**Supplementary file S4.** Checklist of Orchidaceae from Brazilian Pantanal.

| Species | Collector and number | Herbarium and barcode |
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| *Acianthera pubescens* (Lindl.) Pridgeon & M.W.Chase | *Damasceno-Júnior, G.A. s.n.* | COR 3516/UPCB 104501 COR00001075/UPCB0054203 |
| *Aspasia variegata* Lindl. | *Godinho, R. & Macedo, M. 225* | UFMT15376/ UFMT003506 |
| *Bletia catenulata* Ruiz & Pavon | *Pott, V.J. et al. 8579* | CGMS68629/ CGMS1101587 |
| *Campylocentrum mattogrossense* Hoehne | *Hoehne, F.C. 4473* | R3455/ R000003455 |
| *Campylocentrum neglectum* (Rchb.f. & Warm.) Cogn. | *Damasceno-Júnior, G.A. et al. s.n.* | COR 11972/ COR00105124 |
| *Catasetum fimbriatum* (C.Morren) Lindl. | *Chaparro, M.A.C et al. s.n.* | SP270027 |
| *Catasetum osculatum* Lacerda & V.P.Castro | *Andrade, R.P. ADA1234* | UFMT41428 |
| *Catasetum rooseveltianum* Hoehne | *s. coll.* | LBMBP989 |
| *Catasetum saccatum* Lindl. | *Bleher, A. s.n.* | SP174986 |
| *Cattleya cernua* (Lindl.) Van den Berg | *Bortolotto, I. M. et al. s.n.* | COR14143/ COR00001168 |
| *Cattleya nobilior* Rchb.f. | *Abdo, M.S.A. et al. 1482* | UFMT46757 |
| *Cyrtopodium brandonianum* Barb.Rodr. | *Godinho, R. & Lopes, I.C. 265* | UFMT15424 |
| *Cyrtopodium latifolium* Bianch. & J.A.N. Bat. | *Hoehne, F.C. 668* | R3000 |
| *Cyrtopodium paludicolum* Hoehne | *Pott, V.J. et al. 3067* | CGMS79100/ CGMS1112111/UB0015915 |
| *Cyrtopodium poecilum* Rchb.f. & Warm. | *Hatschbach, G. et al. 36084* | MBM34455/ MBM034455 |
| *Cyrtopodium saintlegerianum* Rchb.f. | *Carniello, M.A. et al. 42* | UFMT36087/ HUEFS0178648/ HRCB042062 |
| *Cyrtopodium virescens* Rchb. f. & Warm. | *Pott, A. et al. 3442* | CGMS79101/ CGMS1112112 |
| *Eltroplectris schlechteriana* (Porto & Brade) Pabst | *Lozano, E.D. & Hase, L. 958* | MBM405270/ MBM405270 |
| *Encyclia argentinensis* (Speg.) Hoehne. | *Hoehne, F.C. 632* | R2809 |
| *Encyclia linearifolioides* (Kraenzl.) Hoehne | *Bueno, N.C. 192* | CPAP6863 |
| *Epidendrum anceps* Jacq. | *Hoehne, F.C. 445* | R2812 |
| *Epidendrum carpophorum* Barb. Rodr. | *Hatschbach, G. 33789* | MBM 30881 |
| *Epidendrum coronatum* Ruiz & Pav. | *Damasceno-Junior, G.A. & Rodriguez, D.P. 1986* | COR13026/ COR00001103 |
| *Epidendrum densiflorum* Hook. | *Ishii, I.H. et al. 417* | COR13824/ COR00001107 |
| *Epidendrum flexuosum* G. May | *Hoehne, F.C. 977* | R2830 |
| *Epidendrum stiliferum* Dressler | *Godinho, R. & M. Macedo 224* | UFMT15387 |
| *Epistephium sclerophyllum* Lindl. | *Damasceno-Junior, G.A. & Bortolotto, I.M. 1030* | COR5346/ COR00001111 |
