Supplementary Information for

Smith et al. 2022. *Late Pleistocene megafauna extinction leads to missing pieces of ecological space in a North American mammal community*

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This PDF file Includes:

SI Materials and Methods

I. Study region and mammal communities.

We focus on the Edward Plateau of Texas. This geomorphic region of Cretaceous limestones contains many Pleistocene and Holocene cave sites, which have provided a rich abundance of late Quaternary fossils. Today, the Edwards Plateau includes a diversity of vegetation habitats and climatic regimes, with aridity increasing from the east to west; the central portion is a juniper-oak/mesquite-acacia savanna with an understory dominated by $_{C4}$ grasses (1–6). In the Pleistocene, this area was likely a more mesic open grassland ecosystem (6), which supported a high diversity of grazing and browsing mammals and their predators (7).

Faunal remains were deposited by a combination of fluvial events and raptor and carnivore accumulation within the cave (8). Thus, although Hall's Cave provides an abundant and diverse fossil record, the taphonomy likely means there is an underrepresentation of the largest-bodied mammals. This is exacerbated by their typically low density on the landscape, which leads to a lower probability of fossilization at any given locality (9). To get around these issues, we included fossils recovered from nearby cave sites to obtain a more complete representation of the local mammal community (5, 8, 10–22). Using methods described in Smith et al. (7), taxa were included in our community if the straight-line distance from the fossil site where they were recovered to Hall's Cave was within the estimated average home range, natal dispersal or typical migration distance for mammals of their size and trophic guild. Faunal lists, ages and geological coordinates were downloaded for other Texas paleontological sites from *NEOTOMA* (*http://www.neotomadb.org*), TMM's Specify (*https://specify-portal.tacc.utexas.edu*) and/or by examining specimens from these sites housed at TMM. These sources and the Paleobiology Database (*https://paleobiodb.org/#/*) were used to verify specimen identity. Bison taxonomy at Lubbock Lake was refined using Johnson (23). A summary of our complete faunal list is provided in Table S1; raw data for body mass is included in Table S2, that for isotopes in Table S5. Only for a subset of our data were body mass and isotopic determinations possible for the same specimen.

II. Determination of body mass

Generalized body masses for most late Quaternary mammals are available from an updated version of MOM v10.2 (24). However, these data were geographically averaged and moreover, did not allow us to investigate body size as a possible response to the Pleistocene megafauna extinction. Consequently, site-specific body mass was preferentially determined using measurements of cranial and postcranial materials from fossils housed at TMM. For a few taxa (i.e., *Stockoceros sp., Leopardus wiedii, Puma concolor, Taxidea taxus, Glyptotherium floradanum, Conepatus leuconotus, Bootherium bombifrons, Cuvieronius sp., Dasypus sp.*), we were unable to obtain a site-specific body mass either because of a lack of specimens or the lack of an appropriate regression equation (Tables S1,2). For those species, we relied on the MOM database.

While many studies often employ generalized allometric regressions to translate measurements of elements into body mass, we aimed for family-specific relationships, which were more precise. Hence, using published literature sources (25-40), we obtained the appropriate allometric regression to translate measurements into estimates of body mass (Table S2). However, many elements, or mammal clades, did not have corresponding body mass-element regressions. We took two approaches in such instances.

First, we developed a series of allometric equations for a number of cranial and postcranial elements for several carnivoran families (Canidae, Felidae, Mustelidae and Ursidae) as well as more general ungulate, Afrotheria and Xenarthra groups. We collected cranial (e.g., skull and molar) and post-cranial (e.g., femur, humerus, etc.) measurements, along with tag body mass records, for 291 carnivoran specimens spanning

the body size spectrum from the mammal collections at the Minneapolis Museum of Natural History (Table S3). It was not possible to measure all elements from each museum specimen. In particular, body mass was sometimes missing. However, because body length was generally reported, even if body mass was not, we regressed these measures in R Studio (function lm() from package 'stats') to develop body mass estimates for those species missing data. Linear regressions were run between each base10 log transformed element and body mass for each carnivorian family and for all carnivores combined, with and without the estimated body mass (Table S4). Because results were invariant, we preferentially employed the regressions based on the full data. We also downloaded long bone data from Campione and Evans for Xenarthra and Afrotheria, and molar data from Mendoza et al. (33) and conducted similar regressions (Table S4). The developed regressions were used to translate our measurements of fossil materials at TMM into body mass.

Second, when we were unable to obtain specific allometric regressions for particular elements, we calibrated fossil elements against elements where regressions were available. For example, we estimated the body size of several *Smilodon* and *Homotheirum* specimens for which we only had upper fourth premolars (UP4s) using allometric regressions for the first lower molar (LM1). To do so, we first calculated the average difference between UP4s and LM1s using digital images of 3 modern specimens of large-bodied felids: *Panthera onca* CN 842 (41), *Panthera tigris* (42) and *Panthera atrox* UF 9076 (Florida Museum Vertebrate Paleontology Database at the University of Florida). Length measurements of corresponding UP4 and LM1 were taken using the Line Tool in ImageJ 1.50i (43), with scale bars used to individually Set Scale. Each length measurement was made 3 times and we used the average to calculate the UP4/LM1 ratio. The standard deviation of all length measurements was below 0.05. Not surprisingly, we found remarkable consistency in the relationship between the size of teeth within felids: the upper fourth premolar was on average 38% longer than the lower first molar, with a standard deviation of approximately 0.06. Consequently, we were able to standardize the UP4 measurements for *Smilodon* and *Homotherium* specimens by dividing each by ~1.38 and then applying the allometric regression for LM1 to estimate body mass. In total, we applied this method to 10 UP4s (7 *Homotherium* and 3 *Smilodon*); all estimated body masses fell well within the range of each species (e.g., Table S2). We judged this approach to be much more defensible than simply using regressions developed for other clades or other molars, as is often done.

Our data were error checked to identify potential outliers: specimens that may have been misidentified as to taxonomic affiliation and/or element by plotting the overall distribution for each taxon at each time interval. Then, the mean, median and standard deviation of site-specific body mass was computed for each time period and the change in mass, if any, computed for surviving mammals. Changes in body mass between Pleistocene and Holocene were assessed using ANOVA and two sample t-test for 13 species, including a comparison between the Pleistocene species *Bison antiquus* and Holocene *Bison bison* (Table S7). ANOVAs and two-sided Welch two sample t-tests were run on each species to determine whether changes were significant using the aov() and t.test() functions in R 3.6.0 (44) with RStudio (45). We then ran a Bonferroni correction for a significance level of 0.05, with significant differences in mass between time intervals being considered only marginal if the t-test p-values below 0.05 were not also below the corrected value (here, 0.0038). Additionally, we repeated the process for the 5 extant species with both Holocene and Modern mass data (Table S7). ANOVAs and Tukey multiple comparisons of means were to investigate the potential influence of specific locations on our results.

II. Isotopic determinations and analysis

Chemical preparation and isotopic analysis. For most specimens, we analyzed bone collagen, as this tissue provides an integrated estimate of multiple years of dietary information prior to animal death (46, 47). For these, we removed ~100-mg of bone from each specimen using a high-speed Dremel tool. The bone subsamples were then cleaned of sediment and the mineral fraction was removed via 0.25 M hydrochloric acid soaks for 15-72 hours at 5°C. The resulting organic material was rinsed with deionized water three

times and then lipid extracted via three sequential 24 hour soaks in 2:1 chloroform:methanol at room temperature. Following lipid extraction, samples were rinsed thoroughly with deionized water and lyophilized. The $\delta^{13}C$ and $\delta^{15}N$ values for each sample, along with weight percent [C] and [N], were measured via EA-IRMS using a Costech 4010 elemental analyzer (Valencia, CA) interfaced with a Thermo Scientific Delta V Plus isotope ratio mass spectrometer (Bremen, Germany) at the University of New Mexico Center for Stable Isotopes (UNM CSI, Albuquerque, NM). The within-run standard deviation of multiple organic reference materials run alongside unknown samples was ≤0.2‰ for both $\delta^{13}C$ and $\delta^{15}N$ values. As a control for the quality of collagen, we calculated the atomic percent [C]:[N] ratio of each sample from measured weight percent [C]:[N] values. The theoretical range of atomic [C]:[N] from unaltered bone collagen is 2.8–3.6 (48); 760 of our measured specimens fell within this range. In our final dataset, we also included 21 specimens with atomic C:N ratios of 3.7 to 3.8 which had isotopic values within the range of other conspecifics, as well as a singleton *Arctodus* specimen. We removed the remaining 97 samples with atomic [C]:[N] ≧3.9 from all subsequent analyses.

For some taxa and sites with poor preservation of bone collagen, we extracted apatite from tooth enamel. Each specimen was inspected for signs of enamel degradation. If enamel appeared unaltered, at least 300 micrograms of enamel was collected from a single tooth using a Dremel drill with a diamond bit. Samples were placed in a 3% hydrogen peroxide solution for 15 minutes to remove organics, then triple rinsed with deionized water, followed by a buffered acetic acid treatment to remove secondary carbonates, and a final triple rinse in deionized water. Enamel samples were run at the University of Arkansas (n=41) Stable Isotope Laboratory using a Thermo Scientific Delta Plus XP isotope ratio mass spectrometer with a GasBench II unit (Bremen, Germany) using NBS-19 calcite standards, and at UNM CSI (n=64) using a Thermo Scientific Delta V also equipped with a GasBench II unit.

Isotopic corrections: collagen-enamel $\delta^{13}C$ spacing. In order to directly compare isotopic data from extracted bone collagen and tooth enamel, we corrected enamel values to collagen-equivalents as has been done elsewhere (49). The carbon isotope composition of bone collagen and apatite are positively correlated, with bone collagen having lower $\delta^{13}C$ values than apatite (49). However, the magnitude of this isotopic offset ($\Delta^{13}C_{apatite\text{-}collagen}$) varies as a function of digestive physiology (50), and we further explored the offset between collagen and enamel using data sourced from Codron et al. (49). First, using reduced major axis, we regressed collagen and apatite $\delta^{13}C$ values collected from the same individuals to explore variation in apatite-collagen relationships by herbivore digestion type (ruminant and non-ruminants) and carnivore guild (canids, felids) (49). All regressions were highly significant and although intercepts varied, most slopes did not deviate from the one-to one line (Table S6). Second, we computed the average offset between collagen and apatite among herbivore digestion types and carnivore guilds (Table S6). Previous work suggests that herbivores generally have larger offsets than carnivores, and among herbivores, ruminants have larger offsets than non-ruminants (46). However, while we found this to be true for herbivores and carnivores, ruminants and non-ruminants shared essentially the same offsets (Table S6). Here, we used offsets computed from the Codron et al. dataset to correct our measured enamel values to collagen equivalents (Table S5): ruminants (8.8 ± 2.2‰), non-ruminants (8.8 ± 1.8‰) canids (5.0 ± 1.2‰) and felids (4.4 ± 1.2‰). This approach has been used extensively in the literature (49).

Influence of tissue type. The isotope samples in our dataset were taken from a variety of bone and tooth elements, hence, we examined if results were biased by skeletal element. Using our dataset (Table S5), we ran a series of ANOVAs with Bonferroni corrections to examine whether $\delta^{13}C$ and $\delta^{15}N$ values were influenced by the element analyzed. We assigned bone tissues into one of five simplified categories: skull, tooth root, body, limb, and undetermined bone. Analyses were conducted for each time interval (Pleistocene and Holocene) between the raw $\delta^{13}C$ values from enamel across tooth elements, and the raw $\delta^{13}C$ and $\delta^{15}N$ values from collagen across our five bone element categories. We also ran analyses of corrected $\delta^{13}C$ values for all teeth lumped together into a single "tooth" category against our simplified collagen categories to check for potential biases that might arise from mixing ‘collagen equivalents’ (i.e., corrected $\delta^{13}C$ values

derived from tooth enamel) with our collagen values. Finally, we downloaded the raw isotopic data presented in the Codron et al. (49) study, which included element type (bone, molar and molar positions) and analyzed taxa for whom multiple elements were sampled. Here, we were able to compare molar position, and molar *versus* bone samples, for 9 additional mammal species.

We found no difference in $\delta^{13}C$ and $\delta^{15}N$ values of collagen between elements (including between tooth root and other bone collagen elements), or among corrected $\delta^{13}C$ values of bone and tooth samples (Table S8, S9). It was interesting that $\delta^{13}C$ values did not differ by tooth position (Table S8, S9), despite differences in time of eruption during ontogeny. Indeed, only one comparison was significant after Bonferroni correction for multiple comparisons (bone *versus* M3; Table S8). Thus, we conclude that combining enamel- and collagen-derived values, and/or different adult molar types, did not produce biases in our dataset. Consequently, while we report these data separately in Table S1 for complete transparency, our figures combine data from bone collagen representing multiple elements, as well as corrected enamel $\delta^{13}C$ values.

Statistical analysis with isotopic data. As was done with mass, changes in $\delta^{13}C$ and $\delta^{15}N$ values between the Pleistocene and Holocene were assessed using ANOVA and two-sided Welch two sample t-tests. A Bonferroni correction using a significance level of 0.05 was employed (corrected significance value = 0.0035; Table S7). ANOVAs and Tukey multiple comparisons of means were also run to examine if $\delta^{13}C$ and $\delta^{15}N$ values of species varied by location.

Exploring the diet of ancient carnivores. We characterized the dietary space for Pleistocene felids and canids and Holocene jaguars to explore patterns in prey preferences among carnivore guilds. (Fig. 3). We first computed weighted averages of $\delta^{13}C$ and $\delta^{15}N$ for each herbivore functional guild (browsers, mixed feeders, and grazers; excluding *Lepus* and *Sylvilagus*) from species level averages. For the error bars around each prey group, we computed a propagated standard deviation, calculated using the variability in the $\delta^{13}C$ and $\delta^{15}N$ values of each herbivore guild as well as uncertainty in trophic discrimination factors (i.e., 1.0‰ for both isotope systems). Hence, prey error bars = $(\sigma^2_{\text{herbivore guild}} + \sigma^2_{\text{discrimation}})^{1/2}$. We used predator-prey trophic discrimination factors (collagen-collagen TDFs) of 1.0‰ and 4.5‰ for $\delta^{13}C$ and $\delta^{15}N$, respectively. While 3‰ is often used as a standard trophic discrimination factor, hypercarnivores tend to have larger offsets due to high protein consumption (52, 53). After accounting for TDFs, the isotopic values of *Homotherium* and *Smilodon* were situated on the very edge of the potential prey space, indicating a potential missing source (Fig. 3a). Given previous hypotheses about the diet of these animals (54, 55), we subsequently included juvenile grazers as a possible food source by using the weighted mean isotope value of Pleistocene grazers in our dataset and employing a mother-young trophic discrimination factor of 0.5‰ for $\delta^{13}C$, and 1.5‰ for $\delta^{15}N$.

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Table S1. Meso-and Mega Mammal Species Summary for Hall's Cave Community. See Tables S2 and S5 for raw morphology and isotope data

									Pleistocene												Holocene								
Status	Order	Family	Genus	Species	Common Name	Main Trophic Category	Body Mass (kg)	MOM Log Mass (g)	N mass	Site Specific Mass (kg)	Site Specific Mass Stdev	Number sampled for Stable Isotope Analysis (3)	N collagen	Mean Collagen δ13C (‰)	Collagen δ13C Stdev (‰)	Mean δ15N (‰)	Mean δ15N Stdev (‰)	N enamel	Corrected enamel δ13C (‰)	Mean Enamel δ13C Stdev (‰)	N mass	Site Specific Mass (kg)	Site Specific Mass Stdev	Number sampled for Stable Isotope Analysis	N collagen	Mean Collagen δ13C (‰)	Collagen δ13C Stdev (‰)	Mean δ15N (‰)	δ15N Stdev (‰)	N enamel	Mean Corrected Enamel δ13C (‰)	Enamel δ13C Stdev (‰)	Comments
Extant	Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	Pronghorn	browser	46.1	4.66	9	58.3	24.1	2	2	-18.9	0.3	6.7	0.4	0	n/a	n/a	11	52.1	17.9	27	18	-19.1	1.5	6.5	1	8	-18.9	2.1	
Extinct	Artiodactyla	Antilocapridae	*Capromeryx*	*minor*	Dwarf pronghorn	browser	15	4.18	7	18.5	8.7	2	0	bdl	n/a	bdl	n/a	1	-20.7	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Artiodactyla	Antilocapridae	*Stockoceros*	*sp.*	Four-horned pronghorn	browser	53	4.72	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Artiodactyla	Antilocapridae	*Tetrameryx*	*shuleri*	Four-horned pronghorn	browser	60	4.78	9	116.9	43.8	1	1	-18.1	n/a	5.2	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Artiodactyla	Bovidae	*Bison*	*antiquus*	Ancient bison	grazer	802	5.90	65	778.5	281.0	13	2	-10.8	2.1	8.7	2.4	9	-9.1	1.4	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Artiodactyla	Bovidae	*Bison*	*bison*	Bison	grazer	579	5.76	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	66	476.7	212.0	50	31	-10.3	1.4	6.1	0.7	18	-9.8	1.8	
Extinct	Artiodactyla	Bovidae	*Bison*	*latifrons*	Long-horned bison	grazer	900	5.95	18	1292.8	526.8	2	0	bdl	n/a	bdl	n/a	1	-8.5	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Artiodactyla	Bovidae	*Bison*	*sp.*	either *B. latifrons* or *B. antiquus*	grazer	851	5.93	253	860.6	320.1	54	18	-11.1	2.1	8.4	1.6	31	10.4	2.1	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Artiodactyla	Bovidae	*Bootherium*	*bombifrons*[1]	Woodland muskox	mixed feeder	423	5.63	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Artiodactyla	Camelidae	*Camelops*	*hesternus*	Yesterday's camel	mixed feeder	1100	6.04	38	1158.9	427.1	36	0	bdl	n/a	bdl	n/a	31	-16.1	4.6	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Artiodactyla	Camelidae	*Hemiauchenia*	*macrocephala*	Large-headed llama	mixed feeder	110	5.04	2	372.9	93.8	2	0	bdl	n/a	bdl	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	Stout-legged llama	mixed feeder	223	5.35	33	253.4	67.4	17	0	bdl	n/a	bdl	n/a	15	-20.2	0.9	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Artiodactyla	Cervidae	*Navahoceros*	*fricki*	American mountain deer	browser	250	5.40	1	161.3	NA	1	0	n/a	n/a	n/a	n/a	1	-18.3	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Artiodactyla	Cervidae	*Odocoileus*	*sp*	Deer	browser	55	4.74	46	61.4	18.5	25	12	-19.2	0.8	7.1	2	10	-20.9	0.7	123	73.4	31.8	69	57	-19.1	1.3	6.5	1	7	-20.2	1.8	
Extinct	Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	Long-nosed peccary	Browser	75	4.88	15	72.2	29.8	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Artiodactyla	Tayassuidae	*Pecari*	*tajacu*	Collared peccary	mixed feeder	21.3	4.33	2	31.2	0.6	2	2	-16.1	0.5	7.2	0.2	0	n/a	n/a	0	n/a	n/a	2	2	-16.5	0.1	6.4	0.5	0	n/a	n/a	
Extinct	Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	Flat-headed peccary	browser	136	5.13	18	81.6	23.8	5	0	bdl	n/a	bdl	n/a	4	-17.7	0.2	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Carnivora	Canidae	*Canis*	*dirus*	Dire wolf	carnivore	65.0	4.81	51	55.2	18.3	16	5	-11.7	0.9	12.7	0.8	3	-10.4	1.1	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Carnivora	Canidae	*Canis*	*familiaris*	domestic dog	carnivore	n/a		4	11.5	4.2	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	16	8.4	1.9	5	4	-17.4	2.2	8.4	0.5	0	n/a	n/a	
Extant	Carnivora	Canidae	*Canis*	*latrans*	coyote	carnivore	13.4	4.13	68	10.4	3.4	10	5	-14.9	1.9	9.6	1.6	0	n/a	n/a	29	9.6	3.2	23	23	-13.5	2.7	9.4	1.8	0	n/a	n/a	Modern N=63, Mean=12.0
Extant	Carnivora	Canidae	*Canis*	*latrans/familiaris*	coyote or dog	carnivore	15.0	4.18	30	9.1	2.0	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	20	9.5	2.8	12	11	-15.7	2.4	9	1.2	0	n/a	n/a	
Extant	Carnivora	Canidae	*Canis*	*lupus*	Wolf	carnivore	19.9	4.30	15	29.3	8.1	3	3	-13.3	2.8	11.8	1.4	0	n/a	n/a	10	28.0	6.3	8	8	-11.5	3.8	9.8	1.9	0	n/a	n/a	Modern N=29, Mean=21.7+3.2
Extant/ Extinct	Carnivora	Canidae	*Canis*	*sp.*	wolf, coyote or dog	carnivore	11.4	4.06	1	7.2	n/a	3	3	-15.5	3.5	8.8	3.7	0	n/a	n/a	3	6.0	0.2	22	19	-14.4	1.9	9.1	1.7	0	n/a	n/a	
Extant	Carnivora	Canidae	*Urocyon*	*cinereoargentous*	Grey fox	carnivore	3.8	3.58	9	3.0	1.1	1	0	bdl	n/a	bdl	n/a	0	n/a	n/a	0	n/a	n/a	1	0	bdl	n/a	bdl	n/a	0	n/a	n/a	Modern N=15, Mean=2.5+0.33
Extant	Carnivora	Canidae	*Urocyon/Vulpes*	*sp.*	Grey or red fox	carnivore	3.3	3.52	6	3.0	0.7	2	2	-15.9	0.4	10.1	0.3	0	n/a	n/a	2	4.0	0.9	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Carnivora	Canidae	*Vulpes*	*sp.*	swift, kit or red fox	carnivore	2.8	3.45	19	2.6	0.8	3	0	bdl	n/a	bdl	n/a	0	n/a	n/a	6	2.7	1.4	2	1	-14.4	n/a	11.7	n/a	0	n/a	n/a	*Modern: V. macrotis*, N=18, Mean

Extinct	Carnivora	Felidae	*Homotherium*	*serum*	Scimitar-toothed cat	carnivore	189	5.28	34	146.09	30.71	13	4	-8.8	0.2	14.2	0.3	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Carnivora	Felidae	*Leopardus (Felis)*	*wiedii (amnicola)*	margay	carnivore	4.6	3.66	0	n/a	n/a	1	1	-18.8	n/a	12.7	n/a	0	n/a	n/a	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Carnivora	Felidae	*Lynx*	*rufus*	Bobcat	carnivore	8.9	3.95	10	11.1	3.0	5	5	-17.7	1.7	6.8	1.1	0	n/a	n/a	9	15.9	7.1	12	10	-15.6	1.3	9.1	1	0	n/a	n/a	Modern N=16, Mean
Extinct	Carnivora	Felidae	*Panthera*	*leo atrox*	Cave lion	carnivore	433	5.64	3	214.9	33.9	2	0	n/a	n/a	n/a	n/a	2	-10.8	2.7	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Carnivora	Felidae	*Panthera*	*onca*	Jaguar	carnivore	100.0	5.00	3	91.9	17.4	5	3	-15.3	2.1	12.1	0.9	1	-16.5	n/a	0	n/a	n/a	4	4	-10.3	0.3	13.1	0.3	0	n/a	n/a	
Extant	Carnivora	Felidae	*Puma*	*concolor*	Mountain lion	carnivore	51.6	4.71	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	0	n/a	n/a	6	4	-14.8	3.3	9.6	1.4	0	n/a	n/a	
Extinct	Carnivora	Felidae	*Smilodon*	*fatalis*	Dirk-toothed cat	carnivore	400	5.60	15	175.22	89.90	12	1	-8.8	n/a	13.5	n/a	4	-9.9	3.3	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Carnivora	Mephitidae	*Conepatus*	*leuconotus*	Hog-nosed skunk	insectivore	3.5	3.54	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	2	2.8	0.7	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Carnivora	Mephitidae	*Mephitis*	*mephitis*	Striped skunk	omnivore	2.1	3.32	9	2.3	1.0	4	4	-15.3	0.9	9.6	2.7	0	n/a	n/a	2	2.0	0.2	7	7	-14.9	1.8	9.5	1.8	0	n/a	n/a	Modern N=16, Mean =1.54
Extant	Carnivora	Mephitidae	*Spilogale*	*sp.*	skunk	omnivore	0.3	2.53	5	0.8	0.2	10	10	-17.4	1.1	9.9	1.6	0	n/a	n/a	0	n/a	n/a	4	4	-16.9	1.3	11	2.1	0	n/a	n/a	
Extant	Carnivora	Mustelidae	Indet.	n/a	Weasel or baadger	carnivore	n/a	n/a	1	8.5	n/a	1	1	-16.1	n/a	12.6	n/a	0	n/a	n/a	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Carnivora	Mustelidae	*Taxidea*	*taxus*	Badger	carnivore	7.1	3.85	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	2	8.4	3.3	8	8	-14.8	2	10.5	1.4	0	n/a	n/a	
Extant	Carnivora	Procyonidae	*Bassariscus*	*astutus*	Ring-tailed cat	carnivore	1.1	3.05	1	0.9	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	Modern N=16, Mean=1.5+0.84
Extant	Carnivora	Procyonidae	*Procyon*	*lotor*	Raccoon	omnivore	5.5	3.74	3	5.8	6.2	2	2	-17.4	1.3	8.7	0.7	0	n/a	n/a	13	7.1	5.7	14	12	-16.2	1.6	8.7	2.2	0	n/a	n/a	
Extinct	Carnivora	Ursidae	*Arctodus*	*simus*	Short-faced bear	carnivore	720	5.86	3	254.6	47.1	2	1	-16.5	n/a	9.7	1.5	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Carnivora	Ursidae	*Tremarctos*	*floridanus*	Florida spectacled bear	browser	150	5.18	2	231.7	148.0	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Carnivora	Ursidae	*Ursus*	*americanus*	Black bear	omnivore	99.9	5.00	15	178.5	60.9	8	5	-18.8	1.1	5.8	2.1	0	n/a	n/a	7	173.7	74.5	6	6	-18.2	1	5.7	1.1	0	n/a	n/a	
Extinct	Cingulata	Dasypodidae	*Dasypus*	*bellus*	armadillo	omnivore	45.0	4.65	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Cingulata	Dasypodidae	*Dasypus*	*novemcinctus*	armadillo	omnivore	4.2	3.62	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0.0	n/a	n/a	
Extinct	Cingulata	Glyptodontidae	*Glyptotherium*[2]	*floridanum*	Glyptodont	grazer	1100	6.04	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Cingulata	Pampatheriidae	*Holmesina*	*septentrionalis*	Pampathere	grazer/mixed-feeder	230	5.36	2	100.6	55.6	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Didelphimorphia	Didelphidae	*Didelphis*	*virginiana*	Virginia opossum	omnivore	2.2	3.34	1	2.8	NA	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	0	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extant	Lagomorpha	Leporidae	*Lepus*	*californicus*	Jackrabbit	browser	2.4	3.38	9	2.8	1.1	40	38	-18.3	3.3	5.8	2.3	0	n/a	n/a	19	4.5	1.8	100	98	-16.3	3.2	5.3	1.4	0	n/a	n/a	Modern N=6, Mean =
Extant	Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	Cottontail rabbit	browser	1.2	3.07	73	1.0	0.4	111	110	-18.7	1.9	4.7	1.5	1	-19.1	n/a	151	0.8	0.4	201	200	-17.6	2.6	5.3	1	0	n/a	n/a	Modern N=11, Mean =
Extinct	Perissodactyla	Equidae	*Equus*	*sp.*	Horse	grazer	465	5.67	279	534.1	239.2	104	5	-13.9	4.1	7.2	1.3	99	-12	2	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	Vero tapir	browser	275	5.44	13	287.9	87.9	7	0	n/a	n/a	n/a	n/a	7	-20.1	0.6	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Pilosa	Megalonychidae	*Megalonyx*	*jeffersonii*	Jefferson's ground sloth	browser	600	5.78	3	784.6	363.5	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Pilosa	Mylodontidae	*Paramylodon*	*harlani*	Harlan's ground sloth	grazer/mixed-feeder	1587	6.20	7	2450.0	4873.9	1	0	bdl	n/a	bdl	n/a	0	n/a	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Proboscidea	Elephantidae	*Mammuthus*	*sp.*	Mammoth	grazer	8000	6.90	23	7607.3	1938.9	96	0	bdl	n/a	bdl	n/a	91	-11.1	1.7	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Proboscidea	Gomphotheriidae	*Cuvieronius*	sp.	Gomphothere	mixed feeder	5000	6.70	0	n/a	n/a	1	0	n/a	n/a	n/a	n/a	1	-16.2	n/a	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	
Extinct	Proboscidea	Mammutidae	*Mammut*	*americanum*	Mastodon	browser	4524	6.66	2	7653.7	206.6	36	3	-20.6	3.9	4.7	2.1	31	-19.4	1.1	n/a	n/a	n/a	0	0	n/a	n/a	n/a	n/a	0	n/a	n/a	

1 Animal known from aDNA conducted on sediments and bulk bone samples at Hall's Cave; no bones available for morphology or isotopes

