

Article

Quaternary Mammals from Central-Western Argentina in the Stratigraphic Context of Southern South America

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Table S1. S7. Dimensions of the skull and the mandibular, dental, and postcranial elements of different Quaternary mammals from San Luis Province, Argentina.

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Table S1. The skull and upper dental measurements (in mm) of *Neosclerocalyptus paskoensis* from Barranquita Fm., El Carrizal. Abbreviations: L, length; Mf, upper molariform; W, width.

MHIN-UNSL-GEO V 488			
Maximal skull length			300
Maximal nasal width			180
Postorbital width			115
Skull height at Mf1 level			136
Skull height at Mf5 level			165
Maximal height of nostrils			62
Maximal width of nostrils			130
Maximal palatal length			-
Maximal palatal width at Mf1 level			40
Maximal palatal width at Mf5 level			35
Length of dental series (Mf1-6)			120
Mf1	middle lobe	L	10
		W	5.5
Mf2	middle lobe	L	15
		W	11
Mf3	middle lobe	L	-
		W	-
Mf4	middle lobe	L	19
		W	10
Mf5	middle lobe	L	20
		W	11
Mf6	middle lobe	L	19
		W	10.5
Mf7	middle lobe	L	-
		W	-
Mf8	middle lobe	L	-
		W	-

Table S2. Mandible and lower dental measurements (in mm) of *Neosclerocalyptus paskoensis* from Barranquita Fm., El Carrizal. Abbreviations: L, length; mf, lower molariform; W, width.

MHIN-UNSL-GEO V 489			
Maximal length			243
Alveolar length of pre-dental symphysis			35
Symphyseal length along the suture			97
Height of the horizontal ramus at mf1 level			45
Height of the horizontal ramus at mf5 level			71
Height of the horizontal ramus at mf8 level			66
Length of the ascending ramus at alveolar level			111
Height of the ascending ramus			187
Length of dental series			178
mf1	middle lobe	L	11
		W	6
mf2	middle lobe	L	16
		W	7
mf3	middle lobe	L	19
		W	9
mf4	middle lobe	L	20
		W	11
mf5	middle lobe	L	-
		W	-

mf6	middle lobe	L	-
		W	-
mf7	middle lobe	L	-
		W	-
mf8	middle lobe	L	-
		W	-

Table S3. Dimensions (in mm) of the long bones of *Scelidothorium leptocephalum* from Barranquita Fm., Pancanta Valley. Abbreviations: APD, anteroposterior diameter; dis., distal; distolat., distal-lateral side; distomed., distal-medial side; L, length; Max., maximal; TD, transversal diameter.

MHIN-UNSL-GEO					
Humerus	Max. L	TD proximal	TD max. dis.	TD diaphysis	
V 203	385	155	74	97	
Femur	Max. L	TD diaphysis	APD diaphysis	APD distolat.	APD distomed.
V 201	480	189	60	77	106
V 202	480	191	60	75	106
Tibia	Max. L	TD proximal	TD max. dis.	TD diaphysis	APD diaphysis
V 205	272	185	155	78	53
V 206	270	185	155	76	53

Table S4. Dimensions (in mm) of the calcaneus and astragalus of *Scelidothorium leptocephalum* from Barranquita Fm., Pancanta Valley. Abbreviations: APD, anteroposterior diameter; L, length; Max., maximal; TD, transversal diameter.

MHIN-UNSL-GEO					
Calcaneus	Max. L	TD proximal	minimal TD	TD max. dis.	
V 209	220	65	53	108	
Astragalus	APD	Max. TD	Lateral APD	Medial APD	
V 207	122	103	80	50	

Table S5. Postcranial measurements (in mm) of *Megatherium americanum* from Barranquita Fm., Arroyo Barranquita. Abbreviations: L, length; Max., maximal; TD, transversal diameter.

MHIN-UNSL-GEO	Max. L	TD proximal	TD distal
Humerus V 215	420	120	250
Radius V 213	480	89	-
Ulna V 213	480	200	-

Table S6. Dimensions (in mm) of the first phalanx of *Macrauchenia patachonica* from Barranquita Fm., Arroyo Los Araditos. Abbreviations: APD, anteroposterior diameter; L, length; Max., maximal; TD, transversal diameter.

MHIN-UNSL-GEO	Max. L	proximal TD	proximal APD	distal TD	distal APD
V 467	85.0	41.5	39.5	40.0	28.0

Table S7. Postcranial measurements (in mm) of *Notiomastodon platensis* from Río Conlara Fm., Punta del Agua. Abbreviations: ant., anterior; APD, anteroposterior diameter; H, height; L, length; Max., maximal; post., posterior; Prox., proximal; TD, transversal diameter.

MHIN-UNSL-GEO	Max. TD	Max TD ant. facets	Max TD post. facets	Max. H	Max. APD
Atlas V 224	420	250	220	290	150
Scapula V 221				800	580
Radius V 222	Prox. TD 106	Prox. APD 82.5	Max. H 640	Distal TD -	
Tibia V 223	130		520	140	