

Orchidaceae in Santa Catarina: Update, geographic distribution and conservation

Carlos Eduardo de Siqueira ^{1*}, Ana Zanin ¹ and Luiz Menini Neto ²

¹ Universidade Federal de Santa Catarina, Departamento de Botânica, Programa de Pós-graduação em Biologia de Fungos, Algas e Plantas, Campus Trindade, CEP 88040900, Florianópolis, SC, Brasil.

² Centro de Ensino Superior de Juiz de Fora, Campus Arnaldo Janssen, Rua Luz Interior, 345, Santa Luzia, CEP 36030776, Juiz de Fora, MG, Brasil.

* Corresponding author. E-mail: carlos.siqueira@posgrad.ufsc.br

ABSTRACT: This study consists of a checklist and an analysis of the spatial distribution of the species of Orchidaceae of the Brazilian state of Santa Catarina. Based on literature, the accepted names and current synonyms for the species in the state are cited. The occurrence of 121 genera and 560 accepted species was detected, 12 of them endemic. Of the three subfamilies represented in the state, Epidendroideae is the most representative, with 94 genera and 432 species, followed by Orchidoideae with 25 genera and 122 species, and Vanilloideae, with only two genera and six species. According to the criteria of the International Union for Conservation of Nature, 24 species fall within the vulnerable category, seven are endangered and four are critically endangered. The life form, plant formation and habitat of each species are also presented.

DOI: 10.15560/10.6.1452

INTRODUCTION

In Brazil, current estimations suggest the occurrence of 291 genera and 2539 species of Orchidaceae. Of these, 1632 are endemic (Barros *et al.* 2013), 72 are reported as rare by Giulietti *et al.* (2005), and 34 are listed in the “Lista Oficial das Espécies Brasileiras Ameaçadas de Extinção” (MMA 2008).

Until the publications of Pabst and Dungs (1975, 1977) taxonomic studies of the Brazilian species of Orchidaceae were relatively scarce. Subsequently, a reasonable volume of research has been undertaken in the country. However, these studies are generally concentrated in institutions where there are experts in the family, and usually discuss the flora of delimited regions of a state, such as Barros (1983), Menini Neto *et al.* (2004, 2007), and Azevedo and van den Berg (2007).

Swarts and Dixon (2009) recommend the use of Orchidaceae as a model group for optimization of the conservation of plants in general, however, the state of Santa Catarina (SC) still does not have a resident expert who is devoted to the family, and therefore this important component of the forests of the state still needs proper attention. The sampling effort in the state is considerable, but the lack of more careful attention to the family is reflected in the herbaria collections and data published in SC. According to the online data of the herbarium FLOR, from the Universidade Federal de Santa Catarina, which has among its depositories important collectors in the state, such as R. Reitz, R.M. Klein and J.A. Rohr, the family represents less than 3% of the herbarium collection, and appears in the ninth position among the families with more records.

Amongst the publications with reference to Orchidaceae in SC, we can quote initially the lists of Pabst (1951, 1952, 1953, 1954, 1956, 1957, 1959), Pabst and Dungs (1975, 1977), Rohr (1951) and further, Klein *et*

al. (1977/1978) and Klein (1979). Besides these, we can highlight the diversity of *Bulbophyllum* Thouars in southern Brazil (Mancinelli and Smidt 2012). Barros and Lourenço (2004) and Batista and Bianchetti (2005) cited two new occurrences for SC and more recently, occurrences of *Anathallis seidelii* Luer (Luer and Toscano de Brito 2011) and *Sarcoglottis catharinensis* Mancinelli and Smidt (Mancinelli and Smidt 2013) were reported. It is observed that the main publications are old and quite outdated regarding nomenclatural changes and the actual taxonomic positions of many Orchidaceae (Chase 2005), and thus, the state needs updated publications on the taxonomy of the family. Such deficiency is evident in a study that used the family for analyzing floristic similarity between grasslands and forest formations in 29 localities in southern and southeastern Brazil, plus the Distrito Federal and Bahia (Abreu *et al.* 2011); SC is the only state with no publications on the subject. Note that the “Flora Ilustrada Catarinense” does not present a volume on Orchidaceae.

This study presents an analysis of the spatial distribution of Orchidaceae in SC, as well as an updated list of species which occur in the state, including the accepted names and their synonyms. For each taxon, the life form, voucher in SC, threat category, plant formation and environment of occurrence are also mentioned.

MATERIALS AND METHODS

Study Site

The state of Santa Catarina is located in southern Brazil, between latitudes 25°57' S and 29°23' S and longitudes 48°19' W and 53°50' W. The climate is humid subtropical (humid mesothermic), with two subtypes of Köppen's classification (Cfa and Cfb) basically influenced by the local elevations (Pandolfo *et al.* 2002; WorldClim 2013). The terrain is quite diverse varying from sea level

to 1827 m above sea level, with 77% of its territory above 300 m and 52% above 600 m. In general, relief ensues, from east to west, as coastal lowlands, Serra do Mar, paleozoic plateau and basaltic plateau. Rainfall is well distributed throughout the year with a small decrease in winter (Pandolfo *et al.* 2002). The vegetation of SC can be subdivided into Tropical Ombrophilous Forests and associated ecosystems to the east, Araucaria Forests, high-elevation grasslands and cloud forests to the west and Seasonal Deciduous Forest to the southwest (Klein 1978).

Data Collection

The old literature with references to the state, as aforementioned, was digitized and an initial database was constructed. This initial database was compared with the list of Orchidaceae for Brazil (Barros *et al.* 2010). Then, nomenclatural updates were made, as well as the selection of a voucher or bibliographic reference for each species occurring in SC. The herbarium FLOR was chosen as the initial reference for the vouchers, followed by the herbaria FURB, HB, HBR and SP. For species not available in the aforementioned herbaria, information available on the network SpeciesLink from the “Centro de Referência em Informação Ambiental” (CRIA 2013) or directly on the websites of the herbaria AMES, BR, HBG, HUEFS, ICN, K, NY, P, R, RB, S, UPCB, US and W (acronyms according to Thiers 2012), were used. In the absence of any herbarium vouchers we used a bibliographic reference indicating the occurrence in SC. In the case of not being a new citation, we used only the last reference as a source to indicate the taxon for the state.

The framework of the taxa in the categories of threat was made based on the Red List from “Centro Nacional de Conservação da Flora” (CNCFlora 2013), using the criteria of the International Union for Conservation of Nature (IUCN 2012). Information about the life form, plant formation and environment were obtained from literature, data sheets and personal notes.

We used 2661 geo-referenced records, deposited in the collections of the herbaria previously cited for the construction of cartograms, using the software DIVA-GIS (available from <http://www.diva-gis.org>) and QGIS (available from <http://www.qgis.org>). For records without information about coordinates we used the coordinates of the centre of the municipality obtained by geoLoc tool (available from <http://splink.cria.org.br/geoloc>).

RESULTS

A total of 121 genera and 560 species were registered, 58 of which were not previously referred to the state by Barros *et al.* (2013) on the “Lista de Espécies da Flora do Brasil”. Thirty-eight taxa were cited for the first time in this study, these were detected only in the collections of the herbaria consulted or in the literature as synonyms (Table 1).

From the total, 12 species are endemic to SC (Table 1). Of the six life forms detected in Orchidaceae species from state of SC, 351 species are exclusively epiphytic and 131 are exclusively terricolous; two are exclusively mycoheterotrophic, vine or rupicolous. Only two species present three life forms at the same time. None are exclusively saxicolous (Figure 1). Twenty-three species are

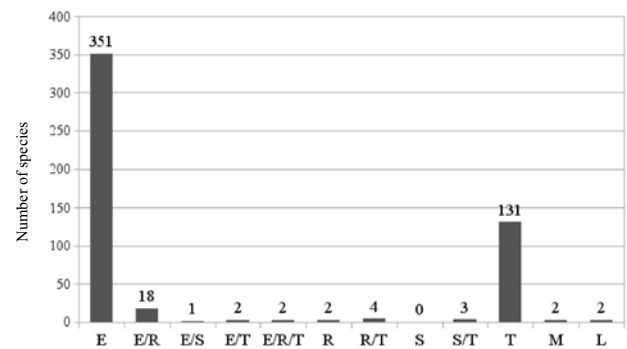


FIGURE 1. Distribution of the life forms of Orchidaceae species from the state of Santa Catarina: E = epiphytic, L = vine, M = mycoheterotrophic, R = rupicolous, S = saxicolous, T = terricolous.

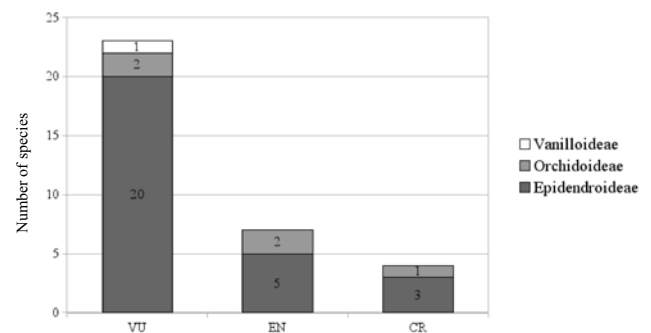


FIGURE 2. Categories of threat to Orchidaceae species in the state of Santa Catarina: CR = critically endangered, EN = endangered and VU = vulnerable.

classified as vulnerable: one Vanilloideae, two Orchidoideae and 20 Epidendroideae; seven species are classified as endangered: two Orchidoideae, five Epidendroideae, and four as critically endangered: three Epidendroideae, and one Orchidoideae (Figure 2).

The subfamily Vanilloideae is represented by two genera, *Cleisthes* Rich. ex Lindl. and *Vanilla* Miller, and by six species. Orchidoideae is represented by 25 genera and 122 species, highlighting by the number of species: *Habenaria* Willd. (41), *Cyclopogon* Presl (14), *Brachystele* Schltr. (8), and *Pelexia* Poit. (7).

As expected, Epidendroideae presents the highest richness, 94 genera and 432 species (Figure 1). The genera with more than 10 species are: *Acianthera* Scheidw. (40), *Epidendrum* L. (28), *Octomeria* R. Br. (27), *Pabstiella* Brieger & Senghas (25), *Anathallis* Barb. Rodr. (20), *Coppensia* Dumort. and *Stelis* Sw. (14 species each), *Gomesa* R. Br. (12) and *Campylocentrum* Benth. (11).

DISCUSSION

Major circumscription changes occurred in several genera of Orchidaceae due to the recent phylogenetic studies. The megagenera *Oncidium* Sw. and *Pleurothallis* R.Br., are examples of taxa subdivided into several smaller genera and thus, contrary to what has happened so far, none of the two genera as currently interpreted, have records in the state. Likewise, the name of the flower symbol of the state, *Laelia purpurata* Lindl. & Paxton (Lindley and Paxton 1853), is currently accepted as *Cattleya purpurata* (Lindl. & Paxton) Van den Berg according van den Berg (2008).

Distribution Analysis

Generally there is a strong relation between number of records observed and species richness (Figures 3–4). This congruence can be mainly related to two factors: (1) proximity to research institutions with regions with more records, and (2) the state of conservation of the remaining forests and associated ecosystems of the state.

Although the financial and structural difficulties undergone by Brazilian researchers are little commented, these are notorious. Such difficulties are particularly evident in studies on biodiversity, especially those related to descriptive taxonomy, where research is labelled as complex, expensive and time consuming (Gardner *et al.* 2008). Because of these difficulties, taxonomists, in field research, tend to move as close as possible to their institution or to places with good infrastructure. This can be observed in Orchidaceae vouchers in herbaria, and the visit repetition of the same local and municipal collections that are reflected in the maps on the overall distribution of the subfamilies of Orchidaceae (Figure 5) as well as records observed (Figure 3).

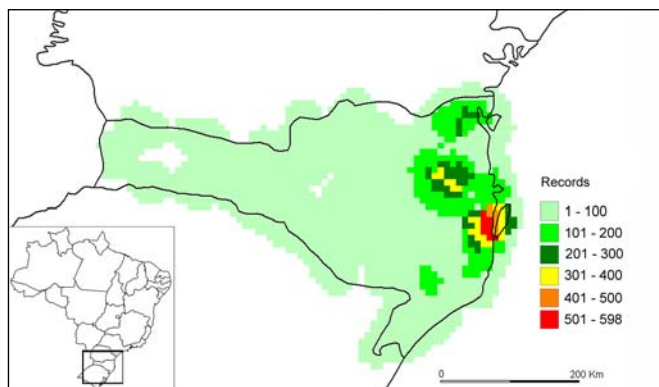


FIGURE 3. Distribution of the records of Orchidaceae in the state of Santa Catarina.

The Atlantic Forest was one of the largest forests in the tropics, originally covering 150 million hectares. Currently, with about 11% of its original area, it is represented by sparsely distributed fragments that hardly exceed 100 hectares (Ranta *et al.* 1998; Ribeiro *et al.* 2009). In SC, 80% of the remnants of this formation have no more than 50 hectares (Vibrans *et al.* 2012, 2013). Silva and Casteleti (2003) divided the Atlantic Forest into eight biogeographic subregions (BSR), later, Ribeiro *et al.* (2009), in a study

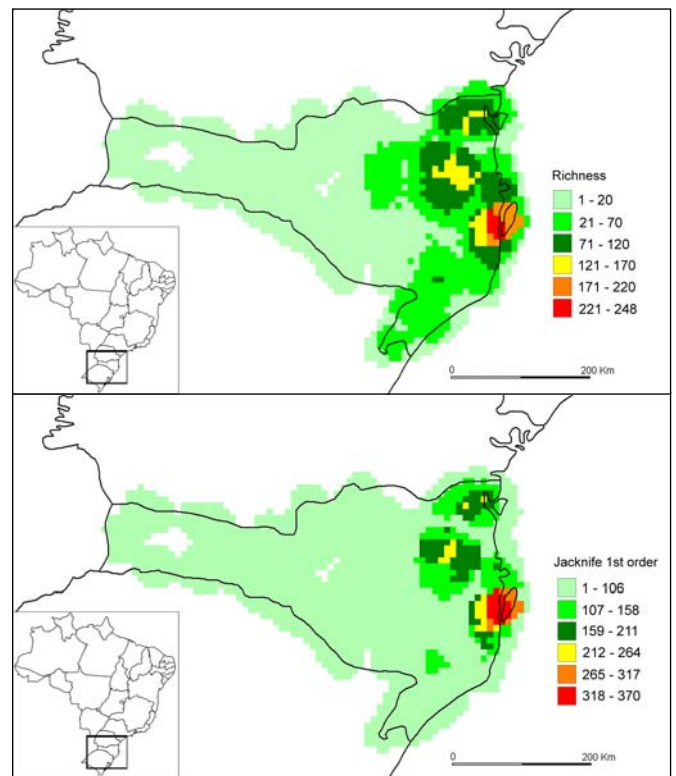


FIGURE 4. Species richness of Orchidaceae founded (upper) and estimated (lower) in the state of Santa Catarina.

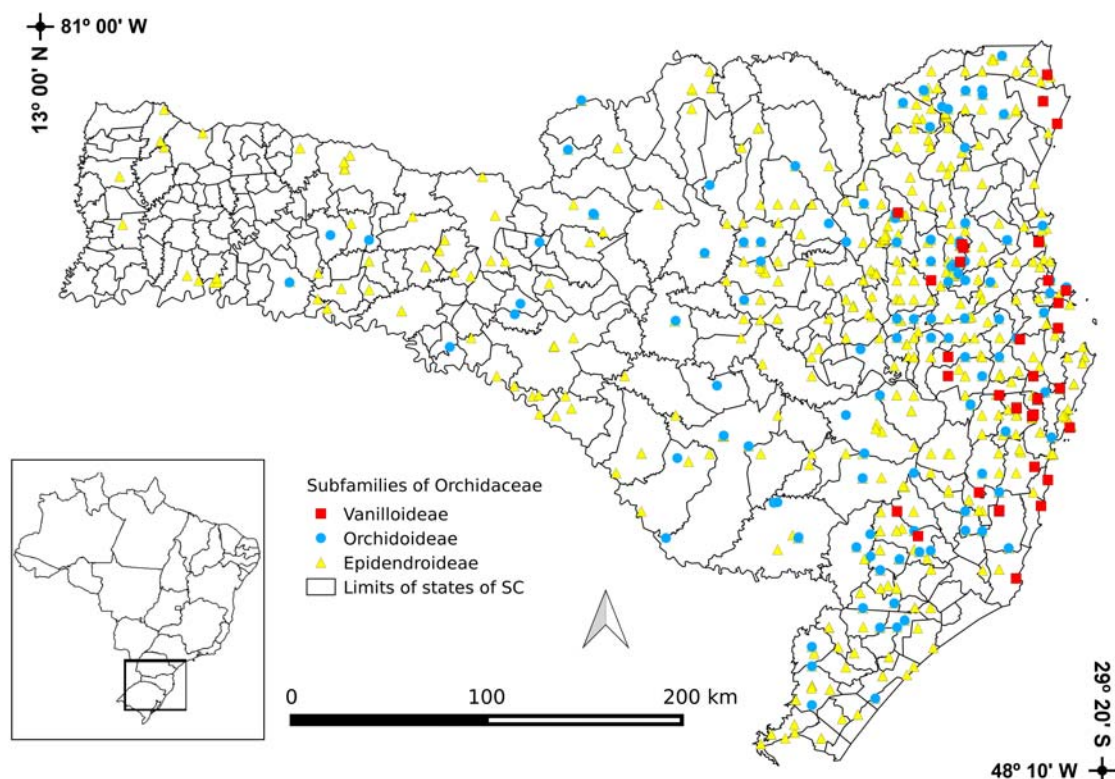


FIGURE 5. Spatial distribution of subfamilies of Orchidaceae in the state of Santa Catarina.