2 Only reported from oldest deposits

3 Number of specimens sampled for SIA; not all yielded valid samples (see SI for details)

Table S2. Morphology measurements for fossils

Order	Family	Genus	species	Locality ID (TMM)	TMM ID	Site Name	County (all in TX, unless specified)	Age	Source	Element	Description	R or L?	Diameter (cm)	Circumference (cm)	Length (cm)	Width (cm)	Height (cm)	Body mass (kg)	Body mass equation employed	R2	%PE	Source for body mass equation
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	40541	221	Starveout Cave	Carson	Holocene	Present study	LM3	length of third lower molar	R			1.53	0.58		20.9	Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35	0.93	47.2	selenodonts broswers, Table 16.9; Damuth and MacFadden
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	41196 or 40531	a-a	Brazos river	Brazos	Pleistocene	Present study	LM3	length of third lower molar	L			1.59	0.83		23.5	Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35	0.93	47.2	selenodonts broswers, Table 16.9; Damuth and MacFadden
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	892	a-a	Lubbock Lake	Lubbock	Pleistocene	Present study	UM2	length of second upper molar	R			1.25	0.73		24.8	Log(Body mass, g) = 3.34*Log(UM2, mm) +0.73	94.00	39.9	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	40541	101	Starveout Cave	Carson	Holocene	Present study	LP4	length of fourth lower premolar	L			1.03	0.65		28.2	Log(Body mass, g) = 3.11*Log(LP4, mm) + 1.3	0.90	57.0	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	40541	1229	Starveout Cave	Carson	Holocene	Present study	LP4	length of fourth lower premolar	R			1.13	0.65		37.8	Log(Body mass, g) = 3.11*Log(LP4, mm) + 1.3	0.90	57.0	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	3829	Kincaid Shelter	Uvalde	Holocene	Present study	TiB	distal end; breadth of tibia	L			2.96	2.32		43.9	Log(Body mass, kg)= 2.8486*Log(TiB, cm) + 0.3	0.95	23.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	892	a-a	Lubbock Lake	Lubbock	Pleistocene	Present study	M1	length of first lower or upper molar	R			1.31	0.65		47.5	Log(Body mass, g) = average[3.21*Log(LM1, mm)+1.12, 3.21*Log(UM1) + 1.07]	0.90	38.7	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	40541	110	Starveout Cave	Carson	Holocene	Present study	LP3	length of third lower premolar	R			1.18	0.64		53.6	Log(Body mass, g) = 3.19*Log(LP3, mm) + 1.31	0.84	80.0	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	30839	46	Morhiss Mound	Victoria	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L			3.37	1.94		56.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	892	a-a	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	R			2.07	0.69		57.7	Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35	0.93	47.2	selenodonts broswers, Table 16.9; Damuth and MacFadden
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	4189	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R			3.49	1.92		58.6	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	40541	1232	Starveout Cave	Carson	Holocene	Present study	UM1	length of first upper molar	L			1.42	0.96		59.3	Log(Body mass, g) = 3.21*Log(UM1, mm) + 1.07	0.96	35.1	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	40541	1233	Starveout Cave	Carson	Holocene	Present study	UM1	length of first upper molar	R			1.43	1.12		59.4	Log(Body mass, g) = 3.21*Log(UM1, mm) + 1.07	0.96	35.1	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	4187	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L			3.44	2.03		62.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	30839	27	Morhiss Mound	Victoria	Pleistocene	Present study	RaL	length of radius	L			19.50			66.2	Log(Body mass, kg)= 3.0795*Log(RaL, cm) - 2.1515	0.85	45.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	4188	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L			3.48	2.11		66.9	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	998	40	Scharbauer Ranch	Midland	Pleistocene	Present study	LM3	length of third lower molar	R			2.20	0.70		70.4	Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35	0.93	47.2	selenodonts broswers, Table 16.9; Damuth and MacFadden
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	40541	112	Starveout Cave	Carson	Pleistocene	Present study	LM3	length of third lower molar	R			2.30	0.74		81.7	Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35	0.93	47.2	selenodonts broswers, Table 16.9; Damuth and MacFadden
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	40541	110	Starveout Cave	Carson	Holocene	Present study	LM1	length of first lower molar	R			1.52	0.83		82.5	Log (Body mass, g) = 3.21*Log(LM1, mm) + 1.12	0.94	46.4	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	892	292	Lubbock Lake	Lubbock	Pleistocene	Present study	Mt	distal end of metatarsal				2.96	2.08		96.3	Log(Body mass, kg) = 2.8912(MT2, cm) + 0.621	0.94	24.0	Artiodactyla, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Antilocapra or Sphenophalos*	*sp.*	31141	22	Aransas River	San Patricio	Pleistocene	Present study	LM3	length of third lower molar	L			1.92	0.95		44.3	Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35	0.93	47.2	selenodonts broswers, Table 16.9; Damuth and MacFadden
Artiodactyla	Antilocapridae	*Antilocapra or Sphenophalos*	*sp.*	31141	34	Aransas River	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	R			1.77	1.11		79.7	Log(Body mass, g) = 3.34*Log(UM2, mm) +0.73	94.00	39.9	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Capromeryx*	*minor*	31034	91	O'Brian Ranch	Bee	Pleistocene	Present study	CaL	length of calcaneum	L			3.34			6.7	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Artiodactyla	Antilocapridae	*Capromeryx*	*minor*	31034	123	O'Brian Ranch	Bee	Pleistocene	Present study	LM3	length of third lower molar	R			1.21	0.44		9.5	Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35	0.93	47.2	selenodonts broswers, Table 16.9; Damuth and MacFadden
Artiodactyla	Antilocapridae	*Capromeryx*	*minor*	998	19	Scharbauer Ranch	Midland	Pleistocene	Present study	LM3	length of third lower molar	R			1.46	0.47		17.9	Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35	0.93	47.2	selenodonts broswers, Table 16.9; Damuth and MacFadden
Artiodactyla	Antilocapridae	*Capromeryx*	*minor*	31034	95	O'Brian Ranch	Bee	Pleistocene	Present study	LM1	length of first lower molar	L			0.96	0.73		18.5	Log (Body mass, g) = 3.21*Log(LM1, mm) + 1.12	0.94	46.4	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Capromeryx*	*minor*	30967	1323	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	length of third lower molar	L			1.50			19.5	Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35	0.93	47.2	selenodonts broswers, Table 16.9; Damuth and MacFadden
Artiodactyla	Antilocapridae	*Capromeryx*	*minor*	998	137	Scharbauer Ranch	Midland	Pleistocene	Present study	Tp	distal end of metapodial				1.92	1.18		25.1	Log(Body mass, kg) = average[2.6115*Log(MC2, cm) + 0.6185, 2.8912(MT2, cm) + 0.621]	>0.94	24.0	Artiodactyla, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Capromeryx*	*minor*	998	195	Scharbauer Ranch	Midland	Pleistocene	Present study	Mt	distal end of metatarsal				2.03	1.41		32.4	Log(Body mass, kg) = 2.8912(MT2, cm) + 0.621	>0.94	24.0	Artiodactyla, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*no ID- antelope ?*	*sp.*	892	6-ck	Lubbock Lake	Lubbock	Pleistocene	Present study	Mt	distal end of metatarsal				2.70	2.02		73.8	Log(Body mass, kg) = 2.8912(MT2, cm) + 0.621	0.94	24.0	Artiodactyla, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Tetrameryx*	*sp.*	31034	108	O'Brian Ranch	Bee	Pleistocene	Present study	LM3	length of third lower molar	L			2.43	1.23		98.5	Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35	0.93	47.2	selenodonts broswers, Table 16.9; Damuth and MacFadden
Artiodactyla	**Antilocapridae**	***Tetrameryx***	*sp.*	**31034**	**20**	**O'Brian Ranch**	**Bee**	Pleistocene	**Present study**	**LM3**	**length of third lower molar**	**R**			**3.00**	**0.93**		**198.8**	**Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35**	**0.93**	**47.2**	**selenodonts broswers, Table 16.9; Damuth and MacFadden**
Artiodactyla	Antilocapridae	*Tetrameryx*	*sp.*	30839	42	Morhiss Mound	Victoria	Pleistocene	Present study	horn core	horn core, proximal end	L			4.57	2.18						
Artiodactyla	Antilocapridae	*Tetrameryx (cf)*	*sp.*	892	-999	Lubbock Lake	Lubbock	Pleistocene	Present study	Mt	distal end of metatarsal				2.95	2.00		95.4	Log(Body mass, kg) = 2.8912(MT2, cm) + 0.621	0.94	24.0	Artiodactyla, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Tetrameryx (cf)*	*sp.*	43407	39	Honey Creek Cave	Mason	Pleistocene	Present study	LM1 or LM2	length of second lower molar	L			1.78	0.85		96.9	Log(Body mass, g) = average[3.21*Log(LM1, mm) + 1.12, 3.41*Log(LM2) + 0.72]	0.94	40.0	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Tetrameryx (cf)*	*sp.*	892	-999	Lubbock Lake	Lubbock	Pleistocene	Present study	Mt	distal end of metatarsal				3.00	2.03		100.1	Log(Body mass, kg) = 2.8912(MT2, cm) + 0.621	0.94	24.0	Artiodactyla, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Tetrameryx (cf)*	*sp.*	892	-999	Lubbock Lake	Lubbock	Pleistocene	Present study	Mt	distal end of metatarsal				3.00	2.06		100.1	Log(Body mass, kg) = 2.8912(MT2, cm) + 0.621	0.94	24.0	Artiodactyla, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Antilocapridae	*Tetrameryx (cf)*	*sp.*	43407	38	Honey Creek Cave	Mason	Pleistocene	Present study	LM3	length of third lower molar	R			2.76	0.77		150.1	Log(Body mass, g) = 3.35*Log (LM3, mm) + 0.35	0.93	47.2	selenodonts broswers, Table 16.9; Damuth and MacFadden
Artiodactyla	Antilocapridae	*Tetrameryx (cf)*	*sp.*	30839	47	Morhiss Mound	Victoria	Pleistocene	Present study	UM3	length of third upper molar	R			2.18	1.12		158.8	Log(Body mass, g) = 3.29*Log(UM3, mm) + 0.8	0.93	44.7	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	**Antilocapridae**	***Tetrameryx?***	*sp.*	**30967**	**1035a**	**Ingleside**	**San Patricio**	Pleistocene	**Lundelius 1972b**	**UM1**	**length of first upper molar**	**R**			**1.38**			**53.6**	**Log(Body mass, g) = 3.21*Log(UM1, mm) + 1.07**	**0.96**	**35.1**	**Selenodont browsers, Table 16.9; Damuth and MacFadden 1990**
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	3E	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	TiL	length of tibia	R			34.40			206.14	Log(Body mass, kg) = 3.9842*Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	3E-Y	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	TiL	length of tibia	R			35.20			225.91	Log(Body mass, kg) = 3.9842*Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	3E	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	TiL	length of tibia	L			38.50			322.84	Log(Body mass, kg) = 3.9842*Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	3E	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	TiL	length of tibia	R			38.70			329.58	Log(Body mass, kg) = 3.9842*Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	TTU-A-1702	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	AsL	length of astragalus	R			8.30			342.07	Log(Body mass, g) = 3.125*Log(AsL, mm) -0.463	0.97	47.5	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	3E	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	TiL	length of tibia	R			39.70			364.84	Log(Body mass, kg) = 3.9842*Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	TTU-A-2578	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	AsL	length of astragalus	L			8.70			396.28	Log(Body mass, g) = 3.125*Log(AsL, mm) -0.463	0.97	47.5	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	TTU-A-14045	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	TiL	length of tibia				40.80			406.81	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of second lower molar	L			2.77	1.93		410.61	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	725	398	Plainview Quarry	Hale	Pleistocene	Present study	UM1	length of first upper molar	L			2.70	1.94		446.86	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	4E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of second lower molar	R			2.91	1.88		484.89	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	937	764	Blackwater Draw	Roosevelt Co., N	Pleistocene	Present study	UM2	length of second upper molar	L			3.02	2.67		489.93	Log(Body mass, kg) = 3.395* (log UM2, cm) + 1.061	0.91	36.5	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	1781	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	HuL	length of humerus	R			35.30			551.99	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of second lower molar	L			3.06	2.06		574.47	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of second lower molar	L			3.10	2.00		598.89	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	FeL	length of femur	L			42.30			599.84	Log(Body mass, kg) = 3.5526 Log(FeL, cm) - 2.9997	0.93	26.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	1230	Ingleside	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	L			3.25	3.06		627.97	Log(Body mass, kg) = 3.395* (Log UM2, cm) + 1.061	0.91	36.5	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	329	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	HuL	length of humerus	R			36.80			634.92	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	97	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	HuL	length of humerus	R	21.5	37.00				646.60	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	3E	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	FeL	length of femur	L			43.40			657.12	Log(Body mass, kg) = 3.5526 Log(FeL, cm) - 2.9997	0.93	26.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	3E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	L			4.38	1.56		661.93	Log (Body mass, kg) = 3.236* Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	L			2.58	1.63		665.69	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	481	Lubbock Lake	Lubbock	Pleistocene	Present study	UM2	length of second upper molar	R			3.32	2.69		673.73	Log(Body mass, kg) = 3.395* (Log UM2, cm) + 1.061	0.91	36.5	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	L			2.61	1.54		689.56	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	L			2.64	1.61		715.00	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	L			4.49	1.85		715.70	Log (Body mass, kg) = 3.236* Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	FeL	length of femur	L			44.60			723.98	Log(Body mass, kg) = 3.5526 Log(FeL, cm) - 2.9997	0.93	26.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	326	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	CaL	length of calcaneum, and width of distal end	L			16.20	7.30		725.11	Ln(Body mass, g) = 2.969*Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	L			4.52	1.94		733.92	Log (Body mass, kg) = 3.236* Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	778	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	length of second lower molar	R			4.55			748.73	Log (Body mass, kg) = 3.236* Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	TTU-A-1417	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	HuL	length of humerus				38.80			758.61	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	4E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	R			2.69	1.82		766.88	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LP2	length of second lower premolar	L			2.26	1.42		767.83	Log(Body mass, kg) = 2.72*Log(LP2, cm) + 2.2	0.66	79.7	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	937	492	Blackwater Draw	Roosevelt Co., N	Pleistocene	Present study	UM2	length of second upper molar	L			3.45	3.44		771.48	Log(Body mass, kg) = 3.395* (Log UM2, cm) + 1.061	0.91	36.5	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	TiL	length of tibia	L			48.00			777.32	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	TTU-A-2724	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	CaL	length of calcaneum, and width of distal end				16.70			793.59	Ln(Body mass, g) = 2.969*Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals

Artiodactyla	Bovidae	*Bison*	*antiquus*	892	3E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	R	4.65	1.92	801.07	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	TTU-A-13699	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	HuL	length of humerus		39.50		805.63	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	L	4.70	1.90	831.02	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	TTU-A-13841	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	CaL	length of calcaneum, and width of distal end		17.10		851.37	Ln(Body mass, g) = 2.969*Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	294	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	L	2.78	1.78	862.16	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	TTU-A-13719	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	CaL	length of calcaneum, and width of distal end		17.20		866.23	Ln(Body mass, g) = 2.969*Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	408	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	length of third lower molar	L	4.78		878.27	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Tables 16.8, 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LP3	length of third lower premolar	L	2.43	1.56	887.41	Log(Body mass, kg) = 2.988*Log(LP3, cm) + 1.797	0.75	67.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	482	Lubbock Lake	Lubbock	Pleistocene	Present study	UM2	length of second upper molar	R	3.61	2.66	894.73	Log(Body mass, kg) = 3.395*(Log UM2, cm) + 1.061	0.91	36.5	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	L	2.82	2.02	900.96	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2B	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	CaL	length of calcaneum, and width of distal end	R	17.50	6.20	911.87	Ln(Body mass, g) = 2.969*Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	449	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	R	4.84	1.59	913.84	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	1055	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	length of third lower molar	L	4.90		951.64	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Tables 16.8, 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	FeL	length of femur	L	48.30		960.93	Log(Body mass, kg) = 3.5526 Log(FeL, cm) - 2.9997	0.93	26.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	1128	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	length of third lower molar	L	4.95		983.43	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Tables 16.8, 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	497	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of first or second lower molar	L	3.60	2.63	991.09	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	286	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	CaL	length of calcaneum, and width of distal end	L	18.00	6.00	991.42	Ln(Body mass, g) = 2.969*Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.30	1.58	994.39	{Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	L	5.03	1.82	1037.80	Log (Body mass, kg) = 3.236* Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	CaL	length of calcaneum, and width of distal end	L	18.30	6.40	1041.28	Ln(Body mass, g) = 2.969*Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		4.00	1.60	1060.87	{Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.44	2.07	1142.10	{Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.45	1.59	1157.10	{Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of second lower molar	L	3.77	1.98	1163.34	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E #2	Lubbock Lake	Lubbock	Pleistocene	Present study	LP3	length of third lower premolar	L	2.70	1.39	1218.75	Log(Body mass, kg) = 2.988*Log(LP3, cm) + 1.797	0.75	67.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.51	1.54	1222.12	{Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	435	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.57	2.69	1302.26	{Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	439	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.70	2.42	1473.63	{Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	436	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.72	2.43	1497.17	{Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	33.60		187.69	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6K	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	33.70		189.93	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-8121	Lubbock Lake	Lubbock	Holocene	Johnson 1976	AsL	length of astragalus	L	6.90		192.05	Log(Body mass, g) = 3.125* Log(AsL, mm) -0.463	0.97	47.5	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-8855	Lubbock Lake	Lubbock	Holocene	Johnson 1976	AsL	length of astragalus	L	6.90		192.05	Log(Body mass, g) = 3.125* Log(AsL, mm) -0.463	0.97	47.5	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-8803	Lubbock Lake	Lubbock	Holocene	Johnson 1976	AsL	length of astragalus	R	7.00		200.88	Log(Body mass, g) = 3.125* Log(AsL, mm) -0.463	0.97	47.5	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-1739	Lubbock Lake	Lubbock	Holocene	Johnson 1976	AsL	length of astragalus	R	7.20		219.36	Log(Body mass, g) = 3.125* Log(AsL, mm) -0.463	0.97	47.5	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*bison*	892	6AK	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	35.20		225.91	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6AK	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	35.50		233.68	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	35.60		236.31	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6AK	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	35.70		238.97	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-8141	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	36.00		247.07	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-8841	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	36.00		247.07	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-1737	Lubbock Lake	Lubbock	Holocene	Johnson 1976	AsL	length of astragalus	L	7.50		249.21	Log(Body mass, g) = 3.125* Log(AsL, mm) -0.463	0.97	47.5	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-4521	Lubbock Lake	Lubbock	Holocene	Johnson 1976	AsL	length of astragalus	L	7.50		249.21	Log(Body mass, g) = 3.125* Log(AsL, mm) -0.463	0.97	47.5	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-2942	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	36.30		255.38	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-6524	Lubbock Lake	Lubbock	Holocene	Johnson 1976	AsL	length of astragalus	L	7.60		259.74	Log(Body mass, g) = 3.125* Log(AsL, mm) -0.463	0.97	47.5	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-13761	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	37.00		275.57	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-7408	Lubbock Lake	Lubbock	Holocene	Johnson 1976	AsL	length of astragalus	L	8.00		304.90	Log(Body mass, g) = 3.125* Log(AsL, mm) -0.463	0.97	47.5	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*bison*	892	207	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	38.50		322.84	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-13603	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	38.70		329.58	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	HuL	length of humerus	L	30.30		330.24	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	unknown	Lubbock Lake	Lubbock	Holocene	Johnson 1976	HuL	length of humerus	L	30.30		330.24	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	39.50		357.57	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	39.60		361.19	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	39.70		364.84	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-1782	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	40.00		375.95	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-1848	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	40.00		375.95	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-14045	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	40.80		406.81	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6K	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	41.00		414.81	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-13608	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	41.00		414.81	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-8157	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	41.00		414.81	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	41.10		418.86	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-8902	Lubbock Lake	Lubbock	Holocene	Johnson 1976	FeL	length of femur	R	39.00		449.49	Log(Body mass, kg) = 3.5526 Log(FeL, cm) - 2.9997	0.93	26.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6K	Lubbock Lake	Lubbock	Holocene	Present study	LM3	length of third lower molar	L	3.89	1.47	450.90	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	60-47-391	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	R	41.90		452.30	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	60-47-313	Lubbock Lake	Lubbock	Holocene	Johnson 1976	HuL	length of humerus	L	33.50		462.90	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	296	Lubbock Lake	Lubbock	Holocene	Johnson 1976	RaL	length of radius	R	36.80		499.52	Log(Body mass, kg) = 3.2052*Log(RaL) - 2.3203	0.85	43.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	189	Lubbock Lake	Lubbock	Holocene	Johnson 1976	RaL	length of radius	L	37.10		512.69	Log(Body mass, kg) = 3.2052*Log(RaL) - 2.3203	0.85	43.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	740	1	Doughty Collection	Garza	Holocene	Present study	LM1	length of first lower molar	R	2.40	1.90	513.27	Log (Body mass, kg) = 3.52* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6K	Lubbock Lake	Lubbock	Holocene	Johnson 1976	FeL	length of femur	L	40.80		527.63	Log(Body mass, kg) = 3.5526 Log(FeL, cm) - 2.9997	0.93	26.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-9180	Lubbock Lake	Lubbock	Holocene	Johnson 1976	HuL	length of humerus	L	35.20		546.75	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-9280	Lubbock Lake	Lubbock	Holocene	Johnson 1976	HuL	length of humerus	L	35.20		546.75	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-6882	Lubbock Lake	Lubbock	Holocene	Johnson 1976	TiL	length of tibia	L	44.20		559.62	Log(Body mass, kg) = 3.9842* Log(TiL, cm) -3.8078	0.85	46.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	40541	159	Starveout Cave	Carson	Holocene	Present study	LM3	length of third lower molar	L	4.18	1.89	568.14	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6CK	Lubbock Lake	Lubbock	Holocene	Johnson 1976	FeL	length of femur	L	42.00		584.86	Log(Body mass, kg) = 3.5526 Log(FeL, cm) - 2.9997	0.93	26.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6K	Lubbock Lake	Lubbock	Holocene	Present study	LM2	length of second lower molar	L	3.08	1.70	585.95	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6AK	Lubbock Lake	Lubbock	Holocene	Johnson 1976	FeL	length of femur	R	42.30		599.84	Log(Body mass, kg) = 3.5526 Log(FeL, cm) - 2.9997	0.93	26.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-8979	Lubbock Lake	Lubbock	Holocene	Johnson 1976	FeL	length of femur	L	42.80		625.41	Log(Body mass, kg) = 3.5526 Log(FeL, cm) - 2.9997	0.93	26.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6K	Lubbock Lake	Lubbock	Holocene	Johnson 1976	FeL	length of femur	L	43.00		635.86	Log(Body mass, kg) = 3.5526 Log(FeL, cm) - 2.9997	0.93	26.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	TTU-A-8170	Lubbock Lake	Lubbock	Holocene	Johnson 1976	HuL	length of humerus	L	37.10		652.49	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	40541	498	Starveout Cave	Carson	Holocene	Present study	LM3	length of third lower molar	L	4.40	1.55	672.25	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	RaL	length of radius	L	40.40		673.71	Log(Body mass, kg) = 3.2052*Log(RaL) - 2.3203	0.85	43.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6-K	Lubbock Lake	Lubbock	Holocene	Present study	LM3	length of third lower molar	R	4.41	1.70	678.20	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	493	Lubbock Lake	Lubbock	Holocene	Present study	LM3	length of third lower molar	R	4.43	1.68	684.19	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6-A-K	Lubbock Lake	Lubbock	Holocene	Present study	LM3	length of third lower molar	L	4.43	1.81	686.69	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	HuL	length of humerus	L	38.00		707.27	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990

Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	RaL	length of radius	R	41.10		711.85	Log(Body mass, kg) = 3.2052*Log(RaL) - 2.3203	0.85	43.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	HuL	length of humerus	R	38.10		713.55	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	40541	109	Starveout Cave	Carson	Holocene	Present study	LM3	length of third lower molar	L	4.49	1.73	715.18	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	HuL	length of humerus	R	38.70		752.05	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	45614	1	Victoria Bison site	Victoria	Holocene	Present study	LM1	length of first lower molar	L	2.73	1.83	805.70	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6AK	Lubbock Lake	Lubbock	Holocene	Johnson 1976	RaL	length of radius	R	42.80		810.59	Log(Body mass, kg) = 3.2052*Log(RaL) - 2.3203	0.85	43.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6K	Lubbock Lake	Lubbock	Holocene	Johnson 1976	RaL	length of radius	R	42.90		816.68	Log(Body mass, kg) = 3.2052*Log(RaL) - 2.3203	0.85	43.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	HuL	length of humerus	R	39.70		819.43	Log (Body mass, kg) = 3.3633*(Log HuL, cm) -2.4637	0.93	24.0	Bovids; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	892	6A	Lubbock Lake	Lubbock	Holocene	Johnson 1976	RaL	length of radius	L	45.60		993.15	Log(Body mass, kg) = 3.2052*Log(RaL) - 2.3203	0.85	43.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*bison*	740	5	Doughty Collection	Garza	Holocene	Present study	Mt	distal end of metatarsal		6.60	3.40	1025.43	Log(Body mass, kg) = 2.9220*(log Mt2, cm) +0.6162	0.94	24.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons*	31135	55	Old Glory	Stonewall	Pleistocene	Present study	UM2	length of second upper molar	L	3.86	2.63	1128.40	Log(Body mass, kg) = 3.395*(Log UM2, cm) + 1.061	0.91	36.5	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons*	1273	1	n/a	n/a	Pleistocene	Present study	Brain case	breadth of brain case			37.20					
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	933	3390	Friesenhahn cave	Bexar	Pleistocene	Present study	LM3	length of third lower molar	R	5.00	1.72	1014.62	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		5.00	1.89	1015.94	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	L	5.00	1.93	1015.94	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		5.01	1.85	1021.87	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		5.02	1.83	1031.80	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		5.03	1.79	1036.46	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		5.03	1.58	1037.13	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	1018	8	Sitter Ranch	Donley	Pleistocene	Present study	LM3	length of third lower molar	R	5.04	1.50	1042.47	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	892	434	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar		5.05	1.62	1051.87	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		5.07	1.49	1061.33	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		5.07	1.69	1061.33	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		5.08	1.58	1068.80	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	L	5.19	1.62	1146.26	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	31135	28	Old Glory	Stonewall	Pleistocene	Present study	LM3	length of third lower molar		5.40	1.83	1306.37	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	933	609	Friesenhahn cave	Bexar	Pleistocene	Present study	UM2	length of second upper molar	R	4.64	1.63	2106.25	Log(Body mass, kg) = 3.395*(Log UM2, cm) + 1.061	0.91	36.5	Bovids, Tables 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	933	1280	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L	3.77	1.55	2509.02	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*latifrons (ct)*	933	583	Friesenhahn cave	Bexar	Pleistocene	Present study	Mt	distal end of metatarsal	L	9.09	4.36	2614.59	Log(Body mass, kg) = 2.9220*(log Mt2, cm) +0.6162	0.94	24.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	2562; subadult	Cave without a Name	Kendall	Pleistocene	Present study	Mc	distal end of metacarpal		3.42	4.11	169.50	Log(Body mass, kg) = 2.6495*Log(MC2, cm) +0.6016	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		2.93	1.45	180.01	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.820	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2065
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		2.98	1.45	189.74	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.819	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2064
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.04	1.45	203.90	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.818	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2063
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.06	1.41	207.61	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.817	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2062
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.10	1.51	215.84	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.816	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2061
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.11	1.53	218.56	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.815	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2060
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.13	1.54	222.45	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.814	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2059
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.30	1.47	263.50	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.750	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1995
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.31	1.47	267.40	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.809	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2054
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.36	1.67	280.42	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.805	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2050
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.37	1.40	282.32	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.804	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2049
Artiodactyla	Bovidae	*Bison*	*sp.*	892	258	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2 or LM3	length of second or third lower molar	R	2.50	1.57	287.81	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.40	1.36	292.76	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.801	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2046
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.42	1.45	295.84	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.798	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2043
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.43	1.43	301.20	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.795	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2040
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.45	1.48	304.62	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.789	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2034
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.45	1.52	304.62	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.790	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2035
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.46	1.56	308.64	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.786	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2031
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.47	1.76	310.37	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.785	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2030
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.48	1.48	313.28	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.782	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2027
Artiodactyla	Bovidae	*Bison*	*sp.*	40279	1	Longhorn Cave	Burnet	Pleistocene	Present study	TiB	distal end; breadth of tibia		5.83	4.14	314.80	Log(Body mass, kg) = 2.8409*Log(TiB, cm) +0.3222	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	908	248	Kincaid Shelter	Uvalde	Pleistocene	Present study	TiB	distal end; breadth of tibia	L	5.87	4.39	321.10	Log(Body mass, kg) = 2.8409*Log(TiB, cm) +0.3222	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.54	1.63	333.25	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.775	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2020
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.55	1.29	333.86	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.774	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2019
Artiodactyla	Bovidae	*Bison*	*sp.*	31322	1	High Island	Chambers	Pleistocene	Present study	Mc	distal end of metacarpal	L	5.38	2.70	348.63	Log(Body mass, kg) = 2.6495*Log(MC2, cm) +0.6016	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	908	555	Kincaid Shelter	Uvalde	Pleistocene	Present study	TiB	distal end; breadth of tibia	L	6.07	4.54	353.00	Log(Body mass, kg) = 2.8409*(LogTiB, cm) +0.3222	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.67	1.59	374.46	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.764	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2009
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.68	1.52	375.78	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.763	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2008
Artiodactyla	Bovidae	*Bison*	*sp.*	908	554	Kincaid Shelter	Uvalde	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L	3.57	6.72	378.26	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.69	1.75	380.77	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.762	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2007
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.70	1.58	382.10	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.761	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2006
Artiodactyla	Bovidae	*Bison*	*sp.*	41427	1	Samuelson Farm	Travis	Pleistocene	Present study	UM2	length of second upper molar	R	2.85	2.03	403.38	Log(Body mass, kg) = 3.395*(Log UM2, cm) + 1.061	0.91	36.5	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	908	2091	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mc	distal end of metacarpal		5.69	3.62	404.98	Log(Body mass, kg) = 2.6495*Log(MC2, cm) +0.6016	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.78	1.73	409.52	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.760	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2005
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.79	1.70	413.75	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.759	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2004
Artiodactyla	Bovidae	*Bison*	*sp.*	908	831b	Kincaid Shelter	Uvalde	Pleistocene	Present study	TiB	distal end; breadth of tibia	R	6.45	4.83	418.10	Log(Body mass, kg) = 2.8409*(logTiB, cm) +0.3222	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.81	1.46	423.01	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.758	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2003
Artiodactyla	Bovidae	*Bison*	*sp.*	908	250	Kincaid Shelter	Uvalde	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L	3.81	6.99	441.43	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*sp.*	908	567	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mc	distal end of metacarpal		5.92	3.56	449.99	Log(Body mass, kg) = 2.6495*(log MC2, cm) +0.6016	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	43192	26	Hughes Ranch Indian Camp	n/a	Pleistocene	Present study	LM3	length of third lower molar	R	3.89	1.24	450.52	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.91	1.40	458.44	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.757	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2002
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.93	1.60	464.92	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.756	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2001
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.95	1.50	472.63	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.755	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2000
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		3.98	1.48	484.75	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.754	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1999
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	L	3.99	1.32	489.10	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.01	1.51	499.09	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.753	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1998
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		2.72	2.57	518.59	Log(Body mass, g) = average[3.13*(Log LM1, mm) + 1.17, 3.2*(Log LM1, mm) + 1.17]	0.92	41.2	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	12	Sitter Ranch	Donley	Pleistocene	Present study	LM3	length of third lower molar	L	4.09	1.48	528.22	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.09	1.44	530.32	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.752	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1997
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.10	1.50	533.68	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.751	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1996
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.15	1.57	556.34	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.749	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1994
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.16	1.42	560.26	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.748	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1993
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.17	1.53	565.94	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.747	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1992
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of second lower molar	L	3.05	1.51	566.28	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	LM3	length of third lower molar		4.19	1.48	571.22	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990

Artiodactyla	Bovidae	*Bison*	*sp.*	937	38	Blackwater Draw	oosevelt Co., N	Pleistocene	Present study	M1 or M2	length of first or second molar		2.82	1.75	576.42	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Tables 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.21	1.45	584.13	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.746	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1991
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	3	Sitter Ranch	Donley	Pleistocene	Present study	LM3	length of third lower molar		4.22	1.85	588.18	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1222	1	Otto Strokein Ranch	Gillespie	Pleistocene	Present study	LM3	length of third lower molar	R	4.24	1.85	594.06	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	77	Lubbock Lake	Lubbock	Pleistocene	Present study	UM2	length of second upper molar	L	3.23	2.82	616.23	Log(Body mass, kg) = 3.395* (Log UM2, cm) + 1.061	0.91	36.5	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	40279	97	Longhorn Cave	Burnet	Pleistocene	Present study	AsA	cross-sectional area of astragalus		4.39	7.80	636.27	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Bovidae	*Bison*	*sp.*	43192	4	Hughes Ranch Indian Camp	n/a	Pleistocene	Present study	LM3	length of third lower molar	R	4.34	1.90	641.13	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	908	831	Kincaid Shelter	Uvalde	Pleistocene	Present study	TiB	distal end; breadth of tibia	R	7.51	5.55	645.40	Log(Body mass, kg) = 2.8409*(logTiB, cm) +0.3222	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.36	1.68	651.23	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.813	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2058
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	6	Sitter Ranch	Donley	Pleistocene	Present study	LM3	length of third lower molar		4.38	1.45	660.46	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of second lower molar	R	3.19	2.13	661.72	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	2	Sitter Ranch	Donley	Pleistocene	Present study	LM3	length of third lower molar		4.38	1.48	663.40	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	31141	49	Aransas River	San Patricio	Pleistocene	Present study	UM1	length of first upper molar	R	3.08	1.82	671.36	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.42	1.84	681.19	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.812	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2057
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	LM3	length of third lower molar		4.42	1.72	681.19	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	5	Sitter Ranch	Donley	Pleistocene	Present study	LM3	length of third lower molar		4.42	1.39	683.69	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	L	2.62	1.68	697.97	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	31034	14	O'Brian Ranch	Bee	Pleistocene	Present study	LM1	length of first lower molar	R	2.62	1.86	697.97	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	908	2454	Kincaid Shelter	Uvalde	Pleistocene	Present study	UM	length of upper molar		2.58	1.20	700.51	dy mass, g) = average[3.13*Log(UM1, mm) + 1.17, 3.15*Log(UM2, mm)+0.94, 3.12*Log(UM3,mm	0.91	40.0	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.48	1.54	712.09	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.811	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2056
Artiodactyla	Bovidae	*Bison*	*sp.*	892	258	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	L	4.51	1.59	729.73	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.54	1.60	745.54	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.810	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2055
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.55	1.58	747.66	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.808	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2053
Artiodactyla	Bovidae	*Bison*	*sp.*	892	2	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	L	4.55	1.93	750.33	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.57	1.35	760.51	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.807	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2052
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	71	Sitter Ranch	Donley	Pleistocene	Present study	LM1	length of first lower molar	R	2.69	1.67	764.88	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	4	Sitter Ranch	Donley	Pleistocene	Present study	LM3	length of third lower molar		4.58	1.45	765.36	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	474	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of second lower molar	L	3.34	1.40	768.72	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.59	1.64	772.41	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.806	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2051
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		3.09	2.03	777.36	Log(Body mass, g) = average[3.13*(Log LM1, mm) + 1.17, 3.2*(Log LM1, mm) + 1.17]	0.92	41.2	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	933	3403	Friesenhahn cave	Bexar	Pleistocene	Present study	UM3	length of third upper molar	L	3.87	2.20	785.34	Log(Body mass, g) = 3.12*Log(UM3, mm) + 0.94	0.90	39.4	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.64	1.57	797.17	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.803	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2048
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.66	1.64	807.78	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.802	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2047
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1	length of first or second lower molar		2.74	1.81	813.00	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	348	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.13	1.45	821.99	ody mass, kg) = average[3.52*Log(LM1, cm) + 1.372, 3.375*Log (LM2) + 1.119, 3.395*Log(UM2)+	0.91	36.0	Bovids, Tables 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		3.15	1.82	822.83	Log(Body mass, g) = average[3.13*(Log LM1, mm) + 1.17, 3.2*(Log LM1, mm) + 1.17]	0.93	34.0	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.69	1.57	827.59	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.800	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2045
Artiodactyla	Bovidae	*Bison*	*sp.*	40279	68	Longhorn Cave	Burnet	Pleistocene	Present study	UM1	length of first upper molar		3.29	2.10	828.72	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.70	1.59	828.73	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.799	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2044
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.71	1.53	837.33	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.797	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2042
Artiodactyla	Bovidae	*Bison*	*sp.*	908	855	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mc	distal end of metacarpal	R	7.50	3.61	840.69	Log(Body mass, kg) = 2.6495*Log(MC2, cm) +0.6016	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.72	1.81	840.78	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.796	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2041
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.01	1.31	842.58	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.73	1.39	845.99	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.794	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2039
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.74	1.36	852.96	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.793	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2038
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	LM1	length of first lower molar		2.77		853.46	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.74	1.56	853.54	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.792	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2037
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.74	1.50	854.13	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.791	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2036
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.03	1.51	858.23	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of second lower molar	L	3.45	2.17	859.29	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.75	1.72	859.97	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.788	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2033
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.04	1.31	865.14	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.76	1.46	866.44	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.787	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2032
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	385-1	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		3.20	2.00	868.37	Log(Body mass, g) = average[3.13*(Log LM1, mm) + 1.17, 3.2*(Log LM1, mm) + 1.17]	0.92	41.2	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.78	1.80	877.68	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.784	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2029
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		3.22	2.00	877.86	Log(Body mass, g) = average[3.13*(Log LM1, mm) + 1.17, 3.2*(Log LM1, mm) + 1.17]	0.92	41.2	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	31009	25	Beidleman Farm	Stonewall	Pleistocene	Present study	UM2	length of second upper molar	L	3.59	2.13	877.99	Log(Body mass, kg) = 3.395* (Log UM2, cm) + 1.061	0.91	36.5	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.78	1.57	878.27	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.783	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2028
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		3.23	2.15	886.54	Log(Body mass, g) = average[3.13*(Log LM1, mm) + 1.17, 3.2*(Log LM1, mm) + 1.17]	0.92	41.2	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.80	1.73	887.22	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.781	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2026
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1	length of first or second lower molar		2.80	1.81	887.52	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		3.23	2.13	890.03	Log(Body mass, g) = average[3.13*(Log LM1, mm) + 1.17, 3.2*(Log LM1, mm) + 1.17]	0.92	41.2	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.81	1.56	896.23	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.780	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2025
Artiodactyla	Bovidae	*Bison*	*sp.*	892	19	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	R	4.81	1.73	896.23	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.81	1.54	898.04	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.779	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2024
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.50	1.76	901.18	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.82	1.83	902.28	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.778	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2023
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.51	1.44	908.15	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	31034	141	O'Brian Ranch	Bee	Pleistocene	Present study	LM3	length of third lower molar	L	4.83	1.89	908.96	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.51	1.56	909.90	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	437	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar		4.84	1.69	914.45	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.52	1.77	915.16	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.09	1.42	917.73	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.86	1.43	927.35	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.777	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2022
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.53	1.71	929.30	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	568	Lubbock Lake	Lubbock	Pleistocene	Present study	M2	length of second molar	L	3.59	2.47	929.82	Log(Body mass, kg) = average[3.375(log LM2, cm) + 1.119, 3.395(log UM2)+1.061]	0.91	36.0	Bovids, Tables 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.87	1.55	931.06	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.776	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2021
Artiodactyla	Bovidae	*Bison*	*sp.*	892	433.1	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	L	4.87	1.74	932.30	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.54	1.95	932.86	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1	length of first or second lower molar		2.84	1.50	932.89	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	R	2.85	1.96	941.00	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.55	1.88	946.28	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.12	1.42	946.96	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.56	1.41	952.59	Log(Body mass, kg) = 3.375* (log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33;	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.90	1.75	952.90	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.773	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2018

Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.12	1.83	953.32	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar		4.90	1.55	953.53	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	31137	3	Old Glory	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	R	2.86	1.91	953.84	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.91	1.57	957.94	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.772	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2017
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	LM3	length of third lower molar		4.92	1.80	961.74	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.92	1.52	963.00	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.771	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2016
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.27	1.57	965.55	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.57	1.66	968.05	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.58	1.62	968.96	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	933	999	Friesenhahn cave	Bexar	Pleistocene	Present study	UM2	length of second upper molar	R	3.69	1.90	971.97	Log(Body mass, kg) = 3.395* (Log UM2, cm) + 1.061	0.91	36.5	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.14	1.39	975.78	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.94	2.06	976.37	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.770	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2015
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		3.91	2.73	978.52	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.95	1.48	982.78	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.769	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2014
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.29	2.29	984.02	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.59	1.68	985.53	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		3.92	1.58	987.82	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1	length of first or second lower molar		2.89	1.75	988.30	Log (Body mass, kg) = 3.520*(Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		3.34	2.21	989.72	Log(Body mass, g) = average[3.13* (Log LM1, mm) + 1.17, 3.2* (Log LM1, mm) + 1.17]	0.92	41.2	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		3.92	1.53	991.22	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		3.34	1.77	993.48	Log(Body mass, g) = average[3.13* (Log LM1, mm) + 1.17, 3.2* (Log LM1, mm) + 1.17]	0.92	41.2	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.97	1.55	994.40	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.768	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2013
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.97	1.51	998.29	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.767	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2012
Artiodactyla	Bovidae	*Bison*	*sp.*	892	386	Lubbock Lake	Lubbock	Pleistocene	Present study	LM3	length of third lower molar	R	4.97	2.00	998.94	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.745	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of second lower molar	L	3.61	1.53	1001.35	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.98	1.73	1004.15	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.766	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2011
Artiodactyla	Bovidae	*Bison*	*sp.*	725	n-numbered (256-33	Plainview Quarry	Hale	Pleistocene	Present study	LM3	length of third lower molar		4.99	1.53	1006.11	Log (Body mass, kg) = 3.236*Log (LM3, cm) +0.765	0.93	33.3	Bovids, Table 16.8; Damuth and McFadden 2010
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.62	1.91	1009.80	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	385-1	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		3.36	1.97	1010.53	Log(Body mass, g) = average[3.13* (Log UM1, mm) + 1.17, 3.2* (Log LM1, mm) + 1.17]	0.92	41.2	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.18	1.48	1012.95	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.18	2.00	1016.28	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		3.95	1.48	1016.95	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.18	1.60	1019.61	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	31034	142	O'Brian Ranch	Bee	Pleistocene	Present study	LM2	length of second lower molar	L	3.64	2.14	1024.95	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	908	2486	Kincaid Shelter	Uvalde	Pleistocene	Present study	TiB	distal end; breadth of tibia	R	8.84	6.64	1026.58	Log(Body mass, kg) = 2.8409*(logTiB, cm) +0.3222	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	937	38	Blackwater Draw	oosevelt Co., N	Pleistocene	Present study	M1 or M2	length of first or second molar		3.34	1.69	1029.16	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.64	2.00	1029.72	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	40279	unknown	Longhorn Cave	Burnet	Pleistocene	Present study	LM2	length of first or second lower molar		3.64	2.05	1031.63	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.20	1.50	1036.41	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		3.98	1.37	1040.50	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		3.98	1.59	1041.38	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		3.98	1.47	1042.26	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1	length of first or second lower molar		2.94	1.43	1042.27	Log (Body mass, kg) = 3.520*(Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		3.98	1.59	1043.14	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	228	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.36	2.51	1051.73	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		4.00	1.44	1057.30	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		4.00	1.42	1058.19	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.67	1.50	1058.64	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		4.00	1.50	1060.87	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		4.00	1.58	1060.87	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.68	1.81	1068.41	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		4.01	1.55	1069.81	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	933	3525	Friesenhahn cave	Bexar	Pleistocene	Present study	UM1 or UM2	length of upper first or second molar	L	3.27	2.72	1073.83	Log(Body mass, g) = average[3.13* Log(UM1, mm) + 1.17, 3.15*Log(UM2, mm)+0.94]	0.91	40.0	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.69	1.43	1074.30	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	L	2.96	1.87	1075.14	Log (Body mass, kg) = 3.520*(Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1	length of first or second lower molar		2.96	1.60	1077.69	Log (Body mass, kg) = 3.520*(Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.69	1.90	1078.24	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		4.02	1.53	1080.61	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.24	1.38	1083.31	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		4.03	1.56	1087.85	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.24	1.77	1089.13	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.71	1.58	1101.09	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.72	1.22	1111.13	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1	length of first or second lower molar		2.99	1.70	1112.66	Log (Body mass, kg) = 3.520*(Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.26	1.75	1113.83	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.27	1.82	1116.20	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	933	3335	Friesenhahn cave	Bexar	Pleistocene	Present study	Mt	distal end of metatarsal	L	6.83	3.99	1131.93	Log(Body mass, kg) = 2.9220*(log Mt2, cm) +0.6162	0.94	24.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2	length of second molar		3.80	2.12	1132.30	Log(Body mass, kg) = average[3.375(log LM2) + 1.119, 3.395(log UM2)+1.061]	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.28	1.82	1132.91	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar		3.43	2.12	1134.08	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	x	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	R	3.01	2.11	1139.08	Log (Body mass, kg) = 3.520*(Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		4.09	1.58	1139.50	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.29	1.82	1141.33	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	933	2198	Friesenhahn cave	Bexar	Pleistocene	Present study	LM2	length of second lower molar	R	3.76	1.69	1147.81	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar		3.77	1.44	1159.18	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	13	Sitter Ranch	Donley	Pleistocene	Present study	LM1	length of first lower molar	R	3.03	1.94	1165.94	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		4.13	2.04	1178.40	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	1975	Cave without a Name	Kendall	Pleistocene	Present study	M1 or M2	length of first or second molar		3.48	2.28	1189.88	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	40449	112	Levi Shelter	Travis	Pleistocene	Present study	Mc	distal end of metacarpal	R	8.56	4.37	1194.41	Log(Body mass, kg) = 2.6495 * (log MC2, cm) +0.6016	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	933	4307	Friesenhahn cave	Bexar	Pleistocene	Present study	Mt	distal end of metatarsal		6.96	3.98	1195.07	Log(Body mass, kg) = 2.9220*(log Mt2, cm) +0.6162	0.94	24.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar		3.34	1.47	1207.80	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		3.56	2.49	1208.31	Log(Body mass, g) = average[3.13* (Log LM1, mm) + 1.17, 3.2* (Log LM1, mm) + 1.17]	0.92	41.2	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	M2 or LM3	length of second or third lower molar		4.17	1.58	1220.18	(Body mass, kg) = average[3.236(logLM3, cm) + 0.745, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.	0.91	36.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	unknown	Sitter Ranch	Donley	Pleistocene	Present study	M1	length of first lower or upper molar		3.57	2.25	1222.36	Log(Body mass, g) = average[3.13* (Log LM1, mm) + 1.17, 3.2* (Log LM1, mm) + 1.17]	0.92	41.2	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	933	330	Friesenhahn cave	Bexar	Pleistocene	Present study	UM2	length of second upper molar	L	3.95	1.57	1223.39	Log(Body mass, kg) = 3.395*(Log UM2, cm) + 1.061	0.91	36.5	Bovids, Table 16.8; Damuth and McFadden 1990

Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM2	length of second lower molar	L		3.83	1.62	1223.71	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	45819	1608a	Quitaque Creek	Motley	Pleistocene	Present study	UM3	length of third upper molar			4.47	2.66	1224.76	Log(Body mass, g) = 3.12*Log(UM3, mm) + 0.94	0.90	39.4	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar			3.36	1.95	1233.10	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	31041	47	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	R		3.09	2.11	1242.16	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar			3.53	2.33	1253.74	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Tables 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar			3.53	2.32	1257.42	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Tables 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar			3.39	1.71	1273.06	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	11	Sitter Ranch	Donley	Pleistocene	Present study	LM1	length of first lower molar	R		3.11	1.85	1273.62	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM2	length of first or second lower molar			3.88	1.60	1281.79	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar			3.40	1.75	1283.52	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	70	Sitter Ranch	Donley	Pleistocene	Present study	LM1	length of first lower molar	R		3.12	1.93	1295.40	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	45819	1608b	Quitaque Creek	Motley	Pleistocene	Present study	UM3	length of third upper molar			4.56	2.48	1307.87	Log(Body mass, g) = 3.12*Log(UM3, mm) + 0.94	0.90	39.4	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	L		3.13	1.51	1310.06	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar			3.59	2.40	1321.27	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Tables 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar			3.44	1.49	1335.39	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	908	2482	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mc	distal end of metacarpal	R		8.93	4.75	1335.67	Log(Body mass, kg) = 2.6495 * (log MC2, cm) +0.6016	0.95	20.0	Bovids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar			3.44	1.53	1336.74	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar			3.45	1.45	1350.29	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar			3.45	1.97	1351.65	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	2571	Cave without a Name	Kendall	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar	L		3.47	1.33	1372.17	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	31108	70	Old Glory	Stonewall	Pleistocene	Present study	LM2	length of second lower molar			3.99	1.78	1404.92	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar			3.49	1.47	1405.46	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	725	unknown	Plainview Quarry	Hale	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar			3.49	1.24	1409.66	Log(Body mass, kg) = average[3.520*Log(LM1, cm) + 1.372, 3.375*Log(LM2, cm) + 1.119]	0.94	30.8	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	937	38	Blackwater Draw	oosevelt Co., N	Pleistocene	Present study	M1 or M2	length of first or second molar			3.68	2.38	1446.28	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Tables 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	3	Sitter Ranch	Donley	Pleistocene	Present study	LM1	length of first lower molar	L		3.24	2.12	1476.11	Log (Body mass, kg) = 3.520* (Log LM1, cm) + 1.372	0.93	34.0	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	unknown	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar			3.73	2.43	1511.14	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Tables 16.8, Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	933	3285	Friesenhahn cave	Bexar	Pleistocene	Present study	LM2	length of second lower molar	R		4.11	1.56	1552.65	Log(Body mass, kg) = 3.375*(log LM2, cm) + 1.119	0.93	33.6	Bovids, Table 16.8; Damuth and McFadden 1990
Artiodactyla	Bovidae	*Bison*	*sp.*	892	438	Lubbock Lake	Lubbock	Pleistocene	Present study	M1 or M2	length of first or second molar			3.99	1.66	1904.55	(Body mass, kg) = average[3.52(logLM1, cm) + 1.372, 3.375(log LM2) + 1.119, 3.395(log UM2)+1.(	0.91	36.0	Bovids, Tables 16.8, Damuth and McFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	35	2534	Trinity River	Dallas	Pleistocene	Present study	UM1	length of first upper molar	R		2.55	2.63	371.8	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30839	51	Morhiss Mound	Victoria	Pleistocene	Present study	CaL	length of calcaneum	L		14.40		511.1	Ln(Body mass, g) = 2.969*Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	1599	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	SKL	length of skull	R		50.40	25.00	525.7	Log(Body mass, kg) = 2.975*Log(SKL, cm)+-2.344	0.95	30.5	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30839	16	Morhiss Mound	Victoria	Pleistocene	Present study	AsA	cross-sectional area of astragalus	R		6.97	4.32	527.7	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Camelidae	*Camelops*	*hesternus*	35	2534	Trinity River	Dallas	Pleistocene	Present study	UM2	length of second upper molar	R		3.26	2.93	531.5	Log(Body mass, kg) = 3.184*Log(UM2, cm) + 1.091	0.93	34.7	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	998	28	Scharbauer Ranch	Midland	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		8.18	4.43	691.9	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	1122	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	L		2.92	1.91	714.6	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	all ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31041	79	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	LM1	length of third lower molar	L		4.75	1.65	721.7	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.90	39.4	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	915	Ingleside	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	R		3.68	3.33	783.7	Log(Body mass, kg) = 3.184*Log(UM2, cm) + 1.091	0.93	34.7	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	1240	Ingleside	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	R		3.77	2.26	843.5	Log(Body mass, kg) = 3.184*Log(UM2, cm) + 1.091	0.93	34.7	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31034	13	O'Brian Ranch	Bee	Pleistocene	Present study	LM1	length of first lower molar	L		3.17	1.87	941.3	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	all ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31205	3	Mayfield Ranch	Briscoe	Pleistocene	Present study	LM1	length of first lower molar	L		3.20	1.96	967.7	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	all ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31141	2375	Aransas River	San Patricio	Pleistocene	Present study	LM1 ? LM3 ?	length of third lower molar	R		5.27	1.94	1,008.4	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.90	39.4	selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31205	3	Mayfield Ranch	Briscoe	Pleistocene	Present study	LM3	length of third lower molar	L		5.28	1.73	1,013.3	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.90	39.4	selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	1599	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R		3.27	2.77	1,033.3	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	all ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	3	-999	Pittsbridge	Brazos	Pleistocene	Present study	M	length of second or third molar			4.33	1.33	1,093.3	ass, g) = average[3.21*Log(LM2) + 0.92; 3.19*Log(LM3) + 0.51; 3.15*Log(UM2) + 0.94; 3.12*Log(U	0.88	42.5	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31041	75	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humerus		20.5			1,096.2	Log(Body mass, g) = 2.66975*Log(HuMAPC, g) -0.13193	0.98		All mammals; Present Study
Artiodactyla	Camelidae	*Camelops*	*hesternus*	999	-999	Cameron	Milam	Pleistocene	Present study	M3	length of third molar			5.42	1.99	1,099.5	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.89	39.2	all selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31041	46	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	LM1 ? LM3 ?	length of third lower molar	R		5.44	2.08	1,115.8	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.90	39.4	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31108	91	Old Glory	Stonewall	Pleistocene	Present study	LM3	length of third lower molar			5.62	2.17	1,233.6	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.90	39.4	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	42	Ingleside	San Patricio	Pleistocene	Present study	M	length of second or third molar			5.12	3.11	1,243.7	ly mass, g) = 3.21*Log(LM2) + 0.92; 3.19*Log(LM3) + 0.51; 3.15*Log(UM2) + 0.94; 3.12*Log(UM3	0.88	42.5	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31041	1	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	LM2	length of second or third molar	R		5.18	1.80	1,287.3	ly mass, g) = 3.21*Log(LM2) + 0.92; 3.19*Log(LM3) + 0.51; 3.15*Log(UM2) + 0.94; 3.12*Log(UM3	0.88	42.5	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31041	44	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	LM1 ? LM3 ?	length of third lower molar	L		5.69	2.50	1,287.6	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.90	39.4	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	177	2184A	Cameron	Milam	Pleistocene	Present study	M	length of third lower molar			5.73	3.25	1,313.8	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.90	39.4	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	43407	36?	Honey Creek Cave	Mason	Pleistocene	Present study	M3	length of third molar			5.75	1.79	1,328.4	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.89	39.2	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	3	2225	Pittsbridge	Brazos	Pleistocene	Present study	LM3	length of third lower molar	R		5.77	1.93	1,345.5	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.90	39.4	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	177	2184B	Cameron	Milam	Pleistocene	Present study	M	length of second or third molar			4.65	2.46	1,369.7	ass, g) = average[3.21*Log(LM2) + 0.92; 3.19*Log(LM3) + 0.51; 3.15*Log(UM2) + 0.94; 3.12*Log(U	0.88	42.5	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	35	2534	Trinity River	Dallas	Pleistocene	Present study	UM3	length of third upper molar	R		4.64	2.85	1,382.6	Log(Body mass, g) = 3.12*Log(UM3, mm) + 0.94	0.90	39.4	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	40685	814	Zesch Cave	Mason	Pleistocene	Present study	LM1 or LM2	length of molar	L		3.58	2.26	1,417.3	g(Body mass, g) = average[3.2*Log(LM1, mm) + 1.17; 3.21*Log(LM2) + 0.92; 3.19*Log(LM3) + 0.5	0.88	42.5	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31034	21	O'Brian Ranch	Bee	Pleistocene	Present study	LM2	length of second lower molar	R		4.29	1.86	1,446.1	Log(Body mass, g) = 3.21*Log(LM2, mm) + 0.92	0.90	39.1	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	42263	1	n/a	Texas	Pleistocene	Present study	UM1 ?	length of third upper molar	R		4.73	2.90	1,466.0	Log(Body mass, g) = 3.12*Log(UM3) + 0.94	0.88	42.5	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31034	1	O'Brian Ranch	Bee	Pleistocene	Present study	LM2 or LM3	length of second or third molar	R		4.67	1.72	1,492.9	Log(Body mass, g) = average[3.21*Log(LM2) + 0.92; 3.19*Log(LM3) + 0.51]	0.88	42.5	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	937	737	Blackwater Draw	ear Portal, NM	Pleistocene	Lundelius 1972b	LM1	length of first lower molar			4.39	2.48	1,548.4	LM1, mm) + 1.17; 3.21*Log(LM2) + 0.92; 3.19*Log(LM3) + 0.51; 3.13*Log(UM1) + 1.17; 3.15*Log	0.88	42.5	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	933	1922	Friesenhahn Cave	Bexar	Pleistocene	Present study	M3	length of third molar	R		6.06	2.01	1,569.0	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.89	39.2	all selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	387	Ingleside	San Patricio	Pleistocene	tudy; length by Lundel	FeL, FeB, FeMAPC	/idth at condyles; midshaft anteroposterior circum	L	16.7	58.90	13.90	1,677.1	Log(Body mass, kg)= 3.4263*Log(FeL, cm) - 2.8404	0.92	28.0	artiodactyls, Table 16.7; Damuth and MacFadden, Scott, K.M. 1990.
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31034	13	O'Brian Ranch	Bee	Pleistocene	Present study	LM3	length of third lower molar	L		6.33	2.30	1,805.0	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.90	39.4	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31034	156	O'Brian Ranch	Bee	Pleistocene	Present study	LM2	length of second molar	L		4.96	2.80	1,902.8	Log(Body mass, g) = 3.21*Log(LM2) + 0.92	0.88	42.5	All selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31141	95	Aransas River	San Patricio	Pleistocene	Present study	UM1 or UM2	length of second upper molar	R		5.19	2.84	2,329.7	Log(Body mass, kg) = 3.184*Log(UM2, cm) + 1.091	0.93	34.7	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Hemiauchenia*	*macrocephala*	31108	37	Old Glory	Stonewall	Pleistocene	Present study	LM3	length of third lower molar	L		3.63	1.46	306.5	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.90	39.4	selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Hemiauchenia*	*macrocephala*	31108	99	Old Glory	Stonewall	Pleistocene	Present study	LM	length of lower first or second molar	L		2.69	1.65	439.2	Log(Body mass, g) = average[3.20*Log(LM1, mm) + 1.17, 3.21*Log(LM2) + 0.92]	0.89	41.6	selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2575D	Ingleside	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	R		2.23	1.71	158.9	Log(Body mass, kg) = 3.184*Log(UM2, cm) + 1.091	0.93	34.7	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2575C	Ingleside	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	R		2.24	1.74	159.6	Log(Body mass, kg) = 3.184*Log(UM2, cm) + 1.091	0.93	34.7	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	1878B	Ingleside	San Patricio	Pleistocene	Present study	UM1 or UM2	length of second upper molar	L		1.95	2.00	162.1	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	1682	Ingleside	San Patricio	Pleistocene	Present study	UM1	length of first upper molar	L		1.96	2.01	164.2	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2574C	Ingleside	San Patricio	Pleistocene	Present study	UM1	length of third upper molar	R		2.31	2.41	177.6	Log(Body mass, g) = 3.12*Log(UM3, mm) + 0.94	0.90	39.4	Selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	1274	Ingleside	San Patricio	Pleistocene	Present study	LM2	length of second lower molar	L		2.25	1.46	181.7	Log(Body mass, g) = 3.21*Log(LM2, mm) + 0.92	0.90	39.1	Selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	1589	Ingleside	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	R		2.36	2.18	190.6	Log(Body mass, kg) = 3.184*Log(UM2, cm) + 1.091	0.93	34.7	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	1878A	Ingleside	San Patricio	Pleistocene	Present study	UM1 or UM2	length of second upper molar	L		2.08	1.73	197.5	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	1806	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R		1.99	1.53	205.9	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	880	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	L		2.01	1.47	211.7	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	92	Ingleside	San Patricio	Pleistocene	Present study	UM1	length of first upper molar	L		2.14	1.81	214.3	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2577A	Ingleside	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	R		2.46	2.32	216.1	Log(Body mass, kg) = 3.184*Log(UM2, cm) + 1.091	0.93	34.7	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	445	Ingleside	San Patricio	Pleistocene	Present study	LM2	length of second lower molar	R		2.38	14.96	218.2	Log(Body mass, g) = 3.21*Log(LM2, mm) + 0.92	0.90	39.1	Selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2578	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R		2.04	1.49	221.1	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	372	Ingleside	San Patricio	Pleistocene	Present study	UM1	length of first upper molar	R		2.16	1.80	221.3	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2577B	Ingleside	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	R		2.48	2.16	223.2	Log(Body mass, kg) = 3.184*Log(UM2, cm) + 1.091	0.93	34.7	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	485	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R		2.09	1.54	239.7	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	Ungulates, Table 16.8; Damuth and MacFadden 1990

Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2579	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R	2.14	1.40	260.9	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2575B	Ingleside	San Patricio	Pleistocene	Present study	UM3	length of third upper molar	R	2.74	2.17	265.0	Log(Body mass, g) = 3.12*Log(UM3, mm) + 0.94	0.90	39.4	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	**Camelidae**	***Paleolama***	***mirifica***	**30967**	**542**	**Ingleside**	**San Patricio**	Pleistocene	**Present study**	**LM1**	**length of first lower molar**	**R**	**2.17**	**1.23**	**271.0**	**Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337**	**0.93**	**34.6**	**Ungulates, Table 16.8; Damuth and MacFadden 1990**
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	1651	Ingleside	San Patricio	Pleistocene	Present study	LM3	length of third lower molar	L	3.51	1.65	276.1	Log(Body mass, g) = 3.19*Log(LM3, mm) + 0.51	0.90	39.4	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	485	Ingleside	San Patricio	Pleistocene	Present study	LM2	length of second lower molar	R	2.57	1.67	280.6	Log(Body mass, g) = 3.21*Log(LM2, mm) + 0.92	0.90	39.1	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	1590	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	L	2.20	1.35	283.4	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2574B	Ingleside	San Patricio	Pleistocene	Present study	UM1	length of first upper molar	R	2.34	2.24	285.9	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2575A	Ingleside	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	R	2.70	2.20	291.4	Log(Body mass, g) = 3.184*Log(UM2, cm) + 1.091	0.93	34.7	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2574D	Ingleside	San Patricio	Pleistocene	Present study	UM1	length of first upper molar	R	2.40	2.35	307.5	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	1028	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R	2.29	1.21	324.4	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2574A	Ingleside	San Patricio	Pleistocene	Present study	UM1	length of first upper molar	R	2.44	2.32	327.2	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2576	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	L	2.34	1.55	349.1	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	1878	Ingleside	San Patricio	Pleistocene	Present study	UM1 or UM2	length of first upper molar	L	2.50	2.41	351.2	Log(Body mass, g) = 3.13*Log(UM1, mm) + 1.17	0.90	39.8	Selenodonts, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	2580	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R	2.37	1.56	362.9	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	916	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	L	2.40	1.31	378.1	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Camelidae	*Paleolama*	*mirifica*	30967	874	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R	2.41	1.38	383.8	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Navahoceros*	*fricki*	804	85	Montell shelter	Uvalde	Pleistocene	Present study	LM1	length of first lower molar	L	1.91	1.26	161.3	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	♯ (Schulze Cave	7322	Schulze Cave	Edwards	Holocene	Present study	FeB	distal end; breadth of epicondyles of femur		3.55	3.14	22.5	Log(Body mass, kg)= 2.9100*Log(FeB, cm) - 0.0883	0.95	22.0	cervids only, Table 16.7; Damuth and MacFadden 1991
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	-999	Levi Shelter	Travis	Pleistocene	Present study	LM1	length of first lower molar	L	1.13	0.77	27.7	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	991	Wunderlich site	Comal	Holocene	Present study	M	length of molar		1.29	1.50	28.3	=average(3.334*Log(LM1, cm) + 1.27; 3.106*Log(LM2) + 1.119; 3.143*Log(LM3) + 0.799; 3.218*	0.88	42.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	43136	1	Fawcett's Cave	Val Verde	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur		5.59	3.40	28.4	Log(Body mass, kg)= 2.9100*Log(FeB, cm) - 0.0883	0.95	22.0	cervids only, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	283	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM1	length of first lower molar	L	1.14	1.02	28.8	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	127	Levi Shelter	Travis	Pleistocene	Present study	LM1	length of first lower molar	L	1.16	0.70	30.4	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	43	Smith Rockshelter	Travis	Holocene	Present study	LM1	length of first lower molar	R	1.19	0.77	33.3	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	2275	Kincaid Shelter	Uvalde	Holocene	Present study	LP3	length of third lower premolar	R	0.98	0.63	33.9	Log(Body mass, kg) = 3.399*Log(LP3, cm) + 1.556	0.90	40.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	132	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	2.83	1.64	34.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	13	Wunderlich site	Comal	Holocene	Present study	M	length of molar		1.41	0.92	38.1	=average(3.334*Log(LM1, cm) + 1.27; 3.106*Log(LM2) + 1.119; 3.143*Log(LM3) + 0.799; 3.218*	0.88	42.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	-999	Levi Shelter	Travis	Pleistocene	Present study	LM1	length of first lower molar	R	1.25	0.95	39.0	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	933	578	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	R	3.09	3.26	41.1	Log(Body mass, kg)= 2.6389*Log(HuB, cm) +0.2582	0.96	19.0	cervids only, Table 16.7; Damuth and MacFadden, Scott, K.M. 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40538	2	Pittsbridge	Brazos	Pleistocene	Present study	LM2	length of second lower molar	R	1.46	0.99	42.5	Log(Body mass, kg)= 3.106*Log(LM2, cm) + 1.119	0.95	20.4	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	152	Wunderlich site	Comal	Holocene	Present study	M	length of molar		1.47	1.57	43.2	=average(3.334*Log(LM1, cm) + 1.27; 3.106*Log(LM2) + 1.119; 3.143*Log(LM3) + 0.799; 3.218*	0.88	42.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	40	Smith Rockshelter	Travis	Holocene	Present study	LM1	length of first lower molar	R	1.29	0.84	43.3	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	46	Smith Rockshelter	Travis	Holocene	Present study	LP3	length of third lower premolar	R	1.06	0.56	44.1	Log(Body mass, kg) = 3.399*Log(LP3, cm) + 1.556	0.90	40.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	59	Levi Shelter	Travis	Pleistocene	Present study	Mc	distal end of metacarpal	R	2.46	2.10	44.1	Log(Body mass, kg)= 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	126	Levi Shelter	Travis	Pleistocene	Present study	RaB	distal end of radius	L	2.99	2.20	44.1	Log(Body mass, kg)= 2.4956*Log(RaB, cm) + 0.4581	0.96	20.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	83	Kincaid Shelter	Uvalde	Holocene	Present study	LM3	length of third lower molar	R	1.87	1.00	44.6	Log(Body mass, kg)= 3.143*Log(LM3, cm) + 0.799	0.96	19.1	cervids, Table 16.8; Damuth and MacFadden, Janis C.M 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	357	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L	3.23	1.75	45.6	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	1628	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	length of third lower molar	L	1.88	0.95	45.8	Log(Body mass, kg)= 3.143*Log(LM3, cm) + 0.799	0.96	19.1	cervids, Table 16.8; Damuth and MacFadden, Janis C.M 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	933	1657	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L	3.23	3.41	46.2	Log(Body mass, kg)= 2.6389*Log(HuB, cm) +0.2582	0.96	19.0	cervids only, Table 16.7; Damuth and MacFadden, Scott, K.M. 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	45	Smith Rockshelter	Travis	Holocene	Present study	LP4	length of fourth lower premolar	R	1.16	0.67	46.6	Log(Body mass, kg) = 3.13*Log(LP4, cm) + 1.471	0.94	27.2	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	39	Smith Rockshelter	Travis	Holocene	Present study	LM1	length of first lower molar	R	1.32	0.99	46.9	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40541	114	Starveout Cave	Carson	Holocene	Present study	UM2	length of second upper molar	L	1.51	1.46	46.9	Log(Body mass, g) = 3.34*Log(UM2, mm) +0.73	94.00	39.9	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1480	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		2.53	1.85	47.4	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	93C	Wunderlich site	Comal	Holocene	Present study	M	length of molar		1.52	1.55	47.8	=average(3.334*Log(LM1, cm) + 1.27; 3.106*Log(LM2) + 1.119; 3.143*Log(LM3) + 0.799; 3.218*	0.88	42.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1756	Kincaid Shelter	Uvalde	Holocene	Present study	UP3	length of third upper premolar	L	1.12	1.15	47.9	Log(Body mass, g) = 3.13*Log(UP3, mm) + 1.40	0.86	63.3	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	37	Smith Rockshelter	Travis	Holocene	Present study	LM1	length of first lower molar	R	1.34	0.94	48.8	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	110	Wunderlich site	Comal	Holocene	Present study	M	length of molar		1.53	1.46	48.9	=average(3.334*Log(LM1, cm) + 1.27; 3.106*Log(LM2) + 1.119; 3.143*Log(LM3) + 0.799; 3.218*	0.88	42.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3959	Kincaid Shelter	Uvalde	Holocene	Present study	RaB	distal end of radius	L	3.12	2.36	49.2	Log(Body mass, kg)= 2.4956*Log(RaB, cm) + 0.4581	0.96	20.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	101	Wunderlich site	Comal	Holocene	Present study	M	length of molar		1.53	0.96	49.3	=average(3.334*Log(LM1, cm) + 1.27; 3.106*Log(LM2) + 1.119; 3.143*Log(LM3) + 0.799; 3.218*	0.88	42.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	43279	3	Harrell Site	Young	Holocene	Present study	LM1	length of first lower molar	R	1.34	0.76	49.8	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3943	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		2.57	1.80	49.8	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	933	3675	Friesenhahn cave	Bexar	Pleistocene	Present study	UM3	length of third upper molar	L	1.53	1.33	50.1	Log(Body mass, g) = 3.29*Log(UM3, mm) + 0.8	0.93	44.7	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	48	Smith Rockshelter	Travis	Holocene	Present study	LM1	length of first lower molar	R	1.35	0.83	50.1	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41174	unknown	Felton cave	Sutton	Holocene	Present study	UP2	length of second upper premolar	R	1.10	1.02	50.4	Log(Body mass, g) = 3.26*Log(UP2, mm) + 1.31	0.86	66.8	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	49	Smith Rockshelter	Travis	Holocene	Present study	LM1	length of first lower molar	L	1.35	0.93	51.0	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	305	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM1	length of first upper molar	L	1.36	1.42	51.1	Log(Body mass, g) = 3.21*Log(UM1, mm) + 1.07	0.96	35.1	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3948	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		2.61	1.63	51.9	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	50	Smith Rockshelter	Travis	Holocene	Present study	UP4	length of fourth upper premolar	L	1.05	1.32	52.0	Log(Body mass, g) = 3.05*Log(UP3, mm) + 1.60	0.91	52.3	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41174	unknown	Felton cave	Sutton	Holocene	Present study	UP1	length of first upper premolar	R	1.11	0.93	52.5	Log(Body mass, g) = 3.26*Log(UP2, mm) + 1.31	0.89	66.8	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40544	311	Sheep Shelter	Hill	Holocene	Present study	LM1	length of first lower molar	R	1.37	1.00	52.5	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3968C	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.34	1.88	53.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	1822	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R	1.37		53.4	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41174	B	Felton cave	Sutton	Holocene	Present study	LM2	length of second lower molar	R	1.58	1.07	54.1	Log(Body mass, kg)= 3.106*Log(LM2, cm) + 1.119	0.95	20.4	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	32	Smith Rockshelter	Travis	Holocene	Present study	LM3	length of third lower molar	R	1.98	0.94	54.1	Log(Body mass, kg)= 3.143*Log(LM3, cm) + 0.799	0.96	19.1	cervids, Table 16.8; Damuth and MacFadden, Janis C.M 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	125	Wunderlich site	Comal	Holocene	Present study	UM2	length of second upper molar	R	1.58	1.46	54.3	Log(Body mass, g) = 3.34*Log(UM2, mm) +0.73	94.00	39.9	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3417	Kincaid Shelter	Uvalde	Pleistocene	Present study	AsA	cross-sectional area of astragalus	R	3.23	1.98	54.6	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	31034	2	O'Brian Ranch	Bee	Pleistocene	Present study	LM1	length of first lower molar	R	1.34	0.73	54.7	Log (Body mass, g) = 3.21*Log(LM1, mm) + 1.12	0.94	46.4	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	102	Wunderlich site	Comal	Holocene	Present study	LM1	length of first lower molar	R	1.38	1.00	54.9	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	144	Wunderlich site	Comal	Holocene	Present study	M	length of molar		1.59	1.35	56.0	=average(3.334*Log(LM1, cm) + 1.27; 3.106*Log(LM2) + 1.119; 3.143*Log(LM3) + 0.799; 3.218*	0.88	42.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3969	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.42	1.91	56.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	93D	Wunderlich site	Comal	Holocene	Present study	M	length of molar		1.60	1.52	56.7	=average(3.334*Log(LM1, cm) + 1.27; 3.106*Log(LM2) + 1.119; 3.143*Log(LM3) + 0.799; 3.218*	0.88	42.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	141	Levi Shelter	Travis	Pleistocene	Present study	UM1	length of first upper molar	L	1.41	1.28	56.8	Log(Body mass, g) = 3.21*Log(UM1, mm) + 1.07	0.96	35.1	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3431	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		2.71	1.81	56.9	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3452	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mc	distal end of metacarpal		2.71	2.02	57.1	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	139	Wunderlich site	Comal	Holocene	Present study	M	length of molar		1.61	1.41	57.5	=average(3.334*Log(LM1, cm) + 1.27; 3.106*Log(LM2) + 1.119; 3.143*Log(LM3) + 0.799; 3.218*	0.88	42.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	120	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.41	1.94	57.6	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	129	Levi Shelter	Travis	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L	3.52	3.38	57.6	Log(Body mass, kg)= 2.5568*Log(HuEB, cm) + 0.4084	0.96	20.0	cervids only, Table 16.7; Damuth and MacFadden, Scott, K.M. 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	53	Smith Rockshelter	Travis	Holocene	Present study	UP4	length of fourth upper premolar	R	1.09	0.84	58.1	Log(Body mass, g) = 3.05*Log(UP3, mm) + 1.60	0.91	52.3	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3832	Kincaid Shelter	Uvalde	Holocene	Present study	LM2	length of second lower molar		1.62	1.11	58.4	Log(Body mass, kg)= 3.106*Log(LM2, cm) + 1.119	0.95	20.4	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	3	-999	Pittsbridge	Brazos	Pleistocene	Present study	LM1	length of first lower molar		1.41	1.13	58.4	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	133	Levi Shelter	Travis	Pleistocene	Present study	LM1	length of first lower molar	L	1.41	0.82	58.5	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3944	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		2.74	1.89	58.6	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3969D	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.50	1.93	59.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	31	Smith Rockshelter	Travis	Holocene	Present study	LM1	length of first lower molar	L	1.42	0.95	59.4	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3955	Kincaid Shelter	Uvalde	Holocene	Present study	Mt	distal end of metatarsal		2.49	1.78	59.6	Log(Body mass, kg) = 2.9334*(log.Mt2, cm) +0.6132	0.94	24.0	Cervids, Table 16.7; Damuth and MacFadden 1990

Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40544	223	Sheep Shelter	Hill	Holocene	Present study	UP	length of upper premolar		1.15	1.28	60.0	og(Body mass, g) = average[3.26*Log(UP2, mm) + 1.31, 3.13*Log(UP3) + 1.4, 3.05*Log(UP4) + 1.6	>0.86	~65	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	LM1	length of first lower molar	R	1.42	0.79	60.2	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	649	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mc	distal end of metacarpal		2.77	1.83	60.4	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3972	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L	3.50	1.98	61.5	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	43407	unknown	Honey Creek Cave	Mason	Pleistocene	Present study	LM1	length of first lower molar	L	1.43	0.86	61.8	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	143	Wunderlich site	Comal	Holocene	Present study	LM1	length of first lower molar	R	1.44	1.31	62.1	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1349	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mc	distal end of metacarpal		2.80	1.82	62.3	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1750	Kincaid Shelter	Uvalde	Holocene	Present study	UM	length of upper molar	R	1.57	1.41	62.8	Log(Body mass, g) = average[3.21*Log(UM1)+1.07, 3.34*Log(UM2)+0.73,3.29*Log(UM3)+0.8]	>0.86	~50	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1100	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mc	distal end of metacarpal		2.81	1.90	62.8	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	47	Smith Rockshelter	Travis	Holocene	Present study	UP4	length of fourth upper premolar	L	1.12	1.19	62.9	Log(Body mass, g) = 3.05*Log(UP3, mm) + 1.60	0.91	52.3	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	84	Kincaid Shelter	Uvalde	Holocene	Present study	UM	length of upper molar	L	1.58	1.40	64.1	Log(Body mass, g) = average[3.21*Log(UM1)+1.07, 3.34*Log(UM2)+0.73,3.29*Log(UM3)+0.8]	>0.86	~50	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3949	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		2.83	1.87	64.2	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	105	Levi Shelter	Travis	Pleistocene	Present study	LM1	length of first lower molar	R	1.45	0.79	64.6	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3950	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		2.84	1.87	64.8	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	93B	Wunderlich site	Comal	Holocene	Present study	M	length of molar		1.67	1.53	65.3	) =average[3.334*Log(LM1, cm) + 1.27; 3.106*Log(LM2) + 1.119; 3.143*Log(LM3) + 0.799; 3.218*	0.88	42.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	140	Levi Shelter	Travis	Pleistocene	Present study	UM1	length of first upper molar	L	1.47	1.49	65.6	Log(Body mass, g) = 3.21*Log(UM1, mm) + 1.07	0.96	35.1	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	134	Wunderlich site	Comal	Holocene	Present study	LM3	length of third lower molar		2.11	1.10	65.8	Log(Body mass, kg)= 3.143*Log(LM3, cm) + 0.799	0.96	19.1	cervids, Table 16.8; Damuth and MacFadden, Janis C.M 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	43192	1	Hughes Ranch Indian Camp		Pleistocene	Present study	LM2	length of second lower molar	R	1.68	0.92	65.9	Log(Body mass, kg)= 3.106*Log(LM2, cm) + 1.119	0.95	20.4	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41174	55	Felton cave	Sutton	Holocene	Present study	LM	length of lower molar	R	1.68	0.97	67.0	ody mass, kg)= average[3.334*Log(LM1, cm) + 1.270 , 3.106*Log(LM2) + 1.119, 3.143*Log(LM3) +	0.95	21.7	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	51	Smith Rockshelter	Travis	Holocene	Present study	LM3	length of third lower molar	L	2.13	1.03	67.3	Log(Body mass, kg)= 3.143*Log(LM3, cm) + 0.799	0.96	19.1	cervids, Table 16.8; Damuth and MacFadden, Janis C.M 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1114	Kincaid Shelter	Uvalde	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L	3.62	2.04	67.6	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	2183	Kincaid Shelter	Uvalde	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L	3.58	2.07	67.8	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	1822	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM1	length of first upper molar	L	1.49	1.44	68.5	Log(Body mass, g) = 3.21*Log(UM1, mm) + 1.07	0.96	35.1	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3969E	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.64	2.05	68.7	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1601	Kincaid Shelter	Uvalde	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L	3.70	2.03	68.9	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	122	Levi Shelter	Travis	Pleistocene	Present study	UM1	length of first upper molar	R	1.49	0.99	69.1	Log(Body mass, g) = 3.21*Log(UM1, mm) + 1.07	0.96	35.1	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3968B	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.53	2.14	69.8	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	60	Wunderlich site	Comal	Holocene	Present study	LM3	length of third lower molar		2.15	1.00	69.8	Log(Body mass, kg)= 3.143*Log(LM3, cm) + 0.799	0.96	19.1	cervids, Table 16.8; Damuth and MacFadden, Janis C.M 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40279	105	Longhorn Cave	Burnet	Pleistocene	Present study	UM1	length of first upper molar	R	1.50	1.26	70.0	Log(Body mass, g) = 3.21*Log(UM1, mm) + 1.07	0.96	35.1	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	130	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L	3.65	2.08	70.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	43407	71	Honey Creek Cave	Mason	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar	L	1.58	0.94	70.4	Log(Body mass, kg)= average[3.334*Log(LM1,cm) + 1.270, 3.106*Log(LM2, cm) + 1.119]	0.95	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3945	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		2.94	2.04	70.9	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	125	Wunderlich site	Comal	Holocene	Present study	UM3	length of third upper molar	R	1.70	1.41	71.0	Log(Body mass, g) = 3.29*Log(UM3, mm) + 0.8	0.93	44.7	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	34	Smith Rockshelter	Travis	Holocene	Present study	LM1	length of first lower molar	R	1.50	0.84	71.3	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3329	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.71	2.07	71.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41174	A	Felton cave	Sutton	Holocene	Present study	LM1	length of first lower molar	R	1.50	1.02	71.5	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	97	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.70	2.07	71.5	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3969F	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.76	2.05	71.5	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	699	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.54	2.17	71.6	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3947	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		2.95	1.89	71.8	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3971	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L	3.79	2.04	72.2	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1566	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L	3.55	2.19	72.5	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	41	Smith Rockshelter	Travis	Holocene	Present study	LM1	length of first lower molar	L	1.51	0.66	73.6	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	9	Smith Rockshelter	Travis	Holocene	Present study	LM3	length of third lower molar	R	2.19	1.06	73.6	Log(Body mass, kg)= 3.143*Log(LM3, cm) + 0.799	0.96	19.1	cervids, Table 16.8; Damuth and MacFadden, Janis C.M 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1757	Kincaid Shelter	Uvalde	Holocene	Present study	UM	length of upper molar	R	1.65	1.50	73.9	Log(Body mass, g) = average[3.21*Log(UM1)+1.07, 3.34*Log(UM2)+0.73,3.29*Log(UM3)+0.8]	>0.86	~50	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1963	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mc	distal end of metacarpal		2.99	1.83	74.1	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3951	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		2.99	1.91	74.4	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3946	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		3.00	1.91	75.1	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	2258	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L	3.76	2.13	76.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3954	Kincaid Shelter	Uvalde	Holocene	Present study	Mt	distal end of metatarsal		2.71	1.72	76.5	Log(Body mass, kg) = 2.9334*(log Mt2, cm) +0.6132	0.94	24.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3970	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.85	2.10	77.0	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	153	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L	3.77	2.15	77.2	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	33	Smith Rockshelter	Travis	Holocene	Present study	LM3	length of third lower molar	R	2.22	0.98	77.6	Log(Body mass, kg)= 3.143*Log(LM3, cm) + 0.799	0.96	19.1	cervids, Table 16.8; Damuth and MacFadden, Janis C.M 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	251	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.65	2.24	78.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3467	Kincaid Shelter	Uvalde	Holocene	Present study	LM or LP	length of lower molar	L	1.71	1.07	78.4	g(Body mass, g) = average[3.21*Log(LM1, mm) + 1.12, 3.41*Log(LM2) + 0.72, 3.35*Log(LM3) + 0.	0.68	82.9	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	4524	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus		3.71	2.21	78.8	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3471	Kincaid Shelter	Uvalde	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L	3.67	2.24	79.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	38	Smith Rockshelter	Travis	Holocene	Present study	LM3	length of third lower molar	R	2.24	1.07	79.8	Log(Body mass, kg)= 3.143*Log(LM3, cm) + 0.799	0.96	19.1	cervids, Table 16.8; Damuth and MacFadden, Janis C.M 1990.
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	332	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L	4.03	2.07	80.5	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	758	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mc	distal end of metacarpal		3.09	1.88	80.7	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	672	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mc	distal end of metacarpal		3.09	1.93	80.8	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	393	Kincaid Shelter	Uvalde	Holocene	Present study	LM or LP	length of lower molar	L	1.73	1.02	81.3	g(Body mass, g) = average[3.21*Log(LM1, mm) + 1.12, 3.41*Log(LM2) + 0.72, 3.35*Log(LM3) + 0.	0.68	82.9	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	86	Levi Shelter	Travis	Pleistocene	Present study	UM1	length of first upper molar	R	1.58	0.89	82.4	Log(Body mass, g) = 3.21*Log(UM1, mm) + 1.07	0.96	35.1	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40544	316	Sheep Shelter	Hill	Holocene	Present study	LM1	length of first lower molar	L	1.57	1.11	83.1	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	492	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L	3.84	2.22	83.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	933	458	Friesenhahn Cave	Bexar	Pleistocene	Present study	UM1 or UM2	length of first or second upper molar	R	1.68	1.38	83.3	Log(Body mass, g) = average[3.21*Log(UM1, mm) + 1.07, 3.34*Log(UM2, mm) +0.73	0.96	35.1	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	43136	1	Fawcett's Cave	Val Verde	Pleistocene	Present study	Mc	distal end of metacarpal	L	3.13	2.06	83.5	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3969B	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	4.00	2.15	84.2	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3422	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		3.15	1.95	84.9	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1486	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		3.15	2.01	85.1	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3433	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	L	3.87	2.25	85.8	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3423	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	4.05	2.16	86.2	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3969C	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.96	2.21	86.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3427	Kincaid Shelter	Uvalde	Holocene	Present study	Mc	distal end of metacarpal		3.18	2.25	87.3	Log(Body mass, kg) = 2.6568*Log(MC2, cm) + 0.607	0.95	26.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	31107	32	Old Glory	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	L	1.59	1.12	87.9	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3952	Kincaid Shelter	Uvalde	Holocene	Present study	Mt	distal end of metatarsal		2.85	1.86	88.1	Log(Body mass, kg) = 2.9334*(log Mt2, cm) +0.6132	0.94	24.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40618	30	Smith Rockshelter	Travis	Holocene	Present study	LP2	length of second lower premolar	R	1.04	0.68	89.7	Log(Body mass, kg) = 3.619*Log(LP2, cm) + 1.885	0.87	33.0	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	76	Wunderlich site	Comal	Holocene	Present study	P2	length of second upper and lower premolar		1.21	0.70	90.0	Log(Body mass, g) = average[3.26*Log(UP2, mm) + 1.31, 2.75*Log(LP2) + 2.06]	0.81	75.0	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40541	103	Starveout Cave	Carson	Holocene	Present study	LM1	length of first lower molar		1.62	1.11	92.1	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3968	Kincaid Shelter	Uvalde	Holocene	Present study	AsA	cross-sectional area of astragalus	R	3.92	2.33	92.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1749	Kincaid Shelter	Uvalde	Holocene	Present study	UM1	length of first upper molar	R	1.64	1.34	92.7	Log(Body mass, g) = 3.21*Log(UM1, mm) + 1.07	0.96	35.1	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40544	126	Sheep Shelter	Hill	Holocene	Present study	UM	length of upper molar	R	1.36	0.91	94.3	ły mass, g) = average[3.21*Log(UM1, mm) + 1.07, 3.34*Log(UM2, mm)+0.73, 3.29*Log(UM3,mm	0.93	~40	Selenodont browsers, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	44	Wunderlich site	Comal	Holocene	Present study	P1	length of first premolar		1.08	1.11	98.2	Log(Body mass, g) = 2.89*Log(First Upper Premolar Length, mm UP1Length) + 2.01	0.89	80.4	all ungulates, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40434	820	Rattlesnake cave	Kinney	Holocene	Present study	UP3 or UP4	length of third or fourth upper premolar	R	1.35	0.83	98.2	Log(Body mass, g) =average[3.13*Log(UP3, mm) + 1.4, 3.05*Log(UP4) + 1.6]	>0.86	~58	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	497	Kincaid Shelter	Uvalde	Holocene	Present study	LM or LP	length of lower molar	L	1.84	1.07	99.7	g(Body mass, g) = average[3.21*Log(LM1, mm) + 1.12, 3.41*Log(LM2) + 0.72, 3.35*Log(LM3) + 0.	0.68	82.9	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990

Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3953	Kincaid Shelter	Uvalde	Holocene	Present study	Mt	distal end of metatarsal		2.97	2.06	99.9	Log(Body mass, kg) = 2.9334*(log Mt2, cm) +0.6132	0.94	24.0	Cervids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	157	Wunderlich site	Comal	Holocene	Present study	P2	length of second upper and lower premolar		1.26	0.74	101.4	Log(Body mass, g) = average[3.26*Log(UP2, mm) + 1.31, 2.75*Log(LP2) + 2.06]	0.81	75.0	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40544	16	Sheep Shelter	Hill	Holocene	Present study	UP	length of upper premolar	L	1.37	0.80	103.7	og(Body mass, g) = average[3.26*Log(UP2, mm) + 1.31, 3.13*Log(UP3) + 1.4, 3.05*Log(UP4) + 1.6	>0.86	~65	Selenodont browser, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	LM1	length of first lower molar	L	1.69	0.80	106.0	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	P3	length of third premolar	R	1.48	0.74	112.3	Log(Body mass, g) = average[3.13*Log(UP3, mm) + 1.4, 3.19*Log(LP3) + 1.31]	0.73	73.8	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40544	56	Sheep Shelter	Hill	Holocene	Present study	UM1?	length of third upper molar	R	1.97	0.90	113.7	Log(Body mass, g) = 3.29*Log(UM3,mm) +0.80	0.93	44.7	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40544	169	Sheep Shelter	Hill	Holocene	Present study	LM1	length of first lower molar	L	1.74	0.80	117.8	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	97	Wunderlich site	Comal	Holocene	Present study	P2	length of second upper and lower premolar		1.33	0.74	118.8	Log(Body mass, g) = average[3.26*Log(UP2, mm) + 1.31, 2.75*Log(LP2) + 2.06]	0.81	75.0	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40544	199	Sheep Shelter	Hill	Holocene	Present study	LM1	length of first lower molar	R	1.77	0.78	125.2	Log(Body mass, kg)= 3.334*Log(LM1, cm) + 1.270	0.93	23.9	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	825	Kincaid Shelter	Uvalde	Holocene	Present study	M2	length of second molar	R	2.08	1.03	125.6	Log(Body mass, kg) = average[3.106*Log(UM2, cm) + 1.119; 3.218*Log(LM2) + 1.073]	0.88	42.5	Cervids, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	93	Wunderlich site	Comal	Holocene	Present study	P1	length of first premolar		1.18	1.23	126.9	Log(Body mass, g) = 2.89*Log(First Upper Premolar Length, mm UP1Length) + 2.01	0.89	80.4	all ungulates, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40544	165	Sheep Shelter	Hill	Holocene	Present study	UM	length of upper molar	R	1.52	1.47	136.6	ły mass, g) = average[3.21*Log(UM1, mm) + 1.07, 3.34*Log(UM2, mm)+0.73, 3.29*Log(UM3,mm	0.93	~40	Selenodont browsers, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40544	43	Sheep Shelter	Hill	Holocene	Present study	UM	length of upper molar	R	1.58	0.98	154.7	ły mass, g) = average[3.21*Log(UM1, mm) + 1.07, 3.34*Log(UM2, mm)+0.73, 3.29*Log(UM3,mm	0.93	~40	Selenodont browsers, Table 16.9; Damuth and McFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	146	Wunderlich site	Comal	Holocene	Present study	P1	length of first premolar		1.29	1.08	165.4	Log(Body mass, g) = 2.89*Log(First Upper Premolar Length, mm UP1Length) + 2.01	0.89	80.4	all ungulates, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40544	246	Sheep Shelter	Hill	Holocene	Present study	UM1?	length of third upper molar	L	2.26	1.03	179.1	Log(Body mass, g) = 3.29*Log(UM3,mm) +0.80	0.93	44.7	Selenodont browsers, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	**Cervidae**	***Odocoileus***	***sp.***	**40544**	**288**	**Sheep Shelter**	**Hill**	Holocene	**Present study**	**LP**	**length of lower premolar**	**R**	**1.43**	**0.90**	**271.2**	**g(Body mass, kg) = average[3.619*Log(LP2, cm)+1.885, 3.399*Log(LP3)+1.556, 3.13*Log(LP4**	**0.87**	**33.0**	**Cervids, Table 16.8; Damuth and MacFadden 1990**
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	2255	Kincaid Shelter	Uvalde	Holocene	Present study	Thoracic vertebra	thoracic vertebra		3.30	5.38		no equation for thoracic vertebrae measurements found			
Artiodactyla	indet.	*indet.*	*sp.*	988	103	Scharbauer Ranch	Midland	Pleistocene	Present study	AsA	cross-sectional area of astragalus		3.60	2.03	66.4	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	3011	Friesenhahn cave	Bexar	Pleistocene	Present study	UM1	length of first upper molar	L	1.13	1.24	24.3	Log(Body mass, g) = 3.11*Log(UM1, mm) + 1.11	0.97	34.6	nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	1396	Friesenhahn cave	Bexar	Pleistocene	Present study	Mt	distal end of metatarsal	R	0.92	1.18	27.9	Log(Body mass, kg) = 2.9934*(log Mt2, cm) +1.23	0.92	19.0	Suids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	3488	Friesenhahn cave	Bexar	Pleistocene	Present study	Mt	distal end of metatarsal	R	0.87	1.24	32.0	Log(Body mass, kg) = 2.9934*(log Mt2, cm) +1.23	0.92	19.0	Suids, Table 16.7; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	1402	Friesenhahn cave	Bexar	Pleistocene	Lundelius 1960	UM2	length of second upper molar	R	1.73	1.60	56.8	Log(Body mass, g) = 2.96*Log(UM2, mm) +1.09	0.95	42.2	Nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	1402	Friesenhahn cave	Bexar	Pleistocene	Present study	UM2	length of second upper molar	R	1.78	1.59	61.6	Log(Body mass, g) = 2.96*Log(UM2, mm) +1.09	0.95	42.2	Nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	3360	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L	1.40	1.26	65.1	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	all ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	1401	Friesenhahn cave	Bexar	Pleistocene	Lundelius 1960	UM1	length of first upper molar	R	1.57	1.48	67.5	Log(Body mass, g) = 3.11*Log(UM1, mm) + 1.11	0.97	34.6	nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	995	Friesenhahn cave	Bexar	Pleistocene	Lundelius 1960	LM1	length of first lower molar	R	1.42	1.28	68.2	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	all ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	3581	Friesenhahn cave	Bexar	Pleistocene	Lundelius 1960	UM3	length of third upper molar	L	1.88	1.44	69.3	Log(Body mass, g) = 2.63*Log(UM3, mm) + 1.49	0.88	64.1	Nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	4342	Friesenhahn cave	Bexar	Pleistocene	Present study	UM1	length of first upper molar	R	1.69	1.39	84.9	Log(Body mass, g) = 3.11*Log(UM1, mm) + 1.11	0.97	34.6	nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	72	Friesenhahn cave	Bexar	Pleistocene	Present study	UM1	length of first upper molar	L	1.74	1.35	92.6	Log(Body mass, g) = 3.11*Log(UM1, mm) + 1.11	0.97	34.6	nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	1350	Friesenhahn cave	Bexar	Pleistocene	Lundelius 1960	LM3	length of third lower molar	R	2.28	1.41	99.0	Log(Body mass, g) = 2.81*Log(LM3, mm) + 1.18	0.89	60.5	nonselenodonts, Table 16.9; Damuth and MacFadden 1990.
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	3232	Friesenhahn cave	Bexar	Pleistocene	Present study	LM3	length of third lower molar	R	2.33	1.21	105.3	Log(Body mass, g) = 2.81*Log(LM3, mm) + 1.18	0.89	60.5	nonselenodonts, Table 16.9; Damuth and MacFadden 1990.
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	2106	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L	1.63	0.95	107.0	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	all ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Mylohyus*	*nasutus*	933	2107	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L	1.70	0.94	122.0	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	all ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Pecari*	*tajacu*	40685	1	Zesch Cave	Mason	Pleistocene	Present study	UM1	length of first upper molar		1.22	1.11	30.7	Log(Body mass, g) = 3.11*Log(UM1, mm) + 1.11	0.97	34.6	nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Pecari*	*tajacu*	41064	1	Leon River Shelter	Coryell	Pleistocene	Present study	LP4	length of fourth lower premolar	R	1.19	0.90	31.6	Log(Body mass, g) = 3.11*Log(LP4, mm) + 1.15	0.97	32.3	Nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	998	31	Scharbauer Ranch	Midland	Pleistocene	Present study	UM1	length of first upper molar	R	1.36	1.14	42.8	Log(Body mass, g) = 3.11*Log(UM1, mm) + 1.11	0.97	34.6	nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	41229	1364	Hall's Cave	Kerr	Pleistocene	Present study	LM2	length of second lower molar	L	1.48	1.04	47.2	Log(Body mass, kg)= 3.201*Log(LM2, cm) + 1.13	0.94	31.1	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	30967	1036	Ingleside	San Patricio	Pleistocene	Present study	UM1	length of first upper molar	R	1.48	1.46	56.6	Log(Body mass, g) = 3.11*Log(UM1, mm) + 1.11	0.97	34.6	nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	998	226	Scharbauer Ranch	Midland	Pleistocene	Present study	LM1	length of first lower molar	L	1.41	1.17	65.9	Log (Body mass, kg) = 3.263*Log(LM1, cm) + 1.337	0.93	34.6	all ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	2271	2400	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	LM2	length of second lower molar	R	1.70	1.34	74.3	Log(Body mass, kg)= 3.201*Log(LM2, cm) + 1.13	0.94	31.1	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	2271	2400	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	LM3	length of third lower molar	R	2.19	1.29	88.9	Log(Body mass, g) = 2.81*Log(LM3, mm) + 1.18	0.89	60.5	nonselenodonts, Table 16.9; Damuth and MacFadden 1990.
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	30967	1646	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM2	length of second lower molar	R	1.83	1.39	93.3	Log(Body mass, kg)= 3.201*Log(LM2, cm) + 1.13	0.94	31.1	Ungulates, Table 16.8; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	937	200	Blackwater Draw	sear Portal, NM	Pleistocene	Lundelius 1960	LM3	length of third lower molar		2.29	1.40	100.3	Log(Body mass, g) = 2.81*Log(LM3, mm) + 1.18	0.89	60.5	nonselenodonts, Table 16.9; Damuth and MacFadden 1990.
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	30967	707	Ingleside	San Patricio	Pleistocene	Present study	UM3	length of third upper molar	?	2.19	1.80	104.1	Log(Body mass, g) = 2.63*Log(UM3, mm) + 1.49	0.88	64.1	Nonselenodonts, Table 16.9; Damuth and MacFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	933	3958	Friesenhahn cave	Bexar	Pleistocene	Present study	LM3	length of third lower molar	L	2.62	1.38	145.9	Log(Body mass, g) = 2.81*Log(LM3, mm) + 1.18	0.89	60.5	nonselenodonts, Table 16.9; Damuth and MacFadden 1990.
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	933	895	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L	3.96	3.91	68.3	Log(Body mass, kg) = 2.6454*Log(HuEB, cm) +0.2538	0.96	19.0	Artiodactyla; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	933	1352	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	R	4.01	3.82	70.6	Log(Body mass, kg) = 2.6454*Log(HuEB, cm) +0.2538	0.96	19.0	Artiodactyla; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	933	983	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L	4.01	4.29	70.8	Log(Body mass, kg) = 2.6454*Log(HuEB, cm) +0.2538	0.96	19.0	Artiodactyla; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	933	1351	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	R	4.19	4.27	79.1	Log(Body mass, kg) = 2.6454*Log(HuEB, cm) +0.2538	0.96	19.0	Artiodactyla; Table 16.7; Damuth and McFadden 1990
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	933	1354	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	R	4.53	5.93	85.5	Log(Body mass, kg) = 3.0451*Log(FeB, cm) - 0.0643	0.94	16.0	suids, Table 16.7; Damuth and MacFadden 1993
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	933	1850	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	L	4.56	5.59	87.7	Log(Body mass, kg) = 3.0451*Log(FeB, cm) - 0.0643	0.94	16.0	suids, Table 16.7; Damuth and MacFadden 1992
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	933	1429	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	R	4.57	5.64	88.0	Log(Body mass, kg) = 3.0451*Log(FeB, cm) - 0.0643	0.94	16.0	suids, Table 16.7; Damuth and MacFadden 1991
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	933	1353	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	L	4.75	5.64	99.0	Log(Body mass, kg) = 3.0451*Log(FeB, cm) - 0.0643	0.94	16.0	suids, Table 16.7; Damuth and MacFadden 1990
Carnivora	Canidae	*Canis*	*dirus*	30967	172c	Ingleside	San Patricio	Pleistocene	Present study	AsL	length of astragalus	L	3.24	2.56	25.8	Log(Body mass, g) = 3.16*Log(AsL, mm) -0.36	0.99	12.0	Pardi 2016
Carnivora	Canidae	*Canis*	*dirus*	908	2425	Kincaid Shelter	Uvalde	Pleistocene	Present study	UM1	length of first upper molar	L	1.51	0.76	29.1	Log(Body mass, g) = 2.54*(Log (UM1, mm) +1.47	0.88	na	Canids, Present study
Carnivora	Canidae	*Canis*	*dirus*	908	2374	Kincaid Shelter	Uvalde	Pleistocene	Present study	LM2	length of second lower molar	R	1.22	0.93	31.2	Log(Body mass, g) = 3.747*Log(LM2, mm) + 0.43	0.89		Present Study
Carnivora	Canidae	*Canis*	*dirus*	908	2323	Kincaid Shelter	Uvalde	Pleistocene	Present study	LM2	length of second lower molar	L	1.22	0.91	31.6	Log(Body mass, g) = 3.747*Log(LM2, mm) + 0.43	0.89		Present Study
Carnivora	Canidae	*Canis*	*dirus*	933	483	Friesenhahn cave		Pleistocene	Pardi 2016	TiAPD	Tibia	L			32.4				
Carnivora	Canidae	*Canis*	*dirus*	933	2505	Friesenhahn cave		Pleistocene	Pardi 2016	TiL	length of tibia	R			33.2				
Carnivora	Canidae	*Canis*	*dirus*	41343	128	Laubach 3, east wall, south		Pleistocene	Pardi 2016	UlOL	Ulna, proximal				34.0				
Carnivora	Canidae	*Canis*	*dirus*	933	2275	Friesenhahn cave		Pleistocene	Pardi 2016	HuMAPD	midshaft anteroposterior diameter of humerus	R			34.5				
Carnivora	Canidae	*Canis*	*dirus*	933	1963	Friesenhahn cave		Pleistocene	Pardi 2016	RaL	length of radius				35.9				
Carnivora	Canidae	*Canis*	*dirus*	40685	384	Zesch Cave	Mason	Pleistocene	Sagebiel 2010	LP4	length of fourth lower premolar	R	1.64		38.5	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*dirus*	933	484	Friesenhahn cave		Pleistocene	Pardi 2016	TiL	length of tibia	L			38.9				
Carnivora	Canidae	*Canis*	*dirus*	933	2274	Friesenhahn cave		Pleistocene	Pardi 2016	TiL	length of tibia	R			38.9				
Carnivora	Canidae	*Canis*	*dirus*	933	1961	Friesenhahn cave		Pleistocene	Pardi 2016	FeHD	proximal end; diameter of femoral head	L			42.8				
Carnivora	Canidae	*Canis*	*dirus*	933	1195	Friesenhahn cave		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	L			42.9				
Carnivora	Canidae	*Canis*	*dirus*	933	1961	Friesenhahn cave		Pleistocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur	L			45.2				
Carnivora	Canidae	*Canis*	*dirus*	30967	955	Ingleside	San Patricio	Pleistocene	Present study	CaL	length of calcaneum	R	6.68		45.7	Log(Body mass, g) = 3.03*Log(Cal, mm) -0.87	0.99	11.1	Pardi 2016
Carnivora	Canidae	*Canis*	*dirus*	31034	25	O'Brian Ranch	Bee	Pleistocene	Present study	LM1	length of first lower molar	L	3.21	1.36	48.4	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016
Carnivora	Canidae	*Canis*	*dirus*	41343	11	Laubach 3, east wall, south		Pleistocene	Pardi 2016	UlOL	Ulna, proximal				48.4				
Carnivora	Canidae	*Canis*	*dirus*	908	2429	Kincaid Shelter		Pleistocene	Pardi 2016	FeHD	proximal end; diameter of femoral head				48.7				
Carnivora	Canidae	*Canis*	*dirus*	30967	172B	Ingleside	San Patricio	Pleistocene	Present study	CaL	length of calcaneum	L	6.84		49.1	Log(Body mass, g) = 3.03*Log(Cal, mm) -0.87	0.99	11.1	Pardi 2016
Carnivora	Canidae	*Canis*	*dirus*	30967	975A	Ingleside	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	R	1.45	0.97	49.6	Log(Body mass, g) = 1.99229*(Log (UM2, mm) +2.385	0.90	na	Present Study
Carnivora	Canidae	*Canis*	*dirus*	933	1846	Friesenhahn cave		Pleistocene	Pardi 2016	RaL	length of radius				51.1				
Carnivora	Canidae	*Canis*	*dirus*	40449	563	Levi Shelter	Travis	Pleistocene	Present study	LM1	length of first lower molar	L	3.28	1.34	51.3	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016
Carnivora	Canidae	*Canis*	*dirus*	1295	104	Clamp Cave		Pleistocene	Pardi 2016	FeHD	proximal end; diameter of femoral head	L			51.3				
Carnivora	Canidae	*Canis*	*dirus*	30967	975B	Ingleside	San Patricio	Pleistocene	Present study	UM2	length of second upper molar	R	1.48	1.49	52.0	Log(Body mass, g) = 1.99229*(Log (UM2, mm) +2.385	0.90	na	Present Study
Carnivora	Canidae	*Canis*	*dirus*	30967	172a	Ingleside	San Patricio	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus		5.56	4.35	53.2	Log(Body mass, g) = 2.58*Log(HuEB, mm) -0.214	0.94	na	Present Study
Carnivora	Canidae	*Canis*	*dirus*	908	2328	Kincaid Shelter		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar	R			53.4				
Carnivora	Canidae	*Canis*	*dirus*	40449	175	Levi Shelter	Travis	Pleistocene	Present study	P	length of premolar		1.83	0.86	55.1	Log(Body mass, g) = 3.3177*Log(LP4, mm) + 0.5544	0.85		Canids, Present Study
Carnivora	Canidae	*Canis*	*dirus*	933	1933	Friesenhahn cave		Pleistocene	Pardi 2016	TiL	length of tibia	R			56.1				
Carnivora	Canidae	*Canis*	*dirus*	933	1962	Friesenhahn cave		Pleistocene	Pardi 2016	TiL	length of tibia	L			56.1				
Carnivora	Canidae	*Canis*	*dirus*	933	1847	Friesenhahn cave		Pleistocene	Pardi 2016	UlOL	Ulna, proximal	R			56.8				

