

## The taxonomy and anatomy of raiusuchian archosaurs from the Late Triassic of Germany and Poland

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The German Late Triassic archosaur *Teratosaurus suevicus* is a historically important taxon, being the first described raiusuchian. Unfortunately the holotype is a single element, a maxilla, which is poorly preserved and incomplete. We redescribe this maxilla and identify a single potential autapomorphy. The fragmentary type specimen complicates attempts to refer additional material to this taxon, and other unassociated archosaur and raiusuchian specimens from the Mittlerer Stubensandstein of Germany cannot be referred to *T. suevicus* with any degree of confidence. The stratigraphically older *T. silesiacus*, from the upper Carnian of Poland, is represented by a much more complete and better preserved specimen. Comparison of the maxillae of *T. suevicus* and *T. silesiacus* reveals that the two are distinct taxa, contra recent suggestions, but also that they do not share any synapomorphies or a unique combination of characters relative to *Postosuchus kirkpatricki* and other raiusuchians. Thus, the Polish material must be transferred to a new genus, *Polonosuchus* gen. nov. Both *Polonosuchus* and *Teratosaurus* are very similar to *Postosuchus kirkpatricki*, and the three taxa are likely closely related.

**Key words:** Archosauria, Raiusuchia, taxonomy, Triassic, Germanic Basin.

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