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## Biodiversity Record: An elongate surgeonfish with unusual colour pattern

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Subject: Elongate surgeonfish, Acanthurus mata (Teleostei: Acanthuriformes: Acanthuridae).

Subject identified by: Heok Hui Tan and Kelvin K. P. Lim.

Location, date and time: Singapore Strait, southern islands. Purchased from a wet market on 1 October 2023.

Habitat: Marine. In coastal sea among coral reef.

Observer: Tan Heok Hui.



Fig. 1. Lateral view of the partially xanthic elongate surgeonfish, freshly thawed and prior to preservation (Photographed by: Tan Heok Hui).

**Observation:** Three examples of elongate surgeonfish were seen for sale as food-fish at a local wet market. One large (31.5 cm standard length) individual with yellow markings (Fig. 1) was purchased. The aberrant example was preserved and accessioned as ZRC 65030 in the Zoological Reference Collection of the Lee Kong Chian Natural History Museum, at the National University of Singapore.

**Remarks:** Acanthurus mata is one of two species of the surgeonfish genus Acanthurus to be recently recorded in Singapore waters (Low, 2015, 2016; Sam et al., 2023). Even though the featured example was purchased at a market, the fish seller had recently and personally obtained it with a metal bubu (cage fish trap) in the sea south of Singapore Island. It was caught alongside the sweetlips *Diagramma pictum* (family Haemulidae) and a large grouper (family Epinephelidae) which could not be identified as it had already been sold.

What makes the featured individual highly interesting is its colour pattern of irregular patches of bright yellow on its head and fins (Fig. 1). It can be considered to be a partial xanthic morph. While such unusual colouration is known to occur among surgeonfishes (see Kuiter & Debelius, 2001; Randall, 2001), it is not common, and this may be the first such aberrant example to be reported from Singapore.

## Literature cited:

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