Carnivora	Canidae	*Canis*	*dirus*	933	2822	Friesenhahn cave		Pleistocene	Pardi 2016	FeAPDd	distal end; anterior-posterior diameter of femur	L			56.9					
Carnivora	Canidae	*Canis*	*dirus*	43407	35	Honey Creek Cave	Mason	Pleistocene	Present study	LM1	length of first lower molar	R	3.41	1.28	57.7	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Canis*	*dirus*	30967	300	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	L	3.45	1.35	59.5	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Canis*	*dirus*	933	1960	Friesenhahn cave		Pleistocene	Pardi 2016	FeAPDd	distal end; anterior-posterior diameter of femur	R			60.1					
Carnivora	Canidae	*Canis*	*dirus*	933	1907	Friesenhahn cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R			62.8	based on size, assigning to C. dirus				
Carnivora	Canidae	*Canis*	*dirus*	30967	1937	Ingleside	San Patricio	Pleistocene	Present study	UM1	length of first upper molar		2.06	2.76	64.6	Log(Body mass, g) = 2.54*(Log (UM1, mm) +1.47	0.88	na	Canids, Present study	
Carnivora	Canidae	*Canis*	*dirus*	30967	172B	Ingleside	San Patricio	Pleistocene	Present study	CaL	length of calcaneum	L	7.50		64.9	Log(Body mass, g) = 3.03*Log(Cal, mm) -0.87	0.99	11.1	Pardi 2016	
Carnivora	Canidae	*Canis*	*dirus*	908	2427	Kincaid Shelter	Uvalde	Pleistocene	Present study	UM1	length of first upper molar	L	2.11	1.84	68.8	Log(Body mass, g) = 2.54*(Log (UM1, mm) +1.47	0.88	na	Canids, Present study	
Carnivora	Canidae	*Canis*	*dirus*	30967	299	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar		3.65		70.4	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Canis*	*dirus*	933	3904	Friesenhahn cave		Pleistocene	Pardi 2016	HuMAPD	midshaft anteroposterior diameter of humerus	R			73.7					
Carnivora	Canidae	*Canis*	*dirus*	30967	1030	Ingleside	San Patricio	Pleistocene	Present study	UM1	length of first upper molar	R	2.20	1.85	76.2	Log(Body mass, g) = 2.54*(Log (UM1, mm) +1.47	0.88	na	Canids, Present study	
Carnivora	Canidae	*Canis*	*dirus*	933	1848	Friesenhahn cave		Pleistocene	Pardi 2016	HuMAPD	midshaft anteroposterior diameter of humerus	L			77.2					
Carnivora	Canidae	*Canis*	*dirus*	933	1849	Friesenhahn cave		Pleistocene	Pardi 2016	HuMAPD	midshaft anteroposterior diameter of humerus	R			79.1					
Carnivora	Canidae	*Canis*	*dirus*	977	4	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM1	length of first lower molar	L	3.65		82.7	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Canis*	*dirus*	31141	62	Aransas River	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R	4.00	1.47	91.7	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Canis*	*dirus*	933	71	Friesenhahn cave	Bexar	Pleistocene	Present study	UM1	length of first upper molar	L	2.48	1.93	103.2	Log(Body mass, g) = 2.54*(Log (UM1, mm) +1.47	0.88	na	Canids, Present study	
Carnivora	Canidae	*Canis*	*dirus*	40449	183	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx		0.93	0.79		N/A				
Carnivora	Canidae	*Canis*	*dirus (cf)*	30967	1105	Ingleside	San Patricio	Pleistocene	Present study	UM1	length of first upper molar	R	1.90	0.71	52.2	Log(Body mass, g) = 2.54*(Log (UM1, mm) +1.47	0.88	na	Canids, Present study	
Carnivora	Canidae	*Canis*	*dirus (cf)*	933	2	Friesenhahn cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	L			60.1	based on size, assigning to C. dirus				
Carnivora	Canidae	*Canis*	*dirus (cf)*	933	3668	Friesenhahn cave	Bexar	Pleistocene	Present study	UM2	length of second upper molar	L	1.17	0.72	84.6	Log(Body mass, g) = 3.413*(Log (UM2, mm) +1.29	0.82	na	Canids, Present study	
Carnivora	Canidae	*Canis*	*dirus (cf)*	40540	65	Miller's Cave	Llano	Pleistocene	Present study	UM2	length of second upper molar	L	1.24	0.79	105.0	Log(Body mass, g) = 3.413*(Log (UM2, mm) +1.29	0.82	na	Canids, Present study	
Carnivora	Canidae	*Canis*	*familiaris*	43202	81	Ranny Creek Cave		Holocene	Pardi 2016	RaL	length of radius	L			5.1					
Carnivora	Canidae	*Canis*	*familiaris*	43202	79	Ranny Creek Cave		Holocene	Pardi 2016	UlOL	Ulna, proximal	R			5.6					
Carnivora	Canidae	*Canis*	*familiaris*	43481	6	W. Culp Site		Holocene	Pardi 2016	TiL	length of tibia	L			6.8					
Carnivora	Canidae	*Canis*	*familiaris*	43133	231	Bering Sinkhole		Holocene	Pardi 2016	UP4	length of fourth upper premolar	R			7.0					
Carnivora	Canidae	*Canis*	*familiaris*	43202	70	Ranny Creek Cave		Holocene	Pardi 2016	LM1	length of first lower molar	R			7.1					
Carnivora	Canidae	*Canis*	*familiaris*	43202	77	Ranny Creek Cave		Holocene	Pardi 2016	UP4	length of fourth upper premolar	R			7.3					
Carnivora	Canidae	*Canis*	*familiaris*	43133	219	Bering Sinkhole		Holocene	Pardi 2016	UP4	length of fourth upper premolar	R			7.7					
Carnivora	Canidae	*Canis*	*familiaris*	908	4342	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	L			7.9					
Carnivora	Canidae	*Canis*	*familiaris*	43133	220	Bering Sinkhole		Holocene	Pardi 2016	UP4	length of fourth upper premolar	L			8.5					
Carnivora	Canidae	*Canis*	*familiaris*	43202	84	Ranny Creek Cave		Holocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	R			8.6					
Carnivora	Canidae	*Canis*	*familiaris*	908	383	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	L			8.6					
Carnivora	Canidae	*Canis*	*familiaris*	43202	71	Ranny Creek Cave		Holocene	Pardi 2016	LM1	length of first lower molar	R			9.0					
Carnivora	Canidae	*Canis*	*familiaris*	43445	36	Boneyard Pit		Holocene	Pardi 2016	UP4	length of fourth upper premolar	L			9.0					
Carnivora	Canidae	*Canis*	*familiaris*	43133	216	Bering Sinkhole		Holocene	Pardi 2016	LM1	length of first lower molar	L			9.1					
Carnivora	Canidae	*Canis*	*familiaris*	43202	7	Ranny Creek Cave		Holocene	Pardi 2016	HuMAPD	midshaft anteroposterior diameter of humerus	L			10.1					
Carnivora	Canidae	*Canis*	*familiaris*	43133	214	Bering Sinkhole		Holocene	Pardi 2016	LM1	length of first lower molar	L			10.8					
Carnivora	Canidae	*Canis*	*familiaris*	Schulze Cave	7187	Schulze Cave		Holocene	Pardi 2016	UP4	length of fourth upper premolar				11.1					
Carnivora	Canidae	*Canis*	*familiaris*	41229	9951	Hall's Cave		Holocene	Pardi 2016	LM1	length of first lower molar	R			11.4					
Carnivora	Canidae	*Canis*	*familiaris*	908	2143	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar				12.2					
Carnivora	Canidae	*Canis*	*familiaris*	908	3845	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	L			17.1					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4265	Kincaid Shelter	Uvalde	Holocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	R	2.28	1.48	5.3	Log(Body mass, g) = 2.58*Log(HuEB, mm) -0.214	0.94	na	Present Study	
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4295	Kincaid Shelter		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	L			5.7					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	40449	98	Levi Shelter, Pleistocene		Pleistocene	Pardi 2016	HuHTL	Humerus, distal	L			6.1					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4293	Kincaid Shelter	Uvalde	Holocene	Present study	HuHD	proximal end; diameter of humerus head	L	2.69	1.91	6.2	Ln (Body mass, kg) = 2.645*Ln(HuHD, mm)+-6.882	0.84	17.9	Losey et al. 2017	
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4296	Kincaid Shelter		Pleistocene	Pardi 2016	UlOL	Ulna, distal	L			6.4					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4294	Kincaid Shelter	Uvalde	Holocene	Present study	HuHD	proximal end; diameter of humerus head	L	2.75	2.21	6.6	Ln (Body mass, kg) = 2.645*Ln(HuHD, mm)+-6.882	0.84	17.9	Losey et al. 2017	
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4316	Kincaid Shelter		Pleistocene	Pardi 2016	AsL	length of astragalus	L			6.8					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4306	Kincaid Shelter	Uvalde	Pleistocene	Present study	RaB	distal end of radius	R	1.71		6.9	Ln (Body mass, kg) = 2.63*Ln(RaB, mm)+-5.528	0.79	18.1	Losey et al. 2017	
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4292	Kincaid Shelter		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	L			7.0					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	3935	Kincaid Shelter		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	L			7.2					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	43202	6	Ranny Creek Cave		Holocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur	R			7.3					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4315	Kincaid Shelter		Pleistocene	Pardi 2016	AsL	length of astragalus	L			7.4					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	43202	5	Ranny Creek Cave		Holocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur	L			7.4					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	41229	6561	Hall's Cave		Holocene	Pardi 2016	CaL	length of calcaneum	L			7.5					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	40618	225	Smith Rockshelter		Holocene	Pardi 2016	UP4	length of fourth upper premolar	L			7.7					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	43201	2	Cunningham Shelter		Holocene	Pardi 2016	LM1	length of first lower molar	L			7.9					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4268	Kincaid Shelter		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	R			8.0					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	3577	Kincaid Shelter		Pleistocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur				8.2					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	3938	Kincaid Shelter		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar	R			8.4					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4305	Kincaid Shelter	Uvalde	Pleistocene	Present study	RaB	distal end of radius	L	1.84	1.21	8.4	Ln (Body mass, kg) = 2.63*Ln(RaB, mm)+-5.528	0.79	18.1	Losey et al. 2017	
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4262	Kincaid Shelter		Pleistocene	Pardi 2016	FeHD	proximal end; diameter of femoral head	R			8.5					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4469	Kincaid Shelter		Pleistocene	Pardi 2016	UlOL	Ulna, distal	L			8.6					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4263	Kincaid Shelter		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	R			8.6					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	41229	721	Hall's Cave		Holocene	Pardi 2016	RaL	length of radius	R			8.7					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4258	Kincaid Shelter		Pleistocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur	R			8.8					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	40618	244	Smith Rockshelter		Holocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur	R			9.0					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	43445	35	Boneyard Pit		Holocene	Pardi 2016	UP4	length of fourth upper premolar	L			9.2					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	43279	2	Harrell Site	Young	Holocene	Present study	LP4	length of fourth lower premolar	R	1.07	0.60	9.4	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study	
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4327	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	R			9.6					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	43202	73	Ranny Creek Cave		Holocene	Pardi 2016	UP4	length of fourth upper premolar	L			9.6					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4264	Kincaid Shelter		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	R			9.6					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4330	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	R			9.7					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4267	Kincaid Shelter		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	R			10.0					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4259	Kincaid Shelter		Pleistocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur	L			10.1					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4331	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	R			10.1					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4332	Kincaid Shelter		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar	L			10.3					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	3934	Kincaid Shelter		Pleistocene	Pardi 2016	FeHD	proximal end; diameter of femoral head	R			10.8					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	4324	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	L			10.8					
Carnivora	Canidae	*Canis*	*lupus familiaris/latrans (c*	908	3939	Kincaid Shelter		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar	R			10.9					

Carnivora	Canidae	*Canis*	*familiaris/latrans (c*	40449	102	Levi Shelter, Pleistocene		Pleistocene	Pardi 2016	AsL	length of astragalus	L				10.9					
Carnivora	Canidae	*Canis*	*familiaris/latrans (c*	Schulze Cave	7212	Schulze Cave		Holocene	Pardi 2016	UlOL	Ulna, proximal					10.9					
Carnivora	Canidae	*Canis*	*familiaris/latrans (c*	Schulze Cave	None	Schulze Cave		Holocene	Pardi 2016	FeAPDd	distal end; anterior-posterior diameter of femur	L				11.4					
Carnivora	Canidae	*Canis*	*familiaris/latrans (c*	40618	227	Smith Rockshelter		Holocene	Pardi 2016	LM1	length of first lower molar	L				11.5					
Carnivora	Canidae	*Canis*	*familiaris/latrans (c*	908	4260	Kincaid Shelter		Pleistocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur	L				11.5					
Carnivora	Canidae	*Canis*	*familiaris/latrans (c*	Schulze Cave	None	Schulze Cave		Holocene	Pardi 2016	CaL	length of calcaneum					12.4					
Carnivora	Canidae	*Canis*	*familiaris/latrans (c*	Schulze Cave	7211	Schulze Cave		Holocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus					12.5					
Carnivora	Canidae	*Canis*	*familiaris/latrans (c*	908	4297	Kincaid Shelter	Uvalde	Holocene	Present study	RaB	distal end of radius	L			2.18	1.21	13.1	Ln (Body mass, kg) = 2.63*Ln(RaB, mm)+-5.528	0.79	18.1	Losey et al. 2017
Carnivora	Canidae	*Canis*	*familiaris/latrans (c*	908	3937	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	R					13.5				
Carnivora	Canidae	*Canis*	*familiaris/latrans (c*	908	4326	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	R					14.0				
Carnivora	Canidae	*Canis*	*familiaris/latrans (c*	908	4325	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L			2.23		16.6	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016
Carnivora	Canidae	*Canis*	*latrans*	Schulze Cave	7301	Schulze Cave		Holocene	Pardi 2016	LM1	length of first lower molar	L				2.0					
Carnivora	Canidae	*Canis*	*latrans*	43133	1421	Bering Sinkhole	Kerr	Holocene	Present study	LP2	length of second lower premolar	R			0.76	0.37	3.0	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*latrans*	908	3523	Kincaid Shelter	Uvalde	Pleistocene	Present study	HuHD	proximal end; diameter of humerus head	R			2.32	2.43	4.2	Ln (Body mass, kg) = 2.645*Ln(HuHD, mm)+-6.882	0.84	17.9	Losey et al. 2017
Carnivora	Canidae	*Canis*	*latrans*	908	3461	Kincaid Shelter		Pleistocene	Pardi 2016	HuHTL	Humerus, distal	R					4.4				
Carnivora	Canidae	*Canis*	*latrans*	40449	71	Levi Shelter	Travis	Pleistocene	Present study	TiB	distal end; breadth of tibia	L			2.00	1.45	4.9	Log(Body mass in g) = (2.54)*Log(Tibial tuberosity length in mm(TiSL)) + (0.39)	0.96	16.5	Pardi 2016
Carnivora	Canidae	*Canis*	*latrans*	40449	348	Levi Shelter	Travis	Pleistocene	Present study	RaL	length of radius	L			11.96	9.65	5.1	Log(Body mass, g) = 3.1*Log(RaL, mm) + -2.92	0.98	13.6	Pardi 2016
Carnivora	Canidae	*Canis*	*latrans*	43133	211	Bering Sinkhole	Kerr	Holocene	Present study	P3	length of third premolar	L?			0.89	0.44	5.1	Log(Body mass, g) = 3.3177*Log(Lower Premolar Length, mm (LP3, LP4)) + 0.5544	0.85		Canids, Present Study
Carnivora	Canidae	*Canis*	*latrans*	908	1159	Kincaid Shelter	Uvalde	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L			2.41	2.01	6.1	Log(Body mass, g) = 2.58*Log(HuEB, mm) +-0.214	0.94	na	Present Study
Carnivora	Canidae	*Canis*	*latrans*	43133	1429	Bering Sinkhole	Kerr	Holocene	Present study	LP2 or LP3	length of lower second or third premolar	R			0.94	0.45	6.2	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*latrans*	43133	1436	Bering Sinkhole	Kerr	Holocene	Present study	LP2 or LP3	length of lower second or third premolar	L			0.95	0.40	6.2	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*latrans*	30967	1563	Ingleside	San Patricio	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	R	1.21	4.076	2.68	2.90	6.3	Log(Body mass, g) = 2.86*Log(FeB, mm) -0.12	0.99	9.2	Pardi 2016
Carnivora	Canidae	*Canis*	*latrans*	933	2118	Friesenhahn cave		Pleistocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur	L					6.3				
Carnivora	Canidae	*Canis*	*latrans*	933	3672	Friesenhahn cave	Bexar	Pleistocene	Present study	AsL	length of astragalus	L			2.11		6.7	Log(Body mass, g) = 3.16*Log(AsL, mm) -0.36	0.99	12.0	Pardi 2016
Carnivora	Canidae	*Canis*	*latrans*	908	1465	Kincaid Shelter		Pleistocene	Pardi 2016	HuHTL	Humerus, distal	R					7.0				
Carnivora	Canidae	*Canis*	*latrans*	40450	1608	Cave without a Name	Kendall	Pleistocene	Present study	LM1	length of first lower molar	L			1.66		7.0	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016
Carnivora	Canidae	*Canis*	*latrans*	933	2013	Friesenhahn cave		Pleistocene	Pardi 2016	TiSL	Tibia, proximal	R					7.0				
Carnivora	Canidae	*Canis*	*latrans*	30967	52	Ingleside	San Patricio	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	L	1.14	3.561	2.33	3.03	7.1	Log(Body mass, g) = 2.86*Log(FeB, mm) -0.12	0.99	9.2	Pardi 2016
Carnivora	Canidae	*Canis*	*latrans*	MSB	41430			Modern	Pardi 2016	LM1	length of first lower molar						7.2				
Carnivora	Canidae	*Canis*	*latrans*	933	3673	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L				2.48	7.2	Log(Body mass, g) = 2.5*Log(HuEB, mm) + 0.37	0.99	10.6	Pardi 2016
Carnivora	Canidae	*Canis*	*latrans*	933	164	Friesenhahn cave	Bexar	Pleistocene	Present study	HuHD	proximal end; diameter of humerus head	R			2.84	2.90	7.2	Ln (Body mass, kg) = 2.645*Ln(HuHD, mm)+-6.882	0.84	17.9	Losey et al. 2017
Carnivora	Canidae	*Canis*	*latrans*	30967	1348	Ingleside	San Patricio	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	R			2.57	2.06	7.2	Log(Body mass, g) = 2.58*Log(HuEB, mm) +-0.214	0.94	na	Present Study
Carnivora	Canidae	*Canis*	*latrans*	43133	212	Bering Sinkhole	Kerr	Holocene	Present study	P3	length of third premolar	L			1.00	0.46	7.4	Log(Body mass, g) = 3.3177*Log(Lower Premolar Length, mm (LP3, LP4)) + 0.5544	0.85		Canids, Present Study
Carnivora	Canidae	*Canis*	*latrans*	43133	1435	Bering Sinkhole	Kerr	Holocene	Present study	LP3	length of third lower premolar	R			1.00	0.51	7.5	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*latrans*	933	1630	Friesenhahn cave		Pleistocene	Pardi 2016	HuMAPD	midshaft anteroposterior diameter of humerus	R					7.5				
Carnivora	Canidae	*Canis*	*latrans*	908	3258	Kincaid Shelter		Pleistocene	Pardi 2016	AsL	length of astragalus	R					7.8				
Carnivora	Canidae	*Canis*	*latrans*	908	3789	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	L					7.9				
Carnivora	Canidae	*Canis*	*latrans*	43133	1431	Bering Sinkhole	Kerr	Holocene	Present study	LP3	length of third lower premolar	L			1.02	0.42	8.0	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*latrans*	933	1633	Friesenhahn cave		Pleistocene	Pardi 2016	FeHD	proximal end; diameter of femoral head	L					8.0				
Carnivora	Canidae	*Canis*	*latrans*	MSB	230592			Modern	Pardi 2016	LM1	length of first lower molar						8.1				
Carnivora	Canidae	*Canis*	*latrans*	30967	1616	Ingleside	San Patricio	Pleistocene	Present study	LP3	length of third lower premolar	L			1.03	0.43	8.2	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*latrans*	933	3666	Friesenhahn cave	Bexar	Pleistocene	Present study	LP3	length of third lower premolar	L			1.03	0.38	8.2	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*latrans*	MSB	1222			Modern	Pardi 2016	LM1	length of first lower molar						8.3				
Carnivora	Canidae	*Canis*	*latrans*	908	925	Kincaid Shelter		Pleistocene	Pardi 2016	TiSL	Tibia, proximal	L					8.3				
Carnivora	Canidae	*Canis*	*latrans*	908	1428	Kincaid Shelter		Pleistocene	Pardi 2016	CaL	length of calcaneum	R					8.4				
Carnivora	Canidae	*Canis*	*latrans*	MSB	41039			Modern	Pardi 2016	LM1	length of first lower molar						8.4				
Carnivora	Canidae	*Canis*	*latrans*	43202	72	Ranny Creek Cave		Holocene	Pardi 2016	LM1	length of first lower molar	R					8.4				
Carnivora	Canidae	*Canis*	*latrans*	908	3788	Kincaid Shelter		Pleistocene	Pardi 2016	FeHD	proximal end; diameter of femoral head	R					8.6				
Carnivora	Canidae	*Canis*	*latrans*	Schulze Cave	7304	Schulze Cave		Holocene	Pardi 2016	FeHD	proximal end; diameter of femoral head						8.6				
Carnivora	Canidae	*Canis*	*latrans*	804	107	Montell Shelter		Holocene	Pardi 2016	LM1	length of first lower molar	R					8.7				
Carnivora	Canidae	*Canis*	*latrans*	908	1449	Kincaid Shelter	Uvalde	Pleistocene	Present study	RaB	distal end of radius	L			1.86	1.38	8.7	Ln (Body mass, kg) = 2.63*Ln(RaB, mm)+-5.528	0.79	18.1	Losey et al. 2017
Carnivora	Canidae	*Canis*	*latrans*	908	1139	Kincaid Shelter		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	L					8.8				
Carnivora	Canidae	*Canis*	*latrans*	908	437	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	R					8.9				
Carnivora	Canidae	*Canis*	*latrans*	43133	1437	Bering Sinkhole	Kerr	Holocene	Present study	LP3	length of third lower premolar	R			1.06	0.43	8.9	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*latrans*	MSB	160107			Modern	Pardi 2016	SKL	length of skull						9.1				
Carnivora	Canidae	*Canis*	*latrans*	908	2316	Kincaid Shelter		Pleistocene	Pardi 2016	UlOL	Ulna, proximal	R					9.1				
Carnivora	Canidae	*Canis*	*latrans*	MSB	198302			Modern	Pardi 2016	LM1	length of first lower molar						9.2				
Carnivora	Canidae	*Canis*	*latrans*	40449	97	Levi Shelter, Pleistocene		Pleistocene	Pardi 2016	UlOL	Ulna	L					9.2				
Carnivora	Canidae	*Canis*	*latrans*	933	1626	Friesenhahn cave		Pleistocene	Pardi 2016	UlOL	Ulna	R					9.2				
Carnivora	Canidae	*Canis*	*latrans*	43133	1417	Bering Sinkhole	Kerr	Holocene	Present study	LP4	length of fourth lower premolar	L			1.07	0.48	9.2	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*latrans*	43202	80	Ranny Creek Cave		Holocene	Pardi 2016	UlOL	Ulna, proximal	R					9.3				
Carnivora	Canidae	*Canis*	*latrans*	MSB	10027			Modern	Pardi 2016	SKL	length of skull						9.4				
Carnivora	Canidae	*Canis*	*latrans*	43483	4	August Foster Site		Holocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	R					9.5				
Carnivora	Canidae	*Canis*	*latrans*	MSB	57638			Modern	Pardi 2016	LM1	length of first lower molar						9.5				
Carnivora	Canidae	*Canis*	*latrans*	M	2701	Unknown		Modern	Present study	LM1	length of first lower molar	L			1.85		9.6	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016
Carnivora	Canidae	*Canis*	*latrans*	MSB	46375			Modern	Pardi 2016	SKL	length of skull						9.6				
Carnivora	Canidae	*Canis*	*latrans*	MSB	1225			Modern	Pardi 2016	LM1	length of first lower molar						9.7				
Carnivora	Canidae	*Canis*	*latrans*	MSB	1219			Modern	Pardi 2016	LM1	length of first lower molar						9.7				
Carnivora	Canidae	*Canis*	*latrans*	MSB	16521			Modern	Pardi 2016	LM1	length of first lower molar						9.8				
Carnivora	Canidae	*Canis*	*latrans*	908	3453	Kincaid Shelter	Uvalde	Pleistocene	Present study	LP3	length of third lower premolar	L			1.09	0.42	9.8	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*latrans*	Schulze Cave	7297	Schulze Cave		Holocene	Pardi 2016	UP4	length of fourth upper premolar						9.8				
Carnivora	Canidae	*Canis*	*latrans*	MSB	160121			Modern	Pardi 2016	LM1	length of first lower molar						9.9				
Carnivora	Canidae	*Canis*	*latrans*	1295	1	Clamp Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R					9.9				
Carnivora	Canidae	*Canis*	*latrans*	933	3912	Friesenhahn cave	Bexar	Pleistocene	Present study	LP3	length of third lower premolar	L			1.10	0.44	10.1	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study
Carnivora	Canidae	*Canis*	*latrans*	MSB	214896			Modern	Pardi 2016	LM1	length of first lower molar						10.2				
Carnivora	Canidae	*Canis*	*latrans*	933	3398	Friesenhahn cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	L					10.2				
Carnivora	Canidae	*Canis*	*latrans*	933	1622	Friesenhahn cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	L					10.3				
Carnivora	Canidae	*Canis*	*latrans*	908	2113	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	L					10.4				
Carnivora	Canidae	*Canis*	*latrans*	MSB	6579			Modern	Pardi 2016	LM1	length of first lower molar						10.4				
Carnivora	Canidae	*Canis*	*latrans*	MSB	140709			Modern	Pardi 2016	LM1	length of first lower molar						10.4				
Carnivora	Canidae	*Canis*	*latrans*	43133	1413	Bering Sinkhole		Holocene	Pardi 2016	LM1	length of first lower molar	L					10.4				
Carnivora	Canidae	*Canis*	*latrans*	MSB	10843			Modern	Pardi 2016	LM1	length of first lower molar						10.5				
Carnivora	Canidae	*Canis*	*latrans*	MSB	16411			Modern	Pardi 2016	LM1	length of first lower molar						10.5				
Carnivora	Canidae	*Canis*	*latrans*	MSB	142839			Modern	Pardi 2016	LM1	length of first lower molar						10.6				
Carnivora	Canidae	*Canis*	*latrans*	933	831	Friesenhahn cave		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	R					10.6				