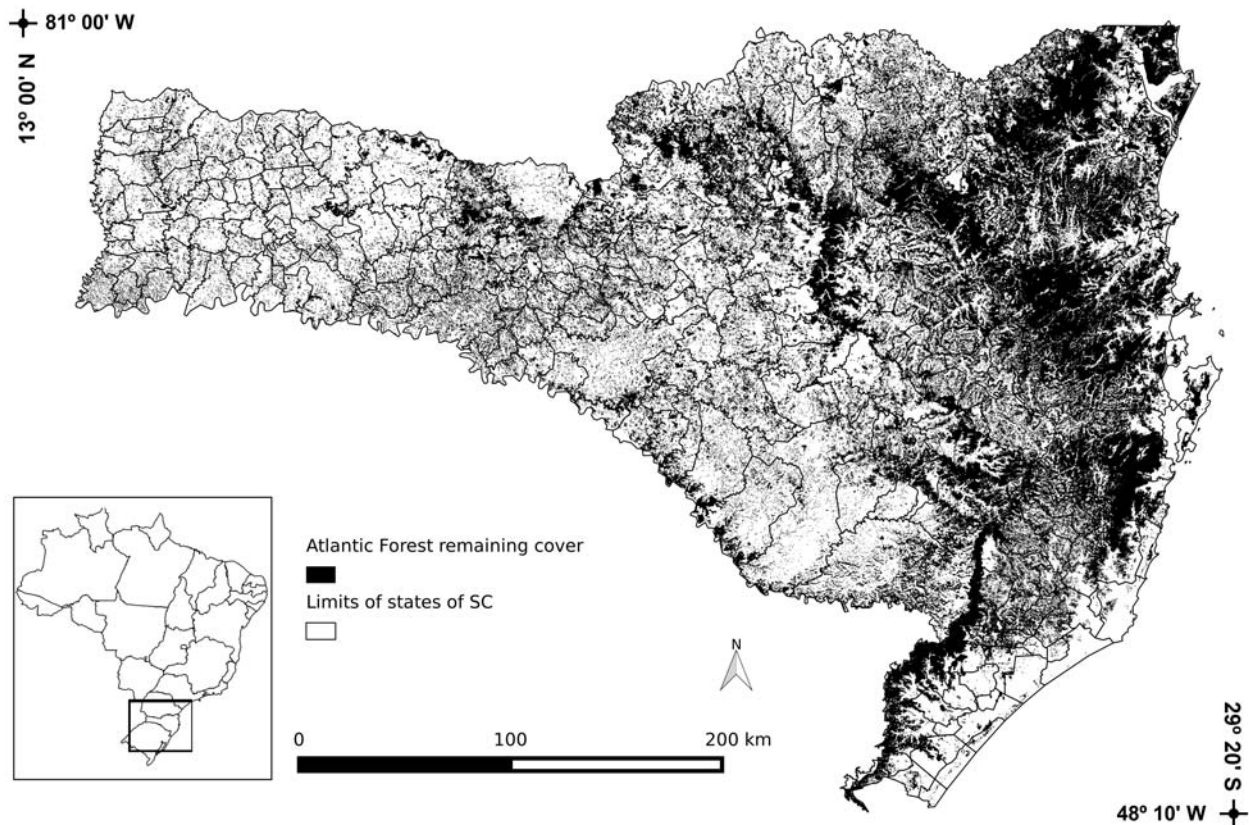


FIGURE 6. Remaining forest in “Serra do Mar” biogeographical sub-region (BSR) of the Santa Catarina Atlantic Forest region. Data source: IFFSC (2013).

that quantified and analyzed the spatial distribution of the remnants of this plant formation, pointed BSR “Serra do Mar” as the most conserved, with 36.5% of its original vegetation. In this subregion are the three largest fragments, in the most advanced stage of succession. The coastline of SC is home to the third largest of them (Figure 6; Ribeiro *et al.* 2009). Well preserved natural spaces known today as the “Parque Nacional da Serra do Itajaí” and the “Santa Catarina Island”, which is considered as the paradise of orchidologists by Hoehne (1949), lie in this region. Exactly in this region of the state are the largest number of records (Figure 3) and the highest species richness of Orchidaceae (Figure 4). The congruence between remnants preserved (Figure 6) and species richness is an indication that the sampling effort (number of records, Figure 3) is valid; however, insufficient since the estimated richness (Figure 4, lower) is greater than the richness observed (Figure 4, upper). Orchidaceae family is the biggest and more charismatic between angiosperms, nevertheless the field inventory of Orchidaceae in state of SC is incomplete and as pointed out by Prance *et al.* (2000) more detailed studies of local selected areas are needed to complete it. New species and biogeographic data managed by taxonomists can improve our knowledge allowing a rational use of ecosystems.

ACKNOWLEDGEMENTS: The authors would like to thank the Fundação de Amparo a Pesquisa e Inovação do Estado de Santa Catarina (FAPESC/18691/2009-0) and the Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES/PNADB - Rede Epífitas da Mata Atlântica) for providing financial support to the project. The first author gives thanks to CAPES for the granting of a masters scholarship.

LITERATURE CITED

Abreu, N.L. and L. Menini Neto. 2010. As subfamílias Vanilloideae e Orchidoideae (Orchidaceae) em um fragmento da Serra da Mantiqueira,

- Minas Gerais, Brasil. *Boletim de Botânica da Universidade de São Paulo* 28(1): 15–33 (doi: 10.11606/issn.2316-9052.v28i1p15-33).
- Abreu, N.L., L. Menini Neto and T.U.P. Konno. 2011. Orchidaceae das Serras Negra e do Funil, Rio Preto, Minas Gerais, e similaridade florística entre formações campestres e florestais do Brasil. *Acta Botanica Brasilica* 25(1): 58–70 (doi: 10.1590/S0102-33062011000100009).
- Azevedo, C.O. and C. van den Berg. 2007. Análise comparativa de áreas de campo rupestre da Cadeia do Espinhaço (Bahia e Minas Gerais, Brasil) baseada em espécies de Orchidaceae. *Sitientibus Série Ciências Biológicas* 7(3): 199–210 (http://www2.uefs.br/revistabiologia/SB_v07.3_c02.zip).
- Barros, F. 1983. Flora fanerogâmica da Reserva do Parque Estadual das Fontes do Ipiranga (São Paulo, Brasil). 198 — Orchidaceae. *Hoehnea* 10(1): 74–124.
- Barros, F. and R.A. Lourenço. 2004. Synopsis of the Brazilian orchid genus *Grobya*, with the description of two new species. *Botanical Journal of the Linnean Society* 145(1): 119–127 (doi: 10.1111/j.1095-8339.2003.00277.x).
- Barros, F., F. Vinhos, V.T. Rodrigues, F.F.V.A. Barberena and C.N. Fraga. 2010. Orchidaceae; pp. 1344–1426, in: R.C. Forzza *et al.* (orgs.). *Catálogo de Plantas e Fungos do Brasil, Volume 2*. Rio de Janeiro: Andrea Jakobsson Estúdio.
- Barros, F., F. Vinhos, V.T. Rodrigues, F.F.V.A. Barberena, C.N. Fraga, E.M. Pessoa, W. Foster and L. Menini Neto. 2013. *Lista de Espécies da Flora do Brasil*. Accessible at <http://floradobrasil.jbrj.gov.br/jabot/floradobrasil/FB179>. Captured on 7 September 2013.
- Batista, J.A.N. and L.d.B. Bianchetti. 2002. A review of *Habenaria* (Orchidaceae) in Pabst and Dungs’ Orchidaceae Brasiliensis. *Lindleyana* 17(2): 75–84.
- Batista, J.A.N. and L.d.B. Bianchetti. 2005. Two new taxa in *Cyrtopodium* (Orchidaceae) from southern Brazil. *Darwiniana* 43(2): 74–83.
- Batista, J.A.N., L.d.B. Bianchetti and K.F. Pellizzaro. 2005. Orchidaceae da Reserva Ecológica do Guará, DF, Brasil. *Acta Botanica Brasilica* 19(2): 221–232 (doi: 10.1590/S0102-33062005000200004).
- Batista, J.A.N., L.d.B. Bianchetti, R. González-Tamayo, X.M.C. Figueroa and P.J. Cribb. 2011a. A synopsis of New World *Habenaria* (Orchidaceae) I. *Harvard Papers in Botany* 16(1): 1–47 (doi: 10.3100/025.016.0101).
- Batista, J.A.N., L.d.B. Bianchetti, R. González-Tamayo, X.M.C. Figueroa and P.J. Cribb. 2011b. A synopsis of New World *Habenaria* (Orchidaceae) II. *Harvard Papers in Botany* 16(2): 233–273 (doi: 10.3100/0.25.016.0202).
- Campacci, M.A. 2011. *Effusiella* Luer, 19 novas combinações; pp. 338–340, in M.A. Campacci (ed.). *Coletânea de Orquídeas Brasileiras. Gêneros, Espécies e Híbridos Naturais Novos*. Volume 9. São Paulo: Editora

- Brasil Orquídeas.
- Chase, M.W. 2005. Classification of Orchidaceae in the age of DNA data. *Curtis's Botanical Magazine* 22(1): 2–7 (doi: 10.1111/j.1355-4905.2005.00466.x).
- Chiron, G.R. and R.X. Bolsanello. 2010. Notes sur un groupe brésilien de *Pabstiella* (Orchidaceae, Pleurothallidinae). *Richardiana* 10(2): 5–81.
- Chiron, G.R. and R.X. Bolsanello. 2013. *Orchidées du Brésil. As Orquídeas da Serra do Castelo (Espírito Santo – Brasil)*. Volume II. Voreppe: Tropicalia. 422 pp.
- CNCFlora 2013. *Lista Vermelha*. Accessible at <http://www.cncflora.jbrj.gov.br>. Captured on 24 October 2014.
- CRIA 2013. *Centro de Referência em Informação Ambiental*. Accessible at <http://www.cria.org.br>. Captured on 5 December 2012.
- Docha Neto, A. and D.H. Baptista. 2011. *Orchidstudium Project*. Accessible at <http://www.orchidstudium.com/photostudy.html>. Captured on 24 October 2014.
- Gardner, T.A., J. Barlow, I.S. Araújo, T.C. Avila-Pires, A.B. Bonaldo, J.E. Costa, M.C. Esposito, L.V. Ferreira, J. Hawes, M.I.M. Hernandez, M.S. Hoogmoed, R.N. Leite, N.F. Lo-Man-Hung, J.R. Malcolm, M.B. Martins, L.A.M. Mestre, R. Miranda-Santos, W.L. Overal, L. Parry, S.L. Peters, M.A. Ribeiro-Junior, M.N.F. da Silva, C.S. Motta and C.A. Peres. 2008. The cost-effectiveness of biodiversity surveys in tropical forests. *Ecology Letters* 11(2): 139–150 (doi: 10.1111/j.1461-0248.2007.01133.x).
- Giulietti, A.M., R.M. Harley, L.P. de Queiroz, M.G.L. Wanderley and C. van den Berg. 2005. Biodiversity and conservation of plants in Brazil. *Conservation Biology* 19(3): 632–639 (doi: 10.1111/j.1523-1739.2005.00704.x).
- Hoehne, F.C. 1949, reprinted 2010. *Iconografia das Orchidáceas do Brasil*. São Paulo: Secretaria da Agricultura. 640 pp.
- IFFSC 2013. *Portal do Inventário Florístico Florestal do Estado de Santa Catarina*. Accessible at <http://www.iff.sc.gov.br>. Captured on 24 October 2014.
- IUCN 2012. *The IUCN Red List of Threatened Species. Version 2012.2*. Accessible at <http://www.iucnredlist.org>. Captured on 24 October 2014.
- Klein, R.M. 1978. Mapa fitogeográfico do estado de Santa Catarina; pp. 1–23, in: R. Reitz (ed.). *Flora Ilustrada Catarinense*. Itajaí: Herbário Barbosa Rodrigues.
- Klein, R.M. 1979. Ecologia da flora e vegetação do Vale do Itajaí. *Sellowia* 31(1): 11–164.
- Klein, R.M., A. Bresolin and A. Reis. 1977/1978. Distribuição de orquídeas da Ilha de Santa Catarina e arredores. *Insula* 9(1): 4–29.
- Lemaire, A.C. 1853. Miscellaneé. Plantes recommandées. 89. *Specklinia violacea*. *Jardin Fleuriste* 3(1): 18–19.
- Lindley, J. and J. Paxton 1853. The purple-stained Laelia. *Paxton's Flower Garden* 3(1): 1–178.
- Luer, C.A. and A.L.V. Toscano de Brito. 2011. Miscellaneous new species and combinations in the Pleurothallidinae (Orchidaceae) from Brazil and Argentina. *Harvard Papers in Botany* 16(2): 361–382 (doi: 10.3100/0.25.016.0207).
- Mancinelli, W.S. and E.d.C. Smidt. 2012. O gênero *Bulbophyllum* (Orchidaceae) na Região Sul do Brasil. *Rodriguésia* 63(4): 803–815. (doi: 10.1590/S2175-78602012000400006).
- Mancinelli, W.S. and E.d.C. Smidt. 2013. *Sarcoglottis catharinensis* (Orchidaceae): A new species from Brazilian Atlantic Forest. *Kew Bulletin* 68(1): 305–308 (doi: 10.1007/s12225-013-9460-2).
- Meneguzzi, T.E.C. 2010. New combinations in Brazilian Orchidaceae. *Neodiversity* 83(1): 23–25 (doi: 10.13102/neod.51.6).
- Menini Neto, L., V.R. Almeida and R.C. Forzza. 2004. A família Orchidaceae na reserva biológica da Represa do Gramma — Descoberto, Minas Gerais, Brasil. *Rodriguésia* 55(84): 137–156 (http://rodriguesia.jbrj.gov.br/FASCICULOS/Rodrig55_84/95584.PDF).
- Menini Neto, L., R.J.V. Alves and R.C. Forzza. 2007. A subtribo Pleurothallidinae (Orchidaceae) no Parque Estadual de Ibitipoca, Minas Gerais, Brasil. *Boletim de Botânica da Universidade de São Paulo* 25(2): 253–278 (doi: 10.11606/issn.2316-9052.v25i2p253-278).
- MMA 2008. *Instrução Normativa nº 6 de 23.10.2008. Lista das espécies da flora brasileira ameaçada de extinção*. Brasil: DOU 185, seção 1, pp. 75–83.
- Pabst, G.F.J. 1951. Contribuição para o conhecimento das orquídeas de Santa Catarina e sua dispersão geográfica I. *Anais Botânicos do Herbário "Barbosa Rodrigues"* 3: 41–53.
- Pabst, G.F.J. 1952. Contribuição para o conhecimento das orquídeas de Santa Catarina e sua dispersão geográfica I (continuação). *Anais Botânicos do Herbário "Barbosa Rodrigues"* 4: 69–86.
- Pabst, G.F.J. 1953. Contribuição para o conhecimento das orquídeas de Santa Catarina e sua dispersão geográfica I (conclusão). *Anais Botânicos do Herbário "Barbosa Rodrigues"* 5: 39–93.
- Pabst, G.F.J. 1954. Contribuição para o conhecimento das orquídeas de Santa Catarina e sua dispersão geográfica II. *Sellowia* 6: 181–197.
- Pabst, G.F.J. 1956. Contribuição para o conhecimento das orquídeas de Santa Catarina e sua dispersão geográfica III. *Sellowia* 7: 175–181.
- Pabst, G.F.J. 1957. Contribuição para o conhecimento das orquídeas de Santa Catarina e sua dispersão geográfica IV. *Sellowia* 9: 249–256.
- Pabst, G.F.J. 1959. Contribuição para o conhecimento das orquídeas de Santa Catarina e sua dispersão geográfica V. *Sellowia* 10: 125–140.
- Pabst, G.F.J. 1972. Aditamenta ad orchideologiam brasiliensem XII. *Bradea* 1(20): 179–186.
- Pabst, G.F.J. and F. Dungs. 1975. *Orchidaceae Brasilienses*. Volume I. Hildesheim: Brücke-Verlag Kurt Schmiersow. 408 pp.
- Pabst, G.F.J. and F. Dungs. 1977. *Orchidaceae Brasilienses*. Volume II. Hildesheim: Brücke-Verlag Kurt Schmiersow. 418 pp.
- Pandolfo, C., H.J. Braga, V.P.d. Silva-Junior, A.M. Massignam, E.S. Pereira, V.M.R. Thomé and F.V. Valci. 2002. *Atlas climatológico Digital do Estado de Santa Catarina*. [CD-ROM].
- Prance, G.T., B. Henk, J. Dransfield and R. Johns. 2000. The tropical flora remains undercollected. *Annals of the Missouri Botanical Garden* 87(1): 67–71 (doi: 10.2307/2666209).
- Ranta, P., T. Blom, J. Niemelä, E. Joensuu and M. Siitonen. 1998. The fragmented Atlantic rain forest of Brazil: size, shape and distribution of forest fragments. *Biodiversity and Conservation* 7(3): 385–403 (doi: 10.1023/A:1008885813543).
- Reis, A., A.F. Boeira, A. Dametto, A.C. Sanches, A.C. Coutinho Souza, A.A. Neto, B.T. Neves, B.L. Longo, C.S. Barcellos, D. Perart, D.M. Freitas, D.F. Zech, E. Matos, E.G. Pansera, L. Marchioreto, M.K.S. Bileski, M.S.C. Machado, M.K. Heinz, R.K. Cury, S.C. Spuldaro, T.C. Quevedo, T.L. Zanotto and V.F. Soboleski. 2011. Orchidaceae. *Sellowia* 56-63: 158–191.
- Ribeiro, M.C., J.P. Metzger, A.C. Martensen, F.J. Ponzoni and M.M. Hirota. 2009. The Brazilian Atlantic forest: How much is left, and how is the remaining forest distributed? Implications for conservation. *Biological Conservation* 142(6): 1141–1153 (doi: 10.1016/j.biocon.2009.02.021).
- Rohr, J.A. 1951. Orchidaceae. *Relatório do Colégio Catarinense* s.v.: 5–18.
- Romero-González, G.A., J.A.N. Batista and L.D.B. Bianchetti. 2008. A synopsis of the genus *Cyrtopodium* (Catasetinae: Orchidaceae). *Harvard Papers in Botany* 13(1): 189–206 (doi: 10.3100/1043-4534(2008)13[189:ASOT GC]2.0.CO;2).
- Schinini, A., J. Waechter, P. Izaguirre and C. Lehnbach. 2008. Orchidaceae; pp. 472–609, in: F.O. Zuloaga, O. Morrone, and M.J. Belgrano (eds.). *Catálogo de las Plantas Vasculares del Cono Sur*. Missouri: Missouri Botanical Garden.
- Schlechter, F.R.R. 1919. Orchidaceae novae, in caldariis Horti Dahlemensis cultae. II. *Notizblatt des Botanischen Gartens und Museums zu Berlin-Dahlem*. *Berlin-Dahlem* 7(66): 323–344 (<http://biodiversitylibrary.org/page/28703310>).
- Schlechter, F.R.R. 1921. Die Gattung *Promenaea* Lindl. *Notizblatt des Botanischen Gartens und Museums zu Berlin-Dahlem*. *Berlin-Dahlem* 7(70): 467–482 (<http://biodiversitylibrary.org/page/28703462>).
- Silva, J.M.C.d. and C.H.M. Casteleti. 2003. Status of the biodiversity of the Atlantic forest of Brazil; pp. 43–59, in: C. Galindo-Leal and I.G. Câmara (eds.). *The Atlantic Forest of South America: Biodiversity Status, Threats, and Outlook*. Washington: CABS and Island Press.
- Swarts, N.D. and K.W. Dixon. 2009. Perspectives on orchid conservation in botanic gardens. *Trends in Plant Science* 14(11): 590–598 (doi: 10.1016/j.tplants.2009.07.008).
- Thiers, B. 2012 [continuously updated]. *Index Herbariorum: A Global Directory of Public Herbaria and Associated Staff*. Accessible at <http://sweetgum.nybg.org/ih>. Captured on 5 December 2012.
- Toscano de Brito, A.L.V. 2007. A taxonomic revision of the genus *Phymatidium* (Orchidaceae: Oncidiinae). *Kew Bulletin* 62(1): 529–560 (<http://www.jstor.org/stable/20443388>).
- van den Berg, C. 2008. New combinations in the genus *Cattleya* Lindl. (Orchidaceae). *Neodiversity* 3(1): 3–12 (doi: 10.13102/neod.31.2).
- Vibrans, A.C., R.E. McRoberts, D.V. Lingner, A.L. Nicoletti and P. Moser. 2012. Extensão original e atual da cobertura florestal de Santa Catarina; p. 65–76, in: A.C. Vibrans, L. Sevegnani, A.L. Gasper and D.V. Lingner (eds.). *Inventário Florístico Florestal de Santa Catarina. Diversidade e Conservação dos Remanescentes Florestais*. Volume I. Blumenau: Edifurb.
- Vibrans, A.C., R.E. McRoberts, P. Moser and A.L. Nicoletti. 2013. Using satellite image-based maps and ground inventory data to estimate the area of the remaining Atlantic Forest in the Brazilian state of Santa Catarina. *Remote Sensing of Environment* 130: 87–95 (doi: 10.1016/j.rse.2012.10.023).
- WorldClim 2013. *Free Climate Data for Ecological Modeling and GIS*. Accessible at <http://www.worldclim.org>. Captured on 24 October 2014.

AUTHORS' CONTRIBUTION STATEMENT: CES conducting the research, AZ supervised the research and LMN contributes to the discussion of the results and presentation of data.

RECEIVED: October 2013

ACCEPTED: November 2014

PUBLISHED ONLINE: December 2014

EDITORIAL RESPONSIBILITY: Wellington Forster

TABLE 1. Checklist of Orchidaceae with register to Santa Catarina (SC). Indications before name are: E = epiphytic, L = vine, M = micoheterotrophic, R = rupicolous, S = saxicolous, T = terricolous. CR = critically endangered, EN = endangered e VU = vulnerable. + = first citation to SC. * = not cited by Barros *et al.* (2013) to SC. # = endemic of SC. Brazilian Atlantic Forest formations: CMP = high-altitude grasslands, FED = Seasonal deciduous forest, FOD = Tropical ombrophilous forests, FOM = Araucaria forests, RST = Restinga. Accepted names are in bold and italic type; synonyms only italic.

