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SUPPLEMENTARY ONLINE MATERIAL FOR

A new species of saurolophine hadrosaurid dinosaur from the Late Cretaceous of the Pacific coast of North America

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SOM_1. The three new additional characters added to the character data of Prieto-Márquez (2010) for inferring the phylogenetic position of *Saurolophus morrisi*.

SOM_2. Character state coding of *Saurolophus morrisi*.

SOM_3. Character state coding of characters 287 through 289

References

SOM_1

The three new additional characters added to the character data of Prieto-Márquez (2010) for inferring the phylogenetic position of *Saurolophus morrisoni*.

287. Lateral profile of the dorsal margin of the rostrum (Prieto-Márquez, 2008): convex (0); straight to gently concave rostrally (1); deeply concave (2).

288. Frontal platform extending posterodorsally to form finger-shaped ramus that buttresses the underside of a nasal crest (Bell, 2010): absent (0); present (1).

289. Premaxilla, contour of the anterolateral thin everted oral margin: subangular (0); broadly arcuate in subadults and/or adults (1).

SOM_2

Character state coding of *Saurolophus morrisoni*. 286 of these characters correspond to the taxon-character matrix presented in Prieto-Márquez (2010). Characters 287 through 289 are defined in SOM_1. Codings for all other taxa are as in Prieto-Márquez (2010), except those in SOM_3.

23?131012? 00112?211? ?????????? ?021001??0 3110011?21 ?111001??? 121??10???
?0??00??0 ??-0??1012 02?1??2321 ??11001?00 ??0120111? 1?????0?1 ?????2100?
???10?0?? ?????????? 112????100 -?0--0??- ??----???? ?001?????? ?????1?????
1??11-?112 11??11?1? ?????????? ?????????? ?????????? ?????????? ?????????? ??1110111

SOM_3

Character state coding of characters 287 through 289 for the 49 iguanodontian (47 hadrosauroid) taxa other than *Saurolophus morrisoni* included in the phylogenetic analysis.

<i>Amurosaurus riabinini</i>	1-0
<i>Aralosaurus tuberiferus</i>	??0
<i>Brachylophosaurus canadensis</i>	0-0

<i>Bactrosaurus johnsoni</i>	0-0
Big Bend UTEP OTU	???
<i>Charonosaurus jiyinensis</i>	??0
<i>Corythosaurus casuarius</i>	1-0
<i>Corythosaurus intermedius</i>	1-0
<i>Gilmoreosaurus mongoliensis</i>	???
<i>Edmontosaurus annectens</i>	0-0
<i>Edmontosaurus regalis</i>	0-0
<i>Eolambia caroljonesa</i>	???
<i>Equijubus normani</i>	0-0
<i>Gryposaurus latidens</i>	10?
<i>Gryposaurus monumentensis</i>	100
<i>Gryposaurus notabilis</i>	100
<i>Hadrosaurus foulkii</i>	???
<i>Hypacrosaurus altispinus</i>	1-0
<i>Hypacrosaurus stebingeri</i>	1-0
<i>Iguanodon bernissartensis</i>	0-0
<i>Jaxartosaurus aralensis</i>	??0
<i>Kerberosaurus manakini</i>	???
<i>Kritosaurus navajovius</i>	??0
<i>Lambeosaurus lambei</i>	1-0
<i>Lambeosaurus laticaudus</i>	1-?
<i>Lambeosaurus magnicristatus</i>	1-0
<i>Lophorhothon atopus</i>	?-0
<i>Maiasaura peeblesorum</i>	0-0
<i>Mantellisaurus atherfieldensis</i>	0-0

<i>Olorotitan ararhensis</i>	1-?
<i>Pararhabdodon isonensis</i>	???
<i>Parasaurolophus cyrtocristatus</i>	??0
<i>Parasaurolophus tubicen</i>	??0
<i>Parasaurolophus walkeri</i>	1-0
<i>Probactrosaurus gobiensis</i>	0-0
<i>Prosaurolophus maximus</i>	110
<i>Protohadros byrdi</i>	0-?
Sabinas OTU	??0
<i>Sahaliyana elunchunorum</i>	??0
<i>Saurolophus angustirostris</i>	211
<i>Saurolophus osborni</i>	111
<i>Secernosaurus koernerii</i>	??0
<i>Shantungosaurus giganteus</i>	?-0
<i>Tanius sinensis</i>	??0
<i>Acristavus gagslarsoni</i>	0-0
<i>Tsintaosaurus spinorhinus</i>	1-0
<i>Velafrons coahuilensis</i>	1-0
<i>Willinakaqe salitralensis</i>	???
<i>Wulagasaurus dongi</i>	???

References

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