

NOMENCLATURAL NOTES ON LAELIINAE-VI. FURTHER COMBINATIONS IN *CATTLEYA* (ORCHIDACEAE)

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ABSTRACT

Cattleya is the fourth largest genus of subtribe Laeliinae (Orchidaceae) in number of species. In order to keep up with current classification, new combinations are needed for one species and a form described in *Hoffmannseggella*. Therefore, the combinations *Cattleya caulescens* f. *fantinellii* and *Cattleya locatellii* are proposed and the new status of nothospecies is indicated for *Cattleya* × *diamantinensis*.

The orchid genus *Cattleya* Lindl., after the inclusion of several infrageneric taxa of Brazilian *Laelia* Lindl. and the whole of *Sophranitis* Lindl. (van den Berg 2008, 2010), became the fourth most-diverse genus of subtribe Laeliinae. The genus is mostly South American in distribution (except by *C. dowiana* Batem.) and was organized in a classification system with 114 species in four subgenera, three sections and five series (van den Berg 2014a). Of these, *Cattleya* series *Parviflorae* (Lindl.) Van den Berg is the largest infrageneric taxon, with 47 species listed in 2014 (van den Berg 2014b), and is where new species have been recently found and described (e.g. Campacci 2015, Miranda 2016).

Since 2014, the following species belonging to series *Parviflorae* were described as species and nothospecies of *Hoffmannseggella* H.G.Jones and transferred to *Cattleya* by Shaw (2016): *Cattleya campaccii* (P.A. Harding & Bohnke) J.H.M.Shaw, *Cattleya* × *mingaensis* (V.P.Castro & K.G.Lacerda) J.M.H.Shaw, *Cattleya nevesiana* (V.P.Castro & K.G.Lacerda) J.M.H.Shaw, *Cattleya nevesii*

(Campacci) J.M.H.Shaw, and *Cattleya* × *victoriacarolinae* (Campacci & Espejo) J.M.H.Shaw.

However, one species and a form have not been transferred and for this reason here we provide the new combinations. The change of status on *Cattleya* × *diamantinensis* (V.P.Castro & Marçal) J.M.H.Shaw is due to the fact that this taxon in fact correspond to a nothospecies originated by introgression between *Cattleya pfisteri* (Pabst & Senghas) Van den Berg and *Cattleya sincorana* (Schltr.) Van den Berg, as inferred by genetic data of Silva (2009). With these new names, *Cattleya* series *Parviflorae* reaches 51 species and 14 nothospecies.

Cattleya caulescens* f. *fantinellii (Rosim & Locatelli) Van den Berg, **comb. nov.**

Basionym: *Hoffmannseggella caulescens* f. *fantinellii* Rosim & Locatelli, Colet. Orquídeas Brasil. 12: 486. 2016. Type: *G. Fantinelli GF-20* (Holotype: ESA).

Cattleya* × *diamantinensis (V.P.Castro & Marçal) J.M.H.Shaw, **stat. nov.**, Orchid Review Suppl. 121 (1304): 76. 2013. Type:

S.Marçal & V.P.Castro Neto 48 (Holotype: CEPEC)
 Parentage: *C. pfisteri* (Pabst & Senghas)
 Van den Berg × *Cattleya sincorana* (Schltr.)
 Van den Berg.

Cattleya locatellii (F.E.L.Miranda) Van den Berg, **comb. nov.**
 Basionym: *Hoffmannseggella locatellii*
 F.E.L.Miranda, *Orchideen Journal* 23(1):
 16. 2016. Type: *M.Locatelli s.n.* (Holotype:
 BHCB)

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