

***Blidingia minima* var. *ramifera*, var. nov. (Kornmanniaceae, Ulvophyceae)**Roman Evgenevich Romanov<sup>1</sup> & Michael. D. Guiry<sup>2</sup><sup>1</sup>*Dobra Voda, Bar, Montenegro* (correspondence: [streptophytes@gmail.com](mailto:streptophytes@gmail.com))<sup>2</sup>*AlgaeBase, Ryan Institute, University of Galway, Galway, H91 TK33, Ireland.*

“*Blidingia minima* var. *ramifera*” was described and figured by Bliding (1963: 27, 30, figs 8, 9) without indication of type other than ‘Holotypus in Bot. Mus. Univ. Lund.’ [LD], but no individual specimen or single gathering was indicated, and multiple sites of living plants were listed. This is therefore an invalid designation (ICN Art. 40.1, Glossary; Turland & al. 2025) as an indication of the type of the name is lacking.

Only two specimens with this name collected by Carl Vilhelm Bliding (1891–1978) from the sites listed in his monograph were found in LD and have identifications by him allowing linking them to this designation. Two of the original collection were illustrated in the protologue (Bliding, 1963: figs 8, 9) and are now preserved as herbarium specimens LD 2023641 and LD 2017612. LD 2023641 has two hand-written identifications: ‘*E[nteromorpha] minima* var. *ramifera*’ and ‘*Blidingia subsalsa*’, but the inscriptions ‘var. *ramifera*’ and ‘*Blidingia subsalsa*’ appear to be added later. LD 2017612 has an envelope marked “TYPUS” and has the inscription ‘*Blidingia minima* var. *ramifera* Bliding’ in Bliding’s hand (Fig. 1). Ima recognised only LD 2017612 as original material (Bliding, 1963: fig. 8b) as *B. minima* var. *ramifera* in his *Notae criticae* for this specimen. It is designated here as the type.

***Blidingia minima* var. *ramifera*** Bliding ex R.E.Romanov & Guiry, var. nov.Replaced binary designation: “*Blidingia minima* var. *ramifera*” Bliding *Opera Botanica* 8(3): 27, figs 8, 9, 1963

Holotype: Bleking. Karlshamn, Hamnen, [southern Sweden, 56.158249 lat., 14.863239 long.], 26 July 1961, C. Bliding (LD 2017612, Fig. 1).

Registration <http://phycobank.org/1073387>

Description and representative illustration: (Bliding, 1963: 27, fig. 8 b; Fig. 1)

Sites of origin of original material (Bliding, 1963: 30): Sweden: Baltic Sea, Karlshamnri; Norway: Hordaland: Nordasvattnet; France: Bretagne: Finistère: Plouescat; Yugoslavia [Croatia]: vicinity of Split, in the source of the river Jadro (strictly fresh water), Dubrovnik in the river Ombla.

