

Staurastrum spongiosum* var. *perbifidum

West, 1892

Most likely ID: n.a.

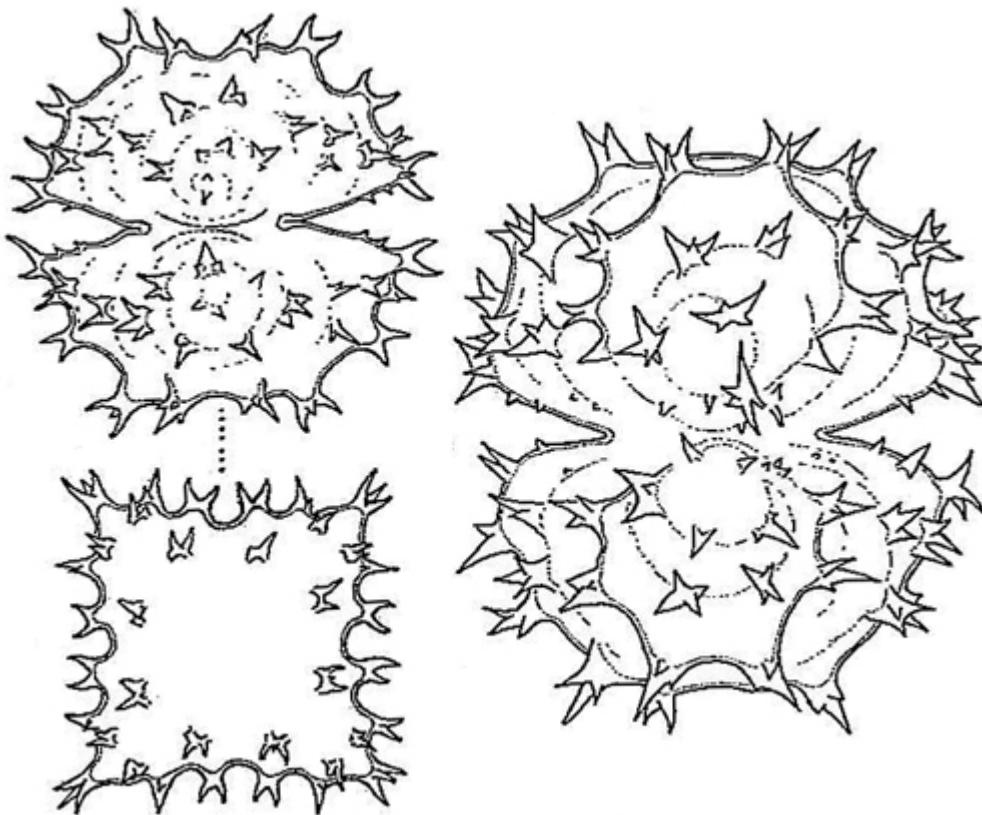
Synonym: n.a.

Sampling location: [Paradieswiesen \(Austria\)](#)

Phylogenetic tree: [*Staurastrum spongiosum* var. *perbifidum*](#)

Diagnosis:

- cells about as wide as long, semi-cells broadly oval
- lateral sides convex
- length 60–65 µm, width 55–63 µm
- semi-cells covered with multi-tipped warts in concentric rows
- number and arrangement of warts variable
- in apical view 3 axis, rarely 4 axis
- each semi-cell with one axial chloroplast with one pyrenoid



after Lenzenweger

Staurastrum spongiosum var. *perbifidum*

I have so far only found *Staurastrum spongiosum* var. *perbifidum* once in June 2024 in the [Paradieswiesen](#) in Austria.

The main characteristic of *Staurastrum spongiosum* var. *perbifidum* are the multi-tipped warts covering the half-cells. Their arrangement is subject to a certain variability. This also applies to the number of axes in apical view. The cell symmetry is usually triaxial. However, 4-axis variants also occur. This desmid alga is very adaptable and has been found up to an altitude of 2500 meters.