Carnivora	Canidae	*Canis*	*latrans*	933	450	Friesenhahn cave		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar	L				10.6					
Carnivora	Canidae	*Canis*	*latrans*	MSB	41460			Modern	Pardi 2016	LM1	length of first lower molar					10.7					
Carnivora	Canidae	*Canis*	*latrans*	933	5697	Friesenhahn cave		Pleistocene	Pardi 2016	TiL	length of tibia	R				10.7					
Carnivora	Canidae	*Canis*	*latrans*	Schulze Cave	7305	Schulze Cave		Holocene	Pardi 2016	TiL	length of tibia					10.7					
Carnivora	Canidae	*Canis*	*latrans*	933	2453	Friesenhahn cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R				10.9					
Carnivora	Canidae	*Canis*	*latrans*	933	1569	Friesenhahn cave		Pleistocene	Pardi 2016	HuMAPD	midshaft anteroposterior diameter of humerus	R				10.9					
Carnivora	Canidae	*Canis*	*latrans*	MSB	27523			Modern	Pardi 2016	LM1	length of first lower molar					11.0					
Carnivora	Canidae	*Canis*	*latrans*	MSB	1228			Modern	Pardi 2016	LM1	length of first lower molar					11.1					
Carnivora	Canidae	*Canis*	*latrans*	MSB	143827			Modern	Pardi 2016	LM1	length of first lower molar					11.1					
Carnivora	Canidae	*Canis*	*latrans*	40685	848	Zesch Cave		Pleistocene	Pardi 2016	FeHD	proximal end; diameter of femoral head	R				11.1					
Carnivora	Canidae	*Canis*	*latrans*	MSB	46374			Modern	Pardi 2016	LM1	length of first lower molar					11.1					
Carnivora	Canidae	*Canis*	*latrans*	MSB	16412			Modern	Pardi 2016	LM1	length of first lower molar					11.2					
Carnivora	Canidae	*Canis*	*latrans*	MSB	16452			Modern	Pardi 2016	LM1	length of first lower molar					11.3					
Carnivora	Canidae	*Canis*	*latrans*	933	1625	Friesenhahn cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R				11.3					
Carnivora	Canidae	*Canis*	*latrans*	MSB	143823			Modern	Pardi 2016	LM1	length of first lower molar					11.3					
Carnivora	Canidae	*Canis*	*latrans*	908	2147	Kincaid Shelter	Uvalde	Holocene	Present study	RaB	distal end of radius	L		2.06	1.45	11.4	Ln (Body mass, kg) = 2.63*Ln(RaB, mm)+-5.528	0.79	18.1	Losey et al. 2017	
Carnivora	Canidae	*Canis*	*latrans*	40685	382	Zesch Cave		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar					11.4					
Carnivora	Canidae	*Canis*	*latrans*	220	36	Jess Cox Ranch		Holocene	Pardi 2016	LM1	length of first lower molar	R				11.5					
Carnivora	Canidae	*Canis*	*latrans*	1295	3	Clamp Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R				11.5					
Carnivora	Canidae	*Canis*	*latrans*	43133	1415	Bering Sinkhole	Kerr	Holocene	Present study	LM2	length of second lower molar	R		0.93	0.64	11.6	Log(Body mass, g) = 3.747*Log(LM2, mm) + 0.43	0.89		Present Study	
Carnivora	Canidae	*Canis*	*latrans*	908	394	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	L				11.7					
Carnivora	Canidae	*Canis*	*latrans*	MSB	160109			Modern	Pardi 2016	SKL	length of skull					11.7					
Carnivora	Canidae	*Canis*	*latrans*	MSB	42349			Modern	Pardi 2016	LM1	length of first lower molar					11.7					
Carnivora	Canidae	*Canis*	*latrans*	40685	775	Zesch Cave		Pleistocene	Pardi 2016	HuMAPD	midshaft anteroposterior diameter of humerus	L				11.7					
Carnivora	Canidae	*Canis*	*latrans*	MSB	6577			Modern	Pardi 2016	LM1	length of first lower molar					11.8					
Carnivora	Canidae	*Canis*	*latrans*	MSB	145825			Modern	Pardi 2016	LM1	length of first lower molar					11.9					
Carnivora	Canidae	*Canis*	*latrans*	43133	1422	Bering Sinkhole		Holocene	Pardi 2016	UP4	length of fourth upper premolar	L				11.9					
Carnivora	Canidae	*Canis*	*latrans*	933	1632	Friesenhahn cave		Pleistocene	Pardi 2016	RaL	length of radius	L				11.9					
Carnivora	Canidae	*Canis*	*latrans*	MSB	46325			Modern	Pardi 2016	LM1	length of first lower molar					12.0					
Carnivora	Canidae	*Canis*	*latrans*	933	1631	Friesenhahn cave		Pleistocene	Pardi 2016	RaL	length of radius	R				12.0					
Carnivora	Canidae	*Canis*	*latrans*	30967	1067	Ingleside	San Patricio	Pleistocene	Present study	FeMAPD	midshaft anteroposterior diameter of femur	L	1.16			12.0	Log(Body mass, g) = 2.68*Log(FeAPD, mm) + 1.23	0.99	8.3	Pardi 2016	
Carnivora	Canidae	*Canis*	*latrans*	MSB	231470			Modern	Pardi 2016	LM1	length of first lower molar					12.0					
Carnivora	Canidae	*Canis*	*latrans*	MSB	160103			Modern	Pardi 2016	LM1	length of first lower molar					12.1					
Carnivora	Canidae	*Canis*	*latrans*	M	10092	12 mi S of Austin on		Modern	Present study	LM1	length of first lower molar	L		2.01		12.3	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Canis*	*latrans*	MSB	230715			Modern	Pardi 2016	LM1	length of first lower molar					12.3					
Carnivora	Canidae	*Canis*	*latrans*	MSB	143826			Modern	Pardi 2016	LM1	length of first lower molar					12.3					
Carnivora	Canidae	*Canis*	*latrans*	31137	2	Old Glory Salt Fork of	Stonewall	Pleistocene	Lundelius	TiL	length of tibia	R		17.80		12.3	Log(Body mass,g) = 3.76*Log(TiL, mm) + -4.37	0.98	11.0	Pardi 2016	
Carnivora	Canidae	*Canis*	*latrans*	933	1627	Friesenhahn cave		Pleistocene	Pardi 2016	UlL	length of ulna	L				12.4					
Carnivora	Canidae	*Canis*	*latrans*	MSB	16826			Modern	Pardi 2016	LM1	length of first lower molar					12.5					
Carnivora	Canidae	*Canis*	*latrans*	43133	1414	Bering Sinkhole	Kerr	Holocene	Present study	LP4	length of fourth lower premolar	R		1.17	0.61	12.6	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study	
Carnivora	Canidae	*Canis*	*latrans*	MSB	25897			Modern	Pardi 2016	LM1	length of first lower molar					12.6					
Carnivora	Canidae	*Canis*	*latrans*	MSB	260			Modern	Pardi 2016	LM1	length of first lower molar					12.6					
Carnivora	Canidae	*Canis*	*latrans*	MSB	38001			Modern	Pardi 2016	LM1	length of first lower molar					12.7					
Carnivora	Canidae	*Canis*	*latrans*	Schulze Cave	7303	Schulze Cave		Holocene	Pardi 2016	FeAPDd	distal end; anterior-posterior diameter of femur	L				12.7					
Carnivora	Canidae	*Canis*	*latrans*	MSB	230633			Modern	Pardi 2016	LM1	length of first lower molar					12.7					
Carnivora	Canidae	*Canis*	*latrans*	MSB	320			Modern	Pardi 2016	LM1	length of first lower molar					12.9					
Carnivora	Canidae	*Canis*	*latrans*	40685	379	Zesch Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar					12.9					
Carnivora	Canidae	*Canis*	*latrans*	MSB	198472			Modern	Pardi 2016	LM1	length of first lower molar					12.9					
Carnivora	Canidae	*Canis*	*latrans*	MSB	231176			Modern	Pardi 2016	LM1	length of first lower molar					12.9					
Carnivora	Canidae	*Canis*	*latrans*	MSB	92554			Modern	Pardi 2016	LM1	length of first lower molar					13.0					
Carnivora	Canidae	*Canis*	*latrans*	43202	43	Ranny Creek Cave		Holocene	Pardi 2016	LM1	length of first lower molar	L				13.0					
Carnivora	Canidae	*Canis*	*latrans*	43133	1426	Bering Sinkhole		Holocene	Pardi 2016	UP4	length of fourth upper premolar	L				13.2					
Carnivora	Canidae	*Canis*	*latrans*	MSB	140998			Modern	Pardi 2016	LM1	length of first lower molar					13.2					
Carnivora	Canidae	*Canis*	*latrans*	933	3909	Friesenhahn cave	Bexar	Pleistocene	Present study	LM2	length of second lower molar	R		0.97	0.74	13.3	Log(Body mass, g) = 3.747*Log(LM2, mm) + 0.43	0.89		Present Study	
Carnivora	Canidae	*Canis*	*latrans*	43133	1411	Bering Sinkhole		Holocene	Pardi 2016	UP4	length of fourth upper premolar	L				13.3					
Carnivora	Canidae	*Canis*	*latrans*	MSB	11391			Modern	Pardi 2016	UlL	length of ulna					13.4					
Carnivora	Canidae	*Canis*	*latrans*	MSB	74054			Modern	Pardi 2016	LM1	length of first lower molar					13.4					
Carnivora	Canidae	*Canis*	*latrans*	908	2146	Kincaid Shelter		Pleistocene	Pardi 2016	CaL	length of calcaneum	L				13.6					
Carnivora	Canidae	*Canis*	*latrans*	MSB	123745			Modern	Pardi 2016	LM1	length of first lower molar					13.7					
Carnivora	Canidae	*Canis*	*latrans*	43481	4	W. Culp Site		Holocene	Pardi 2016	LM1	length of first lower molar	L				13.7					
Carnivora	Canidae	*Canis*	*latrans*	933	2454	Friesenhahn cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	L				13.8					
Carnivora	Canidae	*Canis*	*latrans*	MSB	92553			Modern	Pardi 2016	LM1	length of first lower molar					13.8					
Carnivora	Canidae	*Canis*	*latrans*	933	377	Friesenhahn cave		Pleistocene	Pardi 2016	TiL	length of tibia	R				13.9					
Carnivora	Canidae	*Canis*	*latrans*	MSB	27529			Modern	Pardi 2016	LM1	length of first lower molar					14.0					
Carnivora	Canidae	*Canis*	*latrans*	40450	1603	Cave without a Name	Kendall	Pleistocene	Present study	LM1	length of first lower molar	L		2.10	0.81	14.0	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Canis*	*latrans*	M	441	Unknown		Modern	Present study	LM1	length of first lower molar	L		2.11		14.1	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Canis*	*latrans*	908	341	Kincaid Shelter		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar	R				14.2					
Carnivora	Canidae	*Canis*	*latrans*	MSB	143830			Modern	Pardi 2016	LM1	length of first lower molar					14.2					
Carnivora	Canidae	*Canis*	*latrans*	MSB	160105			Modern	Pardi 2016	SKL	length of skull					14.4					
Carnivora	Canidae	*Canis*	*latrans*	M	823	Unknown		Modern	Present study	LM1	length of first lower molar	L		2.12		14.4	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Canis*	*latrans*	MSB	85639			Modern	Pardi 2016	SKL	length of skull					14.5					
Carnivora	Canidae	*Canis*	*latrans*	933	670	Friesenhahn cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	L				14.6					
Carnivora	Canidae	*Canis*	*latrans*	41343	178	Laubach 3		Pleistocene	Pardi 2016	UlOL	Ulna, proximal					14.7					
Carnivora	Canidae	*Canis*	*latrans*	908	2145	Kincaid Shelter		Pleistocene	Pardi 2016	AsL	length of astragalus	L				14.8					
Carnivora	Canidae	*Canis*	*latrans*	43133	1412	Bering Sinkhole	Kerr	Holocene	Present study	LP4	length of fourth lower premolar	L		1.23	0.58	15.0	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study	
Carnivora	Canidae	*Canis*	*latrans*	40685	383	Zesch Cave		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar					15.0					
Carnivora	Canidae	*Canis*	*latrans*	40449	68	Levi Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	R				15.2					
Carnivora	Canidae	*Canis*	*latrans*	MSB	143828			Modern	Pardi 2016	LM1	length of first lower molar					15.5					
Carnivora	Canidae	*Canis*	*latrans*	MSB	23005			Modern	Pardi 2016	SKL	length of skull					16.2					
Carnivora	Canidae	*Canis*	*latrans*	40615	17	Oblate Site	Comal	Pleistocene	Present study	LM1	length of first lower molar	L		2.23	0.82	16.6	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Canis*	*latrans*	MSB	101888			Modern	Pardi 2016	SKL	length of skull					16.7					
Carnivora	Canidae	*Canis*	*latrans*	40685	381	Zesch Cave		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar	R				16.9					
Carnivora	Canidae	*Canis*	*latrans*	43067	13	The Avenue (Avenue Local	Travis	Pleistocene	Lundelius 1992	LM2	length of second lower molar	R		1.07	7.50	19.4	Log(Body mass, g) = 3.747*Log(LM2, mm) + 0.43	0.89		Present Study	
Carnivora	Canidae	*Canis*	*latrans*	M	3977	Red Rock		Modern	Present study	UM1	length of first upper molar	L		1.29		19.7	Log(Body mass, g) = 2.54*(Log (UM1, mm) + 1.47	0.88	na	Canids, Present study	
Carnivora	Canidae	*Canis*	*latrans*	937	896	Blackwater Locality	ssear Portal, NM	Pleistocene	Lundelius 1972b	LM1	length of first lower molar	R		2.37	0.82	19.9	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	

Carnivora	Canidae	*Canis*	*latrans*	MSB	195888			Modern	Pardi 2016	FeMAPD	midshaft anteroposterior diameter of femur					22.3						
Carnivora	Canidae	*Canis*	*latrans*	908	382	Kincaid Shelter	Uvalde	Holocene	Present study	Mt	distal end of metatarsal	R		1.04	1.14							
Carnivora	Canidae	*Canis*	*latrans*	908	2220	Kincaid Shelter	Uvalde	Holocene	Present study	Mt	distal end of metatarsal	R		1.06	1.04							
Carnivora	Canidae	*Canis*	*latrans*	43133	1434	Bering Sinkhole	Kerr	Holocene	Present study	UP3	third upper premolar	R		1.20	0.40							
Carnivora	Canidae	*Canis*	*latrans*	43133	1438	Bering Sinkhole	Kerr	Holocene	Present study	UP3	third upper premolar	L		1.05	0.49							
Carnivora	Canidae	*Canis*	*latrans*	933	3671	Friesenhahn cave	Bexar	Pleistocene	Present study	UP3	third upper premolar	L		1.19	0.42							
Carnivora	Canidae	*Canis*	*latrans*	933	4321	Friesenhahn cave	Bexar	Pleistocene	Present study	UP3	third upper premolar	L		1.28	0.48							
Carnivora	Canidae	*Canis*	*latrans*	40449	184	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx			0.60	0.52		N/A					
Carnivora	Canidae	*Canis*	*latrans*	40449	346	Levi Shelter	Travis	Pleistocene	Present study	Mt	distal end of metatarsal			0.73	0.73							
Carnivora	Canidae	*Canis*	*latrans*	40449	349	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx			0.62	0.55		N/A					
Carnivora	Canidae	*Canis*	*latrans*	40449	349	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx			0.60	0.45		N/A					
Carnivora	Canidae	*Canis*	*latrans*	40449	349	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx			0.59	0.46		N/A					
Carnivora	Canidae	*Canis*	*latrans*	40449	349	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx			0.54	0.47		N/A					
Carnivora	Canidae	*Canis*	*latrans*	40449	47A	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx			0.65	0.52		N/A					
Carnivora	Canidae	*Canis*	*latrans*	40449	47B	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx			0.60	0.49		N/A					
Carnivora	Canidae	*Canis*	*latrans*	40449	47C	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx			0.59	0.48		N/A					
Carnivora	Canidae	*Canis*	*latrans*	40449	47D	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx			0.63	0.52		N/A					
Carnivora	Canidae	*Canis*	*latrans*	40449	47E	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx			0.63	0.51		N/A					
Carnivora	Canidae	*Canis*	*latrans*	40449	47F	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx			0.56	0.43		N/A					
Carnivora	Canidae	*Canis*	*lupus*	MSB	160145			Modern	Pardi 2016	LM1	length of first lower molar					17.0						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160148			Modern	Pardi 2016	LM1	length of first lower molar					17.5						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160142			Modern	Pardi 2016	LM1	length of first lower molar					17.6						
Carnivora	Canidae	*Canis*	*lupus*	892	TTU-A 12-658	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	TiL	length and width of tibia	R		19.90	3.60	18.8	Log(Body mass,g) = 3.76*Log(TiL, mm) + -4.37	0.98	11.0	Pardi 2016		
Carnivora	Canidae	*Canis*	*lupus*	MSB	142766			Modern	Pardi 2016	LM1	length of first lower molar					19.1						
Carnivora	Canidae	*Canis*	*lupus*	MSB	142639			Modern	Pardi 2016	LM1	length of first lower molar					19.2						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160150			Modern	Pardi 2016	LM1	length of first lower molar					19.3						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160140			Modern	Pardi 2016	LM1	length of first lower molar					20.4						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160141			Modern	Pardi 2016	LM1	length of first lower molar					20.6						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160146			Modern	Pardi 2016	LM1	length of first lower molar					20.6						
Carnivora	Canidae	*Canis*	*lupus*	MSB	101288			Modern	Pardi 2016	LM1	length of first lower molar					20.7						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160147			Modern	Pardi 2016	LM1	length of first lower molar					20.7						
Carnivora	Canidae	*Canis*	*lupus*	MSB	66571			Modern	Pardi 2016	LM1	length of first lower molar					20.8						
Carnivora	Canidae	*Canis*	*lupus*	43133	236	Bering Sinkhole		Holocene	Pardi 2016	LM1	length of first lower molar	L				21.4						
Carnivora	Canidae	*Canis*	*lupus*	MSB	195099			Modern	Pardi 2016	LM1	length of first lower molar					21.5						
Carnivora	Canidae	*Canis*	*lupus*	MSB	195161			Modern	Pardi 2016	FeMAPD	midshaft anteroposterior diameter of femur					21.6						
Carnivora	Canidae	*Canis*	*lupus*	43133	235	Bering Sinkhole		Holocene	Pardi 2016	LM1	length of first lower molar	L				21.7						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160133			Modern	Pardi 2016	LM1	length of first lower molar					21.8						
Carnivora	Canidae	*Canis*	*lupus*	40685	385	Zesch Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R				21.9						
Carnivora	Canidae	*Canis*	*lupus*	MSB	196208			Modern	Pardi 2016	LM1	length of first lower molar					22.2						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160135			Modern	Pardi 2016	LM1	length of first lower molar					22.3						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160132			Modern	Pardi 2016	LM1	length of first lower molar					22.5						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160136			Modern	Pardi 2016	LM1	length of first lower molar					22.6						
Carnivora	Canidae	*Canis*	*lupus*	MSB	92743			Modern	Pardi 2016	LM1	length of first lower molar					22.7						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160138			Modern	Pardi 2016	LM1	length of first lower molar					22.8						
Carnivora	Canidae	*Canis*	*lupus*	M	7321	AJ Trammell Farm		Modern	Present study	UM1	length of first upper molar	R		1.37		22.9	Log(Body mass, g) = 2.54*(Log (UM1, mm) + 1.47	0.88	na	Canids, Present study		
Carnivora	Canidae	*Canis*	*lupus*	MSB	160134			Modern	Pardi 2016	LM1	length of first lower molar					23.3						
Carnivora	Canidae	*Canis*	*lupus*	MSB	142765			Modern	Pardi 2016	LM1	length of first lower molar					23.4						
Carnivora	Canidae	*Canis*	*lupus*	892	TTU-A-8600	Lubbock Lake	Lubbock	Pleistocene	Johnson 1976	TiL	length and width of tibia	L		21.30	3.80	24.2	Log(Body mass,g) = 3.76*Log(TiL, mm) + -4.37	0.98	11.0	Pardi 2016		
Carnivora	Canidae	*Canis*	*lupus*	43133	232	Bering Sinkhole		Holocene	Pardi 2016	SKL	length of skull					25.1						
Carnivora	Canidae	*Canis*	*lupus*	41352	1	San Antonio	Bexar	Pleistocene	Present study	LM1	length of first lower molar	R		2.58	1.13	25.3	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016		
Carnivora	Canidae	*Canis*	*lupus*	43133	234	Bering Sinkhole		Holocene	Pardi 2016	LM1	length of first lower molar	L				25.7						
Carnivora	Canidae	*Canis*	*lupus*	MSB	160137			Modern	Pardi 2016	LM1	length of first lower molar					25.8						
Carnivora	Canidae	*Canis*	*lupus*	41229	12042	Hall's Cave		Holocene	Pardi 2016	LM1	length of first lower molar	R				26.2						
Carnivora	Canidae	*Canis*	*lupus*	MSB	195271			Modern	Pardi 2016	FeMAPD	midshaft anteroposterior diameter of femur					27.2						
Carnivora	Canidae	*Canis*	*lupus*	MSB	23007			Modern	Pardi 2016	LM1	length of first lower molar					28.5						
Carnivora	Canidae	*Canis*	*lupus*	892	255	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar	L		2.72	1.10	29.8	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016		
Carnivora	Canidae	*Canis*	*lupus*	MSB	61156			Modern	Pardi 2016	FeMAPD	midshaft anteroposterior diameter of femur					30.4						
Carnivora	Canidae	*Canis*	*lupus*	937	885	Blackwater Locality	1ear Portal, NM	Pleistocene	Lundelius 1972b	LM1	length of first lower molar	L		2.79	1.09	32.0	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016		
Carnivora	Canidae	*Canis*	*lupus*	738	1	South Texas		Pleistocene	Present study	LM1	length of first lower molar	R		2.83	1.19	33.4	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016		
Carnivora	Canidae	*Canis*	*lupus*	725	182	Plainview Quarry	Hale	Pleistocene	Present study	M1	length of first molar			2.86	1.18	34.4	Log(Body mass, g) = 2.93*Log(LM, mm)) + 0.27	0.96	12.4	Pardi 2016		
Carnivora	Canidae	*Canis*	*lupus*	43133	233	Bering Sinkhole		Holocene	Pardi 2016	LM1	length of first lower molar	R				36.5						
Carnivora	Canidae	*Canis*	*lupus*	40685	386	Zesch Cave		Pleistocene	Pardi 2016	HuMAPD	midshaft anteroposterior diameter of humerus	R				43.4						
Carnivora	Canidae	*Canis*	*lupus (cf)*	1295	100	Clamp Cave		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	R				18.8						
Carnivora	Canidae	*Canis*	*lupus (cf)*	40541	212	Starveout Cave	Carson	Holocene	Present study	TiHD	proximal end; diameter of tibia	L		3.49	3.68	20.4	Log(Body mass in g) = (2.54)*Log(Tibial tuberosity length in mm(TiSL)) + (0.39)	0.96	16.5	Pardi 2016		
Carnivora	Canidae	*Canis*	*lupus (cf)*	41229	none	Hall's Cave	Kerr	Pleistocene	Present study	LM1	length of first lower molar	R		2.47		22.4	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016		
Carnivora	Canidae	*Canis*	*lupus (cf)*	1295	101	Clamp Cave		Pleistocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur	R				22.9						
Carnivora	**Canidae**	***Canis***	*lupus (cf)*	**933**	**3915**	**Friesenhahn cave**	**Bexar**	Pleistocene	**Present study**	**UM1**	**length of first upper molar**	**R**		**1.52**	**1.07**	**29.9**	**Log(Body mass, g) = 2.54*(Log (UM1, mm) +1.47**	**0.88**	**na**	**Canids, Present study**		
Carnivora	Canidae	*Canis*	*lupus (cf)*	43133	1420	Bering Sinkhole	Kerr	Holocene	Present study	UM1	length of first upper molar	L		1.59	1.22	33.6	Log(Body mass, g) = 2.54*(Log (UM1, mm) +1.47	0.88	na	Canids, Present study		
Carnivora	Canidae	*Canis*	*lupus (cf)*	43133	1418	Bering Sinkhole	Kerr	Holocene	Present study	UM1	length of first upper molar	L		1.60	1.23	33.8	Log(Body mass, g) = 2.54*(Log (UM1, mm) +1.47	0.88	na	Canids, Present study		
Carnivora	Canidae	*Canis*	*lupus (cf)*	43133	1439	Bering Sinkhole	Kerr	Holocene	Present study	UM1	length of first upper molar	R		1.63	1.21	35.6	Log(Body mass, g) = 2.54*(Log (UM1, mm) +1.47	0.88	na	Canids, Present study		
Carnivora	**Canidae**	***Canis***	*lupus (cf)*	**933**	**2450**	**Friesenhahn cave**	**Bexar**	Pleistocene	**Present study**	**UM1**	**length of first upper molar**	**L**		**1.69**	**1.31**	**38.8**	**Log(Body mass, g) = 2.54*(Log (UM1, mm) +1.47**	**0.88**	**na**	**Canids, Present study**		
Carnivora	**Canidae**	***Canis***	*lupus (cf)*	**41229**	**none**	**Hall's Cave**	**Kerr**	Pleistocene	**Present study**	**HuMAPD**	**midshaft anteroposterior diameter of humerus**	**R**	**2.30**			**42.9**	**Log(Body mass, g) = 2.49*Log(HuAPD, mm) + 1.24**	**0.98**	**9.0**	**Pardi 2016**		
Carnivora	Canidae	*Canis*	*lupus (rufus)*	MSB	23006			Modern	Pardi 2016	LM1	length of first lower molar					15.5						
Carnivora	Canidae	*Canis*	*sp.*	220	53	Jess Cox Ranch		Holocene	Pardi 2016	UlL	length of ulna	L				5.8						
Carnivora	Canidae	*Canis*	*sp.*	220	49	Jess Cox Ranch		Holocene	Pardi 2016	HuMAPD	midshaft anteroposterior diameter of humerus	L				6.1						
Carnivora	Canidae	*Canis*	*sp.*	220	27	Jess Cox Ranch		Holocene	Pardi 2016	FeAPDd	distal end; anterior-posterior diameter of femur	L				6.2						
Carnivora	Canidae	*Canis*	*sp.*	908	3291	Kincaid Shelter		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	L				7.2						
Carnivora	Canidae	*Canis*	*sp.*	40541	232	Starveout Cave	Carson	Holocene	Present study	Mt	distal end of metatarsal	R		0.65	0.78							
Carnivora	Canidae	*Canis*	*sp.*	40541	233	Starveout Cave	Carson	Holocene	Present study	Mt	distal end of metatarsal	L		0.94	1.09							
Carnivora	Canidae	*Canis*	*sp.*	40541	234	Starveout Cave	Carson	Holocene	Present study	Mt	proximal end of metatarsal	R		1.14	0.64							
Carnivora	Canidae	*indet.*		41229	none	Hall's Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R				0.8						
Carnivora	Canidae	*indet.*		41229	none	Hall's Cave		Holocene	Pardi 2016	LM1	length of first lower molar					0.6						
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	908	3786	Kincaid Shelter		Pleistocene	Pardi 2016	LM1	length of first lower molar	L				1.8						
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160202			Modern	Pardi 2016	LM1	length of first lower molar					1.8						

Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	24546			Modern	Pardi 2016	LM1	length of first lower molar				2.0					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	40685	827	Zesch Cave		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar				2.0					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	41343	1	Laubach 3		Pleistocene	Pardi 2016	UlOL	Ulna, proximal				2.4					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160203			Modern	Pardi 2016	SKL	length of skull				2.4					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160195			Modern	Pardi 2016	SKL	length of skull				2.4					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160204			Modern	Pardi 2016	SKL	length of skull				2.5					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	85760			Modern	Pardi 2016	SKL	length of skull				2.5					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160205			Modern	Pardi 2016	SKL	length of skull				2.5					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160194			Modern	Pardi 2016	SKL	length of skull				2.5					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160199			Modern	Pardi 2016	SKL	length of skull				2.6					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160201			Modern	Pardi 2016	SKL	length of skull				2.6					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	892	291	Lubbock Lake	Lubbock	Pleistocene	Present study	LM1	length of first lower molar		1.19	0.47	2.6	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160206			Modern	Pardi 2016	SKL	length of skull				2.7					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	933	3667	Friesenhahn cave	Bexar	Pleistocene	Present study	LP3 or LP4	lower second or third premolar	R	0.74	0.36	2.7	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study	
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160193			Modern	Pardi 2016	SKL	length of skull				2.7					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160196			Modern	Pardi 2016	SKL	length of skull				2.8					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160197			Modern	Pardi 2016	SKL	length of skull				2.8					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	40685	1095	Zesch Cave		Pleistocene	Pardi 2016	UlOL	Ulna, distal				3.0					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	933	1804	Friesenhahn cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	L			3.1					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	MSB	160198			Modern	Pardi 2016	SKL	length of skull				3.2					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	933	2166	Friesenhahn cave		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus	R			4.4					
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	40685	1048	Zesch Cave		Pleistocene	Pardi 2016	TiSL	Tibia, proximal				5.2					
Carnivora	Canidae	*Urocyon/Vulpes*	*sp.*	40685	1112	Zesch Cave		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar				2.1					
Carnivora	Canidae	*Urocyon/Vulpes*	*sp.*	40685	1083	Zesch Cave		Pleistocene	Pardi 2016	UP4	length of fourth upper premolar				2.4					
Carnivora	Canidae	*Urocyon/Vulpes*	*sp.*	41229	12071	Hall's Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R			2.9					
Carnivora	Canidae	*Urocyon/Vulpes*	*sp.*	40685	1036	Zesch Cave		Pleistocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur				3.8					
Carnivora	Canidae	*Urocyon/Vulpes*	*sp.*	40685	1035	Zesch Cave		Pleistocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur				3.9					
Carnivora	Canidae	*Urocyon/Vulpes (cf)*	*sp.*	220	22	Jess Cox Ranch		Holocene	Pardi 2016	HuHTL	Humerus, distal	R			3.3					
Carnivora	Canidae	*Urocyon/Vulpes (cf)*	*sp.*	40541	245	Starveout Cave	Carson	Holocene	Present study	UP4	length of fourth upper premolar	R	1.28	0.45	4.6	Log(Body mass, g) = 2.97*Log(UP4, mm) + 0.37	0.97	15.5	Pardi 2016	
Carnivora	Canidae	*Urocyon/Vulpes (cf)*		41229	none	Hall's Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R	1.0		2.7					
Carnivora	Canidae	*Vulpes*	*macrotis*	41172	326	Pratt Cave	Culbertson	Holocene	Present study	M1	length of first molar		0.91	0.74	1.2	Log(Body mass, g) = 2.93*Log(LM, mm)) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	64390			Modern	Pardi 2016	LM1	length of first lower molar				1.6					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	101289			Modern	Pardi 2016	LM1	length of first lower molar				1.9					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	64392			Modern	Pardi 2016	SKL	length of skull				1.9					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	92716			Modern	Pardi 2016	LM1	length of first lower molar				1.9					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	64391			Modern	Pardi 2016	SKL	length of skull				2.1					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	92664			Modern	Pardi 2016	LM1	length of first lower molar				2.1					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	16190			Modern	Pardi 2016	LM1	length of first lower molar				2.1					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	64393			Modern	Pardi 2016	LM1	length of first lower molar				2.2					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	102111			Modern	Pardi 2016	LM1	length of first lower molar				2.3					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	54442			Modern	Pardi 2016	LM1	length of first lower molar				2.3					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	89147			Modern	Pardi 2016	LM1	length of first lower molar				2.4					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	54443			Modern	Pardi 2016	LM1	length of first lower molar				2.4					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	20562			Modern	Pardi 2016	LM1	length of first lower molar				2.5					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	265446			Modern	Pardi 2016	LM1	length of first lower molar				2.6					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	54444			Modern	Pardi 2016	LM1	length of first lower molar				2.6					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	140117			Modern	Pardi 2016	LM1	length of first lower molar				2.7					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	142666			Modern	Pardi 2016	LM1	length of first lower molar				2.7					
Carnivora	Canidae	*Vulpes*	*macrotis*	MSB	140706			Modern	Pardi 2016	LM1	length of first lower molar				2.7					
Carnivora	Canidae	*Vulpes*	*sp.*	1295	8	Clamp Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R			2.1					
Carnivora	Canidae	*Vulpes*	*sp.*	40541	266	Starveout Cave	Carson	Holocene	Present study	TiHD	proximal end of tibia	L	1.43	0.88	2.1	Log(Body mass in g) = (2.54)*Log(Tibial tuberosity length in mm(TiSL)) + (0.39)	0.96	16.5	Pardi 2016	
Carnivora	Canidae	*Vulpes*	*sp.*	40541	309	Starveout Cave	Carson	Holocene	Present study	LP2	length of second lower premolar	R	0.71	0.30	2.4	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study	
Carnivora	Canidae	*Vulpes*	*sp.*	1295	2	Clamp Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R			2.4					
Carnivora	Canidae	*Vulpes*	*sp.*	1295	6	Clamp Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R			2.4					
Carnivora	Canidae	*Vulpes*	*sp.*	1295	9	Clamp Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	L			2.7					
Carnivora	Canidae	*Vulpes*	*sp.*	1295	50	Clamp Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	L			3.4					
Carnivora	Canidae	*Vulpes*	*sp.*	908	3578	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mt/Mc	distal end of metapodial		0.90	0.48						
Carnivora	Canidae	*Vulpes*	*sp.*	908	3619	Kincaid Shelter	Uvalde	Pleistocene	Present study	Mt/Mc	distal end of metapodial		0.85	0.48						
Carnivora	Canidae	*Vulpes*	*velox*	MSB	142656			Modern	Pardi 2016	LM1	length of first lower molar				1.7					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	142659			Modern	Pardi 2016	LM1	length of first lower molar				1.9					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	142692			Modern	Pardi 2016	TiL	length of tibia				1.9					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	142647			Modern	Pardi 2016	LM1	length of first lower molar				2.2					
Carnivora	Canidae	*Vulpes*	*velox*	40685	257	Zesch Cave		Pleistocene	Pardi 2016	UlOL	Ulna, proximal	L			2.3					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	145875			Modern	Pardi 2016	LM1	length of first lower molar				2.5					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	265774			Modern	Pardi 2016	LM1	length of first lower molar				2.5					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	3851			Modern	Pardi 2016	LM1	length of first lower molar				2.6					
Carnivora	Canidae	*Vulpes*	*velox*	40685	247	Zesch Cave		Pleistocene	Pardi 2016	FeB	distal end; breadth of epicondyles of femur	L			2.6					
Carnivora	Canidae	*Vulpes*	*velox*	Schulze Cave	7372	Schulze Cave		Holocene	Pardi 2016	UP4	length of fourth upper premolar				2.6					
Carnivora	Canidae	*Vulpes*	*velox*	Schulze Cave	7374	Schulze Cave		Holocene	Pardi 2016	LM1	length of first lower molar	L			2.6					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	232361			Modern	Pardi 2016	LM1	length of first lower molar				2.6					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	142657			Modern	Pardi 2016	LM1	length of first lower molar				2.7					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	142693			Modern	Pardi 2016	LM1	length of first lower molar				2.7					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	142698			Modern	Pardi 2016	LM1	length of first lower molar				2.8					
Carnivora	Canidae	*Vulpes*	*velox*	937	898	Blackwater Locality	near Portal, NM	Pleistocene	Lundelius 1972b	LP3	length of third lower premolar	L	0.75		2.9	Log(Body mass, g) = 3.3177*Log(LP3, mm) + 0.5544	0.85		Canids; Present Study	
Carnivora	Canidae	*Vulpes*	*velox*	MSB	145872			Modern	Pardi 2016	LM1	length of first lower molar				2.9					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	142653			Modern	Pardi 2016	LM1	length of first lower molar				3.0					
Carnivora	Canidae	*Vulpes*	*velox*	40685	828	Zesch Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	L			3.2					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	1238			Modern	Pardi 2016	LM1	length of first lower molar				3.2					
Carnivora	Canidae	*Vulpes*	*velox*	40685	249	Zesch Cave		Pleistocene	Pardi 2016	TiSL	Tibia, proximal				3.5					
Carnivora	Canidae	*Vulpes*	*velox*	MSB	232364			Modern	Pardi 2016	SKL	length of skull				4.4					
Carnivora	Canidae	*Vulpes*	*vulpes*	MSB	246686			Modern	Pardi 2016	LM1	length of first lower molar				2.6					
Carnivora	Canidae	*Vulpes*	*vulpes*	40685	830	Zesch Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	L			2.8					
Carnivora	Canidae	*Vulpes*	*vulpes*	40685	1038	Zesch Cave		Pleistocene	Pardi 2016	HuEB	distal end; breadth of epicondyles of humerus				3.9					
Carnivora	Canidae	*Vulpes*	*vulpes*	40685	184	Zesch Cave		Pleistocene	Pardi 2016	TiL	length of tibia	L			4.0					
Carnivora	Canidae	*Vulpes*	*vulpes*	MSB	8683			Modern	Pardi 2016	SKL	length of skull				4.2					