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
Subfamily Vanilloideae						
Cleistes Rich. ex Lindl.						
T		<i>C. libonii</i> (Cogn.) Hoehne	R. Reitz 18107 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Forest border. Degraded areas. Dry soil.
T	*	<i>C. paranaensis</i> (Barb. Rodr.) Schltr.	A.C. Cervi 7030 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Interior or border of forest. Entre Rochas. Dry or moist soils.
T		<i>C. ramboi</i> Pabst	L.B. Smith <i>et al.</i> 9429 (US)	Reis <i>et al.</i> (2011)	FOD	Forest border. degraded areas. Moist or sodden soils.
Vanilla Sw.						
L		<i>V. chamissonis</i> Klotzsch	A. Bresolin 66 (FLOR)	Klein <i>et al.</i> (1978)	FOD, RST	Interior or border of forest. Dry or moist soils.
L		<i>V. edwalli</i> Hoehne	R.M. Klein 8703 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Interior or border of forest. Dry or moist soils.
T	VU	<i>V. dietschiana</i> Edwall	A. Bresolin 819 (FLOR)	Klein <i>et al.</i> (1978)	FOD	Forest interior. Dry or moist soils.
Subfamily Orchidoideae						
Orchidoideae, Chloraeae						
Chloraea Lindl.						
T	EN	<i>C. membranacea</i> Lindl.	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD	Forest border.
Geoblasta Barb. Rodr.						
T	EN	<i>G. pennicillata</i> (Rchb.f.) Hoehne ex M.N. Correa	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD	Grasslands.
Orchidoideae, Cranichideae, Cranichidinae						
Cranichis Sw.						
T		<i>C. candida</i> (Barb. Rodr.) Cogn.	R. Reitz 10948 (FLOR)	Abreu and Menini Neto (2010)		Forest interior. Riparian forest. Moist soil.
Prescottia Lindl.						
T		<i>P. oligantha</i> (Sw.) Lindl.	A. Bresolin 618 (FLOR)	Klein <i>et al.</i> (1978)	FOD, CMP, RST	Open or degraded areas. Riparian forest. Moist or sodden soils.
E/T		<i>P. lancifolia</i> Lindl.	R.M. Klein 9722 (FLOR)	Klein (1979)	FOD, CMP	Forest interior. Moist soil.
S/T		<i>P. montana</i> Barb. Rodr.	O.S. Ribas 3507 (RB)	Abreu and Menini Neto (2010)	CMP	Grasslands. Among rocks. Moist soil.
R/T		<i>P. plantaginifolia</i> Lindl. ex Hook.	M.L. Souza 1020 (FLOR)	Barros <i>et al.</i> (2013)	FED, FOD, CMP, RST	Grasslands. Among rocks. Moist soil.
T		<i>P. stachyodes</i> (Sw.) Lindl.	A. Bresolin 837 (FLOR)	Klein (1979)	FOD	Forest interior. Moist soil.
Baskervilla Lindl.						
T		<i>B. paranaensis</i> (Kraenzl.) Schltr.	J.Z. Matos 38627 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior. Riparian forest. Moist soil.
Orchidoideae, Cranichideae, Goodyerinae						
Aspidogyne Garay						
T		<i>A. argentea</i> (Vell.) Garay	R.M. Klein and L.B. Smith 7987 (US)	Reis <i>et al.</i> (2011)	FOD	Forest interior. Moist soil.
<i>Erythrodes picta</i> (Lindl.) Ames						
<i>Physurus pictus</i> Lindl.						
T		<i>A. bidentifera</i> (Schltr.) Garay	R. Reitz and R.M. Klein 8674 (US)	Reis <i>et al.</i> (2011)	FOD, FOM	Forest interior.
<i>Erythrodes bidentifera</i> (Schltr.) Garay						
T		<i>A. bruxelii</i> (Pabst) Garay	L.B. Smith and R.M. Klein 13938 (NY)	Reis <i>et al.</i> (2011)	FOM	Forest interior.
<i>Erythrodes bruxelii</i> Pabst						
T		<i>A. decora</i> (Rchb.f.) Garay & G.Romero	R. Reitz 8647 (FLOR)	Schinini <i>et al.</i> (2008)	FOD, FOM	Forest interior.
<i>A. bicolor</i> (Barb. Rodr.) Garay						
<i>Erythrodes bicolor</i> (Barb. Rodr.) Ames						
T		<i>A. fimbrilaris</i> (B.S.Williams) Garay	R.M. Klein 7032 (FLOR)	Schinini <i>et al.</i> (2008)	FOD	Forest interior. Moist soil.
<i>Erythrodes nobilis</i> (Rchb.f.) Pabst						
<i>Physurus nobilis</i> Rchb.f.						
T		<i>A. kuczynskii</i> (Porsch) Garay	R.M. Klein 7133 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
<i>Erythrodes kuczynskii</i> (Porsch) Garay						
T		<i>A. lindleyana</i> (Cogn.) Garay	S. Dreveck 1803 (FURB)	Schinini <i>et al.</i> (2008)	FOD	Forest interior.
<i>Erythrodes lindleyana</i> (Cogn.) Ames						
T	+	<i>A. commelinoides</i> (Barb. Rodr.) Garay	M. Verdi 3497 (FURB)		FOD	Forest interior. Moist soil.

TABLE 1. *Continued.*

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
		<i>Ligeophila</i> Garay				
T	+	<i>L. rosea</i> (Lindl.) Garay	R.M. Klein 8253 (FLOR)		FOD	Forest interior.
		<i>Erythroides rosea</i> (Lindl.) Ames		Klein <i>et al.</i> (1978)		
T	+	<i>L. juruenensis</i> (Hoehne) Garay	R.M. Klein 489 (FLOR)		FOD	Forest interior.
		<i>Microchilus</i> C. Presl				
T		<i>M. arietinus</i> (Rchb.f. & Warm.) Ormerod	R. Reitz 9188 (FLOR)	Meneguzzo (2010)	FOD, RST	Forest interior.
		<i>Physurus arietinus</i> Rchb.f. & Warm.		Klein (1979)		
		<i>Erythroides arietina</i> (Rchb.f. & Warm.) Ames		Pabst and Dungs (1975)		
T		<i>M. austrobrasiliensis</i> (Porsch) Ormerod	A. Korte 1670 (FURB)	Schinini <i>et al.</i> (2008)	FOD	Forest interior.
		<i>Erythroides austrobrasiliensis</i> Porsch		Klein (1979)		
T	+	<i>M. lamprophyllus</i> (Linden & Rchb.f.) Ormerod	J.Z. Matos (FLOR44228)		FOD	Forest interior.
		<i>Platythelys</i> Garay				
T		<i>P. paranaensis</i> (Kraenzl.) Garay	Pabst and Dungs (1975)	Schinini <i>et al.</i> (2008)	FOD	Grasslands. Moist soil.
		<i>Erythroides paranaensis</i> (Kraenzl.) Pabst		Pabst and Dungs (1975)		
T		<i>P. schlechteriana</i> (Hoehne) Garay	R.M. Klein 6850 (FLOR)	Schinini <i>et al.</i> (2008)	FOD	Grasslands. Dry soil.
		<i>Erythroides schlechteriana</i> (Hoehne) Pabst		Klein (1979)		
		Orchidoideae, Cranichideae, Spiranthinae				
		<i>Brachystele</i> Schltr.				
T	#	<i>B. bicrinita</i> Szlach.	E.H.G. Ule 1806 (HBG)	Reis <i>et al.</i> (2011)	FOD	
T		<i>B. bracteosa</i> (Lindl.) Schltr.	E.H.G. Ule 1900 (HBR)	Schinini <i>et al.</i> (2008)	FOD	
T	VU	* <i>B. camporum</i> (Lindl.) Schltr.	D.B. Falkenberg 6202 (FLOR)	Schinini <i>et al.</i> (2008)	FOD	Open areas or grasslands. Dry soil.
T		* <i>B. cyclochila</i> (Kraenzl.) Schltr.	Schinini <i>et al.</i> (2008)	Reis <i>et al.</i> (2011)	FOD	Open areas or grasslands. Dry soil.
T		<i>B. dilatata</i> (Lindl.) Schltr.	E.H.G. Ule 1908 (HBG)	Reis <i>et al.</i> (2011)	FOD	
		<i>B. ulaei</i> (Cogn.) Schltr.		Pabst (1951)		
T		<i>B. scabrilingua</i> Szlach.	L.B. Smith 8616 (AMES)	Reis <i>et al.</i> (2011)	FOD	
		<i>Diskipogone scabrilingua</i> (Szlach.) Szlach. & R. González		Schinini <i>et al.</i> (2008)		
T		<i>B. subfiliiformes</i> (Cogn.) Schltr.	R. Reitz 8112 (FLOR)	Reis <i>et al.</i> (2011)	FOD	
T		<i>B. widgrenii</i> (Rchb.f.) Schltr.	R. Reitz 14121 (MBM)	Barros <i>et al.</i> (2013)	FOD, CMP	
		<i>Cyclopogon</i> C. Presl.				
T		<i>C. apricus</i> (Lindl.) Schltr.	R. Reitz 13702 (FLOR)	Reis <i>et al.</i> (2011)	FOD, CMP	Moist or sodden soils. Turfy soil.
		<i>C. diversifolius</i> (Cogn.) Schltr.		Pabst (1951)		
T		<i>C. bicolor</i> (Ker-Gaw.) Schltr.	Pabst (1951)	Reis <i>et al.</i> (2011)	FOD	
R/T		<i>C. congestus</i> (Vell.) Hoehne	A. Bresolin 7465 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Moist soil.
		<i>C. langei</i> Schltr.		Pabst (1954)		
5S/T	+	<i>C. dusenii</i> Schltr.	F. Plaumann 586 (RB)		FOD	Moist soil.
T		<i>C. elatus</i> (Sw.) Schltr.	L.B. Smith and R. Reitz 12517 (US)	Reis <i>et al.</i> (2011)	FOD, RST	Dry soil.
T		<i>C. iguapensis</i> Schltr.	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD, FOM	
T		<i>C. itatiaiensis</i> (Kraenzl.) Hoehne	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD, FOM	
S/T		<i>C. longibracteatus</i> (Barb. Rodr.) Schltr.	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD	Moist soil.
T		<i>C. multiflorus</i> Schltr.	R.M. Klein 8434 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Dry and moist soils.
T		<i>C. subalpestris</i> Schltr.	A. Bresolin 826 (FLOR)	Klein <i>et al.</i> (1978)	FOD	Dry and moist soils.
T		<i>C. trifasciatus</i> Schltr.	I.D. Cunha 2 (FLOR)	Reis <i>et al.</i> (2011)	FOD, FOM	
T	+	<i>C. truncatus</i> (Lindl.) Schltr.	M. Verdi 2437 (FURB)		FOD	
T		<i>C. variegatus</i> Barb. Rodr.	Pabst (1951)	Pabst and Dungs (1975)	FOD	Moist soil.
T		<i>C. warmingii</i> (Rchb.f.) Schltr.	R. Reitz and R.M. Klein 13788 (US)	Schinini <i>et al.</i> (2008)	FOD	
		<i>Eurystyles</i> Wawra				
E	*	<i>E. actinosophila</i> (Barb. Rodr.) Schltr.	R.M. Klein 8178 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	*	<i>E. cogniauxii</i> (Kraenzl.) Pabst	R.M. Klein 7885 (FLOR)	Klein <i>et al.</i> (1978)	FOD	Forest interior.
E		<i>E. cotyledon</i> Wawra	R.M. Klein 10169b (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>E. lorenzii</i> (Cogn.) Schltr.	R.M. Klein 7526 (FLOR)	Reis <i>et al.</i> (2011)	FOD, FOM	Forest interior.
		<i>Pseudoesrystyles lorenzii</i> (Cogn.) Hoehne		Pabst (1951)		
		<i>Hapalorchis</i> Schltr.				
T	+	<i>H. candidus</i> (Kraenzl.) Schltr.	J.L. Schmitt 504 (FURB)		FOD	Forest interior.

TABLE 1. Continued.

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
T		<i>H. lineatus</i> (Lindl.) Schltr.	R.M. Klein 7509 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
T		<i>H. micranthus</i> (Barb. Rodr.) Hoehne	L.B. Smith 12430 (NY)	Reis <i>et al.</i> (2011)	FOD, RST	Forest border. Degraded areas.
T		<i>H. pauciflorus</i> Porto & Brade	A. Bresolin 825 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest border.
Lankesterella Ames						
E		<i>L. caespitosa</i> (Lindl.) Hoehne	L.C. Oliveira s.n. (CRI8952)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
		<i>Lankesterella epiphyta</i> (Barb. Rodr.) Mansf.		Klein <i>et al.</i> (1978),		
E		<i>L. ceracifolia</i> (Barb. Rodr.) Mansf.	A. Bresolin 705 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Forest interior.
Lyroglossa Schltr.						
T	*	<i>L. grisebachii</i> (Cogn.) Schltr.	L.B. Smith and R.Reitz 8712 (US)	Reis <i>et al.</i> (2011)	FOD	Open areas or grasslands. Moist or sodden soils.
Mesadenella Schltr.						
T		<i>M. atroviridis</i> (Barb. Rodr.) Garay	Reis <i>et al.</i> (2011)		FOD	
		<i>Cyclopogon atroviridis</i> Barb. Rodr.		Pabst and Dungs (1975)		
		<i>Garaya atroviridis</i> (Barb. Rodr.) Szlach.		Schinini <i>et al.</i> (2008)		
T		<i>M. cuspidata</i> (Lindl.) Garay	R.M. Klein 8244 (FLOR)	Reis <i>et al.</i> (2011)	FED, FOD, FOM, RST	Interior or border of forest.
		<i>M. esmeraldae</i> (Linden & Rchb.f.) Pabst & Garay		Klein (1979)		
		<i>Stenorrhynchos esmeraldae</i> (Linden & Rchb.f.) Cogn.		Pabst (1951)		
Pelexia Poit.						
T		<i>P. bonariensis</i> (Lindl.) Schltr.	G. Hatschbach 79220 (MBM)	Reis <i>et al.</i> (2011)	FOD	Grasslands. Dry soil.
		<i>Pachygenium bonariensis</i> (Lindl.) Szlach. <i>et al.</i>		Schinini <i>et al.</i> (2008)		
T	+	<i>P. laminata</i> Schltr.	A. Bresolin 243 (FLOR)		FOD	Grasslands. Dry soil.
T		<i>P. loefgrenii</i> (Porsch) Schltr.	A. Bresolin 252 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Grasslands. Dry soil.
T		<i>P. macropoda</i> (Barb. Rodr.) Schltr.	W.S Mancinelli 1086 (UPCB)	Reis <i>et al.</i> (2011)	FOD	Forest interior. Moist soil.
T		<i>P. novofriburgensis</i> (Rchb.f.) Garay	D.B. Falkenberg 6353 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Forest interior. Moist soil.
		<i>P. hypnophila</i> (Barb. Rodr.) Schltr.		Klein (1979)		
		<i>P. polyantha</i> Schltr.		Schinini <i>et al.</i> (2008)		
T		<i>P. pterygantha</i> (Rchb.f. & Warm.) Schltr.	A. Bresolin 231 (FLOR)	Klein <i>et al.</i> (1978)	FOD	Forest interior. Riparian forest. Moist soil.
T		<i>P. tenuior</i> Schltr.	Schinini <i>et al.</i> (2008)	Reis <i>et al.</i> (2011)	FOD	
		<i>Pachygenium tenuior</i> (Schltr.) Szlach., R. González & Rutkowski		Schinini <i>et al.</i> (2008)		
Pteroglossa Schltr.						
T	#	<i>P. lurida</i> (M.N.Correa) Garay	C.E. Siqueira 320 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Forest border. Dry soil.
Sacoila Raf.						
T		<i>S. lanceolata</i> (Aubl.) Garay	A. Reis 23 (FLOR)	Reis <i>et al.</i> (2011)	FOD, FOM, RST	Interior or border of forest. Open areas or grasslands.
		<i>Stenorrhynchos australis</i> Lindl.		Pabst (1951)		
		<i>S. lanceolatum</i> (Aubl.) Rich. ex Spreng.		Klein <i>et al.</i> (1978)		
		<i>S. orchoides</i> (Sw.) Rich		Pabst (1951)		
T	*	<i>S. duseniana</i> Kraenzl. & Garay	J.A. Rohr 1022 (HB)	Reis <i>et al.</i> (2011)	FOD	Grasslands.
		<i>Stenorrhynchos bradei</i> Schltr.		Pabst (1951)		
Sarcoglottis C.Presl						
T		<i>S. acaulis</i> (Sm.) Schltr.	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
T	CR	# <i>S. catharinensis</i> Mancinelli & E.C. Smidt	Mancinelli 1348 (UPCB)	Mancinelli and Smidt (2013)	FOD	Forest interior. Turfy soil.
T		<i>S. grandiflora</i> (Hook.) Klotzsch	Schinini <i>et al.</i> (2008)	Reis <i>et al.</i> (2011)	FOD	Forest interior. Moist soil.
T		<i>S. uliginosa</i> Barb. Rodr.	L.B. Smith and R. M. Klein 11078 (NY)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
Sauroglossum Lindl.						
T	*	<i>S. nitidum</i> (Vell.) Schltr.	R. Reitz 7547 (FLOR)	Abreu and Menini Neto (2010)	FOD, RST	Forest interior.
Skeprostachys Garay						
T		<i>S. arechavaletanii</i> (Barb. Rodr.) Garay	A. Bresolin 87 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Grasslands.
		<i>Stenorrhynchos arechavaletanii</i> Barb. Rodr.		Pabst and Dungs (1975)		

