

**Occurrence of two distinct lineages of the freshwater jellyfish *Craspedacusta sowerbii*
(Hydrozoa: Limnomedusae) in Italy**

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Tab. S1. Number of polyps of *Craspedacusta sowerbii* recorded on the shells of *Dreissena polymorpha* collected in the two Lakes of Monticolo / Montiggl.

	Single polyp	Colony of two polyps	Total polyps
Large Lake of Monticolo / Montiggl, 14 August 2017 water temperature 24°C on 12 specimens of <i>D. polymorpha</i> at 1 m depth	2	1	4
on 12 specimens of <i>D. polymorpha</i> at 5 m depth	0	0	0
Small Lake of Monticolo / Montiggl, 2 June 2018 water temperature 21°C on 1 specimen of <i>D. polymorpha</i> at 1 m depth	7	4	15
Small Lake of Monticolo / Montiggl, 25 April 2019 water temperature 14°C on 10 specimens of <i>D. polymorpha</i> at 1.5 m depth	2	0	2

Tab. S2. List of zooplankton taxa found in the stomachs of 30 medusae collected in September 2019 in Large Lake of Monticolo / Montiggli with size interval and number of measured individuals.

Prey category	Number	% in medusae	Size range
Copepoda			
Cyclopidae gen. sp.	17	57	0.5 – 0.8 mm, n = 12
<i>Thermocyclops crassus</i>	2	7	0.5 – 0.6 mm, n = 2
Cladocera			
Cladocera gen. sp.	9	30	0.4 mm, n = 1
<i>Bosmina longispina</i>	16	53	0.3 – 0.7 mm, n = 11
<i>Bosmina</i> sp.	2	7	*
<i>Ceriodaphnia</i> sp.	4	13	0.4 – 0.5 mm, n = 3
Rotifera			
<i>Keratella cochlearis</i>	1	3	0.1 mm, n = 1

*Fragments of two individuals.

