

SUPPLEMENTARY DATA

Preliminary observations on the bone histology of the Middle Triassic pseudosuchian archosaur *Batrachotomus kupferzellensis* reveals fast growth with laminar fibro-lamellar bone tissue

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TABLE S1. Codings of bone tissue structures for tracing the evolution of growth pattern in archosauromorphs (see Fig. 6). Formation of LZB through whole ontogeny (0), formation of FLB only during early ontogenetic stages with subsequent formation of LZB for remaining life time (1), and intense formation of FLB over longer ontogenetic period (2).

Taxa	Systematics	Codings	References
<i>Aenigmastropheus</i>	Archosauromorpha	1	Ezcurra et al., 2014
<i>Trilophosaurus</i>	Crocopoda, Allokotosauria	0	Werning and Irmis, 2011
<i>Teyumbaita</i>	Crocopoda, Rhynchosauria	1	Veiga et al., 2015
<i>Stenaulorhynchus</i>	Crocopoda, Rhynchosauria	0	Werning and Nesbitt, 2016
<i>Hyperodapedon</i>	Crocopoda, Rhynchosauria	1	Mukherjee, 2015; Veiga et al., 2015
<i>Prolacerta</i>	Crocopoda	1	Botha-Brink and Smith, 2011
<i>Proterosuchus</i>	Archosauriformes, Proterosuchidae	1	Botha-Brink and Smith, 2011
<i>Erythrosuchus</i>	Archosauriformes, Erythrosuchidae	2	Ricqles et al., 2008; Botha-Brink and Smith, 2011
<i>Garjiana</i>	Archosauriformes, Erythrosuchidae	2	Gower, 2014
<i>Euparkeria</i>	Eucrocopoda	1	Ricqles et al., 2008; Botha-Brink and Smith, 2011; Legendre et al., 2013
<i>Chanaresuchus</i>	Eucrocopoda, Proterochampsia	2	Ricqles et al., 2008
<i>Vancleavea</i>	Eucrocopoda, Proterochampsia	0	Nesbitt et al., 2009
<i>Rutidon</i>	Eucrocopoda/Pseudosuchia, Phytosauria	1	Ricqles et al., 2003
<i>Desmotosuchus</i>	Pseudosuchia, Aetosauria	1	Ricqles et al., 2003
<i>Stagonolepis</i>	Pseudosuchia, Aetosauria	1	Ricqles et al., 2003
<i>Typhothorax</i>	Pseudosuchia, Aetosauria	1	Ricqles et al., 2003
<i>Effigia</i>	Pseudosuchia, Poposauridae	2	Nesbitt, 2007
<i>Postosuchus</i>	Pseudosuchia, Loricata	2	Ricqles et al., 2003; Legendre et al., 2013
<i>Luperosuchus</i>	Pseudosuchia, Loricata	1	Ricqles et al., 2008
<i>Batrachotomus</i>	Pseudosuchia, Loricata	2	This study
<i>Hesperosuchus</i>	Loricata, Crocodylomorpha	0	Ricqles et al., 2008
<i>Terrestriusuchus</i>	Loricata, Crocodylomorpha	2	Ricqles et al., 2003; Padian et al., 2004
CROCODYLIFORMES	Loricata, Crocodylomorpha	0	Hua and Buffrenil, 1996; Ricqles et al., 2003; Padian et al., 2004; Andrade and Sayao, 2014
PTEROSAURIA	Ornithodira	2	Padian et al., 2004
<i>Asilisaurus</i>	Ornithodira, Silesauridae	2	Griffin and Nesbitt, 2016
<i>Herrerasaurus</i>	Ornithodira, Dinosauria	2	Starck and Chinsamy, 2002; Ricqles et al., 2003
<i>Coelophysis</i>	Ornithodira, Dinosauria	2	Ricqles et al., 2003
<i>Plateosaurus</i>	Ornithodira, Dinosauria	2	Klein and Sander, 2007
ORNITHISCHIA	Ornithodira, Dinosauria	2	Padian et al., 2004; Ricqles et al., 2008
SAUROPODA	Ornithodira, Dinosauria	2	Sander et al., 2011

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