SUPPLEMENTARY MATERIAL

to the paper

Feeding ecology and habitat of Late Pleistocene *Equus* horses from west-central Mexico using carbon and oxygen isotopes variation

by

Alejandro H. Marín-Leyva, Joaquín Arroyo-Cabrales, María Luisa García-Zepeda, Javier Ponce-Saavedra, Peter Schaaf, Víctor Adrían Pérez-Crespo, Pedro Morales-Puente, Edith Cienfuegos-Alvarado, and María Teresa Alberdi

published in

Revista Mexicana de Ciencias Geológicas, 2016, 33(2), p. 157-169.

Table S1. Isotopic data and percent C4 plants in diets of Late Pleistocene horses from two localities in west-central Mexico.

Taxon	UF no.	Part	Site	$\delta^{13}C_{VPDB}$	Percent C_4	$\delta^{18}O_{VPDB}$	$\delta^{18}O_{VSMOW}$
E. cedralensis	**UM 153**	**P4 R**	**LC-PT**	**-1.24±0.2**	**75.10±1.33**	**-4.23±0.2**	**26.68±0.2**
E. cedralensis	UM 678	M3 R	LC-PT	0.24±**0.2**	84.95±**1.33**	-7.05±**0.2**	23.85±**0.2**
E. cedralensis	UM 40	M3 R	LC-PT	0.69±**0.2**	87.96±**1.33**	-4.02±**0.2**	26.89±**0.2**
E. cedralensis	UM 696	M3 R	LC-PT	0.24±**0.2**	84.90±**1.33**	-4.19±**0.2**	26.72±**0.2**
E. cedralensis	UM 334	M3 R	LC-PT	1.68±**0.2**	94.53±**1.33**	-6.22±**0.2**	24.69±**0.2**
E. conversidens	**UM 527**	**P4 L**	**LC-PT**	**0.03±0.2**	**83.55±1.33**	**-5.39±0.2**	**25.52±0.2**
E. conversidens	UM 105	M3 L	LC-PT	-1.93±**0.2**	70.44±**1.33**	-5.24±**0.2**	25.67±**0.2**
E. conversidens	UM 165	M3 L	LC-PT	-0.60±**0.2**	79.31±**1.33**	-4.84±**0.2**	26.06±**0.2**
E. conversidens	UM 330	M3 L	LC-PT	-0.26±**0.2**	81.57±**1.33**	-2.68±**0.2**	28.23±**0.2**
E. conversidens	UM 376	M3 L	LC-PT	-1.78±**0.2**	71.47±**1.33**	-5.85±**0.2**	25.05±**0.2**
E. mexicanus	**UM 686**	**P4 L**	**LC-PT**	**-1.50±0.2**	**73.36±1.33**	**-3.55±0.2**	**27.36±0.2**
E. mexicanus	UM 530	P4 L	LC-PT	-1.89±**0.2**	70.74±**1.33**	-5.77±**0.2**	25.14±**0.2**
E. mexicanus	UM 95	P4 R	LC-PT	-3.21±**0.2**	61.91±**1.33**	-2.28±**0.2**	28.63±**0.2**
E. mexicanus	UM 700	M3 R	LC-PT	-2.43±**0.2**	67.14±**1.33**	-5.29±**0.2**	25.62±**0.2**
E. mexicanus	UM 104	M3 L	LC-PT	-3.22±**0.2**	61.88±**1.33**	-4.51±**0.2**	26.4±**0.2**
E. cedralensis	**CPOEl 189**	**P4 R**	**LP-SA**	**0.45±0.2**	**86.36±1.33**	**-3.83±0.2**	**27.07±0.2**
E. cedralensis	CPOEl 265	P4 R	LP-SA	-0.56±**0.2**	79.57±**1.33**	-2.70±**0.2**	28.20±**0.2**
E. cedralensis	CPOEl 269	P4 R	LP-SA	-0.74±**0.2**	78.39±**1.33**	-3.40±**0.2**	27.50±**0.2**
E. cedralensis	CPOEl 252	P4 R	LP-SA	1.05±**0.2**	90.30±**1.33**	-2.28±**0.2**	28.62±**0.2**
E. cedralensis	UM 567	M3 R	LP-SA	-3.23±**0.2**	61.77±**1.33**	-7.94±**0.2**	22.96±**0.2**
E. conversidens	**CPOEl 267**	**P4 R**	**LP-SA**	**-2.71±0.2**	**65.24±1.33**	**-4.22±0.2**	**26.69±0.2**
E. conversidens	CPOEl 185	M3 R	LP-SA	-0.48±**0.2**	80.12±**1.33**	-6.58±**0.2**	24.33±**0.2**
E. conversidens	CPOEl 266	M3 L	LP-SA	-1.05±**0.2**	76.33±**1.33**	-6.00±**0.2**	24.91±**0.2**
E. conversidens	CPOEl 257	M3 R	LP-SA	0.44±**0.2**	86.27±**1.33**	-4.62±**0.2**	26.29±**0.2**
E. conversidens	CPOEl 255	M3 L	LP-SA	1.34±**0.2**	92.26±**1.33**	-5.24±**0.2**	25.67±**0.2**
E. mexicanus	**CPOEl 37**	**P4 L**	**LP-SA**	**-0.39±0.2**	**80.76±1.33**	**-4.54±0.2**	**26.37±0.2**
E. mexicanus	CPOEl 254	P4 L	LP-SA	-0.67±**0.2**	78.88±**1.33**	-4.84±**0.2**	26.07±**0.2**
E. mexicanus	CPOEl 253	P4 L	LP-SA	-0.43±**0.2**	80.47±**1.33**	-4.84±**0.2**	26.06±**0.2**
E. mexicanus	CPOEl 259	M3 L	LP-SA	-1.13±**0.2**	75.77±**1.33**	-4.25±**0.2**	26.65±**0.2**
E. mexicanus	CPOEl 256	M3 R	LP-SA	-1.70±**0.2**	71.97±**1.33**	-3.71±**0.2**	27.19±**0.2**

Notes and Abbreviations: All samples come from two localities: La Cinta-Portalitos (LC-PT) and La Piedad-Santa Ana (LP-SA). Fossils are stored in Colección Paleontológica, Universidad Michoacana de San Nicolás de Hidalgo (UM) and Colección Paleontológica, Organización Especial de Investigación, La Piedad, Michoacán (CPOEI). UF No. refers to cataloged specimens. Part of tooth analyzed. Abbreviations: L = left; R = right; P4 = fourth upper premolar; M3 = third upper molar; VPDB = Vienna Pee Dee Belemnite Limestone, SMOW: Vienna Standard Mean Ocean Water. Percentage of C_4 plants consumed based on Equation 1 [(100) δ^{13}Csample = (100 - *X*) δ^{13}C100%C_3enamel + (*X*) δ^{13}C100%C_4enamel], where enamel δ^{13}C100%C_3 value is -12.5 ‰ and enamel δ^{13}C100%C_4 value is 2.5 ‰, corresponding to estimates for the Late Pleistocene (Koch *et al.* 2004), and *X* is the percent of C_4 plants in the diet. $\delta^{18}O_{VSMOW}$ was calculated following Equation 2 $^{18}OVSMOW_{CO3}$=1.030901*$\delta^{18}O_{VPDB}$ + 30.91 (Faure, 1977), where $\delta^{18}O_{VPDB}$ is the value reported here for the samples.