

## A new species of the metriorhynchid crocodylomorph *Cricosaurus* from the Upper Jurassic of southern Germany

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Here we describe a new species of the metriorhynchid thalattosuchian *Cricosaurus*, *C. bambergensis* sp. nov., from the Upper Jurassic Torleite Formation of Wattendorf near Bamberg, Bavaria (southern Germany). The holotype and only known specimen is a nearly complete skeleton that shows a number of diagnostic traits including a bicarinate dentition formed by labiolingually compressed tooth crowns that lack a conspicuous enamel ornamentation and the presence of a distinct midline ridge with paired depressions on the palatines. Our phylogenetic analysis recovers a grouping of *Cricosaurus bambergensis* sp. nov. with *C. elegans* and *C. suevicus*. The implications of the new *Cricosaurus* species to the species complex from the late Kimmeridgian–early Tithonian of southern Germany is discussed. Our description of *C. bambergensis* demonstrates that the specific, and morphological, diversity of *Cricosaurus* in southern Germany was higher than previously thought. This coincides with the recent trend of re-evaluating the species-complexes of extant taxa, and the identification of new “cryptic species”. As such, the crocodylomorph fossil record will need to be re-examined to ensure there is not an underestimation of their biodiversity.

**Key words:** Crocodylomorpha, Metriorhynchidae, *Cricosaurus*, Upper Jurassic, Torleite Formation, Germany.

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