

Supplemental Table 2. Ontogenetically-variable characters in theropods with reference to published sources and characters within this dataset that are potentially affected.

Ontogenetically variable trait	Source	Characters potentially affected
Change in relative size of orbit	Varrichio, 1997; Carr, 1999; Bever and Norell, 2009	125: Size of infratemporal fenestra relative to orbit
Change in tooth count	Varrichio, 1997; Carr, 1999; Bever and Norell, 2009	220: Number of maxillary teeth; 230: Number of dentary teeth
Elongation of the facial bones, particularly maxilla	Varrichio, 1997; Carr, 1999; Bever and Norell, 2009	127: Length of preorbital region
Rounding of the premaxillary symphysis	Bever and Norell, 2009	4, 5: Fusion and shape of premaxillary symphysis
Elongation of external naris	Bever and Norell, 2009	52: Relative length of external naris
Elongation of antorbital fenestra	Bever and Norell, 2009	34: Relative length of antorbital fenestra;
Caudal shift in antorbital cavity relative to tooth row	Bever and Norell, 2009	219: Length of maxillary tooth row
Ventral deflection of angle of nasal	Bever and Norell, 2009	27: Offset of nasal process of maxilla

process of
maxilla

Changes in Bever and Norell, 20: Foramen on interfenestral pila
interfenestral 2009
pila

morphology

Development Varrichio, 1997; 46, 47, 50: various aspects of nasal
of cranial Carr and ornamentation; 62: Presence of jugal rugosity;
ornamentation Williamson, 2010 67: Presence of lacrimal crests; 90: Presence of
postorbital boss; 103: parietal boss

Inflation of Carr and 118: Inflation of ectopterygoid
ectopterygoid Williamson, 2010
body

Change in size Rauhut and Fechner, 17, 18, 19: Position of maxillary fenestra
of the maxillary 2005; Currie et al.,
fenestra 2003; Bever and
Norell, 2009

Development Currie, 2003 75: Lacrimal orbital spur; 93: Jugal postorbital
of 'spurs' in spur
orbital region

Changes in Carr, 1999 44: Curvature of ventral edge of maxilla
curvature of
ventral edge of
maxilla

Enlargement of Varrichio, 1997 101, 102: Aspects of sagittal crest morphology
sagittal crest

Increase in Varrichio, 1997 517: Insertion scar for m. iliofibularis
robustness of
muscle
insertion scars

Changes in limb proportions	Varrichio, 2002
Coossification of distal hindlimb bones	Allain et al., 2007