Rizzo & Barbosa 5253 (UFG); Rizzo & Barbosa 5491 (UFG); Rizzo & Barbosa 5611 (UFG). *S. picrophylla* Barb. Rodr. (**Spic**), Fernandes 2088 (IPA); Fernandes 2175 (IPA); Fernandes & Noblick 3081 (FTG, K, MBML, NY); Noblick 4765 (CEPEC, F, K). *S. pleioclada* Burret (**Sple**), Barreto & Brade 1206 (BHMB [fl], RB [fr]); Duarte 2019 (RB); Glassman & Gomes 8037-042 (F, FTG [8037], SP [8041, 8042]); Hatschbach 35313 (F, MBM); Heringer & Castellanos SP80005 (SP); Horst 65 (MBML); Mantovani s.n. (SP 162522); Martinelli & Smith 6333 (MO); Noblick 4853 (BHCB, FTG, MO, NY); Smith 6699 (US). *S. pseudococos* (Raddi) Glassman (**Spse**), Fernandes 2679 (MBML); Fernandes & Noblick 3080 (F, FTG, K, MBML, NY); Furtado 311143 (GH); Glaziou 9009 (K). *S. romanzoffiana* (Cham.) Glassman (**Srom**), Glassman & Gomes 8000 (SP); Glassman & Gomes 8008 (SP); Glassman & Gomes 8010 (SP); Hatschbach 42738 (US); Luederwaldt s.n. (SP 24152); Mori 11324 (BH, CEPEC); Noblick 4807 (FTG); Noblick 4812 (BH, FTG); Noblick 4813 (BH, F, FTG); Noblick 4818 (BH, FTG, NY); Noblick 4819 (BH, F, FTG, NY); Noblick 4820 (BH, FTG, US); Noblick 4821 (AAU, BH, FTG, MO); Noblick 4823 (BH, FTG); Noblick 4828 (FTG); Noblick 4892 (FTG); Noblick 4898 (FTG). *S. ruschiana* (Bondar) Glassman (**Srus**), Belem 3789 (NY); Bondar 2 (F); Duarte & Gomes 4049 (RB, US); Fernandes et al. 2827 (MBML); Glassman & Medeiros-Costa 8743 (F, GH); Kuhlmann 366 (RB); Noblick & Fernandes 4838 (K, MBML, NY). *S. sancona* Karsten (**Ssan**), Balick et al. 1429 (F, NY); Barfod & Skov 60080 (AAU); Bernal & Galeano 1359 (AAU); Liesner & Gonzalez 10680 (F, MO); Moraes 843 (AAU, LPB, US); Moreno 31 (NY); Nee 31904 (MO); Noblick 4805 (BH, FTG, MO); Noblick 4814 (BH, FTG, NY); Noblick & Hubbuch 4816 (BH, FTG); Philipso 1656 (F); Steyermark 88913 (F); Steyermark & Rabe 96519 (GH); Wessels Boer 1762 (F); Wessels Boer 1766 (F). *S. schizophylla* (Mart.) Glassman (**Ssch**), Britton 1336 (NY); Carvalho 320 (CEPEC); Duarte 5977 (RB); Fernandes 2089 (CEPEC, MBML); Glassman & Medeiros-Costa 8721-722 (F); Glassman & Medeiros-Costa 8741 (CEPEC, F); Hage 1946 (CEPEC); Lewis & Carvalho 820 (CEPEC, K); Lyra Lemos 557 (MAC); Lyra Lemos 976 (MAC); Lyra Lemos & Pinheiro 999 (MAC); Lyra Lemos 1199 (MAC); Lyra Lemos 1233 (MAC); Mello Filho 2970 (CEPEC); Mori 9624 (CEPEC, NY); Mori et al. 13085 (CEPEC, NY); Noblick & Nishida 4378 (F, HUEFS); Noblick et al. 4514 (BH, CEN, CEPEC, F, HUEFS, K, MBM, MO, NY, RB, SP, US); Noblick & Soeiro 4698 (CEPEC, F, FTG, GH, HRB); Noblick & Soeiro 4703 (AAU, CEPEC, F, HRB); Noblick 4826 (FTG); Silva et al. 2510 (CEPEC, MBM); Voeks 42 (CEPEC). *S. smithii* (H.E. Moore) Glassman (**Ssmi**), Balslev et al. 62414 (AAU); Galeano & Mirana 1669 (NY); Haushikat 1039 (MO); Henderson et al. 1117 (NY); Lleras et al. P16953 (NY); Vasquez & Jaramillo 10366 (MO). *S. stenopetala* Burret (**Sste**), Liesner & Gonzalez 11928 (NY); Noblick & Smith 4936 (FTG, PORTO); Pittier 9154 (NY, US); Steyermark et al. 102432 (MO); Steyermark & Manara 110614 (BH). *S. stratincola* W.

Boer (**Sstr**), *Granville* 4394 (K); *Moore et al.* 10329 (F); *Wessels Boer* 1303 (NY isotype)]. *S. vagans* (Bondar) A. Hawkes (**Svag**), *Carvalho* 2409 (CEPEC); *Glassman & Medeiros-Costa* 8725-726 (F); *Lima & Noblick* 140-147 (CPATSA); *Lyra Lemos & Esteves* 1822 (MAC); *Mori* 10066 (CEPEC, NY); *Noblick* 3161 (HUEFS); *Noblick et al.* 3253 (HUEFS); *Noblick & Clodoaldo* 3537 (HUEFS); *Noblick* 3609 (HUEFS); *Noblick* 3846 (F, HUEFS); *Queiroz* 1141 (HUEFS). *S. vermicularis* *Noblick* (**Sver**), *Noblick & Feitosa* 4971 (FTG, IPA); *Noblick & Feitosa* 4974 (FTG). *S. werdermannii* *Burret* (**Swer**), *Abrahamo s.n.* (MBML); *Carvalho* 1790 (CEPEC, US); *Glassman & Medeiros-Costa* 8728-739 (F); *Noblick & Clodoaldo* 3769 (BH, F, HRB, HUEFS); *Noblick & Lobo* 4519 (BAH, CEN, CEPEC, F, FTG, HUEFS, K, MO, NY, RB). **VOANIOALA Dransfield:** *V. gerardii* *Dransfield* (**VOAg**), *Dransfield et al.* JD6389 (K [holotype], AAU, BH, MO, NY, P, TAN, US [n.v.]).