TABLE 1. *Continued.*

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT	
T		<i>S. balanophorostachya</i> (Rchb.f. & Warm.) Garay	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD	Grasslands. Moist soil.	
		<i>Stenorrhynchos balanophorostachyum</i> (Rchb.f. & Warm.) Cogn.		Pabst and Dungs (1975)			
T		<i>S. paraguayensis</i> (Rchb.f.) Garay	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD	Grasslands.	
		<i>Stenorrhynchos paraguayense</i> (Rchb.f.) Cogn.		Pabst and Dungs (1975)			
T	+	<i>S. rupestris</i> (Lindl.) Garay	O.S. Ribas 7581 (UPCB)		FOD	Grasslands.	
		<i>Stigmatosema</i> Garay					
T	#	<i>S. odileana</i> Szlach.	E. Ule 1327 (HBG)	Reis <i>et al.</i> (2011)	FOD		
T	*	<i>S. polyaden</i> (Vell.) Garay	Abreu and Menini Neto (2010)		FOD	Forest interior.	
		<i>Cyclopogon polyaden</i> (Vell.) F.S. Rocha & J.L. Waechter		Schinini <i>et al.</i> (2008)			
		<i>Veyretia</i> Szlach.					
T		<i>V. hassleri</i> (Cogn.) Szlach.	L.B. Smith and R. Reitz 8981 (US)	Reis <i>et al.</i> (2011)	FOD	Grasslands. Moist soil.	
		<i>Sarcoglottis hassleri</i> (Cogn.) Schltr.		Pabst and Dungs (1975)			
T	#	<i>V. undulata</i> Szlach.	R. Reitz and R.M. Klein 14125 (MBM)	Reis <i>et al.</i> (2011)	FOD	Grasslands. Moist soil.	
Orchidoideae, Orchideae, Orchidinae							
<i>Habenaria</i> Willd.							
T	VU	*	<i>H. achalensis</i> Kraenzl.	L.B. Smith and R. Reitz 8649 (US)	Batista <i>et al.</i> (2011a)	FOD, CMP	Grasslands. Moist or sodden soils.
			<i>H. paivaana</i> Rchb.f.		Schinini <i>et al.</i> (2008)		
R			<i>H. araneiflora</i> Barb. Rodr.	Batista and Bianchetti (2002)	Batista <i>et al.</i> (2011a)	FOD	Grasslands. Dry or moist soils.
T			<i>H. aranifera</i> Lindl.	Batista <i>et al.</i> (2011a)		FOD, FOM	
T	+		<i>H. armata</i> Rchb.f.	G. Hatschbach 79960 (UPCB)		FOD	Grasslands. Dry soil.
			<i>H. elegantula</i> Hoehne		Pabst (1951)		
T			<i>H. balansae</i> Cogn.	R. Reitz 5268 (HBR)	Batista <i>et al.</i> (2011a)	FOD	Grasslands. Moist soil.
			<i>H. brachyphyton</i> Schltr.	Batista <i>et al.</i> (2011a)		FOD	
T	*		<i>H. bractescens</i> Lindl.	Batista and Bianchetti (2002)	Batista <i>et al.</i> (2011a)	FOD	Grasslands. Moist or sodden soils.
T			<i>H. edwallii</i> Cogn.	R. Reitz 8166 (FLOR)	Pabst and Dungs (1975)	FOD	Grasslands. Riparian forest. Moist or sodden soils.
T			<i>H. ekmaniana</i> Kraenzl.	L.B. Smith and R. Reitz 10488 (US)	Batista <i>et al.</i> (2011a)	FOD	
T			<i>H. exaltata</i> Barb. Rodr.	L.B. Smith and L.M. Klein 10908 (US)	Pabst and Dungs (1975)	FOD	Grasslands. sodden soils.
T			<i>H. gourlieana</i> Gill. ex Lindl.	R. Reitz 12408 (FLOR)	Batista and Bianchetti (2002)	FOD, FOM	Grasslands. Riparian forest. Moist or sodden soils.
T			<i>H. guilleminii</i> Rchb.f.	L.B. Smith and R. Reitz 10000 (US)	Batista <i>et al.</i> (2011a)	FOD	Grasslands. Moist soil.
T			<i>H. gustavi-edwallii</i> Hoehne	R. Reitz 2934 (HBR)	Batista <i>et al.</i> (2011a)	FOD	Grasslands. Moist soil.
T	*		<i>H. henscheniana</i> Barb. Rodr.	Batista and Bianchetti (2002)	Batista <i>et al.</i> (2011a)	FOD, CMP	Grasslands. sodden soils.
T			<i>H. inconspicua</i> Cogn.	R. Reitz 5321-A (HBR)	Pabst (1954)	FOD	Grasslands. Moist or sodden soils.
T			<i>H. johannensis</i> Barb. Rodr.	R. Reitz C-1359 (HBR)	Batista <i>et al.</i> (2011a)	FOD	Grasslands. Roadside. Sodden soils
			<i>H. vaupelli</i> Rchb.f. & Warm.		Pabst and Dungs (1975)		
T			<i>H. josephensis</i> Schltr.	J. Caetano 9 (FURB)	Batista <i>et al.</i> (2011a)	FOD	Forest interior. Riparian forest.
T	*		<i>H. leptoceras</i> Hook.	Rohr 2216 (HB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
T	*		<i>H. leucosantha</i> Barb. Rodr.	Batista and Bianchetti (2002)	Reis <i>et al.</i> (2011)	FOD	Grasslands. Moist soil.
T			<i>H. macronectar</i> (Vell.) Hoehne	L.B. Smith 10989 (RB)	Batista <i>et al.</i> (2011b)	FOD	Grasslands. Moist or sodden soils.
T			<i>H. melanopoda</i> Hoehne & Schltr.	J.M. Silva <i>et al.</i> 2805 (BHCB)	Batista <i>et al.</i> (2011b)	FOD, CMP	Grasslands. Moist or sodden soils.
T			<i>H. modestissima</i> Rchb.f.	Pabst and Dungs (1975)		FOD	Grasslands. Moist soil.
T			<i>H. montevidensis</i> Spreng.	R. Reitz 10435 (FLOR)	Batista <i>et al.</i> (2011b)	FOD	
			<i>H. obovatipetala</i> Schltr.		Schinini <i>et al.</i> (2008)		
T			<i>H. nemorosa</i> Baptista	Pabst and Dungs (1975)	Schinini <i>et al.</i> (2008)	FOD	Forest interior.
T	*		<i>H. paranaensis</i> Barb. Rodr.	J. M. Verdi 4209 (FURB)	Batista <i>et al.</i> (2011b)	FOD	Interior or border of forest.
T			<i>H. parviflora</i> Lindl.	J.Z. Matos s.n. (FLOR38659)	Batista <i>et al.</i> (2011b)	FOD	Grasslands. Interior or border of forest. Moist soil.
T			<i>H. paulensis</i> Porsch	Batista <i>et al.</i> (2011b)		FOD	
T			<i>H. platanthera</i> Rchb.f.	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD	

TABLE 1. *Continued.*

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
T		<i>H. pleiophylla</i> Hoehne & Schltr.	A. Bresolin 112 (FLOR)	Batista <i>et al.</i> (2011b)	FOD, RST	Forest border.
T		<i>H. pratensis</i> (Salzm. ex. Lindl.) Rchb.f.	O. S. Ribas 2272 (HBR)	Reis <i>et al.</i> (2011)	FOD, RST	Grasslands. Moist or sodden soils.
T		<i>H. regnellii</i> Cogn.	R.M. Klein 10098 (FLOR)	Batista <i>et al.</i> (2011b)	FOD	Grasslands. Forest border. Moist or sodden soils.
		<i>H. poissoniana</i> Cogn.		Schinini <i>et al.</i> (2008)		
T		<i>H. repens</i> Nutt.	A. Bresolin 282 (FLOR)	Batista <i>et al.</i> (2011b)	FOD, CMP	Grasslands. sodden soils.
T		<i>H. rodeiensis</i> Barb. Rodr.	Pabst (1954)	Batista and Bianchetti (2002)	FOD	Grasslands. Moist soil.
T		<i>H. rolfeana</i> Schltr.	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD	Grasslands. Moist soil.
T		<i>H. rupicola</i> Barb. Rodr.	R. Reitz 3263 (HBR)	Reis <i>et al.</i> (2011)	FOD, CMP	Grasslands.
T		<i>H. secunda</i> Lindl.	L.B. Smith and R. Reitz 10409 (US)	Reis <i>et al.</i> (2011)	FOD	Grasslands. Moist or sodden soils.
		<i>H. taubertiana</i> Cogn.	E.H.G. Ule 1903 (BR)	Batista <i>et al.</i> (2011b)	FOD	Grasslands.
T	+	<i>H. subfiliformis</i> Cogn.	L.B. Smith <i>et al.</i> 9476 (US)		FOD	Grasslands. Moist or sodden soils.
		<i>H. rudolfischlechteri</i> Hoehne		Reis <i>et al.</i> (2011)		
T		<i>H. subviridis</i> Hoehne & Schltr.	O.S. Ribas 2272 (NY)	Batista <i>et al.</i> (2011b)	FOD	Grasslands. Dry soil.
T	#	<i>H. ulei</i> Cogn.	E.H.G. Ule 1902 (BR)	Batista <i>et al.</i> (2011b)	FOD	
T		<i>H. umbraticola</i> Barb. Rodr.	R. Reitz 8149 (FLOR)	Batista <i>et al.</i> (2011b)	FOD, FOM	Forest interior.
Subfamily Epidendroideae						
Basal Epidendroideae, Calypsoeae						
<i>Wulfschlaegelia</i> Rchb.f.						
M		<i>W. aphylla</i> (Sw.) Rchb.f.	R.M. Klein 7120 (HBR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
<i>Govenia</i> Lindl.						
T		<i>G. utriculata</i> (Sw.) Lindl.	A. Bresolin 582 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
Basal Epidendroideae, Gastrodieae						
<i>Uleiorchis</i> Hoehne						
M		<i>U. ulaei</i> (Cogn.) Handro	Ule 1000 (HBG)	Reis <i>et al.</i> (2011)	FOD	
		<i>U. cogniauxiana</i> Hoehne		Reis <i>et al.</i> (2011)		
Derived Epidendroideae, Epidendreae, Laeliinae						
<i>Brassavola</i> R. Br.						
E		<i>B. rhomboglossa</i> Pabst	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD	
E/R		<i>B. tuberculata</i> Hook.	R.M. Klein 7138 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Interior or border of forest.
		<i>B. perrinii</i> Lindl.		Reis <i>et al.</i> (2011)		
		<i>B. revoluta</i> Barb. Rodr.		Pabst (1953)		
<i>Cattleya</i> Lindl.						
E		<i>C. cernua</i> (Lindl.) Van den Berg	R.M. Klein 5286 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
		<i>Sophranitis cernua</i> Lindl.		Pabst (1959)		
E/T		<i>C. forbesii</i> Lindl.	R. Reitz 3690-A (HBR)	Reis <i>et al.</i> (2011)	FOD, RST	Forest interior.
E	VU	<i>C. guttata</i> Lindl.	A. Schwacke 6966 (RB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E/R	VU	<i>C. intermedia</i> Grah.	R.M. Klein 7575 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Forest interior.
E	+	<i>C. mantiqueirae</i> (Fowlie) Van den Berg	R. Reitz 14579 (FLOR)		FOD	Forest interior.
		<i>Hadrolaelia mantiqueirae</i> (Lindl.) Chiron & V.P. Castro		Barros <i>et al.</i> (2013)		
		<i>Sophranitis grandiflora</i> (Lindl.) Rchb.f.		Klein (1979)		
E	CR	<i>C. porphyroglossa</i> Linden & Rchb.f.	R. Reitz 3706 (HBR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E/R	+	<i>C. purpurata</i> (Lindl. ex Paxton) Van den Berg	R.M. Klein 7957 (FLOR)		FOD	Forest interior.
		<i>Hadrolaelia purpurata</i> (Lindl. & Paxton) Chiron & V.P. Castro		Barros <i>et al.</i> (2013)		
		<i>Laelia purpurata</i> Lindl.		Klein (1979)		
		<i>Sophranitis purpurata</i> (Lindl.) C. Berg & M.W. Chase		Schinini <i>et al.</i> (2008)		
E/R	VU	<i>C. tigrina</i> A. Rich.	C.E. Siqueira 322 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
		<i>Cattleya leopoldii</i> Verschaff. ex Lem.		Klein <i>et al.</i> (1978)		
		<i>C. guttata</i> var. <i>leopoldii</i> (Verschaff. ex Lem.) Linden & Rchb.f.		Pabst (1953)		
		<i>Constantia</i> Barb. Rodr.				
E	#	<i>C. australis</i> (Cogn.) Porto & Brade	J.A. Rohr 2291 (HB)	Reis <i>et al.</i> (2011)	FOD	
E	VU	<i>C. rupestris</i> Barb. Rodr.	J.A. Rohr 2130 (HB)	Reis <i>et al.</i> (2011)	FOD	
<i>Encyclia</i> Hook.						
E		<i>E. oncidoides</i> (Lindl.) Schltr.	J.Z. Matos 38 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>E. patens</i> Hook.	R.M. Klein 7450 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
		<i>E. odoratissima</i> (Lindl.) Schltr.		Klein <i>et al.</i> (1978)		
		<i>E. serroniana</i> (Barb. Rodr.) Hoehne		Pabst (1953)		

TABLE 1. Continued.

NAMES CITED TO SC		VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT	
Epidendrum L.						
E		E. anceps Jacq.	Reis et al. (2011)	FOD	Forest interior.	
T		E. ansiferum Rchb.f.	R.M. Klein 10550 (FLOR)	Klein (1979)	FOD	Forest interior. Grasslands.
E		E. armeniacum Lindl.	R. Reitz 3924 (HBR)	Reis et al. (2011)	FOD, FOM	Forest interior.
E		E. avicula Lindl.	J.A. Rohr 2024 (HB)	Reis et al. (2011)	FOD	Forest interior.
		Lanium avicula (Lindl.) Benth.		Klein (1979)		
E		E. berkeleyi (Rolfe) Baptista	R. Reitz 8487 (HBR)	Reis et al. (2011)	FOD	Forest interior.
		Lanium berkeleyi Rolfe		Klein (1979)		
T	+	E. cinnabarinum Salzm.	Pabst (1953)		FOD	Grasslands.
E/R	*	E. coronatum Ruiz & Pav.	A. Bresolin 1290 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E		E. cristatum Ruiz & Pav.	A. Bresolin 129 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
T		E. purpureum Barb. Rodr.	A. Stival-Santos 1759 (FURB)	Reis et al. (2011)	FOD, FOM	Roadside.
		E. denticulatum Barb. Rodr.		Pabst (1953)		
E	VU	E. ecostatum Pabst	R.M. Klein 10165 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
		E. corymbosum Lindl., nom. illeg.		Pabst and Dungs (1975)		
E/R/T		E. fulgens Brongn.	D.B. Falkenberg 5941 (FLOR)	Reis et al. (2011)	FOD, RST	Grasslands. Roadside. Forest border.
		E. moseni Rchb.f.		Klein (1979)		
E		E. geniculatum Barb. Rodr.	J.A. Rohr 2108 (HB)	Reis et al. (2011)	FOD	Forest interior. Riparian forest.
E	EN	E. henschenii Barb. Rodr.	M. Verdi 801 (FURB)	Reis et al. (2011)	FOD	
E		E. latilabre Lindl.	A. Bresolin 746 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E	*	E. nocturnum Jacq.	J.L. Schmitt 740 (FURB)	Reis et al. (2011)	FOD	Forest interior.
E		E. obergii Hawkes	R.M. Klein 9417 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E		E. ochrochlorum Barb. Rodr.	A. Bresolin 550 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E		E. paranaense Barb. Rodr.	J.Z. Matos 63 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
		E. patens Sw.	Pabst (1953)	Reis et al. (2011)	FOD	Forest interior.
E		E. polyanthum Lindl.	A. Bresolin 716 (FLOR)	Reis et al. (2011)	FOD	
E		E. proligerum Barb. Rodr.	J.A. Rohr 2132 (HB)	Reis et al. (2011)	FOD	
		E. corymbosum Lindl.		Pabst (1953)		
E		E. pseudodifforme Hoehne & Schltr.	A.L. Gasper 2193 (FURB)	Reis et al. (2011)	FOD, RST	Interior or border of forest.
E		E. ramosum Jacq.	R.M. Klein 7153 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E		E. rigidum Jacq.	R.M. Klein 8661 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E		E. rodriguesii Cogn.	A. Bresolin 229 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
		E. strobiliferum Rchb.f.		Schinini et al. (2008)		
R/T		E. secundum Jacq.	R. Reitz 6975 (FLOR)	Pabst and Dungs (1975)	FOD, FOM	Grasslands. Interior or border of forest.
		E. crassifolium Lindl.		Klein et al. (1978)		
		E. ellipticum Graham		Klein (1979)		
		E. elongatum Jacq.		Klein (1979)		
E		E. tridactylum Lindl.	R.M. Klein 9613 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
		Amblostoma cernuum Scheidw.		Rohr (1951)		
		A. tridactylum (Lindl.) Rchb.f.		Schinini et al. (2008)		
E		E. vesicatum Lindl.	R.M. Klein 8162 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
Isabelia Barb. Rodr.						
E		I. pulchella (Kraenzl.) Senghas & Teuscher	R.M. Klein 9573 (FLOR)	Reis et al. (2011)	FOD, FOM	Forest interior.
		Neolauchea pulchella Kraenzl.		Klein (1979)		
E		I. violacea (Lindl.) van den Berg & M.W. Chase	A. Bresolin 1286 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
		Sophronitella violacea (Lindl.) Schltr.		Pabst and Dungs (1975)		
Jacquiniella Schltr.						
E		J. globosa (Jacq.) Schltr.	Pabst (1956)	Reis et al. (2011)	FOD	Forest interior.
Leptotes Lindl.						
E		L. bicolor Lindl.	A. Bresolin 894 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E		L. tenuis Rchb.f.	Pabst (1954)	Reis et al. (2011)	FOD	Forest interior.
E	*	L. unicolor Barb. Rodr.	A. Bresolin 757 (FLOR)	Reis et al. (2011)	FOD, FOM	Forest interior.
Nemaconia Knowles & Westc.						
E		N. striata (Lindl.) van den Berg et al.	T.B. Breier 1371 (UEC)	Reis et al. (2011)	FOD	Forest interior.

TABLE 1. Continued.

	NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
<i>Prosthechea</i> Knowles & Westc.					
E	<i>P. bulbosa</i> (Vell.) W.E. Higgins <i>Encyclia bulbosa</i> (Vell.) Pabst <i>Epidendrum bulbosum</i> Vell. <i>Prosthechea inversa</i> (Lindl.) W.E. Higgins	A. Korte 2222 (FURB)	Reis et al. (2011) Reis et al. (2011) Reis et al. (2011) Reis et al. (2011)	FOD, FOM	Forest interior.
E	<i>P. fausta</i> (Rchb.f. ex Cogn.) W.E. Higgins <i>Epidendrum faustum</i> Rchb.f. ex Cogn.	R. Reitz 9753 (FLOR)	Reis et al. (2011) Klein et al. (1978)	FOD, FOM	Forest interior.
E	<i>P. fragans</i> (Sw.) W.E. Higgins <i>Encyclia fragrans</i> (Sw.) Lemée <i>Epidendrum fragrans</i> Sw.	J.A. Rohr 58 (HB)	Reis et al. (2011) Klein et al. (1978) Pabst (1953)	FOD	Forest interior.
E	<i>P. glumacea</i> (Lindl.) W.E. Higgins <i>Encyclia glumacea</i> (Lindl.) Pabst <i>Epidendrum almasii</i> Hoehne <i>E. glumaceum</i> Lindl. <i>Prosthechea inversa</i> (Lindl.) W.E. Higgins	R.M. Klein 9355 (FLOR)	Reis et al. (2011) Klein (1979) Klein (1979) Pabst (1957) Schinini et al. (2008)	FOD	Forest interior.
E	<i>P. papilio</i> (Vell.) W.E. Higgins <i>Epidendrum papilio</i> Vell. <i>E. widgrenii</i> Lindl.	Pabst and Dungs (1975)	Reis et al. (2011) Pabst (1953) Pabst (1953)	FOD	
E	<i>P. punctifera</i> (Rchb.f.) W.E. Higgins	Barros et al. (2013)	Reis et al. (2011)	FOD	Forest interior.
E	<i>P. pygmaea</i> (Hook.) W.E. Higgins <i>Hormidium tripterum</i> (Brongn.) Cogn.	J.Z. Matos s.n. (FLOR38471)	Reis et al. (2011) Klein (1979)		
E	* <i>P. tigrina</i> (Linden ex Lindl.) W.E. Higgins	Schinini et al. (2008)	Reis et al. (2011)	FOD	Forest interior.
E	* <i>P. vespa</i> (Vell.) W.E. Higgins <i>Encyclia vespa</i> (Vell.) Dressler <i>Epidendrum vespa</i> (Vell.) Hoehn <i>E. variegatum</i> Hook.	R.M. Klein 6380 (FLOR)	Reis et al. (2011) Reis et al. (2011) Reis et al. (2011) Reis et al. (2011)	FOD, RST	Forest interior.
<i>Scaphyglottis</i> Poepp. & Endl.					
E	<i>S. brasiliensis</i> (Schltr.) Dressler	A. Krapovickas 42137 (MBM)	Reis et al. (2011)	FOD	Forest interior. Riparian forest.
E	<i>S. emarginata</i> (Garay) Dressler <i>Reichenbachanthus emarginatus</i> Garay	Pabst and Dungs (1975)	Reis et al. (2011) Pabst and Dungs (1975)	FOD	Forest interior.
E	<i>S. modesta</i> (Rchb.f.) Schltr. <i>Tetragamestus modestus</i> Rchb.f.	R.M. Klein 7683 (FLOR)	Reis et al. (2011) Pabst (1953)	FOD	Forest interior. Riparian forest.
E	+ <i>S. reflexa</i> Lindl. <i>Reichenbachanthus reflexus</i> (Lindl.) Brade	J.L. Schmitt 1281 (FURB)	Pabst (1951)	FOD	Forest interior.
Derived Epidendroideae, Epidendreae, Pleurothallidinae					
<i>Acianthera</i> Scheidw.					
E	<i>A. albo-rosea</i> (Kraenzl.) Luer <i>Pleurothallis albo-rosea</i> (Kraenzl.) Brade	J.A. Rohr 2109 (RB)	Reis et al. (2011) Schinini et al. (2008)	FOD	Forest interior.
E/S	<i>A. aphthosa</i> (Lindley) Pridgeon & M.W. Chase <i>A. hoffmannseggiana</i> (Rchb.f.) F. Barros <i>Pleurothallis hoffmannseggiana</i> (Rchb.f.) <i>P. macrophyta</i> Barb. Rodr.	C.E. Siqueira 218 (FLOR)	Reis et al. (2011) Chiron and Bolsanello (2013) Klein et al. (1978) Pabst (1954)	FOD	Forest interior.
E	# <i>A. asaroides</i> (Kraenzl.) Pridgeon & M.W. Chase	Kraenzlin 1907	Reis et al. (2011)	FOD	Forest interior.
E	<i>A. auriculata</i> (Lindl.) Pridgeon & M.W. Chase <i>Arthrosia auriculata</i> (Lindl.) Luer <i>Pleurothallis auriculata</i> Lindl.	T.J. Cadorin 1539 (FURB)	Reis et al. (2011) Schinini et al. (2008) Klein (1979)	FOD	Forest interior. Riparian forest.
E	<i>A. bidentula</i> (Barb. Rodr.) Pridgeon & M.W. Chase <i>Pleurothallis bidentula</i> Barb. Rodr.	R. Reitz 3866 (HBR)	Schinini et al. (2008) Klein (1979)	FOD	Interior or border of forest.