| *Eulophia alta* (L.) Fawc. & Rendle | *Pott, A. et al. 8695* | CGMS69073/ CGMS1102031 |
| *Galeandra montana* Barb.Rodr. | *Hatschbach, G. et al. 58992* | MBM158589/ MBM158589 |

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| *Galeandra paraguayensis* Cogn. | *Hoehne, F.C. 999* | R193517/ |
| *Galeandra styllomisantha* (Vell.) Hoehne | *Schessl, M. s.n.* | UFMT23008 |
| *Gomesa macropetala* (Lindl) M.W.Chase & N.H.Williams | *Lombardi, J.A. 143* | UEC59585/ UEC017524 |
| *Habenaria amambayensis* Schltr. | *Pott, A. et al. 3318* | CGMS79075/ CGMS1112086 |
| *Habenaria anisitsii* Kraenzl. | *Pott, A. et al. 7688* | CGMS79079/ CGMS1112108 |
| *Habenaria aricaensis* Hoehne | *Pott, A. et al. 7675* | CPAP14711 |
| *Habenaria glazioviana* Kraenzl. ex Cogn. | *Prado, A.L. & Ferreira, M.A. 2607* | UEC138387/ UEC034368 |
| *Habenaria gourlieana* Gill. ex Lindl. | *Damasceno-Júnior, G.A. et al. 2907* | UPCB104512/ UPCB0054189 |
| *Habenaria hamata* Barb.Rodr. | *Schessl, M. 3005* | UFMT19888/ |
| *Habenaria heptadactyla* Rchb.f. | *Cunha, C.N. & Lima-Junior, G.A. 488* | UFMT26986/ |
| *Habenaria hexaptera* Lindl. | *Damasceno-Júnior, G.A. et al. 3442* | COR12087/ COR00001126 |
| *Habenaria juruenensis* Hoehne | *Bortolotto, I.M. et al. 175* | COR4161 |
| *Habenaria nabucoi* Ruschi | *Pott, V.J. & Lima, L.C.P. 4938* | CGMS69936/ CGMS1114279 |
| *Habenaria nuda* Lindl. | *Ishii, I.H. & Damasceno-Júnior, G.A. 700* | COR12156/ COR00001125 |
| *Habenaria orchiocalcar* Hoehne | *Pott, A. 2531* | CEN15040/ CEN00015040 |
| *Habenaria petalodes* Lindl. | *Maciel, A.A. s.n.* | INPA83545/ INPA0083545 |
| *Habenaria polycarpa* Hoehne | *Damasceno-Júnior, G.A. et al. 3143* | COR13027/ COR00001119 |
| *Habenaria pratensis* (Lindl.) Rchb.f. | *Costa, S.C. 174* | UFMT24213 |
| *Habenaria repens* Nutt. | *Rego, S.C.A. 765* | COR922/ COR00001124 |
| *Habenaria spathulifera* Cogn. | *Pott, A. et al. 7668* | CGMS79447/ CGMS1112458 |
| *Ionopsis utricularioides* (Sw.) Lindl. | *Abdo, M.S.A. et al. 1421* | UFMT46699/ |
| *Isochilus linearis* (Jacq.) R.Br. | *Chaparro, M. & Bortolotto, I. M. 07* | COR3488/ COR00001133 |
| *Laelia gloriosa* Rchb.f. | *Anjos-Silva, E.J. EJAS320* | UFMT18361 |
| *Lockhartia goyazensis* Rchb.f. | *Amaral, A.M. 142* | UFMT18381 |
| *Macradenia paraensis* Barb.Rodr. | *Castro, R.M. 1671* | CESJ51010 CESJ051010 |
| *Macroclinium mirabile* (C.Schweinf.) Dodson. | *Amaral, A.M. 143* | UFMT18402 |
| *Maxillaria subrepens* (Rolfe) Schuit. & M.W.Chase | *Anjos-Silva, E.J. EJAS328* | UFMT18368 |
| *Maxillaria uncata* Lindl. | *Fróes, R.L. 33542* | IAN99755/ IAN099755 |