Staurastrum spongiosum var. *perbifidum*
Obj. 100 X

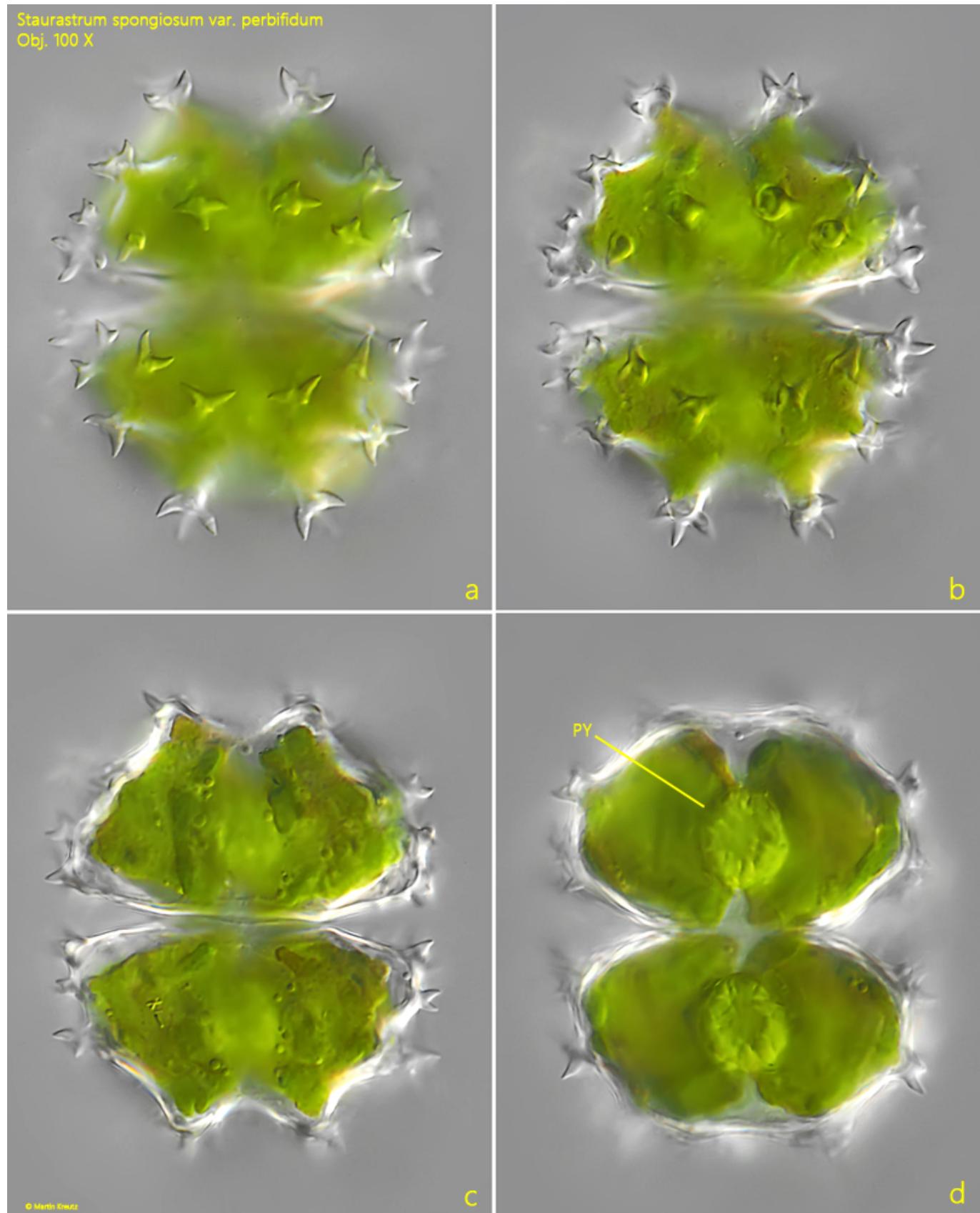


Fig. 1 a-d: *Staurastrum spongiosum* var. *perbifidum*. L = 55 μ m. Different focal planes of a slightly squashed specimen. PY = pyrenoid. Obj. 100 X.