

Nomenclatural notes on Laeliinae-VII. New combinations in *Cattleya* for species and nothospecies originally described in *Hoffmannseggella* (Orchidaceae)

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ABSTRACT

In order to keep in line with the current circumscription of the genus *Cattleya* (Orchidaceae), ten new combinations are proposed for species and nothospecies originally published in *Hoffmannseggella*. These taxa should be classified in *Cattleya* series *Parviflorae*.

1 | INTRODUCTION

Cattleya Lindl. (Orchidaceae) had its circumscription enlarged to include *Sophronitis* Lindl. and Brazilian species of *Laelia* Lindl. (van den Berg *et al.* 2000, 2008, 2009, van den Berg & Chase 2000, 2001, 2004). The new combinations were proposed by van den Berg (2008), along with the synonymization of the new genera *Dungsia* Chiron & V.P.Castro, *Hadrolaelia* (Schltr.) Chiron & V.P.Castro, *Microlaelia* (Schltr.) Chiron & V.P.Castro, proposed by Chiron & Castro Neto (2002), as well as *Brasilaelia* Campacci & Gutfreund, proposed later by Campacci & Gutfreund (2006) for part of the species placed in *Hadrolaelia* by the former authors. Chiron & Castro (2002) had also adopted *Hoffmannseggella* H.G.Jones for species originally placed in *Laelia* sect. *Parviflorae* Lindl., which were also included in *Cattleya* by van den Berg (2008). This species group was later classified in *Cattleya* series *Parviflorae* (Lindl.) Van den Berg in the comprehensive classification system for the genus presented by van den Berg (2014a). Species in series *Parviflorae* are mostly rupicolous, growing in coastal mountains over granite and gnaiss massive rock boulders or in inland rocky outcrops of quartzitic rocks of Iron ore, also known as *campos rupestres* (Conceição *et al.* 2016). Many of them are endemic to a single mountain or restricted clusters of rocky outcrops that behave as islands amidst the surrounding lowland savanna-like vegetation, and for this reason *Parviflorae* is the most species-rich series in the genus. Since the original combinations in 2008, a few papers proposing combinations to adjust nomenclature were published to keep the genus complete with all taxa (van den Berg 2010, 2014b, 2016) and here we present new combinations for taxa recently described in *Hoffmannseggella* that are missing in *Cattleya*.

2 | TAXONOMY

Cattleya aracuaiensis (Campacci & E.L.F.Menezes) Van den Berg, **comb. nov.**

Basionym: *Hoffmannseggella aracuaiensis* Campacci & E.L.F.Menezes, Colet. Orquid. Brasileiras, 13: 506. 2018.

Cattleya guaichyensis (Rosim) Van den Berg, **comb. nov.**

Basionym: *Hoffmannseggella guaichyensis* Rosim, Colet. Orquid. Brasileiras, 13: 510. 2018.

Cattleya haroldoi (V.P.Castro & E.L.F.Menezes) Van den Berg, **comb. nov.**

Basionym: *Hoffmannseggella haroldoi* V.P.Castro & E.L.F.Menezes, Colet. Orquid. Brasileiras, 14: 562. 2018.

Cattleya havenithii (Campacci & E.L.F.Menezes) Van den Berg, **comb. nov.**

Basionym: *Hoffmannseggella havenithii* Campacci & E.L.F.Menezes, Colet. Orquid. Brasileiras, 13: 514. 2018.

Cattleya ×laurae (Rosim) Van den Berg, **comb. nov.**

Basionym: *Hoffmannseggella ×laurae* Rosim, Colet. Orquid. Brasileiras, 13: 518. 2018.

Cattleya ×marciae (Campacci & E.L.F.Menezes) Van den Berg, **comb. nov.**

Basionym: *Hoffmannseggella ×marciae* Campacci & E.L.F.Menezes, Colet. Orquid. Brasileiras, 13: 522. 2018.

Cattleya ×mendonciana (Campacci) Van den Berg, **comb. nov.**

Basionym: *Hoffmannseggella ×mendonciana* Campacci, Colet. Orquid. Brasileiras, 14: 566. 2018.

Cattleya ×montisliancae (Campacci) Van den Berg, **comb. nov.**

Basionym: *Hoffmannseggella ×montisliancae* Campacci, Colet. Orquid. Brasileiras, 14: 570. 2018.

Cattleya neocardimii (Rosim) Van den Berg, **comb. nov.**

Basionym: *Hoffmannseggella neocardimii* Rosim, Colet. Orquid. Brasileiras, 14: 574. 2018.

Cattleya novyi (E.L.F.Menezes) Van den Berg, **comb. nov.**

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Basionym: *Hoffmannseggella novyi* E.L.F.Menezes, Colet. *Orquid. Brasileiras*, 13: 526. 2018.

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