Euhelopus zdanskyi holotype ("exemplar a")	PMU R 233	PMU 24705	Wiman, 1929		Mateer & McIntosh, 1985		Wilson & Upchurch, 2009	
Element	Old number	New number	Description	Figure(s)	Description	Figure(s)	Description	Figure(s)
Premaxilla and maxilla (Left)	PMU R 233 a	PMU 24705/1a	Pages 7-8: interpreted four teeth in premaxilla, one at premaxilla-maxilla suture, nine in maxilla.	Plate 1, fig. 2 (lateral*), 3 (anterior*) and 4 (dorsal*); Plate 2, fig. 1 (lateral) and 2 (medial)	-	Figure 5, a (lateral) and b (medial); Figure 6 (lateral*)	Page 207 (premaxilla): fully described - step-like offset of snout and lateral plate supporting teeth noted; Pages 207-208 (maxilla): fully described, preantorbital fenestra, lack of antorbital fossa and jugal articulation noted.	Figure 6 (reversed; medial)
Premaxilla and maxilla (Right)	PMU R 233 a	PMU 24705/1b	Pages 7-8: interpreted four teeth in premaxilla, one at premaxilla-maxilla suture, nine in maxilla.	Plate 1, fig. 1 (lateral*), 3 (anterior*) and 4 (dorsal*); Plate 2, fig. 3 (medial) and 4 (lateral)	-	Figure 5, c (medial) and d (lateral)	Page 207 (premaxilla): fully described - step-like offset of snout and lateral plate supporting teeth noted; Pages 207-208: fully described, preantorbital fenestra, lack of antorbital fossa and jugal articulation noted.	-
Postorbital (Right)	PMU R 233 a	PMU 24705/1g	Page 9: interpreted to be attached to part of postfrontal.	Plate 1, fig. 1 (lateral), 4 (dorsal), 9 (medial) and 10 (lateral)	-	Figure 6 (reversed; lateral*)	Page 208: fully described, incorrectly listed as the left element on page 207 but description only makes sense if it is the right.	-
Squamosal (Left)	PMU R 233 a	PMU 24705/1h	Page 9: interpreted as the right squamosal, depicted upside down.	Plate 1, fig. 1 (lateral; upside down*), 4 ("dorsal"; actually ventrolateral and upside down*); 7 (lateral; upside down) and 8 (medial; upside down)	Page 125-126: corrected Wiman's interpretation of this element – showed it was from the left side, not the right, and figured and mounted upside down by Wiman.	Figure 1, a (medial) and b (lateral): Figure 6 (lateral*)	Pages 208-209: fully described, noted as being incorrectly mounted (upside down as the right squamosal), interpreted the ventral process as broken	-
Quadrate and pterygoid (Right)	PMU R 233 a	PMU 24705/1k	Page 8-9: vomer not recognised; part of quadratojugal thought to be present.	Plate 1., fig. 1 (lateral*); Plate 2, fig. 5 (medial), 6 (lateral) and 7 (posterior)	Page 127: showed that the lateral flange of the quadrate was not the quadratojugal as had been interpreted by Wiman. Page 128: noted that the pterygoid was broken immediately posterior of the ectopterygoid process.	Figure 2, a (lateral; upside down) and b (medial; upside down); Figure 6 (reversed; lateral*)	Page 209 (quadrate): fully described, interpreted to have been vertically oriented and to have had a deep posterior fossa, but also that the lateral margin of the posterior fossa and the articular end are damaged. Page 209 (pterygoid): fully described, but description was limited by the preservation and reconstruction of this element	-