TABLE 1. *Continued.*

	NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
E	<i>A. binotii</i> (Regel) Pridgeon & M.W. Chase <i>A. bicarinata</i> (Lindl.) Pridgeon & M.W. Chase <i>Pleurothallis binotii</i> Regel	R. Reitz 3046 (HBR)	Schinini <i>et al.</i> (2008) Schinini <i>et al.</i> (2008) Klein (1979)	FOD	Forest interior.
E	<i>A. bragae</i> (Ruschi) F. Barros <i>Physosiphon pubescens</i> Barb. Rodr. <i>Sarracenella pubescens</i> (Barb. Rodr.) Luer	T.J. Cadorin 2478 (FURB)	Reis <i>et al.</i> (2011) Klein <i>et al.</i> (1978) Schinini <i>et al.</i> (2008)	FOD	Forest interior. Riparian forest.
E	* <i>A. brachyloba</i> (Hoehne) Pridgeon & M.W. Chase	L.B. Smith and R. Reitz 12456 (NYBG)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	* <i>A. compressiflora</i> (Barb. Rodr.) Chiron & Van den Berg <i>Pleurothallis compressiflora</i> Barb. Rodr.	F.C. Hoehne s.n. (SP23162)	Chiron and Bolsanello (2013) Pabst (1952)	FOD	Forest Interior.
E	* <i>A. crinita</i> (Barb. Rodr.) Pridgeon & M.W. Chase <i>A. renipetala</i> (Barb. Rodr.) Luer	Schinini <i>et al.</i> (2008)	 Schinini <i>et al.</i> (2008)	FOD	
E	* <i>A. capillaris</i> (Lindl.) Pridgeon & M.W. Chase <i>Arthrosia floribunda</i> (Lindl.) Luer	Schinini <i>et al.</i> (2008)	 Schinini <i>et al.</i> (2008)	FOD	Forest interior.
E	+ <i>A. cryptantha</i> (Barb. Rodr.) Pridgeon & M.W. Chase <i>Cryptophoranthus juergensii</i> Schltr.	J. Caetano s.n. (FURB36262)		FOD, FOM	Forest interior.
E	<i>A. exarticulata</i> (Barb. Rodr.) Pridgeon & M.W. Chase <i>Pleurothallis exarticulata</i> Barb. Rodr.	C.E. Siqueira 117 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)	FOD, RST	Forest interior.
E	+ <i>A. fenestrata</i> (Barb. Rodr.) Pridgeon & M.W. Chase <i>Cryptophoranthus fenestratus</i> (Barb. Rodr.) Barb. Rodr. <i>C. spicatus</i> Dutra	R. Reitz and R.M. Klein 8743 (US)	 Schinini <i>et al.</i> (2008) Klein (1979)	FOD	Forest interior.
E	<i>A. glanduligera</i> (Lindl.) Luer	C.E. Siqueira 139 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Forest interior.
E	<i>A. glumacea</i> (Lindl.) Pridgeon & M.W. Chase <i>Pleurothallis glumacea</i> Lindl.	A. Bresolin 50 (FLOR)	Reis <i>et al.</i> (2011) Klein <i>et al.</i> (1978)	FOD	Forest interior.
E	<i>A. hygrophila</i> (Barb. Rodr.) Pridgeon & M.W. Chase <i>Arthrosia hygrophila</i> (Barb. Rodr.) Luer <i>Pleurothallis hygrophila</i> Barb. Rodr.	R.M. Klein 5496 (NYBG)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008) Pabst and Dungs (1975)	FOD	Forest interior.
E	<i>A. hystrix</i> (Kraenzl.) F. Barros <i>Apoda-prorepentia hystrix</i> (Kraenzl.) Luer <i>Pleurothallis raduliglossa</i> Pabst	Pabst (1952)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008) Rohr (1951)	FOD	Forest interior.
E	<i>A. klotzscheana</i> (Rchb.f.) Pridgeon & M.W. Chase <i>Pleurothallis klotzscheana</i> Rchb.f.	J.A. Rohr 2110 (HB)	Reis <i>et al.</i> (2011) Pabst and Dungs (1975)	FOD	Forest interior.
E	<i>A. luteola</i> (Lindl.) Pridgeon & M.W. Chase <i>Pleurothallis caespitosa</i> Barb. Rodr. <i>P. luteola</i> Lindl.	C.E. Siqueira 56 (FLOR)	Reis <i>et al.</i> (2011) Rohr (1951) Menini Neto <i>et al.</i> (2007)	FOD FOD	Forest interior. Forest interior.
E	<i>A. macropoda</i> (Barb. Rodr.) Pridgeon and M.W. Chase <i>Pleurothallis macropoda</i> Barb. Rodr.	C.E. Siqueira 70 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)	FOD, RST	Interior or border of forest.
E	<i>A. macuconensis</i> (Barb. Rodr.) F. Barros	G. Hatschbach 2629 (MBM)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>A. murexoides</i> (Pabst) Pridgeon & M.W. Chase <i>Pleurothallis murexoides</i> Pabst	R. Reitz 5492 (HBR)	Reis <i>et al.</i> (2011) Klein (1979)		
E	<i>A. muscosa</i> (Barb. Rodr.) Pridgeon and M.W. Chase <i>P. muscosa</i> Barb. Rodr.	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011) Pabst and Dungs (1975)	FOD	Forest interior.
E	+ <i>A. nemorosa</i> (Barb. Rodr.) F. Barros	C.E. Siqueira 228 (FLOR)		FOD	Forest interior.
E	<i>A. oligantha</i> (Barb. Rodr.) F. Barros <i>Pleurothallis oligantha</i> Barb. Rodr.	A. Korte 145 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)	FOD	Forest interior.

TABLE 1. *Continued.*

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
E	+	<i>A. ophiantha</i> (Cogn.) Pridgeon & M.W. Chase	J. Caetano s.n. (FURB36260)		FOD	Forest interior.
E		<i>A. panduripetala</i> (Barb. Rodr.) Pridgeon & M.W. Chase <i>Pleurothallis panduripetala</i> Barb. Rodr.	C.E. Siqueira 143 (FLOR)	Reis <i>et al.</i> (2011) Pabst and Dungs (1975)	FOD	Forest interior.
E		<i>A. pardipes</i> (Rchb.f.) Pridgeon & M.W. Chase <i>Pleurothallis pardipes</i> Rchb.f.	L.M. Ceolin s.n. (FURB867)	Reis <i>et al.</i> (2011) Pabst and Dungs (1975)	FOD	Forest interior.
E		<i>A. pectinata</i> (Lindl.) Pridgeon & M.W. Chase <i>Pleurothallis pectinata</i> Lindl.	R. Reitz 3568 (HBR)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD	Interior or border of forest.
E		<i>A. pubescens</i> (Lindl.) Pridgeon & M.W. Chase <i>Pleurothallis riograndensis</i> Barb. Rodr. <i>P. smithiana</i> Lindl.	C.E. Siqueira 302 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979) Klein (1979)	FOD	Forest interior.
E		<i>A. recurva</i> (Lindl.) Pridgeon & M.W. Chase <i>Pleurothallis recurva</i> Lindl.	A. Korte 1171 (FURB)	Reis <i>et al.</i> (2011) Menini Neto <i>et al.</i> (2007)	FOD	Forest interior.
E/R		<i>A. saundersiana</i> (Rchb.f.) Pridgeon & M.W. Chase <i>Pleurothallis butantanensis</i> Hoehne & Schltr. <i>P. josephensis</i> Barb. Rodr. <i>P. saundersiana</i> Rchb.f.	C.E. Siqueira 65 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979) Pabst (1954) Klein (1979)	FOD, RST	Interior or border of forest. Degraded areas.
E		<i>A. saurocephala</i> (Lodd.) Pridgeon & M.W. Chase <i>Pleurothallis saurocephala</i> Lodd.	F.F. Neves 83 (FLOR)	Reis <i>et al.</i> (2011) Pabst and Dungs (1975)	FOD	Forest interior.
E	+	<i>A. serpentula</i> (Barb. Rodr.) F. Barros	C.E. Siqueira 77 (FLOR)		FOD, RST	Forest interior.
E		<i>A. sonderiana</i> (Rchb.f.) Pridgeon & M.W. Chase <i>Pleurothallis sonderiana</i> Rchb.f.	R.M. Klein 2932 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)	FOD	Forest interior.
E		<i>A. spilantha</i> (Barb. Rodr.) Luer <i>Pleurothallis spilantha</i> Barb. Rodr.	H. Schenk 309 (HBR)	Reis <i>et al.</i> (2011) Pabst and Dungs (1975)	FOD	Forest interior.
E		<i>A. strupifolia</i> (Lindl.) Pridgeon & M.W. Chase <i>Pleurothallis strupifolia</i> Lindl.	R.M. Klein 8131 (FLOR)	Reis <i>et al.</i> (2011) Klein <i>et al.</i> (1978)	FOD	Forest interior.
E		<i>A. translucida</i> (Barb. Rodr.) Luer <i>Pleurothallis translucida</i> Barb. Rodr.	C.E. Siqueira 113 (FLOR)	Reis <i>et al.</i> (2011) Pabst and Dungs (1975)	FOD	Forest interior.
E	*	<i>A. tricarinata</i> (Poepp. & Endl.) Pridgeon & M.W. Chase	F.C. Hoehne s.n. (SP4040)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	*	<i>A. wagneriana</i> (Klotzsch) Pridgeon & M.W. Chase	Schinini <i>et al.</i> (2008)		FOD	Forest interior.
<i>Anathallis</i> Barb. Rodr.						
E		<i>A. adenochila</i> (Loefgr.) F. Barros <i>Panmorphia adenochila</i> (Loefgr.) Luer <i>P. adenochila</i> Loefgr.	R.M. Klein 10573 (FLOR)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008) Klein (1979)	FOD	Forest interior.
E		<i>A. bleyensis</i> (Pabst) F. Barros <i>Pleurothallis bleyensis</i> Pabst	Pabst and Dungs (1975)	Schinini <i>et al.</i> (2008) Pabst and Dungs (1975)	FOD	Forest interior.
E		<i>A. bocainensis</i> (Porto & Brade) F. Barros & Barberena	Reis <i>et al.</i> (2011)		FOD	Forest interior.
E	*	<i>A. corticicola</i> (Schltr. ex Hoene) Pridgeon & M.W. Chase	A. Korte 984 (FURB)	Reis <i>et al.</i> (2011)	FOD, RST	Forest interior.
E		<i>A. dryadum</i> (Schltr.) F. Barros <i>Pabstiella dryadum</i> (Schltr.) Luer <i>Pleurothallis dryadum</i> Schltr.	R.M. Klein 3108 (FLOR)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008) Klein (1979)	FOD	Forest interior.
E		<i>A. fernandiana</i> (Hoehne) F. Barros <i>Pleurothallis fernandiana</i> Hoehne	Pabst and Dungs (1975)	Pabst and Dungs (1975)	FOD	Forest interior.
E	VU	<i>A. gehrtii</i> (Hoehne & Schltr.) F. Barros	Reis <i>et al.</i> (2011)		FOD	Forest interior.
E		<i>A. globifera</i> (Pabst) F. Barros & Barberena <i>Pleurothallis adenochila</i> Loefgr. <i>P. globifera</i> Pabst	J.A. Rohr 2126 (HB)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008) Pabst (1954)	FOD	Forest interior.

TABLE 1. Continued.

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
E	*	A. kleinii (Pabst) Luer <i>Pleurothallis kleinii</i> Pabst	C.E. Siqueira 303 (FLOR)	Reis et al. (2011) Pabst (1972)	FOD, RST	Forest interior.
E		A. linearifolia (Cogn.) Pridgeon & M.W. Chase <i>Pleurothallis depauperata</i> Cogn. <i>P. glossochila</i> Kraenzl. <i>P. linearifolia</i> Cogn.	A. Bresolin 849 (FLOR)	Reis et al. (2011) Klein (1979) Klein (1979) Pabst and Dungs (1975)	FOD	Forest interior.
E		A. liparanges (Rchb.f.) Luer	L.M. Ceolin 392 (UPCB)	Reis et al. (2011)	FOD	Forest interior.
E	+	A. malmeana (Dutra ex Pabst) Pridgeon & M.W. Chase	T.J. Cadorn 568 (FURB)		FOD	Forest interior.
E		A. marginata (Barb. Rodr.) F. Barros & Barberena <i>Panmorphia limbata</i> (Cogn.) Luer <i>Pleurothallis limbata</i> Cogn.	J.A. Rohr 2138 (HB)	Barros et al. (2013) Reis et al. (2011) Pabst and Dungs (1975)	FOD	Forest interior.
E		A. microphyta (Barb. Rodr.) C.O. Azevedo & van den Berg <i>A. microgemma</i> (Schltr. ex Hoehne) Pridgeon & M. W. Chase <i>A. paranaensis</i> (Schltr.) Pridgeon & M. W. Chase <i>Panmorphia paranaensis</i> (Schltr.) Luer <i>Pleurothallis microgemma</i> Schltr. <i>P. microphyta</i> (Barb. Rodr.) Cogn. <i>P. paranaensis</i> Schltr.	C.E. Siqueira 18 (FLOR)	Reis et al. (2011) Barros et al. (2013) Barros et al. (2013) Schinini et al. (2008) Pabst and Dungs (1975) Schinini et al. (2008) Pabst and Dungs (1975)	FOD, RST	Forest interior.
E		A. muscoidea (Lindl.) F. Barros & Barberena <i>Pleurothallis muscoidea</i> Lindl.	Pabst (1952)	Reis et al. (2011) Schinini et al. (2008)	FOD	Forest interior.
E		A. obovata (Lindl.) Pridgeon & M.W. Chase <i>Pleurothallis modestiflora</i> Schltr. <i>P. obovata</i> (Lindl.) Lindl.	C.E. Siqueira 135 (FLOR)	Reis et al. (2011) Klein (1979) Pabst and Dungs (1975)	FOD	Forest interior.
E	EN	A. pabstii (Garay) Pridgeon & M.W. Chase <i>Pleurothallis pabstii</i> Garay	R. Reitz and R.M. Klein 6413 (HBR)	Reis et al. (2011) Pabst and Dungs (1975)	FOD	Forest interior.
E		A. rubens (Lindl.) Pridgeon & M.W. Chase <i>Pleurothallis rubens</i> Lindl	J.A. Rohr 2043 (HB)	Reis et al. (2011) Menini Neto et al. (2007)	FOD	Forest interior.
E	*	A. seidelii Luer, Toscano & Baptista	C. Luer 21172 (HUEFS)	Luer and Toscano de Brito (2011)	FOD	Forest interior.
E		A. sclerophylla (Lindley) Pridgeon & M.W. Chase <i>Pleurothallis sclerophylla</i> Lindl.	C.E. Siqueira 33 (FLOR)	Reis et al. (2011) Klein et al. (1978)	FOD, RST	Interior or border of forest.
E		A. stictophylla (Schltr.) Pridgeon & M.W. Chase <i>Pabstiella stictophylla</i> (Schltr.) Luer <i>Pleurothallis stictophylla</i> Schltr. <i>Specklinia stictophylla</i> (Schltr.) Luer Barbosella Schltr.	R.M. Klein 7073 (FLOR)	 Reis et al. (2011) Klein et al. (1978) Schinini et al. (2008)	FOD	Forest interior.
E/R		B. australis (Cogn.) Schltr.	Pabst and Dungs (1975)	Barros et al. (2013)	FOD, FOM	Forest interior.
E/R		B. cogniauxiana (Speg. & Kraenzl.) Schltr. <i>B. handroi</i> Hoehne <i>B. porschii</i> (Kraenzl.) Schltr.	R. Reitz 6655 (HB)	Reis et al. (2011) Klein (1979) Klein et al. (1978)	FOD	Forest interior. Riparian forest.
E		B. crassifolia (Edwall) Schltr.	J.A. Rohr 2030 (HB)	Reis et al. (2011)	FOD	Forest interior.
E	+	B. dusenii (Samp.) Schltr.	T.J. Cadorn 2043 (FURB)		FOD	Forest interior.
E		B. gardneri (Lindl.) Schltr. <i>B. microphylla</i> (Barb. Rodr.) Schltr.	R. Reitz 6655 (NY)	Reis et al. (2011) Pabst and Dungs (1975)	FOD	Forest interior.
E		B. miersii (Lindl.) Schltr. Brachionidium Lindl.	A. Korte 1966 (FURB)	Reis et al. (2011)	FOD	Forest interior.
E	VU	+	B. restrepioides (Hoehne) Pabst	W.S. Mancinelli 848 (FURB)	FOM	Forest interior.

TABLE 1. Continued.

