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Supplemental Data

A new look at Carboniferous rhizodontid humeri (Sarcopterygii; Tetrapodomorpha)

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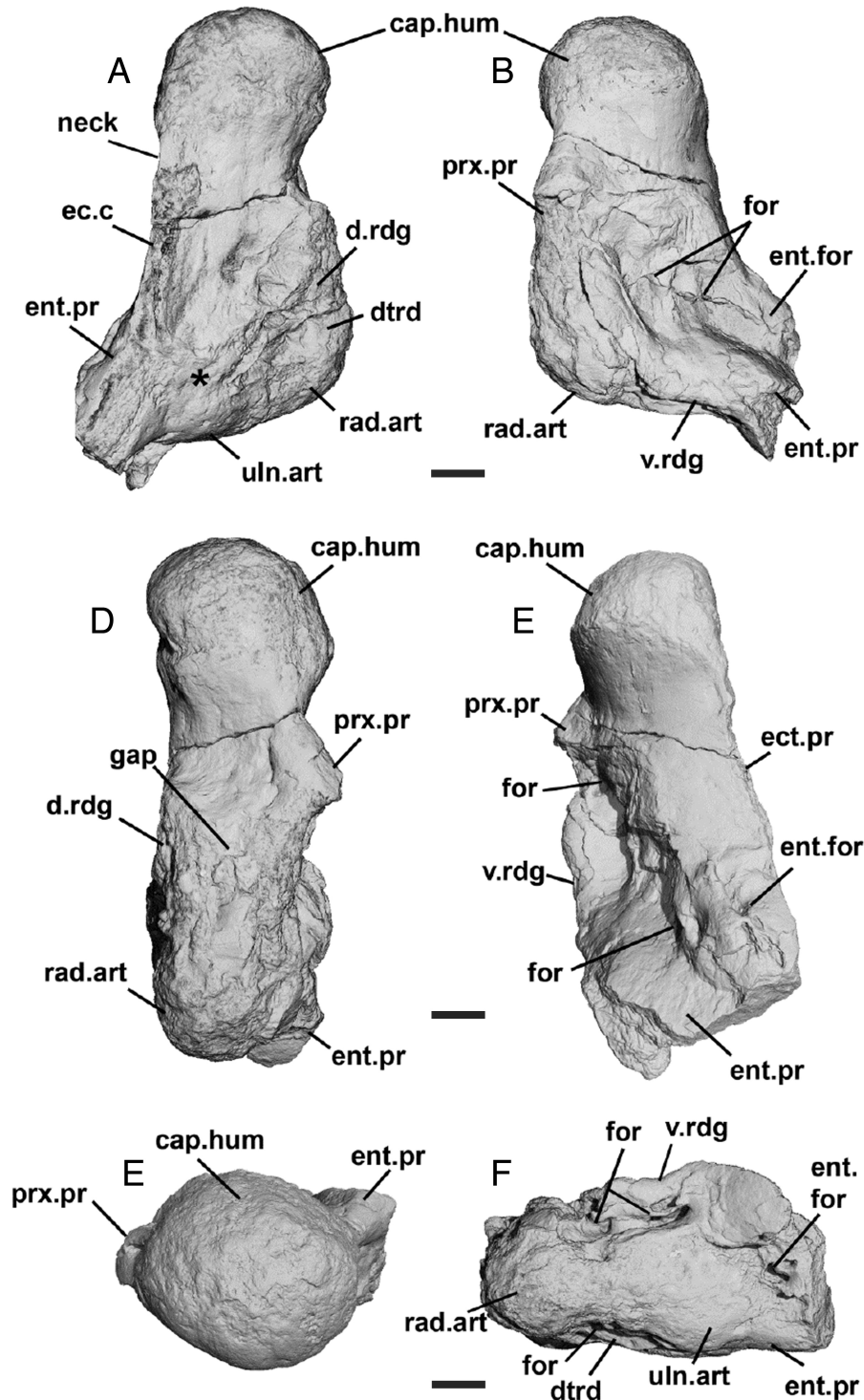


FIGURE S1. *Rhizodus hibberti*, PMG 297, Todhill's pit, Dalry, North Ayrshire. Cannot be assigned to a Morphogroup due to damage. Humerus in **A**, dorsal, **B**, ventral, **C**, anterior, **D**, posterior, **E**, proximal, and **F**, distal views. Asterisk in **A** indicates expanded postaxial dorsal ridge continuous with the ulnar articulation. **Abbreviations:** **cap.hum**, caput humeri; **d.rdg**, dorsal ridge; **dtrd**, distal transverse depression; **ec.c**, ectepicondylar process; **ent.for**, entepicondylar foramina; **ent.pr**, entepicondylar process; **for**, foramina; **gap**, gap between preaxial process and dorsal ridge; **neck**, neck between caput humeri and rest of humerus; **prx.pr**, preaxial process; **rad.art**, articulation for radius; **rdg**, ridge between the preaxial process and dorsal ridge; **uln.art**, articulation for ulna; **v.rdg**, ventral humeral ridge. Scale bars equal 1 cm.

TABLE S1. Rhizodont specimens scanned and scanning parameters.

Registration number	Morphology	Assignment	Morphology/ Figures	References	Scanning location	Scanner	kV	uA	filter	resolution
NEWHM G5.01	left humerus	<i>Strepsodus sauroides</i>	I/ Figure 2	Andrews and Westoll 1970	Museum of Zoology, Cambridge	Nikon XTH 225 ST	170	155	Cu 0.25mm	29 μ M
NEWHM G5.04	left humerus	<i>Strepsodus sauroides</i>	I/ Figure 2	Andrews and Westoll 1970	Museum of Zoology, Cambridge, NHM	Nikon XTH 225 ST	160	160	Al 0.25 mm	25 μ M
NEWHM G4.49	right humerus	<i>Strepsodus sauroides</i>	II/ Figure 3	Andrews and Westoll 1970	Museum of Zoology, Cambridge	Nikon XTH 225 ST	200	210	Cu 0.5mm	33 μ M
NMSG. 1970.16.1	right humerus	<i>Strepsodus sauroides</i>	II/ Figure 4	Vorobyeva, 2000; Jeffery, 2001	Museum of Zoology, Cambridge	Nikon XTH 225 ST	135	162	-	38 μ M
UMCZ 2018.9.1	left humerus	unidentified	II/ Figure 5		Museum of Zoology, Cambridge	Nikon XTH 225 ST	180	180	Cu 2.0 mm	52 μ M
NMSG. 1972.27.434c	right humerus	<i>Rhizodus hibberti</i>	III/ Figure 6	Jeffery, 2001	Museum of Zoology, Cambridge	Nikon XTH 225 ST				

NM S G. 201 9.3 8.1. 1	right humer us	uniden tified	III/ Figur e 6		Schoo l of Earth Scienc es, Univer sity of Bristol	Nikon XT H 225 ST	223	490	Cu 2.0 mm	103 μM
UM CZ 201 7.2. 483	right humer us	<i>Rossic hthys clacka e</i>	IV/ Figur e 7		NHM	Far o Edg e Sca nAr m HD lase r sca nne r				
PM G29 7	right humer us	<i>Rhizod us hibber ti</i>	indet/ Figur e S1	An dre ws and We stol l 197 0; Jeff ery, 200 1	Museu m of Zoolo gy, Cambr idge	Nikon XT H 225 ST	200	220	Cu 1.0m m	59 μM