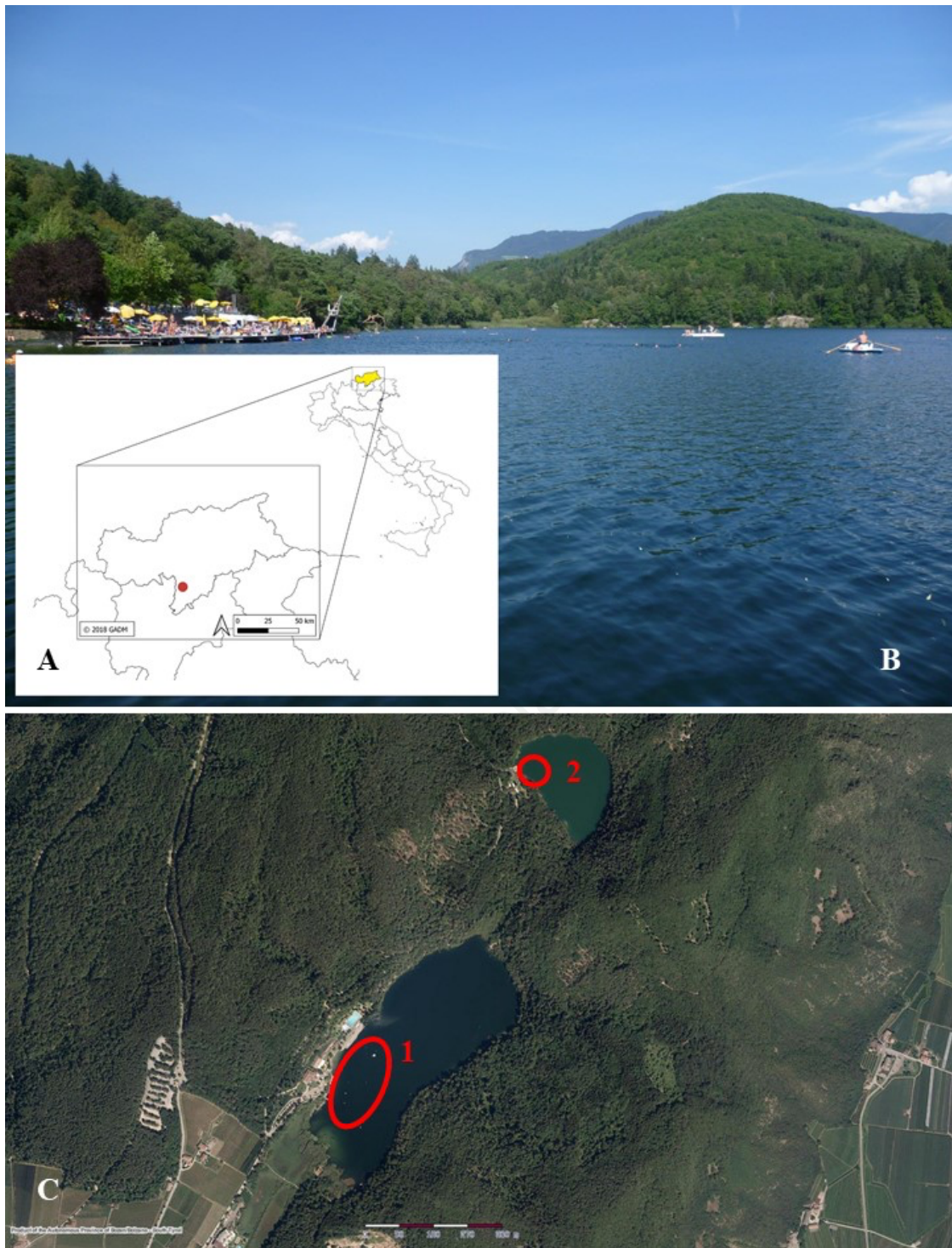


Fig. S1. A) Location of the Lakes of Monticolo / Montiggl, in the Bolzano / Bozen Province, Italy. B) The Large Lake of Monticolo / Montiggl. C) Indications of the sampling locations: 1. sampling area of medusae and polyps in the Large Lake of Monticolo / Montiggl, 2. sampling area of polyps in the Small Lake of Monticolo / Montiggl (Photo by the Autonomous Province of Bolzano / Bozen - South Tyrol).

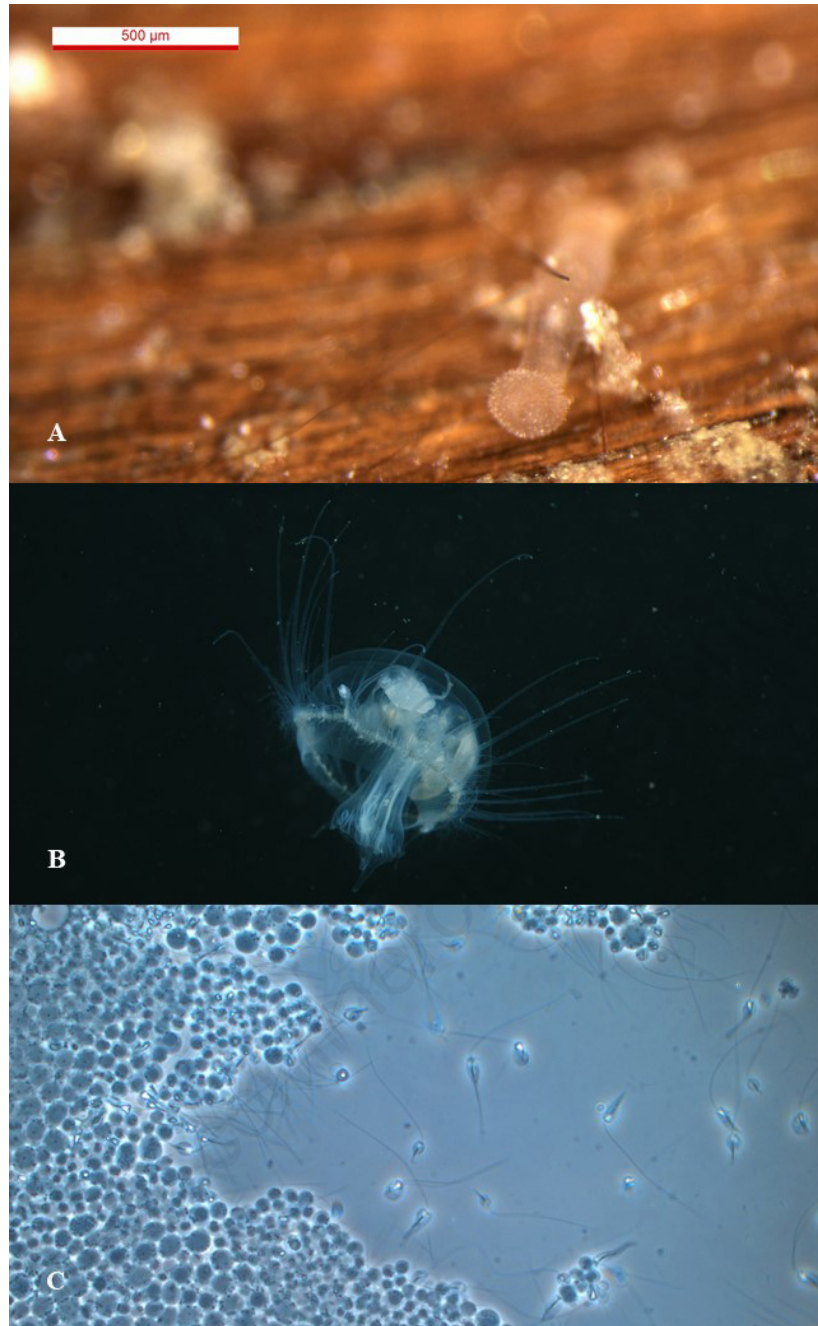


Fig. S2. A) Stereomicroscopic picture of a polyp of *Craspedacusta sowerbii* on the shell of a *Dreissena polymorpha* (Photo by Benno Baumgarten and Massimo Morpurgo). B) Underwater picture of a medusa of *Craspedacusta sowerbii* (diameter 15 mm) taken at 4 m depth in the Large Lake of Monticolo / Montiggl (Photo by Massimo Morpurgo). C) Gonad tissue of a medusa male *Craspedacusta sowerbii*, at magnification 400 ×. Males have a uniform tissue of small cells. At the borders of the uniform tissue numerous spermatozoa are identifiable (Photo by Massimo Morpurgo).