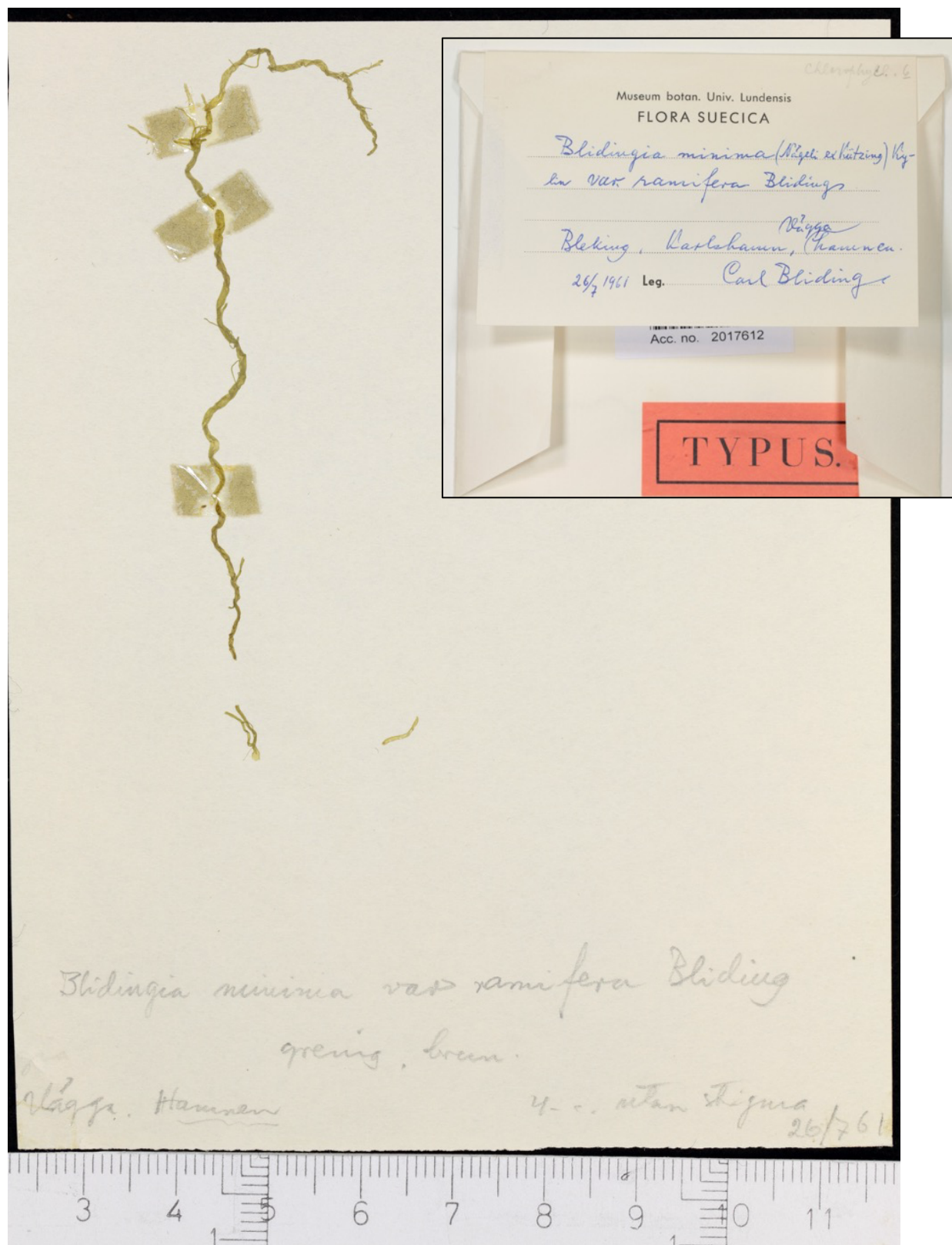
Notes: The designation “*Blidingia ramifera*” Garbary & Barkhouse (1987: 363) is also an invalid designation as it was not separately validated by the authors. This variety appears to have a close phylogenetic affinity with *B. cornuta* Steinhagen & Weinberger (Steinhagen & al., 2021: 239, 240, fig. 5, type from Brunsbüttel Harbour, Schleswig-Holstein, Germany) according to phylogenetic analyses (Ima & al., 2004; Romanov & al., unpubl. data). Unfortunately, the type and other original material is too scanty to allow DNA analysis and epitypification may be necessary.

We are grateful to Patrik Frödén for kindly allowing us to use images of specimens of *Blidingia* collected by Bliding, as well as for sharing critical details about them.

Bliding, C. (1963). A critical survey of European taxa in Ulvales. Part I. *Capsosiphon*, *Percursaria*, *Blidingia*, *Enteromorpha*. *Opera Botanica* 8(3): 1–160, 92 figs.Garbary, D. J., & Barkhouse, L. B. (1987). *Blidingia ramifera* (Bliding) stat. nov. (Chlorophyta): a new marine alga for eastern North America. *Nordic Journal of Botany* 7(3): 359–363.



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- Steinhagen, S., Düsedau, L., & Weinberger, F. (2021). DNA barcoding of the German green supralittoral zone indicates the distribution and phenotypic plasticity of *Blidingia* species and reveals *Blidingia cornuta* sp. nov. *Taxon* 70(2): 229–245.
- Turland, N.J., Wiersema, J.H., Barrie, F.R., Gandhi, K.N., Gravendyck, J., Greuter, W., Hawksworth, D.L., Herendeen, P.S., Klopper, R.R., Knapp, S., Kusber, W.-H., Li, D.-Z., May, T.W., Monro, A.M., Prado, J., Price, M.J., Smith, G.F. & Zamora Señoret, J.C. editors (2025). *International code of nomenclature for algae, fungi, and plants (2025 Edition Madrid Code)* Regnum Vegetabile Volume 162. pp. [i]–xlvii, 1–303. Chicago & London: The University of Chicago Press.



**Fig. 1.** Holotype of *Blidingia minima* var. *ramifera* (LD 2017612). Insert: original envelope.