NAMES CITED TO SC			VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT	
Dryadella Luer							
E			D. edwalli (Cogn.) Luer	R. Reitz 10217 (HBR)	Reis et al. (2011)	FOD, FOM	Forest interior.
			Masdevallia edwallii Cogn.		Klein et al. (1978)		
E	VU		D. liliputiana (Cogn.) Luer	J.Z. Matos s.n. (FLOR44243)	Reis et al. (2011)	FOD	Forest interior.
E			D. zebrina (Porsch) Luer	C.E. Siqueira 210 (FLOR)	Reis et al. (2011)	FOD, RST	Forest interior.
			Masdevallia zebrina Porsch		Klein et al. (1978)		
Lepanthopsis Ames							
E	VU		L. floripecten (Rchb.f.) Ames	C.E. Siqueira 20 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
Myoxanthus Poepp. & Endl.							
E			M. exasperatus (Lindl.) Luer	M. Lenzi 91 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
			Pleurothallis peduncularis Lindl.		Klein (1979)		
Octomeria R. Br.							
E	EN	+	O. alexandri Schltr.	M. Lenzi 48 (FLOR)		FOD	Forest interior. Riparian forest.
E			O. anceps Porto & Brade	R. Reitz 5687 (HBR)	Reis et al. (2011)	FOD	
			O. reitzii Pabst		Klein (1979)		
E	VU		O. chamaeleptotes Rchb.f.	R.M. Klein 7920 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E			O. chloidophylla (Rchb.f.) Garay	Pabst and Dungs (1975)	Reis et al. (2011)	FOD	
			O. dusenii Schltr.		Klein (1979)		
E		*	O. concolor Barb. Rodr.	Pabst and Dungs (1975)	Reis et al. (2011)	FOD, RST	Forest interior.
E			O. crassifolia Lindl.	C.E. Siqueira 74 (FLOR)	Reis et al. (2011)	FOD, FOM, RST	Forest interior.
			O. alpina Barb. Rodr.		Schinini et al. (2008)		
			O. densiflora Barb. Rodr.		Schinini et al. (2008)		
			O. gehrtii Hoehne & Schltr.		Schinini et al. (2008)		
			O. gracilicaulis Schltr.		Schinini et al. (2008)		
			O. serrana Hoehne		Schinini et al. (2008)		
E			O. diaphana Lindl.	R.M. Klein 8771 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
			O. albopurpurea Barb. Rodr.		Klein et al. (1978)		
			O. fialhoensis Dutra		Schinini et al. (2008)		
E			O. flabellifera Pabst	R.M. Klein 8257 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E		*	O. fibrifera Schltr.	R.M. Klein 8704 (FLOR)	Klein et al. (1978)	FOD	Forest interior.
E			O. gracilis Lodd. ex Lindl.	R. Reitz 9862 (FLOR)	Reis et al. (2011)	FOD, FOM	Forest interior.
E			O. grandiflora Lindl.	R.M. Klein 6759 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
			O. robusta Rchb.f. & Warm.		Schinini et al. (2008)		
E	VU		O. hatschbachii Schltr.	Pabst (1952)	Reis et al. (2011)	FOD	Forest interior.
E			O. irrorata Schltr.	Pabst and Dungs (1975)	Reis et al. (2011)	FOD	
E			O. juncifolia Barb. Rodr.	R.M. Klein 8236 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E		+	O. linearifolia Barb. Rodr.	T.J. Cadorn 1323 (FURB)		FOD	Forest interior.
E			O. micrantha Barb. Rodr.	R. Reitz and R.M. Klein 9408 (HB)	Reis et al. (2011)	FOD	
E			O. ochroleuca Barb. Rodr.	B. Hess 403 (RB)	Reis et al. (2011)	FOD	Forest interior.
E			O. octomeriantha (Hoehne) Pabst	A. Korte 652 (FURB)	Reis et al. (2011)	FOD	Forest interior.
E			O. palmyrabellae Barb. Rodr.	J.L. Schmitt 58 (FURB)	Reis et al. (2011)	FOD	Forest interior.
E			O. praetans Barb. Rodr.	Pabst (1952)	Reis et al. (2011)	FOD	
E			O. pusilla Lindl.	R.M. Klein 707 (FLOR)	Reis et al. (2011)	FOD, FOM	Forest interior.
			O. umbonulata Schltr.		Schinini et al. (2008)		
E			O. riograndensis Schltr	Pabst and Dungs (1975)	Reis et al. (2011)	FOD	Forest interior. Riparian forest.
E			O. rohrrii Pabst	R.M. Klein 8700 (FLOR)	Schinini et al. (2008)	FOD	Forest interior.
E			O. rotundiglossa Hoehne	Pabst and Dungs (1975)	Reis et al. (2011)	FOD, RST	Forest interior.
E		+	O. sancti-angeli Kraenzl.	J.M. Kalk s.n. (FURB5790)		FOD	Forest interior.
E	VU		O. truncicola Barb. Rodr.	Reis et al. (2011)		FOD	Forest interior.
E			O. warmingii Rchb.f.	M.Verdi 3187 (FURB)	Reis et al. (2011)	FOD	
			O. iguapensis Schltr.		Schinini et al. (2008)		
			O. oxychela Barb. Rodr.		Klein (1979)		
Pabstiella Brieger & Senghas							
E			P. alligatorifera (Rchb.f.) Luer	A. Bresolin 258 (FLOR)	Schinini et al. (2008)	FOD	Forest interior.
			Acianthera alligatorifera (Rchb.f.) Pridgeon & M. W. Chase		Reis et al. (2011)		
			Pleurothallis alligatorifera Rchb.f.		Klein (1979)		
			P. blumenavii Cogn.		Klein (1979)		
E		*	P. arcuata (Lindl.) Lue	R. Reitz 1070 (RB)	Chiron and Bolsanello (2010)	FOD	Forest interior.

TABLE 1. *Continued.*

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
E		<i>P. aveniformes</i> (Hoehne) C.N. Gonç. & Waechter	W.S. Mancinelli 1274 (UPCB)	Reis <i>et al.</i> (2011)	FOD	
E		<i>P. bradei</i> (Schltr.) Luer	J.A. Rohr 2174 (HB)	Barros <i>et al.</i> (2013)	FOD	Forest interior.
E	VU	<i>Pleurothallis bradei</i> Schltr.		Klein (1979)		
E		<i>P. carinifera</i> (Barb. Rodr.) Luer	J. Caetano s.n. (FURB37332)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	*	<i>P. calcarata</i> (Cogn.) Luer	R.M. Klein 9923 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
		<i>P. mentigera</i> (Kraenzl.) L.Kollmann		Barros <i>et al.</i> (2013)		
		<i>Pleurothallis mentigera</i> Kraenzl.		Klein (1979)		
E		<i>P. colorata</i> (Pabst) F. Barros & C.F. Hall	T.J. Cadorin 738 (FURB)	Barros <i>et al.</i> (2013)	FOD	Forest interior.
		<i>P. uniflora</i> (Lindl.) Luer		Schinini <i>et al.</i> (2008)		
		<i>Pleurothallis colorata</i> Pabst		Pabst and Dungs (1975)		
		<i>Specklinia colorata</i> (Pabst) F. Barros & L. Guimarães		Reis <i>et al.</i> (2011)		
E		<i>P. fusca</i> (Lindl.) Chiron & Xim.Bols.	C.E. Siqueira 140 (FLOR)		FOD	Forest interior.
		<i>Effusiella hypnicola</i> (Lindl.) Campacci		Campacci (2011)		
		<i>Pabstiella hypnicola</i> (Lindl.) Luer		Barros <i>et al.</i> (2013)		
		<i>Pleurothallis hypnicola</i> Lindl.		Menini Neto <i>et al.</i> (2007)		
		<i>Stelis hypnicola</i> (Lindl.) Pridgeon & M.W. Chase		Reis <i>et al.</i> (2011)		
E		<i>P. leucopyramis</i> (Rchb.f.) Luer	H. Schenk 1337 (MBM)		FOD	Forest interior.
		<i>Pleurothallis pterophora</i> Cogn.		Pabst and Dungs (1975)		
		<i>Specklinia leucopyramis</i> (Rchb.f.) Luer		Schinini <i>et al.</i> (2008)		
		<i>Trichosalpinx pterophora</i> (Cogn.) Luer		Barros <i>et al.</i> (2013)		
E		<i>P. matinhensis</i> (Hoehne) Luer	L.B. Smith and R.M. Klein 13043 (US)	Barros <i>et al.</i> (2013)	FOD	Forest interior.
		<i>Pleurothallis matinhensis</i> Hoehne		Pabst and Dungs (1975)		
		<i>Specklinia matinhensis</i> (Hoehne) Luer		Reis <i>et al.</i> (2011)		
E		<i>P. mirabilis</i> (Schltr.) Brieger & Senghas	R.M. Klein 3013 (FLOR)	Schinini <i>et al.</i> (2008)	FOD	Forest interior.
		<i>Pleurothallis mirabilis</i> Schltr.		Klein (1979)		
E		<i>P. mouraeoides</i> (Hoehne) Luer	R.M. Klein 9590 (FLOR)	Schinini <i>et al.</i> (2008)	FOD	Forest interior.
		<i>Pleurothallis mouraeoides</i> Hoehne		Pabst and Dungs (1975)		
		<i>Specklinia mouraeoides</i> (Hoehne) F. Barros		Reis <i>et al.</i> (2011)		
E		<i>P. parvifolia</i> (Lindl.) Luer	R.M. Klein 9394 (FLOR)	Schinini <i>et al.</i> (2008)	FOD	Forest interior.
		<i>Specklinia parvifolia</i> (Lindl.) Pridgeon & M. W. Chase		Reis <i>et al.</i> (2011)		
		<i>P. pleurothalloides</i> (Cogn.) Luer	A.L. Gasper 1462 (FURB)	Barros <i>et al.</i> (2013)	FOD	Forest interior.
		<i>P. podoglossa</i> (Hoehne) Luer	T.J. Cadorin 1195 (FURB)	Barros <i>et al.</i> (2013)	FOD	Forest interior.
		<i>Specklinia podoglossa</i> (Hoehne) Luer		Reis <i>et al.</i> (2011)		
E	*	<i>P. punctatifolia</i> (Barb. Rodr.) Chiron	C.E. Siqueira 247 (FLOR)	Schinini <i>et al.</i> (2008)	FOD	Forest interior.
		<i>Pleurothallis punctata</i> Lindl.		Pabst (1957)		
E		<i>P. quadridentata</i> (Barb. Rodr.) Luer	R. Reitz and R.M. Klein 2827 (US)	Schinini <i>et al.</i> (2008)	FOD	Forest interior.
		<i>Pleurothallis mouraei</i> Cogn.		Klein (1979)		
		<i>Specklinia quadridentata</i> (Barb. Rodr.) Luer		Reis <i>et al.</i> (2011)		
E		<i>P. rubrolineata</i> (Hoehne) Luer	R. Reitz and R.M. Klein 1146 (HBR)	Barros <i>et al.</i> (2013)	FOD	Forest interior.
		<i>Pleurothallis rubrolineata</i> Hoehne		Klein (1979)		
		<i>Specklinia rubrolineata</i> (Hoehne) F. Barros		Reis <i>et al.</i> (2011)		
E		<i>P. seriata</i> (Lindl.) F. Barros & C.F.Hall	T.J. Cadorin 1562 (FURB)	Barros <i>et al.</i> (2013)	FOD	Forest interior.
		<i>Panmorphia seriata</i> (Lindl.) Luer		Schinini <i>et al.</i> (2008)		
		<i>Specklinia seriata</i> (Lindl.) Pridgeon & M. W. Chase		Reis <i>et al.</i> (2011)		
E		<i>P. sordida</i> (Kraenzl.) Luer	R.M. Klein 3106 (HB)	Schinini <i>et al.</i> (2008)	FOD	Forest interior.
		<i>Trichosalpinx sordida</i> (Kraenzl.) Luer		Reis <i>et al.</i> (2011)		
E	*	<i>P. stictophylla</i> (Schltr.) Luer	R.M. Klein 7073 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
		<i>Pleurothallis stictophylla</i> Schltr.		Klein <i>et al.</i> (1978)		

TABLE 1. *Continued.*

	NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
E	<i>P. trifida</i> (Lindl.) Luer <i>Pleurothallis trifida</i> Lindl. <i>Pleurothallis bicristata</i> Cogn.	A. Bresolin 867 (FLOR)	Schinini <i>et al.</i> (2008) Klein <i>et al.</i> (1978) Pabst (1954)	FOD	Forest interior.
E	<i>P. tripterantha</i> (Rchb.f.) F. Barros <i>Pleurothallis procumbens</i> Lindl.	Reis <i>et al.</i> (2011)	Pabst and Dungs (1975)	FOD	Forest interior.
E	<i>P. uniflora</i> (Lindl.) Luer <i>Pleurothallis leontoglossa</i> Rchb.f.	T.J. Cadorn 2102 (FURB)	Reis <i>et al.</i> (2011) Klein (1979)	FOD	Forest interior.
E	* <i>P. wawraerana</i> (Barb. Rodr.) Chiron & Ximenes Bolsanello <i>Pleurothallis cuneifolia</i> Cogn.	R. Reitz 585 (NY)	Chiron and Bolsanello (2010) Pabst (1954)	FOD	Forest interior.
<i>Phloeophila</i> Hoehne & Schltr.					
E	* <i>P. similis</i> Schltr. <i>Cryptophoranthus similis</i> Schltr.	Pabst (1952)	Pabst (1952)	FOD	
E	<i>P. nummularia</i> (Rchb.f.) Garay <i>P. echinantha</i> Barb. Rodr.	J.A. Rohr 21 (HBR)	Reis <i>et al.</i> (2011) Pabst (1952)	FOD	Forest interior.
<i>Platystele</i> Schltr.					
E	<i>P. oxyglossa</i> (Schltr.) Garay <i>P. pygmaea</i> (Hoehne) Pabst <i>Pleurothallis pygmaea</i> Hoehne	R.M. Klein 8120 (FLOR)	Reis <i>et al.</i> (2011) Klein <i>et al.</i> (1978) Pabst (1952)	FOD	Forest interior.
<i>Pleurobotryum</i> Barb. Rodr.					
E	<i>P. atropurpureum</i> Barb. Rodr.	L.B. Smith and R. Reitz 12817 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>P. crepianium</i> (Cogn.) Hoehne	R. Reitz and R.M. Klein 4914 (US)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	* <i>P. hatschbachii</i> (Schltr.) Hoehne	J.L. Schmitt 3004 (FURB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	* <i>P. mantiquyranum</i> (Barb. Rodr.) Hoehne	Schinini <i>et al.</i> (2008)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
<i>Specklinia</i> Lindl.					
E	<i>S. grobyi</i> (Batem. ex Lindl.) F. Barros <i>Pleurothallis grobyi</i> Batem.	R.M. Klein 3105 (FLOR)	Schinini <i>et al.</i> (2008) Klein (1979)	FOD	Forest interior.
E	<i>S. marginalis</i> (Rchb.f.) F. Barros <i>Pleurothallis biglandulosa</i> Schltr. <i>Pleurothallis marginalis</i> Rchb.f. <i>Pleurothallis marmorata</i> (Barb. Rodr.) Cogn.	R.M. Klein 8586 (FLOR)	Reis <i>et al.</i> (2011) Pabst (1954), Klein (1979) Menini Neto <i>et al.</i> (2007) Rohr (1951)	FOD	Forest interior.
<i>Stelis</i> Sw.					
E	<i>S. aprica</i> Lindl. <i>S. rodriguesii</i> Cogn.	S. Venturi 68 (FLOR)	Reis <i>et al.</i> (2011) Rohr (1951)	FOD	Forest interior.
E	+ <i>S. argentata</i> Lindl.	J.Z. Matos s.n. (FLOR44211)	JZ Matos (unpublished data)	FOD	Forest interior.
E	<i>S. catharinensis</i> Lindl.	B. Carriz s.n. (RB14531)	Pabst (1952)	FOD	Forest interior.
E	<i>S. deregularis</i> Barb. Rodr. <i>Pseudostelis bradei</i> Schltr. <i>P. deregularis</i> (Barb. Rodr.) Schltr <i>P. spiralis</i> (Lindl.) Schltr.	T.J. Cadorn 2742 (FURB)	Reis <i>et al.</i> (2011) Klein <i>et al.</i> (1978) Klein (1979) Schinini <i>et al.</i> (2008)	FOD	Forest interior. Riparian forest.
E	<i>S. fraterna</i> Lindl.	R.M. Klein 7873 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	* <i>S. intermedia</i> Poepp. & Endl. <i>S. dusenii</i> Garay <i>S. petropolitana</i> Rchb.f.	R.M. Klein 8351 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979) Pabst (1952)	FOD, FOM	Forest interior. Riparian forest.
E	<i>S. megantha</i> Barb. Rodr. <i>S. macrochlamys</i> Hoehne & Schltr.	R.M. Klein 9726 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)	FOD	Forest interior.
E	<i>S. papaverensis</i> Rchb.f. <i>S. epilithica</i> Garay <i>S. reflexisepala</i> Garay <i>S. smaragdina</i> Barb. Rodr. <i>S. tweediana</i> Lindl.	R.M. Klein 7578 (FLOR)	Reis <i>et al.</i> (2011) Pabst (1957) Klein <i>et al.</i> (1978) Klein <i>et al.</i> (1978) Klein (1979)	FOD	Forest interior.
E	<i>S. parvifolia</i> Garay	M. Lenzi 82 (FLOR)	Schinini <i>et al.</i> (2008)	FOD	Riparian forest.
E	<i>S. pauciflora</i> Lindl. <i>S. omalosantha</i> Barb. Rodr.	A. Bresolin 848 (FLOR)	Schinini <i>et al.</i> (2008) Pabst and Dungs (1975)	FOD	Forest interior.
E	<i>S. perpusilla</i> Cogn.	Schinini <i>et al.</i> (2008)	Reis <i>et al.</i> (2011)	FOD	
E	<i>S. porschiana</i> Schltr.	R.M. Klein 3022 (FLOR)	Reis <i>et al.</i> (2011)	FOD	

TABLE 1. *Continued.*

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
E		<i>S. reitzii</i> Garay	R. Reitz 9060 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>S. ruprechtiana</i> Rchb.f. <i>S. hoehnei</i> Schltr.	R.M. Klein 7583 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)		
		<i>Trichosalpinx</i> Luer				
E		<i>T. montana</i> (Barb. Rodr.) Luer <i>Pleurothallis lepanthipoda</i> Hoehne & Schltr. <i>P. quartzicola</i> (Barb. Rodr.) Cogn.	R.M. Klein 6259 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979) Menini Neto <i>et al.</i> (2007)	FOD	Forest interior.
E	+	<i>T. violacea</i> (Lem.) Luer <i>Pleurothallis catharinensis</i> Cogn. <i>Specklinia violacea</i> Lem.	Lemaire (1853)	Schinini <i>et al.</i> (2008) Lemaire (1853)	FOD	
		<i>Zootrophion</i> Luer				
E		<i>Z. atropurpureum</i> (Lindl.) Luer <i>Cryptophoranthus schenkii</i> Cogn.	W.S. Macinelli 1138 (UPCB)	Reis <i>et al.</i> (2011) Pabst and Dungs (1975)	FOD	Forest interior.
		Derived Epidendroideae, Ponerineae				
		<i>Isochilus</i> R. Br.				
E/R		<i>I. linearis</i> (Jacq.) R. Br. <i>I. brasiliensis</i> Schltr.	R.M. Klein 6108 (FLOR)	Klein <i>et al.</i> (1978) Klein (1979)	FOD, FOM	Forest interior.
		Derived Epidendroideae, Malaxideae				
		<i>Malaxis</i> Sol. ex Sw.				
T		<i>M. excavata</i> (Lindl.) Kuntze <i>Microstylis excavata</i> Lindl. <i>M. muelleri</i> Schltr. <i>M. sertulifera</i> (Barb. Rodr.) Schltr.	A. Bresolin 216 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979) Pabst (1953) Pabst (1953)	FOD, FOM	Interior or border of forest. Degraded areas.
T		<i>M. hisionantha</i> (Link) Garay & Dunst.	Barros <i>et al.</i> (2013)	Reis <i>et al.</i> (2011)	FOD	
T	VU	<i>M. jaraguae</i> (Hoehne & Schltr.) Pabst <i>Microstylis jaraguae</i> Hoehne & Schltr.	M. Verdi 3706 (FURB)	Reis <i>et al.</i> (2011) Pabst (1953)	FOD, FOM	Forest interior.
		<i>M. pabstii</i> (Schltr.) Pabst <i>Microstylis pabstii</i> Schltr.	Pabst 842 (HB)	Reis <i>et al.</i> (2011) Pabst (1953)	FOD	
T		<i>M. parthonii</i> C.Morren <i>Microstylis parthoni</i> (C. Morren) Klotzsch	R. Reitz 4575 (HBR)	Reis <i>et al.</i> (2011) Pabst (1957)	FOD	Forest interior.
T		<i>M. pubescens</i> (Lindl.) Kuntze <i>Microstylis pubescens</i> Lindl.	L.B. Smith and R. Reitz 6162 (US)	Reis <i>et al.</i> (2011) Pabst (1954)	FOD	
T	+	<i>M. warmingii</i> (Rchb.f.) Kuntze	J.L. Schmitt 1406 (FURB)		FOD, FOM	Forest interior.
		<i>Liparis</i> Rich.				
T		<i>L. nervosa</i> (Llave & Lex.) Cogn. <i>L. elata</i> Lindl.	R.M. Klein 7116 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)	FOD, FOM, RST	Interior or border of forest. Degraded areas.
T	*	<i>L. vexillifera</i> (La Llave and Lex.) Cogn.	Reis <i>et al.</i> (2011)		FOD	Interior or border of forest. Degraded areas.
		Derived Epidendroideae, Sobralieae				
		<i>Elleanthus</i> C.Presl				
E/R		<i>E. brasiliensis</i> (Lindl.) Rchb.f.	J.A. Rohr 741 (HB)	Reis <i>et al.</i> (2011)	FOD, FOM	Forest interior. Riparian forest.
		Derived Epidendroideae, Triphoreae, Triphorinae				
		<i>Psilochilus</i> Barb. Rodr.				
T		<i>P. modestus</i> Barb. Rodr.	M. Lenzi 73 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Forest interior.
T		<i>P. dusenianus</i> Kraenzl. ex Dunsterv. and Garay	R.M. Klein 10023 (FLOR)	Reis <i>et al.</i> (2011)	FOD, FOM	Forest interior.
		Derived Epidendroideae, Tropideae				
		<i>Corymborkis</i> (Sw.) O. Kuntze.				
		<i>C. flava</i> (Sw.) O. Kuntze.	R.M. Klein 7296 (FLOR)	Reis <i>et al.</i> (2011)	FED, FOD	Interior or border of forest.
		Derived Epidendroideae, Dendrobieae, Bulbophyllinae				
		<i>Bulbophyllum</i> Thouars				
E	*	<i>B. gladiatum</i> Lindl. <i>B. laciniatum</i> (Barb. Rodr.) Cogn.	A. Bresolin 259 (FLOR)	Mancinelli and Smidt (2012) Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>B. glutinosum</i> (Barb. Rodr.) Cogn.	R.M. Klein 9654 (FLOR)	Mancinelli and Smidt (2012)	FOD, FOM	Forest interior.

