



Additional notes on *Oreocharis yunnanensis*, a species of Gesneriaceae from southern Yunnan, China, including morphological and molecular data

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Abstract

Oreocharis yunnanensis, a recently described species from southern Yunnan, China, is here compared using morphological and molecular evidence, with its closest congener *O. aurea* and *O. hirsuta*, but can be easily distinguished from the latter two by its cordate leaves, 3–4 branched cymes with 4–16(–20) flowers, corolla larger, corolla tube constricted or slightly constricted above the base and then moderately enlarged without constriction at the throat, longer relative to the corolla lip, the upper corolla lip much smaller than the lower lip, lobes entire or calyx margins 2–3 denticulate, disc entire or subentire, and stigma capitate.

Key words molecular phylogeny, morphology, *Oreocharis*, taxonomy

Introduction

Oreocharis glandulosa Y.H.Tan & J.W.Li was illegitimately published in Phytotaxa 13 September 2013 (Tan et al. 2013), overlooking the fact that this name is invalid because it is a later homonym of *Oreocharis glandulosa* (Batalin) Mich.Möller & A.Weber, published in Phytotaxa 16 May 2011 (Möller et al. 2011). Rossini & Freitas, Brazil, quickly remedied the situation naming the new species *Oreocharis yunnanensis* Rossini & J.Freitas in Phytotaxa 26 March 2014 (Rossini and Freitas, 2014). Here, we update the description and comparison with closely related species and obtained molecular data (nuclear ribosomal internal transcribed spacer region) for the new species and compared these with two of its morphologically closest relatives, *O. aurea* Dunn (1908: 19) and *O. hirsuta* Barnett (1961: 9) and molecularly close *O. longifolia* (Craib) Mich.Möller & A.Weber in Möller et al. (2011: 23), hitherto *Briggsia longifolia* Craib (1920: 238), and demonstrate the genetic distinctness of *O. yunnanensis* from its congeners.

Taxonomic treatment

Oreocharis yunnanensis Rossini & J.Freitas (Figs. 1–2).

≡ *O. glandulosa* Y.H.Tan & J.W.Li (in Tan et al. 2013, 30); non *O. glandulosa* (Batalin) Mich.Möller & A.Weber (in Möller et al. 2011b, 21).

Oreocharis yunnanensis is similar to *O. hirsuta* and *O. aurea*, differing from these by its distinctly cordate leaves, cymes 3–4 branched, with 4–16(20) flowers, corolla larger than the two other species, corolla tube constricted or slightly constricted above the base and then slightly inflated without constriction at the throat, longer relative to the corolla lip, the upper corolla lip much smaller than the lower lip; calyx margins entire or 2–3 denticulate, disc entire or subentire, stigma capitate.

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