Euhelopus zdanskyi holotype ("exemplar a")	nplar a") PMU R 233 PMU 24705 Wiman, 1929		ո, 1929	Mateer & M	IcIntosh, 1985	Wilson & Upchurch, 2009		
Element	Old number	New number	Description	Figure(s)	Description	Figure(s)	Description	Figure(s)
Dentary and surangular (Left)	PMU R 233 a	PMU 24705/1o	Page 10: Brief mention.	Plate 1, fig. 2 (lateral*), 3 (anterodorsal*) and 6 (medial)	Yes (surangular)	Figure 6 (lateral*)	Page 210 (dentary): fully described, U-shaped nature of the jaw highlighted; left surangular mentioned in specimen list on page 207	-
Dentary and surangular (Right)	PMU R 233 a	PMU 24705/1p	Page 10: Brief mention.	Plate 1, fig. 1 (lateral*), 3 (anterodorsal*), 5 (medial)	Yes (surangular, angular)	-	Page 210 (dentary): fully described; Page 210 (surangular): brief mention; right angular listed on page 207	-
Axis	PMU R 233 b	PMU 24705/2a	Page 12: Brief description.	Plate 3, fig. 1 (dorsal*), 2 (ventral*), 3 (left lateral*) and 5 (anterior)	-	-	Pages 211-212: fully described	Figure 7, a (left lateral) and b (right posterolateral)
Cervical III	PMU R 233 c	PMU 24705/3a	Pages 12-18: presacral vertebrae described in dedicated section	Plate 3, fig. 1 (dorsal*), 2 (ventral*), 3 (left lateral*), 6 (anterior) and 7 (posterior)	-	-	Pages 212-217 (postaxial cervical vertebrae): fully described	Figure 8 (right lateral)
Cervical IV	PMU R 233 d	PMU 24705/4	Pages 12-18: presacral vertebrae described in dedicated section	Plate 3, fig. 1 (dorsal*), 2 (ventral*), 3 (left lateral*) and 8 (anterior)	-	-	Pages 212-217 (postaxial cervical vertebrae): fully described; Pages 217-218 (ribs): fully described	
Cervical V	PMU R 233 e	PMU 24705/5	Pages 12-18: presacral vertebrae described in dedicated section	Plate 3, fig. 1 (dorsal*), 2 (ventral*) and 3 (left lateral*)	-	-	Pages 212-217 (postaxial cervical vertebrae): fully described; Pages 217-218 (ribs): fully described	
Cervical VI	PMU R 233 f	PMU 24705/6	Pages 12-18: presacral vertebrae described in dedicated section	Plate 3, fig. 1 (dorsal*), 2 (ventral*) and 3 (left lateral*)	-		Pages 212-217 (postaxial cervical vertebrae): fully described; Pages 217-218 (ribs): fully described	
Cervical VII-VIII	PMU R 233 g	PMU 24705/7a, 8	Pages 12-18: presacral vertebrae described in dedicated section	Plate 3, fig. 1 (dorsal*), 2 (ventral*), 3 (left lateral*) and 9 (VIII, posterior)	-	-	Pages 212-217 (postaxial cervical vertebrae): fully described; Pages 217-218 (ribs): fully described	Figure 9 (VIII, right lateral)
Cervical rib VII (Left)	PMU R 233 h	PMU 24705/7b	Pages 12-18: presacral vertebrae described in dedicated section	Plate 3, fig. 1 (dorsal*), 2 (ventral*) and 3 (left lateral*)	-	-	Pages 217-218 (cervical ribs): fully described	
Cervicals IX-X	PMU R 233 i	PMU 24705/9a, 10	Pages 12-18: presacral vertebrae described in dedicated section	Plate 3, fig. 1 (dorsal*), 2 (ventral*), 3 (left lateral*), 10 (IX, anterior) and 11 (X, posterior)	-	-	Pages 212-217 (postaxial cervical vertebrae): fully described; Pages 217-218 (ribs): fully described	Figure 10 (X, right lateral)
Cervical XI	PMU R 233 j	PMU 24705/11	Pages 12-18: presacral vertebrae described in dedicated section	Plate 3, fig. 1 (dorsal*), 2 (ventral*), 3 (left lateral*), 12 (anterior) and 13 (posterior)	-	-	Pages 212-217 (postaxial cervical vertebrae): fully described; Pages 217-218 (cervical ribs): fully described	