TABLE 1. *Continued.*

	NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
E	<i>B. granulosum</i> Barb. Rodr.	J.L. Schmitt 147 (FURB)	Mancinelli and Smidt (2012)	FOD, FOM	Forest interior. Riparian forest.
E	* <i>B. mentosum</i> Barb. Rodr.	J.A. Rohr 2133 (HB)	Mancinelli and Smidt (2012)	FOD	Forest interior.
E	<i>B. meridense</i> Rchb.f.	A. Bresolin 264 (FLOR)	Mancinelli and Smidt (2012)	FOD	Forest interior.
E	<i>B. napelli</i> Lindl.	R.M. Klein 10486 (FLOR)	Mancinelli and Smidt (2012)	FOD, FOM	Forest interior.
E	<i>B. regnellii</i> Rchb.f.	R.M. Klein 5543 (FLOR)	Mancinelli and Smidt (2012)	FOD, FOM	Forest interior. Riparian forest.
Derived Epidendroideae, Cymbidiaceae, Catasetinae					
<i>Grobysa</i> Lindl.					
E	<i>G. amherstiae</i> Lindl.	A. Bresolin 546 (FLOR)	Reis <i>et al.</i> (2011)	FOD, FOM	Forest interior.
E	<i>G. fascifera</i> Rchb.f.	A. Bresolin 210 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>G. bibrachiata</i> Hoehne		Klein (1979)		
E	# <i>G. guieselii</i> F. Barros & Lourenço	A. Guiesel s.n. (SP351685)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>G. galeata</i> Lindl.	W.S. Macinelli 1184 (UPCB)	Reis <i>et al.</i> (2011)	FOD, FOM	Forest interior.
<i>Galeandra</i> Lindl.					
T	<i>G. beyrichii</i> Rchb.f.	A.L. Gasper 1370 (FURB)	Reis <i>et al.</i> (2011)	FED, FOM	Forest interior.
T	* <i>G. stylomisantha</i> (Vell.) Hoehne	Schinini <i>et al.</i> (2008)	Reis <i>et al.</i> (2011)	FOD	Dry soil. Grasslands.
<i>Catasetum</i> Rich. ex Kunth					
T	<i>C. atratum</i> Lindl.	D.B. Falkenberg 5552 (FLOR)	Reis <i>et al.</i> (2011)	FOD	
E	<i>C. cernuum</i> (Lindl.) Rchb.f.	A. Bresolin 54 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior. Riparian forest.
E	<i>C. rohrii</i> Pabst		Rohr (1951), Pabst (1953)		
E	<i>C. triodon</i> Rchb.f.	F.C. Hoehne s.n. (SP35116)	Pabst (1953)	FOD	
E	<i>C. socco</i> (Vell.) Hoehne	G. Carr s.n. (SP426578)	Klein (1979)	FOD	
E	<i>C. fimbriatum</i> (C.Morren) Lindl.	Pabst and Dungs (1975)	Reis <i>et al.</i> (2011)	FOD	
<i>Cyrtopodium</i> R. Br.					
T	<i>C. brandonianum</i> Barb. Rodr.	J.A.N. Batista 1444 (CEN)	Romero-González <i>et al.</i> (2008)	FOD	
T	<i>C. flavum</i> Link & Otto ex Rchb.f.	R.M. Klein 6301 (FLOR)	Batista <i>et al.</i> (2005)	FOD, RST	Border forest. Grasslands.
E	<i>C. paranaense</i> Schltr.		Klein (1979)		
E	<i>C. gigas</i> (Vell.) Hoehne	Pabst (1953)	Romero-González <i>et al.</i> (2008)	FOD	Forest interior.
T	<i>C. kleinii</i> J.A.N.Batista & Bianchetti	J.A.N. Batista 1443 (SP)	Romero-González <i>et al.</i> (2008)	FOD	Forest interior.
T	* <i>C. pallidum</i> Rchb.f. & Warm.	L.B. Smith 13337 (NY)	Batista <i>et al.</i> (2005)	FOD	
T	VU <i>C. palmifrons</i> Rchb.f. & Warm.	L.B. Smith and R. M. Klein 13152 (MO)	Romero-González <i>et al.</i> (2008)	FOD	
T	+ <i>C. parviflorum</i> Lindl.	A. Bresolin 479 (FLOR)		FOD	Grasslands.
Derived Epidendroideae, Cymbidiaceae, Eulophiinae					
<i>Cyanaeorchis</i> Barb. Rodr.					
T	<i>C. arundinae</i> (Rchb.f.) Barb. Rodr.	R.M. Klein 3505 (FLOR)	Klein (1979)	FOD	Moist or sodden soils. Grasslands.
<i>Eulophia</i> R. Br.					
T	<i>E. alta</i> (L.) Fawc. & Rendle	R.M. Klein 8623 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Border forest. Grasslands.
T	<i>E. longifolia</i> Schltr.		Klein (1979)		
T	+ <i>E. ruwenzoriensis</i> Rendle	R.M. Klein 4488 (HBR)		FOD	Forest border.
<i>Oeceoclades</i> Lindl.					
T	<i>O. maculata</i> (Lindl.) Lindl.	R.M. Klein 8237 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Border forest. Open areas or grasslands.
	<i>Eulophidium maculatum</i> (Lindl.) Pfitzer		Klein <i>et al.</i> (1978)		
Derived Epidendroideae, Cymbidiaceae, Oncidiinae					
<i>Alatiglossum</i> Baptista					
E	<i>A. ciliatum</i> (Lindl.) Baptista	R.M. Klein 8664 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Interior or border of forest.
E	<i>Oncidium ciliatum</i> Lindl.		Schinini <i>et al.</i> (2008)		
E	<i>A. longipes</i> (Lindl.) Baptista	C.E. Siqueira 197 (FLOR)	Schinini <i>et al.</i> (2008)	FOD, RST	Forest interior.
E	<i>Oncidium longipes</i> Lindl.		Pabst and Dungs (1977)		
E	<i>A. micropogon</i> (Rchb.f.) Baptista	A. Bresolin 124 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
	<i>Oncidium micropogon</i> Rchb. f		Schinini <i>et al.</i> (2008)		

TABLE 1. *Continued.*

	NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
E	A. uniflorum (Booth.) Baptista <i>Oncidium uniflorum</i> Booth.	R.M. Klein 6975 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)	FOD	Riparian forest.
E	* A. cogniauxianum (Schltr.) Baptista <i>Aspasia</i> Lindl.	A. Bresolin 452 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest border.
E	A. lunata Lindl.	R.M. Klein 10718 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
	Baptistonia Barb. Rodr.				
E	B. albinol (Schltr.) Chiron & V.P. Castro <i>Oncidium albinol</i> Schltr.	F. Plaumann 425 (RB)	Barros <i>et al.</i> (2013) Reis <i>et al.</i> (2011)	FOD	
E	B. cornigera (Lindl.) Chiron & V.P. Castro <i>Oncidium fimbriatum</i> Lindl. <i>O. hecatanthum</i> Kraenzl.	R.M. Klein 10708 (FLOR)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008) Klein (1979)	FOD	Forest interior. Riparian forest.
E	+ B. cruciata (Rchb.f.) Chiron & V.P. Castro <i>Oncidium cruciatum</i> Rchb.f.	A. Bresolin 559 (FLOR)	Pabst (1953)	FOD	Forest interior.
E	+ B. lietzei (Regel) Chiron & V.P. Castro <i>O. lietzei</i> Regel	J.Z. Matos 84 (FLOR)	Pabst and Dungs (1977)	FOD	Forest interior.
E	* B. riograndensis (Cogn.) Chiron & V.P. Castro <i>Oncidium riograndense</i> Cogn.	R.M. Klein 10082 (FLOR)	Docha Neto and Baptista (2011) Klein (1979)	FED, FOD, FOM	Forest interior.
E	B. venusta (Drapiez) Chiron <i>Oncidium trulliferum</i> Lindl.	R.M. Klein 10962 (FLOR)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD	Forest interior.
	Brasilidium Campacci				
E	B. concolor (Hook.) F. Barros & V.T. Rodrigues <i>Oncidium concolor</i> Hook. <i>O. ottonis</i> Schltr.	R.M. Klein 9731 (FLOR)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008) Pabst and Dungs (1977)	FOM	Forest interior. Riparian forest.
E	B. crispum (Lodd.) Campacci <i>Oncidium crispum</i> Lodd.	R.M. Klein 7094 (FLOR)	Klein (1979)	FOD	Forest interior. Riparian forest.
E	* B. gardneri (Lindl.) Campacci <i>Oncidium gardneri</i> Lindl.	R.M. Klein 10557 (FLOR)	Docha Neto and Baptista (2011) Klein (1979)	FOD	Forest border. Riparian forest.
E	B. gravesianum (Rolfe) Campacci <i>Oncidium gravesianum</i> Rolfe	M. Sakane s.n. (SP154651)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD	Forest interior.
E	CR B. pectorale (Lindl.) Campacci <i>Oncidium pectorale</i> Lindl.	A. Seidel s.n. (HB)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD	Forest interior.
E	* B. praetextum (Rchb.f.) Campacci	T.J. Cadorn 1372 (FURB)	Docha Neto and Baptista (2011)	FOD, FOM	Forest interior.
	Capanemia Barb. Rodr.				
E	C. adelaidae Brade	C.R. Buzatto 420 (ICN)	Reis <i>et al.</i> (2011)	FOD, FOM	Forest interior.
E	C. angustilabia Schltr.	Pabst and Dungs (1977)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	C. australis (Kraenzl.) Schltr.	R.M. Klein 5547 (MBM)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	C. gehrtii Hoehne	J. Caetano s.n. (FURB36261)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	C. micromera Barb. Rodr.	R.M. Klein 3061 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	C. superflua (Rchb.f.) Garay <i>C. uliginosa</i> Barb. Rodr.	R.M. Klein 4235 (FLOR)	Reis <i>et al.</i> (2011) Pabst (1953)	FOD	Forest interior.
E	C. thereziae Barb. Rodr.	A. Korte 85 (FURB)	Reis <i>et al.</i> (2011)	FOD, FOM	Forest interior.
	Coppensia Dumort.				
E	C. bifolia (Sims) Dumort <i>Oncidium bifolium</i> Sims	R. Reitz and R.M. Klein 14323 (US)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD	Forest interior.
R/T	C. blanchetii (Rchb.f.) Campacci <i>Oncidium blanchetii</i> Rchb.f.	Docha Neto and Baptista (2011)	Schinini <i>et al.</i> (2008)	FOD	Grasslands. Moist soil.
T	C. doniana (Bateman ex W. Baxter) Campacci <i>Oncidium donianum</i> Bateman ex W. Baxter		Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD	Grasslands. Moist soil.
E/R/T	C. flexuosa (Sims) Campacci <i>Oncidium flexuosum</i> Sims	Pabst (1953) R.M. Klein 6895 (FLOR)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD, FOM	Interior or border of forest.

TABLE 1. *Continued.*

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
T		<i>C. fuscans</i> (Rchb.f.) Campacci <i>Oncidium fuscans</i> Rchb.f.	R.M. Klein 4491 (FLOR)	Reis <i>et al.</i> (2011) Pabst and Dungs (1977)	FOD	Grasslands.
T		<i>C. hydrophila</i> (Barb. Rodr.) Campacci	Pabst and Dungs (1977)	Docha Neto and Baptista (2011)	FOD	Grasslands. Moist soil.
E	+	<i>C. hookeri</i> (Rolfe) F. Barros & L. Guimarães <i>Oncidium hookeri</i> Rolfe	J.L. Schmitt 1531 (FURB)	Hoehne (1949)	FOD, FOM	Interior da Mata. Riparian forest.
E		<i>C. loefgrenii</i> (Cogn.) F. Barros & V.T. Rodrigues	R.M. Klein 10882 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior. Riparian forest.
E		<i>C. loefgrenii</i> (Cogn.) F. Barros & V.T. Rodrigues <i>Oncidium loefgrenii</i> Cogn.	R.M. Klein 10882 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)	FOD	Forest interior. Riparian forest.
E		<i>C. longicornu</i> (Mutel) F. Barros & V.T. Rodrigues <i>Oncidium longicornu</i> Mutel	L.B. Smith 12807 (FLOR)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD	Forest interior.
E	VU	<i>C. macronyx</i> (Rchb.f.) F. Barros & V.T. Rodrigues <i>Oncidium macronyx</i> Rchb.f. <i>Rhinocidium macronyx</i> (Rchb.f.) Baptista	H.D. Bicalho s.n. (SP330871)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008) Docha Neto and Baptista (2011)	FED, FOM	Forest interior.
T		<i>C. montana</i> (Barb. Rodr.) Campacci <i>Oncidium pirarense</i> Rchb.f.	R. Reitz 7754 (FLOR)	Docha Neto and Baptista (2011) Schinini <i>et al.</i> (2008)	FOD	Grasslands. Moist soil.
E		<i>C. paranaensis</i> (Kraenzl.) F. Barros & V.T. Rodrigues <i>Oncidium hatschbachii</i> Schltr. <i>O. paranaense</i> Kraenzl. <i>Rhinocidium paranaense</i> (Kraenzl.) Docha Neto	L.B. Smith 13684 (FLOR)	Reis <i>et al.</i> (2011) Pabst (1952) Schinini <i>et al.</i> (2008) Docha Neto and Baptista (2011)	FED, FOM	Forest interior. Riparian forest.
E		<i>C. ranifera</i> (Lindl.) F. Barros & V.T. Rodrigues <i>Oncidium raniferum</i> Lindl. <i>Rhinocidium raniferum</i> (Lindl.) Baptista	M. Verdi 584 (FURB)	Schinini <i>et al.</i> (2008) Docha Neto and Baptista (2011)	FOD, FOM	Forest interior.
Gomesa R. Br.						
E		<i>G. barkeri</i> (Hook.) Regel	A. Bresolin 719 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>G. crispa</i> (Lindl.) Klotzsch & Rchb.f.	R.M. Klein 7347 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>G. divaricata</i> Hoffmanns. ex Schltr.	R. Reitz 4101 (FLOR)	Reis <i>et al.</i> (2011)	FOD, FOM	Forest interior.
E		<i>G. duseniana</i> Kraenzl.	R.M. Klein 10030 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>G. fischeri</i> Regel	R.M. Klein 6703 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Interior or border of forest.
E		<i>G. glaziovii</i> Cogn.	J.Z. Matos s.n. (FLOR38469)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>G. gomezoides</i> (Barb. Rodr.) Pabst <i>Rodrigueziella gomezoides</i> (Barb. Rodr.) Pabst <i>Theodorea gomezoides</i> Barb. Rodr.	A. Bresolin 451 (FLOR)	Reis <i>et al.</i> (2011) Docha Neto and Baptista (2011) Klein (1979)	FOD	Forest interior.
E		<i>G. handroi</i> (Hoehne) Pabst <i>Rodrigueziella handroi</i> (Hoehne) Pabst	J. Caetano s.n. (FURB36288)	Reis <i>et al.</i> (2011) Docha Neto and Baptista (2011)	FOD	Forest interior.
E		<i>G. laxiflora</i> (Lindl.) Rchb.f.	R.M. Klein 8068 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>G. paranaensis</i> Kraenzl.	R.M. Klein 7399 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>G. planifolia</i> (Lindl.) Kl. & Rchb.f.	F. Plaumann 285 (RB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>G. recurva</i> R.Br.	T.J. Cadorin 808 (FURB)	Reis <i>et al.</i> (2011)	FED, FOD, FOM	Forest interior.
Grandiphyllum Docha Neto						
E	VU	* <i>G. divaricatum</i> (Lindl.) Docha Neto <i>Oncidium divaricatum</i> Lindl.	R. Reitz and R.M. Klein 7573 (US)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FED, FOD	Forest interior.
E		<i>G. edwallii</i> (Cogn.) Docha Neto <i>Oncidium edwallii</i> Cogn.	Pabst and Dungs (1977)	Pabst (1957)	FOD	
E	VU	* <i>G. hians</i> (Lindl.) Docha Neto	M. Verdi 4092 (FURB)	Docha Neto and Baptista (2011)	FOD	Forest interior.
E		<i>G. pulvinatum</i> (Lindl.) Docha Neto <i>Oncidium pulvinatum</i> Lindl.	F. Plaumann 278a (RB)	Reis <i>et al.</i> (2011) Docha Neto and Baptista (2011)	FOD	
E		* <i>G. sphegiferum</i> (Lindl.) Docha Neto	Docha Neto and Baptista (2011)		FOD	

