

Nos. 49.

Prepared from TNS-AL-56494 in TNS. This culture strain was prepared from TNS-AL-56364 in TNS. Lake Cyuzenji, Tochigi Pref. Coll. A. Tuji 29/ii/08.

Aulacoseira subarctica* var. *longispina (Hust.) Tuji et Houki, Bull. Nat. Sci. Mus. ser. B. **30**: 38-39. 2004.

Basionym: *Melosira longispina* Hust. in Huber-Pestalozzi, Phytopl. Susw. **2**: 388. pl. 115, f. 469a. 1942.

Lectotype (designated in Simonsen 1987): A/2/21 in the Hustedt collection (BRM), figs. 460/1–3 in Simonsen (1987).

Type locality: Lake Cyuzenji, Tochigi Prefecture, Japan.

This is endemic taxa to Lake Cyuzenji. It is one of *Aulacoseira subarctica* species complex (Tuji & Houki 2004).

