Rhabdomonas costata

(Korshikov) Pringsheim, 1942

Most likely ID: n.a.

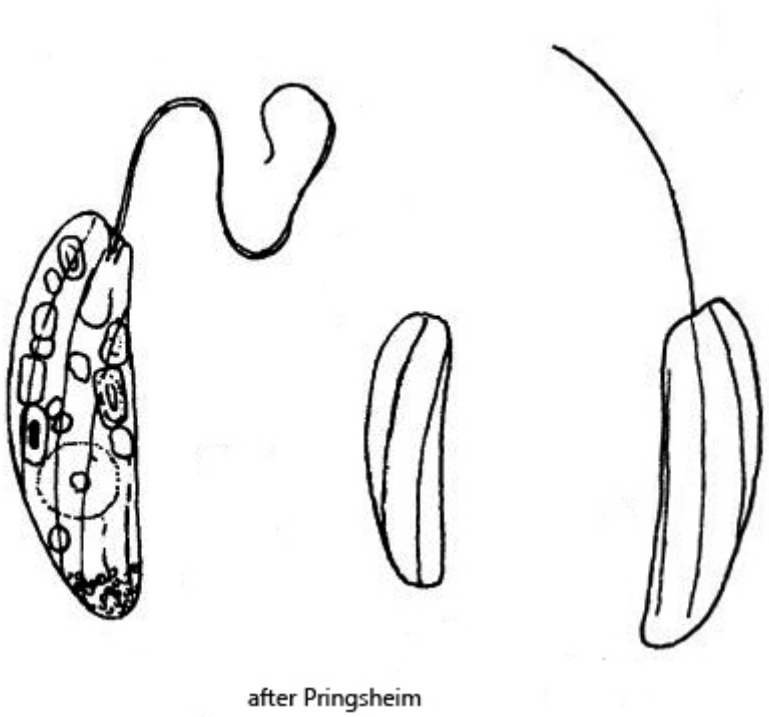
Synonym: *Menoidium costatum*

Sampling location: Simmelried

Phylogenetic tree: ***Rhabdomonas costata***

Diagnosis:

- cell elongate, bean-shaped
- anterior end obliquely truncate, posterior end rounded
- length 20–30 µm
- periplast with longitudinal ridges, twisted slightly clockwise
- one flagellum, almost body length
- spherical nucleus below middle
- larger paramylon granules often in anterior half
- sometimes some tiny paramylon grains at posterior end



Rhabdomonas costata

I have so far been able to detect *Rhabdomonas costata* only in the Simmelried, where the species occurs rather sporadically. It is easy to distinguish the species from *Menoidium* or *Astasia*, because the cell is not flattened (like *Menoidium*), has distinct longitudinal ridges and is not metabolic (like *Astasia*). For *Rhabdomonas costata* a slender, slightly curved shape is typical. The cell is transversely truncated at the anterior end.

More images and information of *Rhabdomonas costata*: Michael Plewka-Freshwater life-*Rhabdomonas costata*