Euhelopus zdanskyi holotype ("exemplar a") PMU R 2:		MU R 233 PMU 24705	Wiman, 1929		Mateer & McIntosh, 1985		Wilson & Upchurch, 2009	
Element	Old number	New number	Description	Figure(s)	Description	Figure(s)	Description	Figure(s)
Cervicals XII-XIV	PMU R 233 k	PMU 24705/12-14	Pages 12-18: presacral vertebrae described in dedicated section	Plate 3, fig. 1 (dorsal*), 2 (ventral*), 3 (left lateral*), 14 (XII, anterior), 15 (XIV, posterior) and 16 (XIV, anterior)	-	-	Pages 212-217 (all postaxial cervical vertebrae): fully described; Pages 217-218 (ribs): fully described	Figure 11 (XIV, right lateral)
Cervicals XV-XVII and dorsal I	PMU R 233 I	PMU 24705/15-18	Pages 12-18: presacral vertebrae described in dedicated section	Plate 3, fig. 1 (dorsal*), 2 (ventral*), 3 (left lateral*) and 17 (dorsal I, posterior)	-	-	Pages 212-217 (postaxial cervical vertebrae): fully described; Pages 217-218 (ribs): fully described; Pages 218-219 (anterior dorsal vertebrae): fully described	Figure 11 (XV, right lateral); Figure 12 (XVI-XVII, right lateral)
Dorsals II-VIII	PMU R 233 m	PMU 24705/19-25	Pages 12-18: presacral vertebrae described in dedicated section	Plate 3, fig. 1 (dorsal*), 2 (ventral*), 3 (left lateral*), 4 (right lateral*) and 18 (II, anterior)	-	-	Pages 218-221: fully described	Figure 14 (VII, right lateral); Figure 15 (II-IV, dorsal); Figure 16 (II-V, right lateral); Figure 17 (VI, right lateral); Figure 18 (VII, right lateral)
Femur (Left)	PMU R 233 n	PMU 24705/28	Page 18: described as having a short well- developed fourth trochanter and spongy internal bone texture	Plate 3, fig. 20 (posterior), 21 (lateral), 22 (anterior) and 23 (proximal)	-	-	Pages 223-224: fully described	
Dorsal rib III (Left)	PMU R 233 o	PMU 24705/27a	Page 18: brief mention; pages 22-23: brief description	Plate 3, fig. 18 (anterior) and 19 (posterior)	-	-	Page 221: fully described	Figure 21 (posterior; proximal end only)
?Splenial (?Right)	PMU R 233 p	PMU 24705/1t	-	-	-	-	-	-
Rock associated with skull block	PMU R 233 q	PMU 24705/1x	-	-	-	-	-	-
Prearticular (Left)	PMU R 233 r	PMU 24705/1r	-	-	Page 128: described as a left and as being similar to the prearticular of Camarasaurus	Figure 4, a (lateral) and b (medial)	Page 207: mentioned in specimen list	-
Angular (Right)	PMU R 233 s	PMU 24705/1q	-	-	Page 128: described as the right angular, said to closely resemble the angular of <i>Camarasaurus</i>	Figure 4, c ("upper" = medial) and d ("lower" = lateral)	Page 210: described as the left angular, absence of evidence for mandibular fenestra noted	-
Nasal and Prefrontal (Right; caudal portion)	PMU R 233 t	PMU 24705/1d	-	-	Page 125: described as the right frontal	Figure 1, c (dorsal) and d (ventral)	Page 208: fully described as left nasal, interpreted as having anteromedial and anterolateral processes	-
Jugal (Right)	PMU R 233 u	PMU 24705/1u	-	-	-	-	-	-
Nasal (Right; rostral portion)	PMU R 233 v	PMU 24705/1c	-	-	-	-	-	-

Euhelopus zdanskyi holotype ("exemplar a")	PMU R 233	PMU 24705	Wiman, 1929		Mateer & McIntosh, 1985		Wilson & Upchurch, 2009	
Element	Old number	New number	Description	Figure(s)	Description	Figure(s)	Description	Figure(s)
	PMU R 233 w						-	-
Quadratojugal (Right; dorsal process)	PMU R 233 x	PMU 24705/1s	-	-	-	-	-	-
Postorbital (Right; jugal process)	PMU R 233 y	PMU 24705/1v	-	-	-	-	-	-
Quadratojugal (Left)	PMU R 233 z	PMU 24705/1i	-	-	Page 127: identified and likened to the quadratojugal of Camarasaurus and Giraffatitan (Brachiosaurus).	Figure 3, e (medial)	Page 209: fully described, both quadratojugals interpreted as having the tops of their anterodorsal processes (which may have contacted the squamosal) missing	-
Quadratojugal (Right)	PMU R 233 å	PMU 24705/1j	-	-	Page 127: identified and likened to the quadratojugal of Camarasaurus and Giraffatitan (Brachiosaurus).	Figure 3, f (medial); Figure 6 (reversed; lateral*)	Page 209: fully described, both quadratojugals interpreted as having the tops of their anterodorsal processes (which may have contacted the squamosal) missing	-
Pterygoid (Left; partial)	PMU R 233 ä	PMU 24705/1l	-	-	-	-	-	-
Pterygoid (Left; partial)	PMU R 233 ö	PMU 24705/1w	-	-	-	-		- =
Lacrimal (Left)	PMU R 233 α	PMU 24705/1e	-	-	Page 127: identified and briefly described; right is incorrectly stated to be the more complete	Figure 3, c (medial) and d (lateral); Figure 6 (upside down; lateral*)	Page 207: mentioned in specimen list	
Lacrimal (Right)	PMU R 233 β	PMU 24705/1f	-	-	Page 127: identified and briefly described; right is incorrectly stated to be the more complete	Figure 3, a (anterolateral; upside down) and b (posterolateral, upside down)	Page 207: mentioned in specimen list	-
Palatine (Right)	PMU R 233 γ	PMU 24705/1n	Page 8: described as a vomer.	Plate 2, fig. 8 (medial), 9 (ventral) and 10 (lateral).	Page 127: identified as vomer, briefly described.	Figure 2, c (lateral) and d (medial)	Page 209: fully described.	-
Palatine (Left)	PMU R 233 δ	PMU 24705/1m	Page 8: described as a vomer.	Plate 2, fig. 11 (medial)	Page 127: identified as vomer, briefly described.	-	Page 209: fully described.	-
Dorsal rib V (Left; proximal)	PMU R 233 ε	PMU 24705/27b	-	-	-	-	Page 221: incorrectly stated as absent	-
Dorsal rib (Left; proximal)	PMU R 233 ζ	PMU 24705/27c	-	-	-	-	Page 221: incorrectly stated as absent	-
Cervical rib II (proximal)	PMU R 233 η	PMU 24705/2b	-	-	-	-	Page 217: incorrectly stated as absent	-
Cervical rib III (Right)	РМU R 233 д	PMU 24705/3c	-	-	-	-	Page 217: incorrectly stated not to be present	-
Cervical ribs (distal) in matrix	PMU R 233 ι	PMU 24705/26h	-	-	-	-	-	-
Cervical rib (distal)	РМU R 233 к	PMU 24705/26a	-	-	-	-	Pages 217-218 (cervical ribs): fully described	-
Cervical rib (distal)	PMU R 233 λ	PMU 24705/26b	-	-	-	-	Pages 217-218 (cervical ribs): fully described	-