TABLE 1. *Continued.*

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
		<i>Ionopsis</i> Kunth				
E		<i>I. utricularioides</i> (Sw.) Lindl.	A. Schwacke 4995 (RB)	Reis <i>et al.</i> (2011)	FOD	
		<i>I. gardneri</i> Lindl.		Pabst (1953)		
		<i>I. paniculata</i> Lindl.		Klein (1979)		
		<i>Lockhartia</i> Hook.				
E		<i>L. ludibunda</i> Rchb.f.	A.C. Brade 43785 (RB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		<i>L. lunifera</i> (Lindl.) Rchb.f.	A. Bresolin 488 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
		<i>Miltonia</i> Lindl.				
E		<i>M. flavesceus</i> (Lindl.) Lindl.	R.M. Klein 9801 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Border forest.
E		<i>M. regnellii</i> Rchb.f.	R.M. Klein 7170 (FLOR)	Klein (1979)	FOD	Forest interior. Riparian forest.
E		<i>M. russelliana</i> (Lindl.) Lindl.	A Schwacke s.n. (RB37191)	Pabst and Dungs (1977)	FOD	
		<i>Anneliesia russelliana</i> (Lindl.) Senghas & Lückel		Reis <i>et al.</i> (2011)		
		<i>Notylia</i> Lindl.				
E		<i>N. hemitricha</i> Barb. Rodr.	R.M. Klein 10081 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior. Riparian forest.
E		<i>N. lyrata</i> S. Moore	R.M. Klein 8198 (FLOR)	Klein <i>et al.</i> (1978)	FOD	Forest interior.
E		<i>N. pubescens</i> S. Moore	J.Z. Matos 42 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	*	<i>N. sagittifera</i> Link	N. P. Dusén 9853 (S)	Reis <i>et al.</i> (2011)	FOD	
		<i>Ornithocephalus</i> Hook.				
E	*	<i>O. brachystachys</i> Schltr.	Klein <i>et al.</i> (1978)	Reis <i>et al.</i> (2011)	FOD	
E		<i>O. myrticola</i> Lindl.	R.M. Klein 8197 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Interior or border of forest.
		<i>Oreizii</i> Pabst		Pabst (1953)		
		<i>Ornithophora</i> Barb. Rodr.				
E		<i>O. radicans</i> (Rchb.f.) Garay and Pabst	A. Korte 2212 (FURB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
		<i>Phymatidium</i> Lindl.				
E		<i>P. aquinoi</i> Schltr.	T.J. Cadorin 814 (FURB)	Toscano de Brito (2007)	FOD	Forest interior.
E		<i>P. delicatulum</i> Lindl.	A. Bresolin 417 (FLOR)	Pabst and Dungs (1977)	FOD, FOM	Interior or border of forest.
		<i>P. myrtophilum</i> Barb. Rodr.		Schinini <i>et al.</i> (2008)		
		<i>P. paranaense</i> A. Samp.		Schinini <i>et al.</i> (2008)		
E		<i>P. falcifolium</i> Lindl.	R.M. Klein 10677 (FLOR)	Klein (1979)	FOD	Interior or border of forest.
		<i>P. tillandsioides</i> Barb. Rodr.		Klein <i>et al.</i> (1978)		
E	*	<i>P. hysteranthum</i> Barb. Rodr.	A. Stival-Santos 1498 (FURB)	Reis <i>et al.</i> (2011)	FOD, FOM	Interior or border of forest. Riparian forest.
E		<i>P. microphyllum</i> (Barb. Rodr.) Toscano	R. Reitz 5490 (HB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
		<i>P. herteri</i> Schltr.		Klein (1979)		
		<i>Platyrrhiza</i> Barb. Rodr.				
E		<i>P. quadricolor</i> Barb. Rodr.	A. Bresolin 41 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
		<i>Rodriguezia</i> Ruiz & Pav.				
E		<i>R. bracteata</i> (Vell.) Hoehne	A. Stival-Santos 3085 (FURB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E/R		<i>R. decora</i> (Lem.) Rchb.f.	C.E. Siqueira 319 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Interior or border of forest.
E	+	<i>R. venusta</i> Rchb.f.	A. Korte 5053 (FURB)		FOD, RST	Forest interior.
		<i>Rodrigueziopsis</i> Schltr.				
E		<i>R. eleutherosepala</i> (Barb. Rodr.) Schltr.	A. Korte 1551 (FURB)	Reis <i>et al.</i> (2011)	FOD, FOM	Forest interior. Riparian forest.
		<i>Trichocentrum</i> Poepp. & Endl.				
E		<i>T. fuscum</i> Lindl.	Pabst and Dungs (1977)	Reis <i>et al.</i> (2011)	FOD	Forest interior. Riparian forest.
		<i>Trizeuxis</i> Lindl.				
E		<i>T. falcata</i> Lindl.	R. Reitz 10275 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Border forest.
		<i>Warmingia</i> Rchb.f.				
E		<i>W. eugenii</i> Rchb.f.	T.J. Cadorin 922 (FURB)	Klein (1979)	FOD	Forest interior.
		<i>Zygostates</i> Lindl.				
E		<i>Z. alleniana</i> Kraenzl.	R.M. Klein 8099 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Forest interior.
E	VU	<i>Z. bradei</i> (Schltr.) Garay	Barros <i>et al.</i> (2013)		FOD	Forest interior.
E		<i>Z. cornuta</i> Lindl.	A.L. Gasper 88 (FURB)	Barros <i>et al.</i> (2013)	FOD, FOM	Forest interior.
E		<i>Z. dasyrhiza</i> (Kraenzl.) Schltr.	A. Korte 1173 (FURB)	Schinini <i>et al.</i> (2008)	FOD, FOM	Forest interior.
		<i>Z. paranaensis</i> Schltr.		Pabst (1953)		
E	*	<i>Z. lunata</i> Lindl.	S. Dreveck 1678 (FURB)	Schinini <i>et al.</i> (2008)	FOD	Forest interior.
E		<i>Z. pellucida</i> Rchb.f.	M. Verdi 2773 (FURB)	Barros <i>et al.</i> (2013)	FOD	Forest interior.
		<i>Dipteranthus pellucidus</i> (Rchb.f.) Cogn.		Schinini <i>et al.</i> (2008)		

TABLE 1. Continued.

	NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
E	Z. pustulata (Kraenzl.) Schltr. <i>Dipteranthus pustulatus</i> (Kraenzl.) Pabst	R.M. Klein 10477 (FLOR)	Barros et al. (2013) Schinini et al. (2008)	FOD, FOM	Forest interior.
Derived Epidendroideae, Cymbidieae, Maxillariinae					
Bifrenaria Lindl.					
E	B. aureofulva Lindl.	R.M. Klein 10890 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E	B. harrisoniae (Hook.) Rchb.f.	J.Z. Matos 7 (FLOR)	Reis et al. (2011)	FOD, FOM	Forest interior.
E	B. inodora Lindl.	A. Bresolin 1108 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E/R	B. tetragona (Lindl.) Schltr. Brasiliorchis R.B. Singer et al.	A. Bresolin 115 (FLOR)	Reis et al. (2011)	FOD	Forest interior.
E/R	B. chrysantha (Barb. Rodr.) R.B. Singer et al.	R.M. Klein 3026 (FLOR)	Reis et al. (2011)	FOD	Interior or border of forest.
E/R	<i>Maxillaria chrysantha</i> Barb. Rodr. B. gracilis (Lodd.) R.B. Singer et al.	J.Z. Matos 55 (FLOR)	Schinini et al. (2008) Docha Neto and Baptista (2011)	FOD	Interior or border of forest. Riparian forest.
E	B. marginata (Lindl.) R.B. Singer et al. <i>Maxillaria marginata</i> (Lindl.) Fenzl	A. Bresolin 40 (FLOR)	Reis et al. (2011) Schinini et al. (2008)	FOD	Forest interior. Riparian forest.
E	B. picta (Hook.) R.B. Singer et al.	J.Z. Matos 98 (FLOR)	Docha Neto and Baptista (2011) Schinini et al. (2008)	FOD, FOM	Forest interior.
E	B. porphyrostele (Rchb.f.) R.B. Singer et al. <i>Maxillaria porphyrostele</i> Rchb.f.	R. Reitz 15331 (FLOR)	Reis et al. (2011) Klein (1979)	FOD	Forest interior.
Camaridium Lindl.					
E	C. carinatum (Barb. Rodr.) Hoehne <i>C. hoehnei</i> Pabst <i>Maxillaria imbricata</i> Barb. Rodr. <i>M. jenischiana</i> (Rchb.f.) C. Schweinf.	T.J. Cadorin 37 (FLOR)	Reis et al. (2011) Klein (1979) Schinini et al. (2008) Klein et al. (1978)	FOD	Forest interior.
E	C. micranthum M.A. Blanco <i>Maxillaria parviflora</i> (Poepp. & Endl.) Garay <i>Ornithidium parviflorum</i> (Poepp. & Endl.) Rchb.f. <i>Pseudomaxillaria chloroleuca</i> (Rchb.f.) Hoehne	R.R.B. Negrelle A874 (UPCB)	Reis et al. (2011) Schinini et al. (2008) Klein (1979) Pabst (1959)	FOD	Forest interior. Riparian forest.
Christensonella Szlach. et al.					
E	C. ferdinandiana (Barb. Rodr.) Szlach. et al. <i>Maxillaria ferdinandiana</i> Barb. Rodr.	D.B. Falkenberg 6299-a (FLOR)	Reis et al. (2011) Schinini et al. (2008)	FOD	Forest interior.
E	C. neuwiedii (Rchb.f.) S.Koehler <i>Maxillaria neuwiedii</i> Rchb.f. <i>M. vernicosa</i> Barb. Rodr.	R. Reitz 10202 (FLOR)	Reis et al. (2011) Schinini et al. (2008) Klein (1979)	FOD, FOM	Forest interior.
E	C. pachyphylla (Schltr. ex Hoehne) Szlach. et al. <i>Maxillaria pachyphylla</i> Schltr.	A.C. Brade 43518 (RB)	Barros et al. (2013) Pabst and Dungs (1977)	FOD	Forest interior.
E	C. paranaensis (Barb. Rodr.) S.Koehler <i>Maxillaria juergensii</i> Schltr.	M. Lenzi 17 (FLOR)	Reis et al. (2011) Schinini et al. (2008)	FOD, FOM	Forest interior.
E	C. pumila (Hook.) Szlach. et al. <i>Maxillaria plebeja</i> Rchb.f. <i>M. pumila</i> Hook.	Pabst (1953)	Reis et al. (2011) Schinini et al. (2008) Schinini et al. (2008)	FOD	Forest interior.
E	C. subulata (Lindl.) Szlach. et al. <i>Maxillaria mosenii</i> Kraenzl. <i>M. subulata</i> Lindl.	R.M. Klein 9843 (FLOR)	Reis et al. (2011) Klein (1979) Pabst (1953)	FOD	Forest interior. Riparian forest.
Heterotaxis Lindl.					
R	H. brasiliensis (Brieger & Illg) F. Barros <i>Maxillaria brasiliensis</i> Brieger & Illg	J.Z. Matos 145 (FLOR)	Reis et al. (2011) Schinini et al. (2008)	FOD	Forest interior.
E	+ H. discolor (G. Lodd. ex Lindl.) Ojeda & Carnevali <i>Maxillaria discolor</i> (Lindley) Rchb.f.	R.M. Klein 8484 (FLOR)	Klein (1979)	FOD	Forest interior.

TABLE 1. *Continued.*

		NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
E		H. valenzuelana (A.Rich.) F. Barros <i>Marsipitaria valenzuelana</i> (A. Rich.) Garay <i>M. iridifolia</i> (Bateman ex Rchb.f.) Rchb.f. <i>Maxillaria valenzuelana</i> (A. Rich.) Nash Lophiaris (Lindl.) Braem	R.M. Klein 137 (FLOR)	Reis <i>et al.</i> (2011) Pabst (1953) Klein <i>et al.</i> (1978) Schinini <i>et al.</i> (2008)	FOD	Forest interior. Riparian forest.
E		L. pumila (Lindl.) Braem <i>Oncidium pumilum</i> Lindl. <i>Trichocentrum pumilum</i> (Lindl.) M.W. Chase & N.H. Williams Mapinguari Carnevali & R.B. Singer	C.E. Siqueira 30 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979) Schinini <i>et al.</i> (2008)	FED, FOD, FOM	Forest border. Riparian forest. Degraded areas.
E		M. desvauxianus (Rchb.f.) Carnevali & R.B. Singer <i>Maxillaria desvauxiana</i> Rchb.f. Maxillaria Ruiz & Pav.	Pabst and Dungs (1977)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD	
E	#	M. binoti De Wild.	Barros <i>et al.</i> (2013)			
E		M. bradei Schltr. ex Hoehne	M. Lenzi 42 (FLOR)	Reis <i>et al.</i> (2011)		
E		M. chlorantha Lindl.	A. Bresolin 470 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		M. leucaimata Barb. Rodr.	J.Z. Matos 74 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Forest interior.
E		M. lindleyana Schltr. <i>M. crocea</i> Lindl.	R.M. Klein 9844 (FLOR)	Docha Neto and Baptista (2011) Klein (1979)	FOD	Forest interior.
E		M. ochroleuca Lodd. ex Lindl. Maxillariella M.A. Blanco	A. Bresolin 864 (FLOR)	Klein (1979)	FOD	Forest interior.
E		M. robusta (Barb. Rodr.) M.A. Blanco & Carnevali <i>Maxillaria johannis</i> Pabst Mormolyca Frenzl	R. Reitz 6211 (FLOR)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FED, FOD	Forest interior. Riparian forest.
E		M. cleistogama (Brieger & Illg) M.A. Blanco <i>Maxillaria cleistogama</i> Brieger & Illg	J. Caetano s.n. (FURB36888)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD	Forest interior. Riparian forest.
E		M. rufescens (Lindl.) M.A. Blanco <i>M. rufescens</i> Lindl.	R.M. Klein 10842 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)	FED, FOD	Forest interior. Riparian forest.
E/R	+	Ornithidium Salisb. ex R. Br. O. rigidum (Barb. Rodr.) M.A. Blanco & Ojeda Rhetinantha M.A. Blanco	W.S. Mancinelli 990 (UPCB)		FOD	Forest interior.
E		R. notylioglossa (Rchb.f.) M.A. Blanco <i>Maxillaria cerifera</i> Barb. Rodr. <i>M. notylioglossa</i> Rchb.f. Scuticaria Lindl.	R.M. Klein 10107 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979) Klein (1979)	FOD	Forest interior. Riparian forest.
E		S. hadwenii (Lindl.) Planch. Trigonidium Lindl.	Pabst and Dungs (1977)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		T. obtusum Lindl. Xylobium Lindl.	E. Caglioni 133 (FURB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E		X. colleyi (Batem. ex Lindl.) Rolfe <i>X. brachystachyum</i> Kraenzl.	Pabst and Dungs (1977)	Reis <i>et al.</i> (2011) Pabst (1953)	FOD	Forest border. Riparian forest.
E		X. variegatum (Ruiz & Pav.) Mansf. <i>X. squalens</i> (Lindl.) Lindl.	R.M. Klein 9287 (FLOR)	Reis <i>et al.</i> (2011) Pabst (1953)	FOD, RST	Forest interior.
		Derived Epidendroideae, Cymbidieae, Stanhopeinae Cirrhaea Lindl.				
E		C. dependens (Lodd.) Loudon	A. Bresolin 111 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	EN	C. fuscolutea Lindl. <i>C. saccata</i> Lindl.	A. Bresolin 74 (FLOR)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD, RST	Forest border.
E	CR	C. loddigesii Lindl.	Pabst and Dungs (1977)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	VU	C. longiracemosa Hoehne	F.C. Hoehne s.n. (SP24486)	Reis <i>et al.</i> (2011)	FOD	
		Gongora Ruiz & Pav. G. bufonia Lindl.	Rohr (1951)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
		Stanhopea Frost ex Hook. S. insignis Frost ex Hook.	Pabst (1953)	Reis <i>et al.</i> (2011)	FOD	Forest interior.

TABLE 1. *Continued.*

	NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
E	<i>S. lietzei</i> (Regel) Schltr. <i>S. graveolens</i> Lindl.	A. Bresolin 132 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)	FOD	Forest interior. Riparian forest.
	Derived Epidendroideae, Cymbidieae, Zygopetalinae				
	<i>Hoehneella</i> Ruschi				
E	<i>H. gehrtiana</i> (Hoehne) Ruschi <i>Huntleya</i> Batem. ex Lindl.	Pabst and Dungs (1977)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>H. meleagris</i> Lindl. <i>Dichaea</i> Lindl.	A. Bresolin 416 (FLOR)	Klein (1979)	FOD	Forest interior.
E	* <i>D. anchorifera</i> Cogn.	P. Schwacke 13181 (RB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>D. australis</i> Cogn.	T.J. Cadorin 1207 (FURB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>D. cogniauxiana</i> Schltr.	A. Bresolin 510 (FLOR)	Reis <i>et al.</i> (2011)	FOD, FOM, RST	Interior or border of forest. Riparian forest.
E	<i>D. pendula</i> (Aubl.) Cogn. <i>Pabstia</i> Garay	R.M. Klein 7058 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>P. modestior</i> (Rchb.f.) Garay	Barros <i>et al.</i> (2013)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>P. viridis</i> (Lindl.) Garay <i>Paradisanthus</i> Rchb.f.	Pabst and Dungs (1977)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
T	<i>P. micranthus</i> (Barb. Rodr.) Schltr. <i>P. bahiensis</i> Rchb.f.	J.A. Rohr 2058 (HB)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD, RST	Forest interior.
T	* <i>P. mosenii</i> Rchb.f. <i>Promenaea</i> Lindl.	Rohr (1951)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	# <i>P. acuminata</i> Schltr.	Schlechter (1919)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>P. albescens</i> Schltr.	Schlechter (1921)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	# <i>P. catharinensis</i> Schltr.	Schlechter (1921)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	EN <i>P. fuerstenbergiana</i> Schltr.	R.M. Klein 10027 (FLOR)	Reis <i>et al.</i> (2011)		
E	<i>P. paranaensis</i> Schltr.	A. Korte 5084 (FURB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>P. riograndensis</i> Schltr.	L.C. Oliveira s.n. (CRI8945)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>P. rollissonii</i> (Lindl.) Lindl.	R.M. Klein 9652 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>P. stapelioides</i> (Link & Otto) Lindl.	R.M. Klein 8247 (FLOR)	Reis <i>et al.</i> (2011)	FOD, FOM	Forest interior.
E	<i>P. xanthina</i> Lindl. <i>Warrea</i> Lindl.	R.M. Klein 7886 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
T	<i>W. warreana</i> (Lodd. ex Lindl.) C.Schweinf. <i>Zygopetalum</i> Hook.	Barros <i>et al.</i> (2013)		FOD	Forest interior.
E	<i>Z. critinum</i> Lodd.	A. Bresolin 838 (FLOR)	Schinini <i>et al.</i> (2008)	FOD	
E/R	<i>Z. maculatum</i> (Kunth) Garay <i>Z. mackayi</i> Hook.	R.M. Klein 10014 (FLOR)	Reis <i>et al.</i> (2011) Schinini <i>et al.</i> (2008)	FOD	Forest interior.
E	<i>Z. maxillare</i> Lodd.	R. Reitz 10997 (FLOR)	Schinini <i>et al.</i> (2008)	FOD, FOM	Forest interior.
	Derived Epidendroideae, Vandaeae, Angraecinae				
	<i>Campylocentrum</i> Benth.				
E	<i>C. brachycarpum</i> Cogn.	A. Bresolin 18 (FLOR)	Reis <i>et al.</i> (2011)	FOD, RST	Forest interior.
E	<i>C. densiflorum</i> Cogn. <i>C. aromaticum</i> Barb. Rodr. <i>C. rhomboglossum</i> Hoehne & Schltr. <i>C. trachycarpum</i> Kraenzl.	R.M. Klein 7078	Reis <i>et al.</i> (2011) Reis <i>et al.</i> (2011) Klein (1979) Klein (1979)	FOD	Forest interior.
E	<i>C. gracile</i> Cogn.	A.C. Brade 50159 (RB)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>C. grisebachii</i> Cogn. <i>C. burchelli</i> Cogn.	R.M. Klein 2993 (FLOR)	Reis <i>et al.</i> (2011) Klein (1979)	FOD	Forest interior.
E	<i>C. hirtellum</i> Cogn.	R. Reitz 1152 (HB)	Klein (1979)	FOD	Forest interior.
E	+ <i>C. lansbergii</i> (Rchb.f.) Schltr.	J.Z. Matos 9 (FLOR)		FOD	Forest interior.
E	<i>C. neglectum</i> (Rchb.f. & Warm.) Cogn.	Pabst (1953)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>C. ornithorrhynchum</i> (Lindl.) Rolfe	A. Bresolin 21 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>C. parabybunense</i> (Barb. Rodr.) Rolfe	R.M. Klein 7903 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>C. pauloense</i> (Schltr.) Hoehne <i>C. linearifolium</i> Cogn	R. Reitz 4219 (HBR)	Klein (1979) Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>C. ulei</i> Cogn.	R.M. Klein 10686 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.

TABLE 1. *Continued.*

	NAMES CITED TO SC	VOUCHER/BIB. REFERENCE	BIBLIOGRAPHIC REFERENCE TO SC	FORMATION	HABITAT
	Derived Epidendroideae, Polystachyinae				
	<i>Polystachya</i> Hook.				
E	<i>P. caespitosa</i> Barb. Rodr.	R.M. Klein 7303 (FLOR)	Klein (1979)	FOD	Forest interior.
E/R	<i>P. concreta</i> (Jacq.) Garay & Sweet	T.J. Cadarin 1371 (FURB)	Reis <i>et al.</i> (2011)	FOD, FOM, RST	Forest interior. Riparian forest.
E/R	<i>P. estrellensis</i> Rchb.f.	R.M. Klein 7093 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.
E	<i>P. foliosa</i> (Lindl.) Rchb.f.	R.M. Klein 7380 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior. Riparian forest.
E	<i>P. pinicola</i> Schltr.	A. Bresolin 77 (FLOR)	Reis <i>et al.</i> (2011)	FOD	Forest interior.