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Reassessment of *Cosmodus* Sauvage, 1879, a poorly known genus of large pycnodont fish (Actinopterygii, Pycnodontiformes) from the Cenomanian (Upper Cretaceous) of Western Europe

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**Reassessment of *Cosmodus* Sauvage, 1879, a poorly known genus of large pycnodont fish (Actinopterygii, Pycnodontiformes) from the Cenomanian (Upper Cretaceous) of Western Europe**

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**ABSTRACT**

The large pycnodontiform fish genus *Cosmodus* Sauvage, 1879 is redescribed on the basis of both historical material and new specimens, and a formal diagnosis is proposed. The vomerine and prearticular dentitions of *Cosmodus* show a unique combination of characters, including the morphology and ornamentation of the tooth crowns and the number of tooth rows. *Cosmodus* is thus recognized as a valid distinct genus, restricted to the middle–upper Cenomanian of Western Europe (France, England, Spain, and possibly Germany) and including a single species, *C. carentonensis* (Coquand, 1859). *Cosmodus* shares some peculiar

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