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**
Aenigmastropheus	Archosauromorpha	1	Ezcurra et al., 2014
Trilophosaurus	Crocopoda, Allokotosauria	0	Werning and Irmis, 2011
Teyumbaita	Crocopoda, Rhynchosauria	1	Veiga et al., 2015
Stenaulorhynchus	Crocopoda, Rhynchosauria	0	Werning and Nesbitt, 2016
Hyperodapedon	Crocopoda, Rhynchosauria	1	Mukherjee, 2015; Veiga et al., 2015
Prolacerta	Crocopoda	1	Botha-Brink and Smith, 2011
Proterosuchus	Archosauriformes, Proterosuchidae	1	Botha-Brink and Smith, 2011
Erythrosuchus	Archosauriformes, Erythrosuchidae	2	Ricqles et al., 2008; Botha-Brink and Smith, 2011
Garjiana	Archosauriformes, Erythrosuchidae	2	Gower, 2014
Euparkeria	Eucrocopoda	1	Ricqles et al., 2008; Botha-Brink and Smith, 2011; Legendre et al., 2013
Chanaresuchus	Eucrocopoda, Proterochampsia	2	Ricqles et al., 2008
Vancleavea	Eucrocopoda, Proterochampsia	0	Nesbitt et al., 2009
Rutidon	Eucrocopoda/Pseudosuchia, Phytosauria	1	Ricqles et al., 2003
Desmatosuchus	Pseudosuchia, Aetosauria	1	Ricqles et al., 2003
Stagonolepis	Pseudosuchia, Aetosauria	1	Ricqles et al., 2003
Typothorax	Pseudosuchia, Aetosauria	1	Ricqles et al., 2003
Effigia	Pseudosuchia, Poposauridae	2	Nesbitt, 2007
Postosuchus	Pseudosuchia, Loricata	2	Ricqles et al., 2003; Legendre et al., 2013
Luperosuchus	Pseudosuchia, Loricata	1	Ricqles et al., 2008
Batrachotomus	Pseudosuchia, Loricata	2	This study
Hesperosuchus	Loricata, Crocodylomorpha	0	Ricqles et al., 2008
Terrestrisuchus	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
Asilisaurus	Ornithodira, Silesauridae	2	Griffin and Nesbitt, 2016
Herrerasaurus	Ornithodira, Dinosauria	2	Starck and Chinsamy, 2002; Ricqles et al., 2003
Coelophysis	Ornithodira, Dinosauria	2	Ricqles et al., 2003
Plateosaurus	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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