Euhelopus zdanskyi holotype ("exemplar a")	PMU R 233	PMU 24705	Wiman, 1929		Mateer & McIntosh, 1985		Wilson & Upchurch, 2009	
Element	Old number	New number	Description	Figure(s)	Description	Figure(s)	Description	Figure(s)
Cervical rib (distal)	PMU R 233 μ	PMU 24705/26c	-	-	-	-	Pages 217-218 (cervical	-
							ribs): fully described	
Cervical rib (distal)	PMU R 233 ν	PMU 24705/26d	-	-	-	-	Pages 217-218 (cervical	-
							ribs): fully described	
Cervical rib (distal)	PMU R 233 ξ	PMU 24705/26e	-	-	-	-	Pages 217-218 (cervical	-
							ribs): fully described	
Cervical rib (distal)	PMU R 233 o	PMU 24705/26f	-	-	-	-	Pages 217-218 (cervical	-
							ribs): fully described	
Cervical rib III (Left)	PMU R 233 _F	PMU 24705/3b	-	-	-	-	Page 217: incorrectly	-
							stated as absent	
Cervical rib IX (Left; distal)	-	PMU 24705/9b	-	-	-	-	Pages 217-218 (cervical	-
							ribs): fully described	
Cervical rib (distal)	-	PMU 24705/26g	-	-	-	-	Pages 217-218 (cervical	-
							ribs): fully described	
Cervical rib in matrix	-	PMU 24705/26i	-	-	-	-	-	-
Dorsal rib VII (mid-shaft)	-	PMU 24705/27d	-	-	-	-	Page 221: incorrectly	-
							stated as absent	
Unidentified element (fragmentary)		PMU 24705/29	-	-	-	-	-	-
Unidentified large element (fragmentary)	-	PMU 24705/30	-	-	-	-	-	-
Eight loose teeth with buttress at bottom	"PMU M 2983"	PMU 24705/1y	Page 10: brief mention	Plate 2, fig. 18; 19-20; 21-	-	-	Pages 210: fully described,	-
right when oriented with crown dorsally and				22; 23.			dental formula =	
root ventrally (i.e. left premaxillary or							premaxilla 4; maxilla 10;	
maxillary teeth, or right dentary teeth); likely							dentary 13; occlusal	
to be mostly, if not exclusively, right dentary							pattern, wear, enamel	
teeth since the left premaxilla and maxilla							texture and lingual	
have few if any vacant alveoli							buttresses all noted	
Seven teeth with buttress at bottom left when	"PMU M 2983"	PMU 24705/1y	Page 10: brief mention	Plate 2, fig. 12-13, 24; 14;	-	-	Pages 210: fully described,	-
oriented with crown dorsally and root				15; 16; 17.			dental formula =	
ventrally (i.e. right premaxillary or maxillary							premaxilla 4; maxilla 10;	
teeth, or left dentary teeth); likely to be							dentary 13; occlusal	
mostly, if not exclusively, left dentary teeth							pattern, wear, enamel	
since the right premaxilla and maxilla have							texture and lingual	
few vacant alveoli							buttresses all noted	

An asterisk (*) indicates that a bone is figured as part of a reconstruction. Elements described by Young (1935) are currently lost and not included in this list.

References

Mateer, N.J., McIntosh, J.S., 1985. A new reconstruction of the skull of *Euhelopus zdanskyi* (Saurischia: Sauropoda). **Bulletin of the Geological Institution of the University of Uppsala (new series)** 11, 124-132.

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Wiman, C., 1929. Die Kreide-Dinosaurier aus Shantung [The Cretaceous Dinosaur from Shantung]. Palaeontologia Sinica (Series C) 6, 1-67.