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Revision of *Telotrema* Ozaki, 1933 (Digenea: Gyliauchenidae Fukui, 1929), including the description of a new species from an acanthurid fish from the Great Barrier Reef, Queensland, Australia

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Abstract

We describe one new species of *Telotrema* Ozaki, 1933 from the intestine of an acanthurid fish of the Great Barrier Reef. *Telotrema brevicaudatum* n. sp. is described from 2 mature specimens from the yellowfin surgeonfish, *Acanthurus xanthopterus* Valenciennes, 1835 (Acanthuridae), from waters off Lizard Island, Queensland, Australia. This species is distinguished from the type-species, *Telotrema caudatum* Ozaki, 1933, by the smaller excretory papilla, the massive *pars prostatica*, the unipartite, globular seminal vesicle, and the intertesticular position of the ovary. The proposal of a new species of *Telotrema* necessitates re-examination of the generic diagnosis, and the genus is here redefined in light of the morphology of *T. brevicaudatum*. *Telotrema* is distinguished from *Gyliauchen* Nicoll, 1915 by the possession of a ventral sucker which is larger than the pharynx, a straight or sigmoid oesophagus, an extensive and dense vitellarium, and a distinct excretory papilla. We here recognise 3 species and distinguish them in a key. The biogeographical range for species of *Telotrema* now includes acanthurid and pomacentrid fishes of the western Pacific Ocean.

Key words: *Telotrema brevicaudatum* n. sp., *Telotrema* Ozaki, 1933, Gyliauchenidae, Digenea, taxonomic key, *Acanthurus xanthopterus* Valenciennes, 1835, Acanthuridae, Great Barrier Reef, Australia, Indo-West Pacific

Introduction

Species of *Telotrema* Ozaki, 1933 are apparently rarely collected members of the

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