

***Roya closterioides* Coesel, 2007**

Most likely ID: n.a.

Synonym: n.a.

Sampling location: [Schwemm Moor \(Austria\), Simmelried](#)

Phylogenetic tree: [*Roya closterioides*](#)

Diagnosis:

- cells slender rods, sometimes weakly bent
- apices truncated
- length 60–120 μm , width 2.5–3.5 μm
- single, plate-shaped chloroplast
- chloroplast with notch in center
- several pyrenoids
- nucleus central



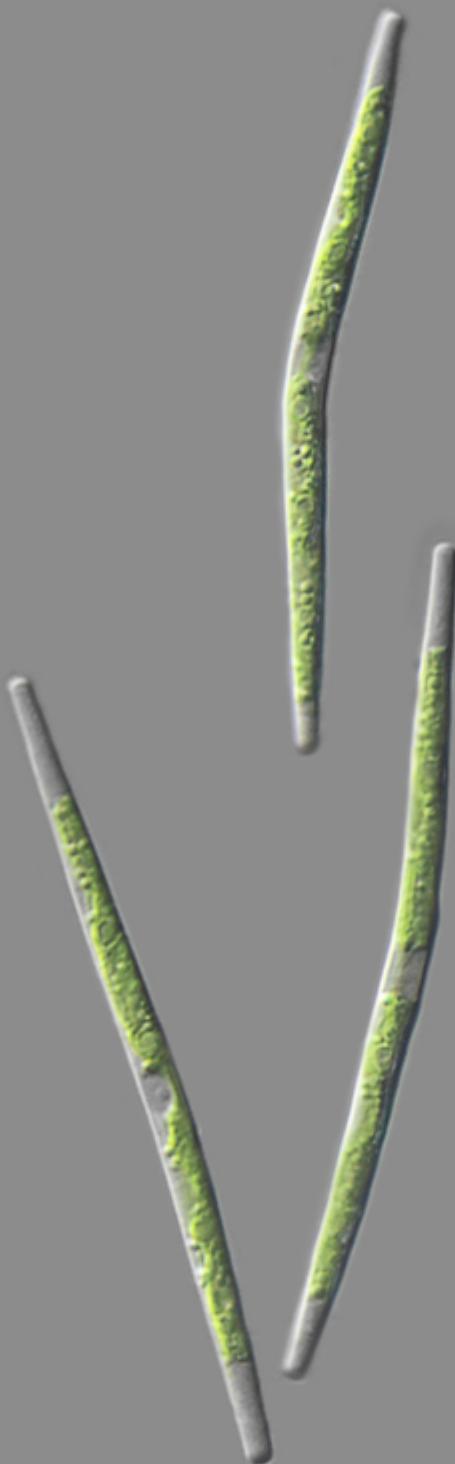
after Coesel

Roya closteroides

So far, I have only found a few specimens of *Roya closteroides* in the [Simmelried](#) and the [Schwemmoor](#). When examining samples under low magnification, *Roya closteroides* is easily confused with other small, rod-shaped algae, such as [Haplotaenium minutum](#).

The cells in my population were all between 50–70 µm long. Some cells were slightly curved (s. fig. 1). The number of pyrenoids was always 4–6. The cells narrowed slightly towards the ends. The cell wall was always smooth and without structure or coloration.

Roya closteroides
Obj. 100 X



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Fig. 1: *Roya closteroides*. L = 58-66 μ m. Three slightly bent specimens found in April 2015 in the Simmelried. Obj. 100 X.

Roya closteroides
Obj. 100 X

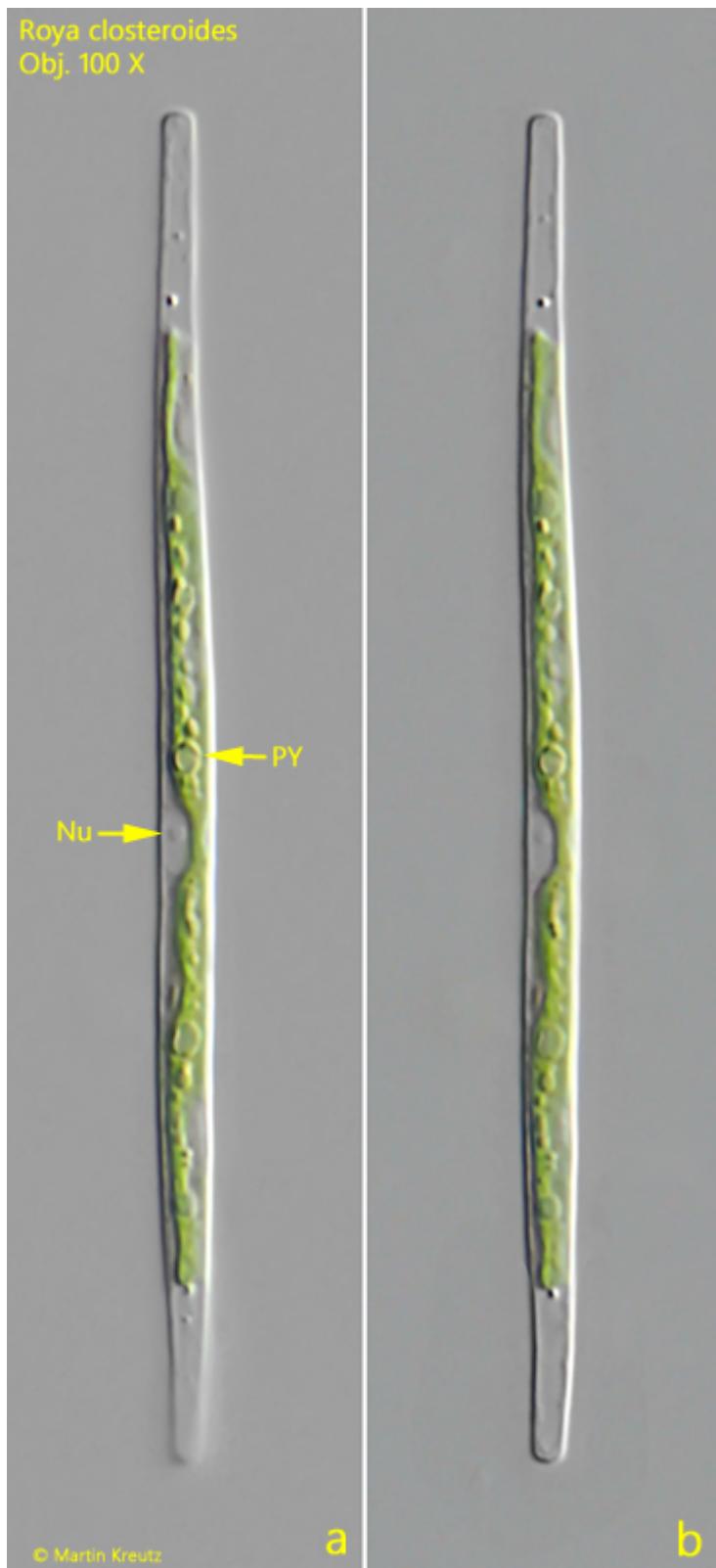


Fig. 2: *Roya closteroides*. L = 71 μ m. Two slightly different focal planes of a specimen found in the [Schwemmoor](#). Nu = nucleus, PY = pyrenoid. Obj. 100 X.

Roya closteroides
Obj. 100 X



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Fig. 3: *Roya closteroides*. L = 68 μ m. A second specimen found in the [Schwemmoor](#). Obj. 100 X.