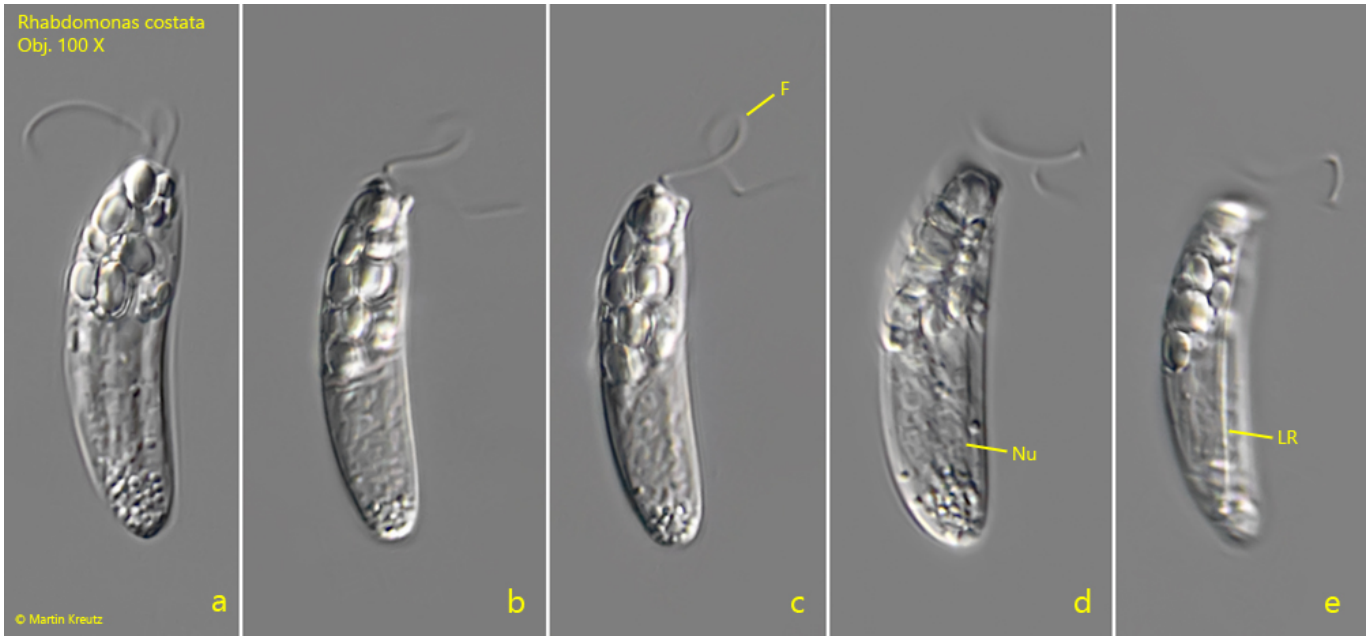


Fig. 1 a-e: *Rhabdomonas costata.* L = 29 µm. Different focal planes of a freely swimming specimen. Note the longitudinal ridges (LR) of the pellicle. F = flagellum, Nu = nucleus. Obj. 100 X.

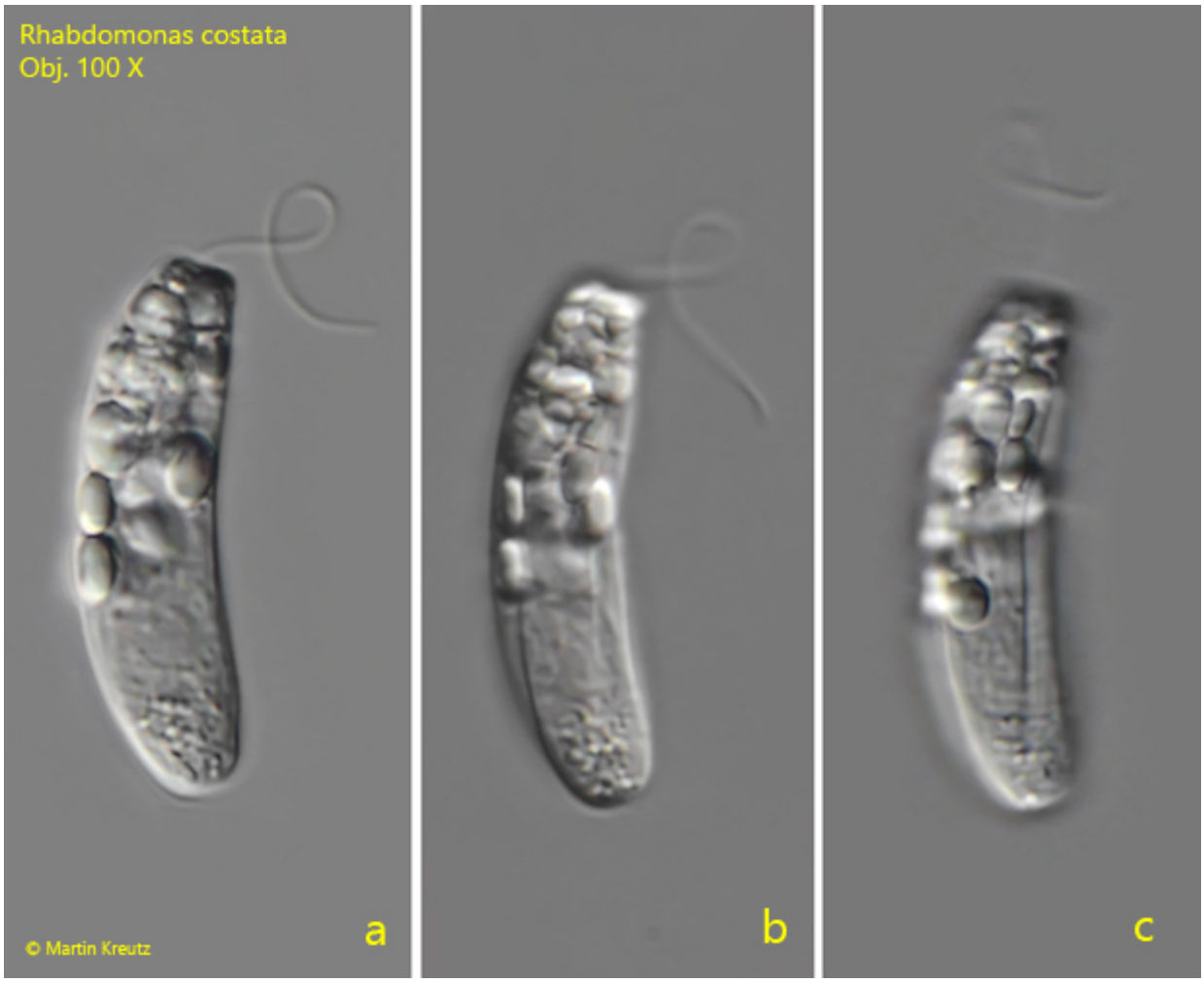


Fig. 2 a-c: *Rhabdomonas costata.* L = 28 µm. Different focal planes of a second freely swimming specimen. Obj. 100 X.