| *Microchilus debilis* (Lindl.) D.Dietr. | *Pott, A. 4289* | CGMS79095/ CGMS1112106 |
| *Microchilus longicornu* (Cogn.) E.C.Smidt & M.W.Chase | *Hatschbach, G. et al. 60708* | MBM169330/ MBM169330 |
| *Notylia lyrata* S.Moore | *Amaral, A.M. 132* | UFMT18405 |

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| *Notylia odontonotos* Rchb.f. & Warm. | *Moore S.M. 387* | BM00092306 |
| *Notylia pubescens* Lindl. | *Hoehne F.C. 1219* | R3123 |
| *Octomeria warmingii* Rchb.f. | *Rodriguez, D.P. 07* | COR6546/ COR00001140 |
| *Oeceoclades maculata* (Lindl.) Lindl. | *Godinho, R. & Macedo, M. 277* | UFMT15402 |
| *Orleanesia mineirosensis* Garay | *Anjos-Silva, E.J. 317* | UFMT18367 |
| *Ornithocephalus cujeticola* Barb. Rodr. | *Hoehne, F.C. 891* | R3142 |
| *Pelexia stenantha* (Cogn.) Schltr. | *Hatschbach, G. 22022* | MBM12742 MBM012742 |
| *Polystachya concreta* (Jacq.) Garay & Sweet | *Rodriguez, D.P. R-01* | COR6540/ COR00001158 |
| *Polystachya foliosa* (Hook.) Rchb.f. | *Damasceno-Júnior, G.A. et al. 3144* | COR13031 COR00001162 |
| *Prescottia oligantha* (Sw.) Lindl. | *Ishii, I.H. et al. 711a* | COR13607 COR00001153 |
| *Prosthechea roraimensis* V.P.Castro & Campacci | *Hoehne, F.C. 990* | R2821 |
| *Pteroglossa macrantha* (Rchb.f.) Schltr. | *Pott, V.J. 8554* | CEN64244/ CEN00064244 |
| *Sacoila lanceolata* (Aubl.) Garay | *Sanches, F.R. s.n.* | ESA007180/ ESA007180 |
| *Sarcoglottis curvisepala* Szlach. & Rutk. | *Damasceno-Junior, G.A. 1965* | COR13028/ COR00001166 |
| *Trichocentrum cepula* (Hoffmanns.) J.M.H. Shaw. | *Bortolotto, I.M. et al. s.n.* | COR13109/ COR00001094 |
| *Trichocentrum fuscum* Lindl. | *Pott, A.& V.J. Pott 13293* | CGMS55646/ CGMS1085613 |
| *Trichocentrum jonesianum* (Rchb.f.) M.W.Chase & N.H.Williams | *Bortolotto, I.M. et al. s.n.* | COR5387/ COR00001152 |
| *Trichocentrum morenoi* (Dodson & Luer) M.W.Chase & N.H.Williams | *Pott, A. 12953* | CGMS47972/ CGMS1077930 |
| *Trichocentrum nanum* (Lindl.) M.W.Chase & N.H.Williams | *Amaral, A.M. 10* | UFMT18392 |
| *Trichocentrum pumilum* (Lindl.) M.W.Chase & N.H.Williams | *Damasceno-Junior, G.A. et al. 2031* | CGMS84311/ CGMS1118229 |
| *Vanilla palmarum* (Salzm. ex Lindl.) Lindl. | *Arruda, J.S. 01* | COR4618/ COR00001173 |
| *Vanilla phaeantha* Rchb.f. | *Novais, G.O. s.n.* | COR1989/ COR00001187 |
| *Vanilla pompona* Schiede | *Hoehne, F.C. 972* | R2513 |
| *Veyretia hassleri* (Cogn.) Szlach. | *Prance, G.T. et al. s.n.* | UFMT864 |
| *Veyretia simplex* (Griseb.) Szlach. | *Schessl, M. 132* | K000878202/ K000878202 |
| *Xylobium foveatum* (Lindl.) Nichols | *Rodriguez, D.P. 06* | UPCB104505/ UPCB0054186 |