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SUPPLEMENTARY ONLINE MATERIAL FOR

Diversity of cingulate xenarthrans in the middle-late Eocene of Northwestern Argentina

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Supplementary Online Material

Table 1. Comparative chart of mammals present in the different Eocene units exposed at Northwestern Argentina.

Table 1. Comparative chart of mammals present in the different Eocene units exposed at Northwestern Argentina. Only are included taxa that were published and formally identified. From Powell et al. 2011; García-López and Powell 2011; Herrera et al. 2012; Woodburne et al. 2014; García-López and Babot 2015; Deraco and García-López 2016; and Armella et al. in press.

Geological units	Geste Formation (middle member)		Quebrada de Los Colorados Formation	Casa Grande Formation	Lumbrera Formation (lower section)	Lumbrera Formation (upper section)
Localities and radioisotopic age estimated	Antofagasta de la Sierra (Catamarca Province)	Laguna Pozuelos (Salta Province) 37.3–35.4 Ma	Cerro Tin Tin, Cerro Bayo and Luracatao Valley (Salta Province)	El Aguilar (Jujuy Province)	Carahuasi, El Simbolar and Tonco El Valley (Salta Province)	Río Juramento, Carahuasi and El Simbolar (Salta Province) 39.9 Ma
METATHERIA						
“AMERIDELPHIA” Szalay, 1982						
<i>Reigia punae</i> Pascual, 1983		X				
POLYDOLOPIMORPHIA Ameghino, 1897						
<i>Bonapartherium hinakusijum</i> Pascual 1980a					X	
<i>Bonapartherium serrensis</i> Goin, Candela, and López, 1998	X					
<i>Prepidolops didelphoides</i> Pascual 1980a					X	
<i>Prepidolops molinai</i> Pascual 1980b					X	
<i>Punadolops alonsoi</i> (Pascual 1983)	X	X				
SPARASSODONTA Ameghino, 1894						
<i>Patene simpsoni</i> Paula Couto 1952					X	
<i>Callistoe vincei</i> Babot, Powell, and Muizon 2002					X	
<i>Callistoe</i> sp.	X					
EUTHERIA						
CINGULATA, Illiger, 1811 Dasypodidae Gray, 1821 Dasypodinae Gray, 1821						
cf. <i>Astegotherium</i> sp.	X					
<i>Prostegotherium</i> sp.			X			
<i>Prostegotherium</i> sp. nov.?	X					
<i>Prostegotherium astrifer</i> Ameghino, 1902				X		
<i>Parastegosimpsonia</i> cf. <i>P. peruana</i>	X					
Dasypodinae indet.	X					
Euphractinae Winge, 1923						
<i>Parutaetus punensis</i> sp. nov.	X	X				
cf. <i>Utaetus</i> Ameghino, 1902			X			
Dasypodidae indet.						
<i>Pucatherium parvum</i>	X	X	X	X		X

Herrera, Powell, and del Papa 2012.						
<i>Punatherium catamarquensis</i> gen. et sp. nov.	X					
"CONDYLARTHRA" Didolodontidae Ameghino, 1897						
<i>Ernestokokenia</i> cf. <i>yirunhor</i> ?	X					
ASTRATHERIA Lydekker 1894 Astratheriidae Ameghino 1887						
<i>Albertogaudrya?</i> <i>carahuensis</i> Carbajal, Pascual, Pinedo, Salfity and Vucetich 1977					X	
LITOPTERNA Ameghino 1889 Adianthidae Ameghino 1891						
<i>Indalecia grandensis</i> Bond and Vucetich 1983					X	
PYROTHERIA Ameghino, 1895 Pyrotheriidae Ameghino, 1895						
<i>Propyrotherium</i> Ameghino, 1901	X					
NOTOUNGULATA Roth 1903 Notostylopidae Ameghino 1897						
<i>Boreastylops lumbrensis</i> Vucetich 1980					X	
Gen et sp. indet.	X					
TYPOTHERIA Zittel 1893 "Oldfieldthomasiidae" Simpson 1945						
<i>Colbertia lumbrense</i> Bond 1981					X	
<i>Colbertia</i> sp.	X					
<i>Suniodon catamarcensis</i> López 1995	X					
<i>Suniodon</i> sp.	X					
<i>Dolichostylodon saltensis</i> García López and Powell 2009						X
Campanorcoideae Bond, Vucetich, and Pascual 1984 (not formally described)						
<i>Campanorco inauguralis</i>						X
<i>Campanorco</i> sp.						X
Interatheriidae Ameghino 1887						
<i>Punapithecus minor</i> López and Bond 1995	X	X				
<i>Antofagastia turneri</i> García-López and Babot 2015	X					
cf. <i>Antofagastia</i>	X					
"Archaeohyracidae" Ameghino 1897						
<i>Punahyrax bondesioi</i> Reguero, Croft, López, and Alonso 2008	X	X				
TYPOTHERIA INDET.						
<i>Griphotherion peiranoi</i> García-López and Powell 2011					X	
Tyotheria indet. A	X					
Tyotheria indet. B	X					

TOXODONTIA Owen 1853						
Isotemnidae Ameghino 1897						
<i>Pampatemnus infernalis</i> Vucetich and Bond 1982					X	
<i>Pampatemnus deuterus</i> Vucetich and Bond 1982					X	
Isotemnidae indet.	X					
Notohippidae Ameghino, 1894						
<i>Pampahippus arenalesi</i> Bond and López 1993					X	
cf. <i>Pampahippus</i>	X					
<i>Pampahippus secundus</i> Deraco and García-López in press					X	
Leontiniidae Ameghino 1895						
<i>Martinmiguelia fernandezii</i> Bond and López 1995				X		
<i>Coquenia bondi</i> Deraco, Powell, and López 2008						X
Toxodontia indet.	X					
Notoungulata indet.	X					

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