Carnivora	Canidae	*Vulpes*	*vulpes*	Schulze Cave	7371	Schulze Cave		Holocene	Pardi 2016	FeAPDd	distal end; anterior-posterior diameter of femur	L				5.3					
Carnivora	Canidae	*Vulpes*	*vulpes (ct)*	40605	23A	Green Estates	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R		1.10	0.37	2.1	Log(Body mass, g) = 2.93*Log(LM1, mm) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Vulpes*	*vulpes (ct)*	40605	23B	Green Estates	San Patricio	Pleistocene	Present study	M1	length of first molar			1.38	0.55	4.1	Log(Body mass, g) = 2.93*Log(LM, mm)) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Vulpes*	*vulpes (ct)*	40605	23C	Green Estates	San Patricio	Pleistocene	Present study	M1	length of first molar			1.40	0.52	4.2	Log(Body mass, g) = 2.93*Log(LM, mm)) + 0.27	0.96	12.4	Pardi 2016	
Carnivora	Canidae	*Vulpes*	*vulpes (ct)*	908	3622	Kincaid Shelter		Pleistocene	Pardi 2016	UlOL	Ulna, distal					5.4					
Carnivora	Canidae	*Vulpes (ct)*	*sp.*	41229	3549	Hall's Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	L				0.6					
Carnivora	Canidae	*Vulpes (ct)*		41229	none	Hall's Cave		Pleistocene	Pardi 2016	LM1	length of first lower molar	R				1.6					
Carnivora	Felidae	*Homotherium*	*serum*	933	3582	Friesenhahn cave	Bexar	Pleistocene	Present study	SKL	length of skull	R		13.70		18.8	Log(Body mass, g) = 3.142*(Log (SKL, mm) -2.440	0.86	na	Felids, Present study	
Carnivora	Felidae	*Homotherium*	*serum*	933	3444	Friesenhahn cave	Bexar	Pleistocene	Present study	SKL	length of skull			14.20		21.0	Log(Body mass, g) = 3.142*(Log (SKL, mm) -2.440	0.86	na	Present study	
Carnivora	Felidae	*Homotherium*	*serum*	933	3423	Friesenhahn cave	Bexar	Pleistocene	Present study	LP4	length of fourth lower premolar	R		1.84	0.83	55.7	Log(Body mass, g) = 3.01*Log (LP4, mm) +0.936	0.94	na	Felids; Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	1460	Friesenhahn cave	Bexar	Pleistocene	Present study	LP4	length of fourth lower premolar	R		1.85	0.85	56.6	Log(Body mass, g) = 3.01*Log (LP4, mm) +0.936	0.94	na	Felids; Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	3918	Friesenhahn cave	Bexar	Pleistocene	Present study	LP4	length of fourth lower premolar	R		1.90	0.82	60.9	Log(Body mass, g) = 3.01*Log (LP4, mm) +0.936	0.94	na	Felids; Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	608	Friesenhahn cave	Bexar	Pleistocene	Present study	LP4	length of fourth lower premolar	L		1.92	0.91	63.2	Log(Body mass, g) = 3.01*Log (LP4, mm) +0.936	0.94	na	Felids; Present Study	
Carnivora	**Felidae**	***Homotherium***	***serum***	**933**	**150**	**Friesenhahn cave**	**Bexar**	Pleistocene	**Present study**	**HuEB**	**distal end; breadth of epicondyles of humerus**	**R**		**6.92**	**4.67**	**93.7**	**Log(Body mass, g) = 2.58*Log(HuEB, mm) +-0.214**	**0.94**	**na**	**Present Study**	
Carnivora	Felidae	*Homotherium*	*serum*	933	3392	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L		7.31	4.65	108.0	Log(Body mass, g) = 2.58*Log(HuEB, mm) +-0.214	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	73	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L		7.44	5.21	113.2	Log(Body mass, g) = 2.58*Log(HuEB, mm) +-0.214	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	545	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	R		7.55	4.89	117.7	Log(Body mass, g) = 2.58*Log(HuEB, mm) +-0.214	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	2658	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	R		6.69	6.78	120.5	Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	2746	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	L		6.70	6.48	120.9	Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	2689	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	L		6.74	5.65	122.9	Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	2140	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	L		6.75	6.50	123.5	Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	2292	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L		7.72	4.85	124.5	Log(Body mass, g) = 2.58*Log(HuEB, mm) +-0.214	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	3931	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	L		6.79	6.13	125.6	Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	2661	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L		7.75	5.01	125.6	Log(Body mass, g) = 2.58*Log(HuEB, mm) +-0.214	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	582	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	L		6.84	6.64	128.1	Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	491	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	L		7.03	4.50	138.5	Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	3498	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	L		7.09	6.82	141.7	Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	375	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	R		2.61	1.06	147.5	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	4495	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	R		2.61	1.05	148.7	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	2042	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	R		2.62	1.05	150.1	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	1570	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	R		7.33	6.89	155.4	Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006	0.94	na	Present Study	
Carnivora	Felidae	*Homotherium*	*serum*	933	2291	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L		2.67	1.05	158.4	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	3512	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	R		2.67	1.08	159.5	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	3919	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L		2.68	1.01	161.2	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	322	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	R		2.72	1.01	167.9	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	1	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	R		2.80	1.08	184.2	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	3353	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	R		2.85	0.97	192.7	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	1283	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L		2.88	1.02	200.7	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	2456	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L		2.94	1.06	212.4	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	3533	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L		2.97	1.13	219.5	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Homotherium*	*serum*	933	3269	Friesenhahn cave	Bexar	Pleistocene	Present study	UP4	length of fourth upper premolar	L		3.10	0.98	93.6	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Felids, Present study (LP4>LP3, but ?UP4)	
Carnivora	Felidae	*Homotherium*	*serum*	933	323	Friesenhahn cave	Bexar	Pleistocene	Present study	UP4	length of fourth upper premolar	R		3.51	1.07	137.9	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Felids, Present study (LP4>LP3, but ?UP4)	
Carnivora	Felidae	*Homotherium*	*serum*	933	896	Friesenhahn cave	Bexar	Pleistocene	Present study	UP4	length of fourth upper premolar	L		3.53	1.09	140.1	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Felids, Present study (LP4>LP3, but ?UP4)	
Carnivora	Felidae	*Homotherium*	*serum*	933	157	Friesenhahn cave	Bexar	Pleistocene	Present study	UP4	length of fourth upper premolar	L		3.66	1.10	156.2	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Felids, Present study (LP4>LP3, but ?UP4)	
Carnivora	Felidae	*Homotherium*	*serum*	933	3417	Friesenhahn cave	Bexar	Pleistocene	Present study	UP4	length of fourth upper premolar	R		3.67	0.95	157.1	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Felids, Present study (LP4>LP3, but ?UP4)	
Carnivora	**Felidae**	***Homotherium***	***serum***	**933**	**3309**	**Friesenhahn cave**	**Bexar**	Pleistocene	**Present study**	**UP4**	**third upper premolar**			**3.69**	**1.08**	159.5	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	**Felids, Present study (LP4>LP3, but ?UP4)**	
Carnivora	Felidae	*Homotherium*	*serum*	933	65	Friesenhahn cave	Bexar	Pleistocene	Present study	UP4	length of fourth upper premolar	L		3.69	1.09	160.3	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Felids, Present study (LP4>LP3, but ?UP4)	
Carnivora	Felidae	*Lynx*	*rufus*	30967	556	Ingleside	San Patricio	Pleistocene	Present study	HuMAPD	midshaft anteroposterior diameter of humerus	L	1.02			6.9	Log(Body mass, g) = 2.59*Log(HuEB, mm) + 1.21	0.94	na	Present Study	
Carnivora	Felidae	*Lynx*	*rufus*	908	3476	Kincaid Shelter	Uvalde	Pleistocene	Present study	LP4	length of fourth lower premolar	R		0.94	0.31	7.3	Log(Body mass, g) = 3.01*Log (LP4, mm) +0.936	0.94	na	Felids; Present Study	
Carnivora	Felidae	*Lynx*	*rufus*	40449	75	Levi Shelter	Travis	Pleistocene	Present study	CaL	length of calcaneum			3.90		7.9	Log(Body mass, g) = 2.96*Log(CaL, mm) + -0.819	0.88	na	Present Study	
Carnivora	Felidae	*Lynx*	*rufus*	M	1076	Unknown		Modern	Present study	SKL	length of skull	?		10.70		8.6	Log(Body mass, g) = 3.142*(Log (SKL, mm) -2.440	0.86	na	Present study	
Carnivora	**Felidae**	***Lynx***	***rufus***	**Schulze Cave**	**7319**	**Schulze Cave**	**Edwards**	Holocene	**Present study**	**FeB**	**distal end; breadth of epicondyles of femur**	**L**		**2.60**	**2.45**	**8.6**	**Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006**	**0.94**	**na**	**Present Study**	
Carnivora	Felidae	*Lynx*	*rufus*	M	1076	Unknown		Modern	Present study	LM1	length of first lower molar	L		1.04		8.9	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	M	3878	Unknown		Modern	Present study	LM1	length of first lower molar	L		1.05		9.3	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	M	2801	1 mi E of Florence		Modern	Present study	SKL	length of skull	?		11.02		9.5	Log(Body mass, g) = 3.142*(Log (SKL, mm) -2.440	0.86	na	Present study	
Carnivora	Felidae	*Lynx*	*rufus*	M	2801	1 mi E of Florence		Modern	Present study	LM1	length of first lower molar	L		1.06		9.6	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	908	4180	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		1.09	0.51	10.4	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	M	2649	Unknown		Modern	Present study	LM1	length of first lower molar	L		1.11		10.9	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	M	375	Unknown		Modern	Present study	SKL	length of skull	?		11.57		11.0	Log(Body mass, g) = 3.142*(Log (SKL, mm) -2.440	0.86	na	Present study	
Carnivora	Felidae	*Lynx*	*rufus*	908	4181	Kincaid Shelter	Uvalde	Pleistocene	Present study	LM1	length of first lower molar	R		1.12	0.58	11.2	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	M	819	Unknown		Modern	Present study	SKL	length of skull	?		11.62		11.2	Log(Body mass, g) = 3.142*(Log (SKL, mm) -2.440	0.86	na	Present study	
Carnivora	Felidae	*Lynx*	*rufus*	M	2649	Unknown		Modern	Present study	SKL	length of skull	?		11.64		11.2	Log(Body mass, g) = 3.142*(Log (SKL, mm) -2.440	0.86	na	Present study	
Carnivora	Felidae	*Lynx*	*rufus*	M	819	Unknown		Modern	Present study	LM1	length of first lower molar	L		1.12		11.3	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	908	3931	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	R		1.13	0.50	11.5	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	908	4180	Kincaid Shelter	Uvalde	Pleistocene	Present study	LM1	length of first lower molar	L		1.14	0.53	11.7	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	908	3931	Kincaid Shelter	Uvalde	Pleistocene	Present study	LM1	length of first lower molar	R		1.14	0.53	11.8	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	908	4184	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	R		1.16	0.55	12.4	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	908	4179	Kincaid Shelter	Uvalde	Pleistocene	Present study	LM1	length of first lower molar	R		1.17	0.48	12.7	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	M	369	Unknown		Modern	Present study	LM1	length of first lower molar	L		1.17		12.7	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	40449	101	Levi Shelter	Travis	Pleistocene	Present study	LM1	length of first lower molar	R		1.17	0.49	12.8	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	908	4184	Kincaid Shelter	Uvalde	Pleistocene	Present study	LM1	length of first lower molar	R		1.17	0.47	12.8	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	908	4179	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	R		1.17	0.55	12.9	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	908	4181	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	R		1.18	0.54	13.1	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	M	3423	Unknown		Modern	Present study	LM1	length of first lower molar	L		1.19		13.4	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	M	375	Unknown		Modern	Present study	LM1	length of first lower molar	L		1.20		14.0	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	M	369	Unknown		Modern	Present study	SKL	length of skull	?		12.72		14.9	Log(Body mass, g) = 3.142*(Log (SKL, mm) -2.440	0.86	na	Present study	
Carnivora	Felidae	*Lynx*	*rufus*	M	820	Unknown		Modern	Present study	LM1	length of first lower molar	L		1.23		14.9	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	M	820	Unknown		Modern	Present study	SKL	length of skull	?		12.83		15.3	Log(Body mass, g) = 3.142*(Log (SKL, mm) -2.440	0.86	na	Present study	
Carnivora	Felidae	*Lynx*	*rufus*	40449	121	Levi Shelter	Travis	Pleistocene	Present study	LM1	length of first lower molar	R		1.27	0.48	16.4	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	**Felidae**	***Lynx***	***rufus***	**Schulze Cave**	**7317**	**Schulze Cave**	**Edwards**	Holocene	**Present study**	**M1**	**length of first molar**			**1.35**	**0.61**	**20.0**	**Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15**	**0.90**	**28.0**	**Table 10.2 Felid regression;Van Valkenburgh 1990**	
Carnivora	Felidae	*Lynx*	*rufus*	Schulze Cave	7389a	Schulze Cave	Edwards	Holocene	Present study	M1	length of first molar			1.47	0.48	25.9	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	Schulze Cave	7389b	Schulze Cave	Edwards	Holocene	Present study	M1	length of first molar			1.52	0.53	28.2	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990	
Carnivora	Felidae	*Lynx*	*rufus*	40449	74	Levi Shelter	Travis	Pleistocene	Present study	Mt	metatarsal III, proximal	R		1.17	1.04						
Carnivora	Felidae	*Lynx*	*rufus*	40449	41	Levi Shelter	Travis	Pleistocene	Present study	Phalanx-1	phalanx I			0.68	0.59						

Carnivora	Felidae	*Panthera*	*leo atrox*	43059	997	Wight Materials North (Bluntzer)		Pleistocene	Present study	LM1	length of first lower molar	R		2.78	1.34	180.0	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990
Carnivora	Felidae	*Panthera*	*leo atrox*	30967	1697	Ingleside	San Patricio	Pleistocene	Present study	UP3	third upper premolar	R		2.89	1.30	217.1	Log(Body mass, g) = 3.0129*Log (LP4, mm) +0.9356	0.94	na	Felids, Present study (LP4>LP3, but ?UP4)
Carnivora	Felidae	*Panthera*	*leo atrox*	43059	998	Wight Materials North (Bluntzer)		Pleistocene	Present study	LM1	length of first lower molar	L		3.09	1.52	247.7	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990
Carnivora	Felidae	*Panthera*	*leo atrox*	908	2418	Kincaid Shelter	Uvalde	Pleistocene	Present study	Canine	UCL			12.40	2.16					
Carnivora	Felidae	*Panthera*	*onca*	40279	121	Longhorn Cave	Burnet	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	R		5.63	5.01	74.4	Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006	0.94	na	Present Study
Carnivora	Felidae	*Panthera*	*onca*	43407	31	Honey Creek Cave	Mason	Pleistocene	Present study	LM1	length of first lower molar	R		2.23	1.04	91.9	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990
Carnivora	Felidae	*Panthera*	*onca*	40279	13	Longhorn Cave	Burnet	Pleistocene	Present study	LM1	length of first lower molar	R		2.36	1.03	109.3	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990
Carnivora	Felidae	*Smilodon*	*fatalis*	30967	751	Ingleside	San Patricio	Pleistocene	Present study	UP4	length of fourth upper premolar	R		1.41	0.78	24.9	Log(Body mass, g) = 3.01*Log (LP4, mm) +0.936	0.94	na	Felids; Present Study
Carnivora	Felidae	*Smilodon*	*fatalis*	933	898	Friesenhahn cave	Bexar	Pleistocene	Present study	LP4	length of fourth lower premolar	L		2.22	1.05	98.6	Log(Body mass, g) = 3.01*Log (LP4, mm) +0.936	0.94	na	Felids; Present Study
Carnivora	Felidae	*Smilodon*	*fatalis*	933	897	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	R		2.50	1.18	129.9	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990
Carnivora	Felidae	*Smilodon*	*fatalis*	933	1314	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L		2.50	1.30	130.6	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990
Carnivora	Felidae	*Smilodon*	*fatalis*	933	373	Friesenhahn cave	Bexar	Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	L		7.01	6.30	137.3	Log(Body mass, g) = 2.79*Log(FeB, mm) + -0.006	0.94	na	Present Study
Carnivora	Felidae	*Smilodon*	*fatalis*	933	68	Friesenhahn cave	Bexar	Pleistocene	Present study	LP4	length of fourth lower premolar	R		2.49	1.14	139.1	Log(Body mass, g) = 3.01*Log (LP4, mm) +0.936	0.94	na	Felids; Present Study
Carnivora	Felidae	*Smilodon*	*fatalis*	43059	304	Wight Materials North		Pleistocene	Present study	HuMAPD	midshaft anteroposterior diameter of humerus	R	3.28			141.5	Log(Body mass, g) = 2.59*Log(HuEB, mm) + 1.21	0.94	na	Present Study
Carnivora	Felidae	*Smilodon*	*fatalis*	30967	347	Ingleside	San Patricio	Pleistocene	Present study	LP	length of lower premolar	L		2.60	1.17	157.9	Log(Body mass, g) = 3.01*Log (LP4 , mm) +0.936	0.94	na	Felids; Present Study
Carnivora	Felidae	*Smilodon*	*fatalis*	30967	198	Ingleside	San Patricio	Pleistocene	Present study	LM1	length of first lower molar	R		2.73	1.15	169.8	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990
Carnivora	Felidae	*Smilodon*	*fatalis*	933	5704	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	R		7.63	4.87	253.5	Log(Body mass, kg) = 2.186*Log(HuEB, mm) + -1.711	0.95	21.0	Christiansen and Harris 2005
Carnivora	Felidae	*Smilodon*	*fatalis*	933	2206	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L		8.26	4.95	301.7	Log(Body mass, kg) = 2.186*Log(HuEB, mm) + -1.711	0.95	21.0	Christiansen and Harris 2005
Carnivora	Felidae	*Smilodon*	*fatalis*	933	2953	Friesenhahn cave	Bexar	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L		9.48	4.13	407.4	Log(Body mass, kg) = 2.186*Log(HuEB, mm) + -1.711	0.95	21.0	Christiansen and Harris 2005
Carnivora	**Felidae**	***Smilodon***	***fatalis***	**933**	**2690**	**Friesenhahn cave**	**Bexar**	Pleistocene	**Present study**	**UPA**	**length of fourth lower premolar**	**L**		**3.75**	**1.38**	167.7	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990
Carnivora	**Felidae**	***Smilodon***	***fatalis***	**908**	**2691**	**Kincaid Shelter**	**Uvalde**	Pleistocene	**Present study**	**UP4**	**length of fourth upper premolar**	**R**		**3.80**	**1.47**	174.9	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990
Carnivora	**Felidae**	***Smilodon***	***fatalis***	**933**	**3956**	**Friesenhahn cave**	**Bexar**	Pleistocene	**Present study**	**UP4**	**length of fourth upper premolar**	**R**		**3.93**	**1.23**	193.5	Log(Body mass, g) = 3.05*Log (LM1, mm) -2.15	0.90	28.0	Table 10.2 Felid regression;Van Valkenburgh 1990
Carnivora	Felidae	*Smilodon*	*fatalis*	30967	1713	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	RaL	ameter at midshaft; overall length; width at distal er	L	3.80	26.70	6.10					
Carnivora	indet.	*indet.*	*indet.*	41229	none	Hall's Cave	Kerr	Holocene	Present study	FeHD	proximal end; diameter of femoral head		1.51			8.5	Log(Body mass, g) = 2.7*Log(FeHD, mm) + 0.75	0.99	11.3	Pardi 2016
Carnivora	indet.	*indet.*	*indet.*	41229	none	Hall's Cave	Kerr	Pleistocene	Present study	FeHD	proximal end; diameter of femoral head	R	1.51			8.5	Log(Body mass, g) = 2.7*Log(FeHD, mm) + 0.75	0.99	11.3	Pardi 2016
Carnivora	Mephitidae	*Conepatus*	*mesoleucus*	43133	1137	Bering Sinkhole	Kerr	Holocene	Present study	LM1	length of first lower molar	L		0.99	0.49	2.3	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Mephitidae	*Conepatus*	*mesoleucus*	43133	1138	Bering Sinkhole	Kerr	Holocene	Present study	LM1	length of first lower molar	R		1.09	0.43	3.3	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	40540	71	Miller's Cave	Llano	Pleistocene	Present study	LM1	length of first lower molar			0.49	0.46	0.1	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	367	Unknown		Modern	Present study	UM1	length of first upper molar	R		0.72		0.7	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	2034	5 mi west of Austin		Modern	Present study	LM1	length of first lower molar	L		0.83		1.1	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	2034	5 mi west of Austin		Modern	Present study	SKL	length of skull	?		6.40		1.2	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	367	Unknown		Modern	Present study	SKL	length of skull	?		6.46		1.3	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	4893	Pease Park		Modern	Present study	SKL	length of skull	?		6.50		1.3	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	4895	Pease Park		Modern	Present study	LM1	length of first lower molar	L		0.87		1.4	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	4895	Pease Park		Modern	Present study	SKL	length of skull	?		6.69		1.4	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	7312	Balcones Research Center,	Travis	Modern	Present study	SKL	length of skull	?		6.85		1.6	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	7312	Balcones Research Center,	Travis	Modern	Present study	LM1	length of first lower molar	L		0.90		1.6	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	343	Unknown		Modern	Present study	LM1	length of first lower molar	L		0.91		1.7	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	4894	Pease Park		Modern	Present study	LM1	length of first lower molar	L		0.91		1.7	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	4894	Pease Park		Modern	Present study	SKL	length of skull	?		7.14		1.8	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Mephitidae	*Mephitis*	*mephitis*	933	3917	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	R		0.93	0.31	1.8	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	908	3264	Kincaid Shelter	Uvalde	Holocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	R		1.72	0.74	1.8	Log(Body mass, g) = 2.51467*Log(HuEB, mm) +0.15426	0.98	na	all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	1891	Unknown		Modern	Present study	LM1	length of first lower molar	R		0.95		1.9	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	6297	Unknown		Modern	Present study	LM1	length of first lower molar	L		0.95		1.9	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	4893	Pease Park		Modern	Present study	LM1	length of first lower molar	L		0.95		1.9	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	M	7440	Pease Park		Modern	Present study	LM1	length of first lower molar	L		0.97		2.1	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	41172	222	Pratt Cave	Culbertson	Holocene	Present study	LM1	length of first lower molar	L		0.97	0.48	2.1	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	40540	69	Miller's Cave	Llano	Pleistocene	Present study	UM1	length of first upper molar			0.98	0.74	2.2	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	933	611	Friesenhahn cave	Bexar	Pleistocene	Present study	LM2	length of second lower molar	R		1.00	0.50	2.4	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	933	452	Friesenhahn cave	Bexar	Pleistocene	Present study	LM2	length of second lower molar	L		1.01	0.46	2.5	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	933	766	Friesenhahn cave	Bexar	Pleistocene	Present study	LM2	length of second lower molar	R		1.01	0.47	2.5	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	933	4494	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L		1.01	0.45	2.5	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	933	3670	Friesenhahn cave	Bexar	Pleistocene	Present study	LM2	length of second lower molar	L		1.07	0.51	3.1	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	908	1204	Kincaid Shelter	Uvalde	Pleistocene	Present study	LM1	length of first lower molar	L		1.12	0.49	3.7	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		all carnivores, Present Study
Carnivora	Mephitidae	*Mephitis*	*mephitis*	40540	70	Miller's Cave	Llano	Pleistocene	Present study	UP4	length of fourth upper premolar			0.63	0.58					
Carnivora	Mephitidae	*Spilogale*	*sp.*	40540	73d	Miller's Cave	Llano	Pleistocene	Present study	LM1	length of first lower molar	R		0.70	0.33	0.6	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Mephitidae	*Spilogale*	*sp.*	40540	73c	Miller's Cave	Llano	Pleistocene	Present study	LM1	length of first lower molar	R		0.72	0.31	0.6	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Mephitidae	*Spilogale*	*sp.*	43067	41	The Avenue (Avenue Local	Travis	Pleistocene	Lundelius 1992	LM1	length of first lower molar	L		0.73	0.33	0.7	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Mephitidae	*Spilogale*	*sp.*	40540	73b	Miller's Cave	Llano	Pleistocene	Present study	LM1	length of first lower molar	L		0.77	0.31	0.9	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Mephitidae	*Spilogale*	*sp.*	40540	73a	Miller's Cave	Llano	Pleistocene	Present study	LM1	length of first lower molar	L		0.80	0.32	1.0	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Mustelidae	*Taxidea*	*taxus*	43133	260	Bering Sinkhole	Kerr	Holocene	Present study	LM1	length of first lower molar	R		1.27	0.61	6.0	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Mustelidae	*Taxidea*	*taxus*	43133	213	Bering Sinkhole	Kerr	Holocene	Present study	LM1	length of first lower molar	L		1.47	0.67	10.7	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	458	Camp Wood		Modern	Present study	LM1	length of first lower molar	L		0.69		0.5	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	1082	Unknown		Modern	Present study	LM1	length of first lower molar	R		0.72		0.7	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	459	Camp Wood		Modern	Present study	LM1	length of first lower molar	L		0.72		0.7	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	457	Camp Wood		Modern	Present study	LM1	length of first lower molar	L		0.76		0.8	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	365	Unknown		Modern	Present study	LM1	length of first lower molar	L		0.76		0.8	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	2117	Unknown		Modern	Present study	LM1	length of first lower molar	L		0.78		0.9	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Procyonidae	*Bassariscus*	*astutus*	908	4432	Kincaid Shelter	Uvalde	Pleistocene	Present study	LM1	length of first lower molar	L		0.79	0.38	0.9	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	464	Camp Wood		Modern	Present study	LM1	length of first lower molar	L		0.79		1.0	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	466	Camp Wood		Modern	Present study	LM1	length of first lower molar	L		0.81		1.0	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	800	Highway 71, 3 mi NE of		Modern	Present study	LM1	length of first lower molar	L		0.81		1.0	Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516	0.81		Present study
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	1082	Unknown		Modern	Present study	SKL	length of skull	?		7.41		2.0	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	459	Camp Wood		Modern	Present study	SKL	length of skull	?		7.54		2.2	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	365	Unknown		Modern	Present study	SKL	length of skull	?		7.58		2.2	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	458	Camp Wood		Modern	Present study	SKL	length of skull	?		7.66		2.3	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	466	Camp Wood		Modern	Present study	SKL	length of skull	?		7.76		2.4	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	2079	Comstock		Modern	Present study	SKL	length of skull	?		8.01		2.6	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	Procyonidae	*Bassariscus*	*astutus*	M	464	Camp Wood		Modern	Present study	SKL	length of skull	?		8.29		3.0	Log(Body mass, kg) = 3.39*Log(SKL, mm) + -6.03	0.90	40.0	Mustelids, Table 16.6; Damuth and MacFadden 1990
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**40449**	**39**	**Levi Shelter**	**Travis**	Pleistocene	**Present study**	**LM1**	**length of first lower molar**	**R**		**0.82**	**0.49**	**1.1**	**Log(Body mass, g) = 3.9287*Log(LM1, mm)+ -0.5516**	**0.81**		**Present study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**257**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**LM1**	**length of first lower molar**	**R**		**1.04**	**0.63**	**1.8**	**Log(Body mass, g) = 3.738*Log(LM1, mm)+ -0.534**	**0.96**		**Present study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**245**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**LM1**	**length of first lower molar**	**L**		**1.11**	**0.72**	**2.3**	**Log(Body mass, g) = 3.738*Log(LM1, mm)+ -0.534**	**0.96**		**Present study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**244**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**LM1**	**length of first lower molar**	**L**		**1.15**	**0.70**	**2.7**	**Log(Body mass, g) = 3.738*Log(LM1, mm)+ -0.534**	**0.96**		**Present study**

Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**247**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**LM1**	**length of first lower molar**	**R**		**1.15**	**0.66**	**2.7**	**Log(Body mass, g) = 3.738*Log(LM1, mm)+ -0.534**	**0.96**		**Present study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**258**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**LM1**	**length of first lower molar**	**L**		**1.18**	**0.63**	**3.0**	**Log(Body mass, g) = 3.738*Log(LM1, mm)+ -0.534**	**0.96**		**Present study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**40279**	**135**	**Longhorn Cave**	**Burnet**	Pleistocene	**Present study**	**HuRB**	**distal end; breadth of epicondyles of humerus**			**2.01**	**1.15**	**3.4**	**Log(Body mass, g) = 2.68399*Log(HuRB, mm) +0.0405**	**0.97**	**na**	**Present Study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**264**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**UM1**	**length of first upper molar**	**R**		**0.91**	**0.93**	**4.5**	**Log(Body mass, g) = 2.02747*(Log (UM1, mm) +1.70866**	**0.83**	**na**	**All carnivores, Present study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**265**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**UM1**	**length of first upper molar**	**L**		**0.93**	**0.91**	**4.7**	**Log(Body mass, g) = 2.02747*(Log (UM1, mm) +1.70866**	**0.83**	**na**	**All carnivores, Present study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**254**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**UM1**	**length of first upper molar**	**R**		**0.97**	**0.89**	**5.1**	**Log(Body mass, g) = 2.02747*(Log (UM1, mm) +1.70866**	**0.83**	**na**	**All carnivores, Present study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**266**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**LP4**	**length of fourth lower premolar**	**R**		**0.79**	**0.57**	**8.4**	**Log(Body mass, g) = 1.92282*(log LM2, mm) +2.19684**	**0.83**		**all carnivores, Present Study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**255**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**UM2**	**length of second upper molar**	**L**		**0.86**	**0.74**	**9.8**	**Log(Body mass, g) = 1.92282*(log LM2, mm) +2.19684**	**0.83**		**all carnivores, Present Study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**256**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**LM2**	**length of second lower molar**	**R**		**0.97**	**0.57**	**12.5**	**Log(Body mass, g) = 1.92282*(log LM2, mm) +2.19684**	**0.83**		**all carnivores, Present Study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**933**	**1873**	**Friesenhahn cave**	**Bexar**	Pleistocene	**Present study**	**LM2**	**length of second lower molar**	**R**		**0.99**	**0.45**	**12.8**	**Log(Body mass, g) = 1.92282*(log LM2, mm) +2.19684**	**0.83**		**all carnivores, Present Study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**259**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**LM2**	**length of second lower molar**	**R**		**1.10**	**0.67**	**15.8**	**Log(Body mass, g) = 1.92282*(log LM2, mm) +2.19684**	**0.83**		**all carnivores, Present Study**
Carnivora	**Procyonidae**	***Procyon***	***lotor***	**43133**	**252**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**LM2**	**length of second lower molar**	**R**		**1.23**	**0.64**	**19.6**	**Log(Body mass, g) = 1.92282*(log LM2, mm) +2.19684**	**0.83**		**all carnivores, Present Study**
Carnivora	Procyonidae	*Procyon*	*lotor*	40449	40	Levi Shelter	Travis	Pleistocene	Present study	Mc	metacarpal -1	R		0.47	0.44					
Carnivora	Procyonidae	*Procyon*	*lotor*	40449	203	Levi Shelter	Travis	Pleistocene	Present study	Mc	metacarpal -3	R		0.44	0.40					
Carnivora	Procyonidae	*Procyon*	*lotor*	40449	507	Levi Shelter	Travis	Pleistocene	Present study	Mc	metacarpal -2	R		0.51	0.45					
Carnivora	Procyonidae	*Procyon*	*lotor*	40449	508	Levi Shelter	Travis	Pleistocene	Present study	Mt	metatarsal -2	R		0.56	0.49					
Carnivora	**Ursidae**	***Arctodus***	***simus***	**43059**	**305**	**Wight Materials North**		Pleistocene	**Present study**	**HuRB**	**distal end; breadth of epicondyles of humerus**	**L**		**11.10**	**7.79**	**202.3**	**Log(Body mass, g) = 1.47*Log(HuRB, mm)+ 2.29**	**0.78**	**na**	**Present study**
Carnivora	**Ursidae**	***Arctodus***	***simus***	**933**	**2156**	**Friesenhahn cave**	**Bexar**	Pleistocene	**Present study**	**LM2**	**length of second lower molar**	**L**		**2.91**	**1.80**	**268.2**	**Log(Body mass, g) = 1.59*Log(LM2 length, mm)+ 3.10**	**0.33**	**na**	**Ursids, Present study**
Carnivora	**Ursidae**	***Arctodus***	***simus***	**933**	**2205**	**Friesenhahn cave**	**Bexar**	Pleistocene	**Present study**	**LM3**	**length of third lower molar**	**L**		**2.03**	**1.60**	**293.4**	**Log(Body mass, g) = 2.20156*Log(LM3, mm) + 2.58945**	**0.88**		**all carnivores, Present Study**
Carnivora	**Ursidae**	***Tremarctos***	***floridanus***	**30967**	**1031**	**Ingleside**	**San Patricio**	Pleistocene	**Present study**	**LM**	**length of lower molar**	**†**		**1.63**	**1.18**	**127.0**	**Body mass, g) = average[1.9336*Log(LM1, mm)+2.7, 1.5878*Log(LM2)+3.1043,1.07*Log(LM**	**0.25**	**na**	**Present study**
Carnivora	**Ursidae**	***Tremarctos***	***floridanus***	**30967**	**1880**	**Ingleside**	**San Patricio**	Pleistocene	**Present study**	**LM3**	**length of third lower molar**	**†**		**2.16**	**1.26**	**336.4**	**Log(Body mass, g) = 2.20156*Log(LM3, mm) + 2.58945**	**0.88**		**all carnivores, Present Study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**106**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**FeB**	**distal end; breadth of epicondyles of femur**	**L**		**6.30**	**5.32**	**120.4**	**Log(Body mass, g) = 1.61*Log(FeB, mm)+ 2.19**	**0.60**	**na**	**Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**107**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**FeB**	**distal end; breadth of epicondyles of femur**	**R**		**6.32**	**5.43**	**120.9**	**Log(Body mass, g) = 1.61*Log(FeB, mm)+ 2.19**	**0.60**	**na**	**Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**43365**	**1**	**Sanders Ranch Cave**	**Williamson**	Holocene	**Present study**	**UM1**	**length of first upper molar**	**R**		**1.65**	**1.16**	**125.9**	**Log(Body mass, g) = 1.66*Log(UM1 length, mm)+ 3.08**	**0.40**	**na**	**Ursids, Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**P (Schulze Cav**	**7308**	**Schulze Cave**	**Edwards**	Holocene	**Present study**	**FeB**	**distal end; breadth of epicondyles of femur**	**L**		**6.71**	**6.23**	**133.3**	**Log(Body mass, g) = 1.61*Log(FeB, mm)+ 2.19**	**0.60**	**na**	**Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**94**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**TiB**	**distal end; breadth of tibia**	**L**		**5.96**	**3.02**	**133.4**	**Log(Body mass, kg) = 2.02*Log(TiRB, mm)+ -1.461**	**0.90**	**100.0**	**Figueirido et al. 2010 (Tedmi; canids and ursids)**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**933**	**2543**	**Friesenhahn cave**	**Bexar**	Pleistocene	**Present study**	**UM3**	**length of third upper molar**	**R**		**1.80**	**1.39**	**146.7**	**Log(Body mass, g) = 1.66*Log(UM1, mm)+ 3.08**	**0.40**	**na**	**Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**3**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**LM2**	**length of second lower molar**	**R**		**2.00**	**1.26**	**147.5**	**Log(Body mass, g) = 1.59*Log(LM2 length, mm)+ 3.10**	**0.33**	**na**	**Ursids, Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**43133**	**1132**	**Bering Sinkhole**	**Kerr**	Holocene	**Present study**	**LM1**	**length of first lower molar**	**R**		**1.97**	**1.24**	**148.7**	**Log(Body mass, g) = 1.93*Log(LM1, mm)+ 2.67**	**0.58**	**na**	**Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**P (Schulze Cav**	**7188**	**Schulze Cave**	**Edwards**	Holocene	**Present study**	**UM**	**length of upper molar**			**1.84**	**1.31**	**150.9**	**Log(Body mass, g) = 1.66*Log(UM1, mm)+ 3.08**	**0.40**	**na**	**Ursids, Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**43539**	**1**	**Cicurina Cave Loc. 1**		Holocene	**Present study**	**LM1**	**length of first lower molar**	**R**		**2.00**	**1.21**	**152.6**	**Log(Body mass, g) = 1.93*Log(LM1, mm)+ 2.67**	**0.58**	**na**	**Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**104**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**FeB**	**distal end; breadth of epicondyles of femur**	**R**		**7.50**	**6.60**	**159.3**	**Log(Body mass, g) = 1.61*Log(FeB, mm)+ 2.19**	**0.60**	**na**	**Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**102**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**FeB**	**distal end; breadth of epicondyles of femur**	**R**		**7.54**	**6.99**	**160.6**	**Log(Body mass, g) = 1.61*Log(FeB, mm)+ 2.19**	**0.60**	**na**	**Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**39**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**LM2**	**length of second lower molar**	**R**		**2.11**	**1.05**	**160.8**	**Log(Body mass, g) = 1.59*Log(LM2 length, mm)+ 3.10**	**0.33**	**na**	**Ursids, Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**105**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**FeB**	**distal end; breadth of epicondyles of femur**	**L**		**7.56**	**6.73**	**161.3**	**Log(Body mass, g) = 1.61*Log(FeB, mm)+ 2.19**	**0.60**	**na**	**Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**103**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**FeB**	**distal end; breadth of epicondyles of femur**	**L**		**7.61**	**6.97**	**163.0**	**Log(Body mass, g) = 1.61*Log(FeB, mm)+ 2.19**	**0.60**	**na**	**Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**2**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**LM2**	**length of second lower molar**	**L**		**2.15**	**1.45**	**165.7**	**Log(Body mass, g) = 1.59*Log(LM2 length, mm)+ 3.10**	**0.33**	**na**	**Ursids, Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40540**	**60**	**Miller's Cave**	**Llano**	Pleistocene	**Present study**	**LM1**	**length of first lower molar**	**R**		**2.24**	**1.40**	**191.0**	**Log(Body mass, g) = 1.93*Log(LM1, mm)+ 2.67**	**0.58**	**na**	**Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**142**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**TiRB**	**distal end; breadth of tibia**	**R**		**8.09**	**7.30**	**247.4**	**Log(Body mass, kg) = 2.02*Log(TiRB, mm)+ -1.461**	**0.90**	**100.0**	**Figueirido et al. 2010 (Tedmi; canids and ursids)**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40685**	**140**	**Zesch Cave**	**Mason**	Pleistocene	**Present study**	**TiRB**	**distal end; breadth of tibia**	**L**		**8.13**	**6.71**	**249.4**	**Log(Body mass, kg) = 2.02*Log(TiRB, mm)+ -1.461**	**0.90**	**100.0**	**Figueirido et al. 2010 (Tedmi; canids and ursids)**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**41284**	**215**	**Don Williams Cave**	**Hays**	Holocene	**Present study**	**UM1**	**length of first upper molar**	**R**		**3.00**	**1.76**	**340.3**	**Log(Body mass, g) = 1.66*Log(UM1 length, mm)+ 3.08**	**0.40**	**na**	**Ursids, Present study**
Carnivora	**Ursidae**	***Ursus***	***americanus***	**40279**	**138**	**Longhorn Cave**	**Burnet**	Pleistocene	**Present study**	**UM1**	**length of first upper molar**	**L**		**3.05**	**1.68**	**350.3**	**Log(Body mass, g) = 1.66*Log(UM1 length, mm)+ 3.08**	**0.40**	**na**	**Ursids, Present study**
Carnivora	Ursidae	*Ursus*	*americanus*	933	2624	Friesenhahn cave	Bexar	Pleistocene	Present study	Mt	metatarsal	L		1.49	2.20					
Carnivora	Ursidae	*Ursus*	*americanus*	40540	61a	Miller's Cave	Llano	Pleistocene	Present study	Phalanx	phalanx			1.32	0.88					
Carnivora	Ursidae	*Ursus*	*americanus*	40540	61b	Miller's Cave	Llano	Pleistocene	Present study	Phalanx	phalanx			1.14	0.92					
Carnivora	**Ursidae**	***Ursus***	*americanus (cf)*	**41284**	**16**	**Don Williams Cave**	**Hays**	Holocene	**Present study**	**LM1**	**length of first lower molar**	**L**		**2.07**	**1.32**	**164.3**	**Log(Body mass, g) = 1.93*Log(LM1, mm)+ 2.67**	**0.58**	**na**	**Present study**
Cingulata	Chlamyphoridae	*Glyptotherium*	*floridanum*	30967	1814	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM	length of lower 3 or 4th molar	L		2.20	1.10					
Cingulata	Chlamyphoridae	*Glyptotherium*	*floridanum*	31034	31	O'Brian Ranch	Bee	Pleistocene	Present study	LM1	length of first lower molar			2.00	1.25					
Cingulata	Chlamyphoridae	*Glyptotherium*	*floridanum*	31034	30	O'Brian Ranch	Bee	Pleistocene	Present study	LM8	eighth lower molar	L		1.86	1.23					
Cingulata	Chlamyphoridae	*Glyptotherium*	*floridanum*	31034	125	O'Brian Ranch	Bee	Pleistocene	Present study	LM8	eighth lower molar	L		2.18	1.10					
Cingulata	**Pampatheriidae**	***Holmesina***	***septentrionalis***	**43059**	**316**	**Wight Materials North**		Pleistocene	**Present study**	**HuMAPD**	**midshaft anteroposterior diameter of humerus**	**R**	**2.22**			**61.2**	**Log(Body mass, g) = 2.66975*Log(HuMAPD*Pi, g) -0.13193**	**0.98**		**All mammals; Present Study**
Cingulata	**Pampatheriidae**	***Holmesina***	***septentrionalis***	**31041**	**129**	**Brazos River**	**Stonewall**	Pleistocene	**Lundelius**	**Mt**	**second metatarsal**	**R**		**4.61**	**2.00**					
Cingulata	**Pampatheriidae**	***Holmesina***	***septentrionalis***	**30967**	**870**	**Ingleside**	**San Patricio**	Pleistocene	**Present study**	**HuL**	**length of humerus**	**R**		**28.60**		**139.9**	**Log(Body mass, g) = 2.79712*Log(HuL, g) -1.72502**	**0.96**		**All mammals; Present Study**
Didelphimorphia	Didelphidae	*Didelphis*	*sp.*	40449	135	Levi Shelter	Travis	Pleistocene	Present study	UP4	length of fourth upper premolar	R		0.62	0.53	2.8	Log(Body mass, g) = 3.399*Log(UP4, mm) + 0.753	0.79	na	Present Study
Didelphimorphia	Didelphidae	*Didelphis*	*virginiana*	43133	1135	Bering Sinkhole	Kerr	Holocene	Present study	LM1	length of first lower molar	L		0.56	0.32					
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	3756	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.26	0.35	1.5	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4396	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.27	0.31	1.7	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	40449	28	Levi Shelter	Travis	Pleistocene	Present study	TiB	distal end; breadth of tibia			1.26	0.81	2.0	Log(Body mass, g) = 2.584*Log(TiB, mm)+0.461	0.98	15.4	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	M	267	Unknown		Modern	Present study	LM1	length of first lower molar	R		0.28		2.1	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	2329	Kincaid Shelter	Uvalde	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	L		1.00	0.76	2.1	Log(Body mass, g) = 2.393*Log(HuEB, mm)+0.934	0.88	16.0	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	40449	28x	Levi Shelter	Travis	Pleistocene	Present study	TiB	distal end; breadth of tibia			1.35	0.85	2.4	Log(Body mass, g) = 2.584*Log(TiB, mm)+0.461	0.98	15.4	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	40449	27	Levi Shelter	Travis	Pleistocene	Present study	TiB	distal end; breadth of tibia	R		1.36	0.86	2.4	Log(Body mass, g) = 2.584*Log(TiB, mm)+0.461	0.98	15.4	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	40449	497	Levi Shelter	Travis	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus			1.06	0.70	2.5	Log(Body mass, g) = 2.393*Log(HuEB, mm)+0.934	0.88	16.0	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	40449	26	Levi Shelter	Travis	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	R		1.06	0.83	2.5	Log(Body mass, g) = 2.393*Log(HuEB, mm)+0.934	0.88	16.0	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	M	658	Unknown		Modern	Present study	LM1	length of first lower molar	L		0.30		2.6	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	M	6664	TX 30 btw Hunt and Leakey		Modern	Present study	FeL	length of femur	R		10.82		2.7	Log(Body mass, g) = 2.229*Log(FeL, mm) -1.11	0.98	19.1	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	M	2419	Just N of Florence on 440		Modern	Present study	LM1	length of first lower molar	R		0.31		2.7	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	M	242	Near Comstock		Modern	Present study	FeL	length of femur	R		11.16		2.8	Log(Body mass, g) = 2.229*Log(FeL, mm) -1.11	0.98	19.1	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	988	37	Scharbauer Ranch	Midland	Pleistocene	Present study	UM1	length of first upper molar	L		0.31	0.47	2.8	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	M	3589	9 mi NW of Lampasas		Modern	Present study	LM1	length of first lower molar	L		0.31		2.9	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	3758	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.32	0.34	3.2	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	1509	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.32	0.35	3.2	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	40449	26	Levi Shelter	Travis	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	R		1.20	0.72	3.3	Log(Body mass, g) = 2.393*Log(HuEB, mm)+0.934	0.88	16.0	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	1263	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.32	0.36	3.3	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	3697	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.33	0.33	3.4	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4091	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.33	0.35	3.4	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	3685	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.33	0.35	3.4	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4089	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.34	0.36	4.0	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4085	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.36	0.35	4.5	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4086	Kincaid Shelter	Uvalde	Holocene	Present study	Lm1	length of first lower molar	L		0.36	0.35	4.6	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4084	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.36	0.35	4.8	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4397	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.37	0.32	4.9	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4090	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.38	0.34	5.5	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	988	38	Scharbauer Ranch	Midland	Pleistocene	Present study	LM1	length of first lower molar			0.38	0.31	5.5	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	3404	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.39	0.30	6.1	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015

Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4088	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.39	0.33	6.3	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4087	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.40	0.33	6.7	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4093	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.41	0.38	7.4	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	908	4096	Kincaid Shelter	Uvalde	Holocene	Present study	LM1	length of first lower molar	L		0.42	0.40	7.9	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Lepus*	*sp.*	M	3518	Unknown		Modern	Present study	SKL	length of skull			9.73						
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10285	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		0.83	0.37	0.1	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17203	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		0.97	0.45	0.2	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**4840**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**L**		**0.97**	**0.42**	**0.2**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17227	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		0.98	0.45	0.2	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**16969**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**R**		**0.99**	**0.44**	**0.2**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17216	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.00	0.42	0.2	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17215	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.01	0.43	0.2	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5226	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		1.01	0.47	0.2	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**10349**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**L**		**1.03**	**0.52**	**0.2**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17610	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		1.05	0.43	0.2	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17410**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**L**		**1.07**	**0.51**	**0.2**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17531	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		1.09	0.51	0.2	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4071	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		1.13	0.49	0.3	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17400**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**L**		**1.17**	**0.50**	**0.3**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17401**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**L**		**1.17**	**0.49**	**0.3**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4754	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.18	0.55	0.3	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17224	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.18	0.52	0.3	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2983	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		1.19	0.53	0.3	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9026	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		1.20	0.55	0.3	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17393**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**L**		**1.21**	**0.54**	**0.3**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17406**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**L**		**1.22**	**0.56**	**0.3**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17512	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		1.22	0.55	0.3	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17397**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**L**		**1.23**	**0.55**	**0.3**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17303	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.23	0.56	0.3	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17430**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**R**		**1.24**	**0.55**	**0.3**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17252	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.26	0.52	0.4	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17394**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**L**		**1.31**	**0.61**	**0.4**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17409**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**R**		**1.31**	**0.57**	**0.4**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17492	Halls Cave	Kerr	Pleistocene	Present study	CaW	width of the calcaneum	L			0.59	0.5	Ln (Body mass, g) = 2.928*Ln(CaW, mm)+0.981	0.98	32.4	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17257	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.37	0.61	0.5	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17107**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**HuAPDd**	**distal end; anterior-posterior diameter of humeru**	**R**	**0.36**			**0.5**	**Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536**	**0.89**	**14.9**	**Lagomorpha, Table 4; Moncunill-Solé et al. 2015**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2849	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		1.39	0.86	0.5	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**16987**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**HuAPDd**	**distal end; anterior-posterior diameter of humeru**	**R**	**0.36**			**0.5**	**Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536**	**0.89**	**14.9**	**Lagomorpha, Table 4; Moncunill-Solé et al. 2015**
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17380**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**L**		**1.40**	**0.63**	**0.5**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17539	Halls Cave	Kerr	Pleistocene	Present study	HTDd	distal Humerus transverse diameter	L	0.66			0.5	Log(Body mass, g) =3.386*Log(HTDd, mm) -0.063	0.95	28.7	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17299	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.41	0.63	0.5	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17511	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		1.43	0.45	0.5	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**17190**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**HuAPDd**	**distal end; anterior-posterior diameter of humeru**	**R**	**0.38**			**0.5**	**Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536**	**0.89**	**14.9**	**Lagomorpha, Table 4; Moncunill-Solé et al. 2015**
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**10350**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**R**		**1.45**	**0.63**	**0.6**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17423	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.38			0.6	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17206	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.45	0.67	0.6	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16967	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.46	0.62	0.6	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17395	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.46	0.36	0.6	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17189	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.39			0.6	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9516	Halls Cave	Kerr	Holocene	Present study	FeAPDd	distal end; anterior-posterior diameter of femur	R	0.93			0.6	Log(Body mass, g) =2.63*Log(FAPDd, mm)+0.225	0.98	20.3	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17460	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		1.48	0.84	0.6	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17318	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.48	0.55	0.6	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**7428**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**R**		**1.49**	**0.69**	**0.6**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17396	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.49	0.66	0.6	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17426	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		0.82	0.36	0.6	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17261	Halls Cave	Kerr	Holocene	Present study	CaW	width of the calcaneum	R			0.64	0.6	Ln (Body mass, g) = 2.928*Ln(CaW, mm)+0.981	0.98	32.4	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17482	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		1.50	0.76	0.6	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16999	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.41			0.6	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17228	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.41			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	2625	6mi E of Austin, Deckker Ranch		Modern	Present study	LM1	length of first lower molar	L		0.20		0.7	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4099	Halls Cave	Kerr	Holocene	Present study	CaW	width of the calcaneum	L			0.66	0.7	Ln (Body mass, g) = 2.928*Ln(CaW, mm)+0.981	0.98	32.4	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17266	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.41			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	8243	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.42			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17419	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.42			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17091	Halls Cave	Kerr	Holocene	Present study	CaW	width of the calcaneum	R			0.66	0.7	Ln (Body mass, g) = 2.928*Ln(CaW, mm)+0.981	0.98	32.4	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17068	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.42			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17020	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.55	0.63	0.7	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4016	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.55	0.70	0.7	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16982	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.42			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17067	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.42			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17155	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.42			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17428	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.80	0.40	0.7	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7440	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.42			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17554	Halls Cave	Kerr	Pleistocene	Present study	FeTDp	roximal end; transverse diameter of proximal femu	R	1.14			0.7	Log(Body mass, g) = 2.217*Log(FeTDp, mm) +0.498	0.98	16.7	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17064	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.86	0.38	0.7	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	8244	Halls Cave	Kerr	Holocene	Present study	FeTDp	roximal end; transverse diameter of proximal femu	R	1.15			0.7	Log(Body mass, g) = 2.217*Log(FeTDp, mm) +0.498	0.98	16.7	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17111	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.43			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17204	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.43			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4753	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.43			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1160	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.43			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17431	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.43			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5923	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.58	0.75	0.7	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17238	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.43			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	2591	Balcones Research Center, Austin	Travis	Modern	Present study	LM1	length of first lower molar	L		0.21		0.7	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2899	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		1.58	0.71	0.7	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals

Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17198	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.58	0.68	0.7	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17555	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.44			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17175	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.44			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17115	Halls Cave	Kerr	Holocene	Present study	CaW	width of the calcaneum	R			0.68	0.7	Ln (Body mass, g) = 2.928*Ln(CaW, mm)+0.981	0.98	32.4	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17250	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.44			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17072	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		0.95	0.35	0.7	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9813	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.44			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9815	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		0.94	0.36	0.7	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17043	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.44			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17427	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		0.83	0.41	0.7	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17071	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.44			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17124	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.44			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9814	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.44			0.7	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17223	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.44			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17070	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.44			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	836	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.44			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	2620	Balcones Research Center,	Travis	Modern	Present study	LM1	length of first lower molar	L		0.21		0.8	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4756	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.44			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17686	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.45			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17491	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.45			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2927	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.45			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	867	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.45			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17049	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		0.96	0.37	0.8	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17186	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.45			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17092	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.45			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17156	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.45			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17022	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.45			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17424	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.45			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9820	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.46			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	930	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.46			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17305	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.46			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1161	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.46			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10354	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.46			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17243	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.46			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	8009	Halls Cave	Kerr	Pleistocene	Present study	FeTDp	roximal end; transverse diameter of proximal femu	L	1.23			0.8	Log(Body mass, g) = 2.217*Log(FeTDp, mm) +0.498	0.98	16.7	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17490	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		0.93	0.39	0.8	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16984	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	R		1.66	0.69	0.8	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17126	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.46			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17298	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.47			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17007	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		0.88	0.42	0.8	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2561	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.47			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17489	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		1.66	0.64	0.8	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2562	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.47			0.8	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17696	Halls Cave	Kerr	Pleistocene	Present study	FeTDp	roximal end; transverse diameter of proximal femu	?	1.25			0.8	Log(Body mass, g) = 2.217*Log(FeTDp, mm) +1.498	0.98	16.7	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**9004**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**AsA**	**cross-sectional area of astragalus**	**R**		**0.96**	**0.39**	**0.9**	**Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633**	**0.98**	**33.4**	**all terrestrial mammals, Table 1; Tsubamoto 2014**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17199	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.67	0.77	0.9	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2878	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.47			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7443	Halls Cave	Kerr	Holocene	Present study	CaW	width of the calcaneum	R			0.72	0.9	Ln (Body mass, g) = 2.928*Ln(CaW, mm)+0.981	0.98	32.4	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17113	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.47			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17023	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.48			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16959	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.48			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2951	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.48			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17163	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.95	0.41	0.9	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	**Leporidae**	***Sylvilagus***	***sp.***	**41229**	**5298**	**Halls Cave**	**Kerr**	Holocene	**Present study**	**CaL**	**length of calcaneum**	**R**		**1.70**	**0.63**	**0.9**	**Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611**	**0.94**	**44.1**	**Tsubamoto 2019. Table 3, land mammals**
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17695	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.48			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17213	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		1.10	0.35	0.9	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17053	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.94	0.42	0.9	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17048	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.49			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17656	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.49			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7441	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.49			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17532	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.49			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5079	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.49			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7430	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.49			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17027	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.49			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	679	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.49			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17192	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.73	0.63	0.9	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17277	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.49			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1354	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.49			0.9	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17207	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		0.92	0.43	1.0	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17507	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.50			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17405	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.50			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17253	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.97	0.42	1.0	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	3588	9 mi NW of Lampasas		Modern	Present study	LM1	length of first lower molar	L		0.23		1.0	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17505	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.50			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17300	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.50			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17212	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.50			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2775	Halls Cave	Kerr	Pleistocene	Present study	CaW	width of the calcaneum	R			0.75	1.0	Ln (Body mass, g) = 2.928*Ln(CaW, mm)+0.981	0.98	32.4	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17639	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.51			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17017	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.76	0.66	1.0	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17407	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		1.01	0.41	1.0	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17538	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		0.92	0.45	1.0	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17848	Halls Cave	Kerr	Pleistocene	Present study	FeTDp	roximal end; transverse diameter of proximal femu	?	1.35			1.0	Log(Body mass, g) = 2.217*Log(FeTDp, mm) +1.498	0.98	16.7	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17678	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.51			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17306	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.51			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17404	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		1.03	0.41	1.0	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014

Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17321	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		0.95	0.44	1.0	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17478	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	R		0.96	0.44	1.0	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17225	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.51			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17553	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.52			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	837	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.52			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16985	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.98	0.43	1.0	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17011	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.52			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17304	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.52			1.0	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17262	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		0.97	0.44	1.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16979	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.52			1.1	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5297	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		1.02	0.42	1.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16956	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.98	0.44	1.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17069	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.97	0.45	1.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	11236	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.52			1.1	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	2630	5 mi east of Austin, Deckier [illegible]		Modern	Present study	HuL	length of humerus	R		5.76		1.1	Log(Body mass, g) = 2.418*Log(HuL, g) -1.221	0.97	22.7	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17403	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		1.03	0.42	1.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17493	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.53			1.1	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2603	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		1.82	0.84	1.1	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17018	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.82	0.75	1.1	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	2711	Balcones Research Center, [illegible]	Travis	Modern	Present study	LM1	length of first lower molar	L		0.23		1.1	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17329	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		1.03	0.43	1.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17279	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.97	0.46	1.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16975	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.96	0.47	1.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17475	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		1.04	0.43	1.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1785	Halls Cave	Kerr	Pleistocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	R	0.54			1.1	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16986	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		1.01	0.45	1.1	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	4615	Unknown		Modern	Present study	LM1	length of first lower molar	L		0.24		1.1	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9988	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.86	0.76	1.2	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17477	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		0.99	0.47	1.2	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17014	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		1.02	0.46	1.2	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9990	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.87	0.76	1.2	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17481	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	R		1.02	0.46	1.2	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17506	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	R		1.03	0.45	1.2	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17016	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		1.01	0.47	1.2	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	988	142	Scharbauer Ranch	Midland	Pleistocene	Present study	AsA	cross-sectional area of astragalus			0.71	0.68	1.2	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16973	Halls Cave	Kerr	Holocene	Present study	CaL	length of calcaneum	L		1.90	0.71	1.2	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17241	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.99	0.49	1.2	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	3434	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		1.05	0.47	1.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17470	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	R		1.02	0.48	1.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	2797	Balcones Research Center, [illegible]	Travis	Modern	Present study	LM1	length of first lower molar	L		0.25		1.3	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17474	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	R		1.09	0.46	1.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17008	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	L		0.98	0.51	1.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17480	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		1.09	0.47	1.4	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4778	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		1.98	0.76	1.4	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17476	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		1.07	0.49	1.4	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17494	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		1.10	0.48	1.4	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17450	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		1.98	0.74	1.4	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17484	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		1.05	0.50	1.4	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1794	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		1.08	0.49	1.4	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17487	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	R		1.11	0.48	1.4	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	3903	6 mi west of Austin		Modern	Present study	LM1	length of first lower molar	L		0.25		1.4	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17479	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		1.99	0.80	1.4	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17372	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L?	0.61			1.4	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17452	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		1.06	0.51	1.5	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10160	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		2.03	0.77	1.5	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17630	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	L		0.93	0.60	1.5	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17510	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		2.05	0.78	1.6	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2850	Halls Cave	Kerr	Pleistocene	Present study	AsA	cross-sectional area of astragalus	R		1.11	0.51	1.6	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1445	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		2.05	0.79	1.6	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17074	Halls Cave	Kerr	Holocene	Present study	HuAPDd	distal end; anterior-posterior diameter of humerus	L	0.63			1.6	Log(Body mass, g) = 2.076*Log(HAPDd, mm) +1.536	0.89	14.9	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10291	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		2.08	0.80	1.6	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17471	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		2.10	0.81	1.7	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17472	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		2.11	0.84	1.7	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17611	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	L		2.12	0.79	1.7	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17465	Halls Cave	Kerr	Pleistocene	Present study	CaL	length of calcaneum	R		2.15	0.78	1.8	Ln(Body mass, g) = 2.969* Ln(CaL, mm) - 1.611	0.94	44.1	Tsubamoto 2019. Table 3, land mammals
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	951	Unknown		Modern	Present study	LM1	length of first lower molar	L		0.29		2.4	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17211	Halls Cave	Kerr	Holocene	Present study	AsW	width of astragalus	L			0.42	2.4	Log(Body mass, g) = 2.722*Log(AsW, mm) +1.67	0.98	37.20	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17013	Halls Cave	Kerr	Holocene	Present study	AsW	width of astragalus	L			0.44	2.7	Log(Body mass, g) = 2.722*Log(AsW, mm) +1.67	0.98	37.20	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	2626	6 mi E of Austin, Deckier [illegible]		Modern	Present study	LM1	length of first lower molar	L		0.32		3.3	Log(Body mass, g) = 3.353*Log(LM1, mm)+1.807	0.87	21.5	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17297	Halls Cave	Kerr	Holocene	Present study	AsA	cross-sectional area of astragalus	R		1.42	0.67	3.4	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.98	33.4	all terrestrial mammals, Table 1; Tsubamoto 2014
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	M	3902	5 mi west of Austin		Modern	Present study	SKL	length of skull	?		6.98						
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17208	Halls Cave	Kerr	Holocene	Present study	Hu	humerus - end ?	R		0.86	0.36		distal or proximal end?	0.97	22.7	Lagomorpha, Table 4; Moncunill-Solé et al. 2015
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar			1.96	3.00	129.4	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar			2.14	2.04	170.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	908	2422	Kincaid Shelter	Uvalde	Pleistocene	Present study	UM3	length of third upper molar	R		2.31	2.20	182.3	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	892	458	Lubbock Lake	Lubbock	Pleistocene	Present study	UM3	length of third upper molar	L		2.33	2.14	187.4	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Brazos river	Brazos	Pleistocene	Present study	M1	length of first molar			2.10	1.56	193.9	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	892	457	Lubbock Lake	Lubbock	Pleistocene	Present study	UM	length of upper molar	L		2.36	2.36	195.2	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	30967	1622	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM	length of upper molar	R		2.38	2.47	200.0	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	5	A	Cameron (Brown-Crawford [illegible]	Milam	Pleistocene	Present study	M	length of molar			2.26	2.39	201.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	42491	1	Sullivans Creek AK		Pleistocene	Present study	UM1	length of first upper molar			2.39	2.73	202.7	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	892	450	Lubbock Lake	Lubbock	Pleistocene	Present study	Mc	metacarpal -1	R		4.23	3.24	214.3	Log(Body mass, kg) = 2.7422*Log(MC2, cm) + 0.6135	0.84	18.0	Perissodactyla, Table 16.7; Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	9	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M3	length of third molar	R		2.48	1.16	220.0	Log(Body mass, kg)= 2.999*Log(LM3, cm) + 1.162	0.99	18.0	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31112	4	Old Glory	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	R		2.21	1.42	230.9	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	30967	974	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM	length of upper molar	R		2.53	2.61	238.8	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Perissodactyla, Table 16.8, Damuth and MacFadden 1990

Perissodactyla	Equiidae	*Equus*	*sp.*	30967	947	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM3	length of third upper molar		2.53	2.08	238.8	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2187	Pittsbridge	Brazos	Pleistocene	Present study	M3	length of third molar		2.55	1.15	239.7	Log(Body mass, kg)= 2.999*Log(LM3, cm) + 1.162	0.99	18.0	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Brazos river	Brazos	Pleistocene	Present study	M2	length of second molar		2.49	2.49	241.5	Log(Body mass, kg)= Average[3.01*Log(LM2, cm) + 1.216, 2.9*LOG(UM2, cm)+1.209]	0.99	16.9	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		Lot 3	Sealy	Austin	Pleistocene	Present study	M	length of molar		2.42	2.49	249.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31058	2	Blanco creek	Goloiad	Pleistocene	Present study	UM1	length of first upper molar	L	2.60	2.78	257.3	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	42	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	L	2.45	1.41	259.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	908	2436	Kincaid Shelter	Uvalde	Pleistocene	Present study	UM3	length of third upper molar	R	2.61	2.13	262.0	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2187	Pittsbridge	Brazos	Pleistocene	Present study	M2	length of second molar		2.56	1.36	263.7	Log(Body mass, kg)= Average[3.01*Log(LM2, cm) + 1.216, 2.9*LOG(UM2, cm)+1.209]	0.99	16.9	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31041	33	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	R	2.31	1.75	264.4	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	4	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	2.48	2.71	267.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	30967	36A	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM	length of upper molar	R	2.63	2.62	267.2	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	25	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	L	2.54	1.87	288.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	908	2319	Kincaid Shelter	Uvalde	Pleistocene	Present study	UM or UP	upper cheek tooth	R	2.70	2.42	288.4	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		W123	Cameron (Batt Pit, 2.5 mi. E	Milam	Pleistocene	Present study	M3	length of third molar		2.72	1.59	292.6	Log(Body mass, kg)= 2.999*Log(LM3, cm) + 1.162	0.99	18.0	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.56	2.53	296.4	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2556	Pittsbridge	Brazos	Pleistocene	Present study	M2	length of second molar		2.68	1.95	301.9	Log(Body mass, kg)= Average[3.01*Log(LM2, cm) + 1.216, 2.9*LOG(UM2, cm)+1.209]	0.99	16.9	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2384	unknown	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	UM1	length of first upper molar	R	2.74	2.98	302.2	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		B	Cameron (Batt Pit, 2.5 mi. E	Milam	Pleistocene	Present study	M	length of molar		2.58	2.29	303.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.59	2.49	307.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.62	3.16	317.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	117 A	Lot 4	Sealy	Austin	Pleistocene	Present study	M3?	length of third molar		2.81	2.49	320.5	Log(Body mass, kg)= 2.999*Log(LM3, cm) + 1.162	0.99	18.0	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31107	26	Old Glory	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	R	2.46	1.62	323.5	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.64	2.82	325.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	15	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	2.64	1.88	326.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	101	3047	n/a	n/a	Pleistocene	Present study	LM2	length of second lower molar		2.70	1.74	326.9	Log(Body mass, kg)= 3.01*Log(LM2, cm) + 1.216	0.99	16.9	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		W123	Cameron (Batt Pit, 2.5 mi. E	Milam	Pleistocene	Present study	M2	length of second molar		2.77	1.72	331.5	Log(Body mass, kg)= Average[3.01*Log(LM2, cm) + 1.216, 2.9*LOG(UM2, cm)+1.209]	0.99	16.9	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Joe Randle Brazos river at	Austin	Pleistocene	Present study	M2	length of second molar		2.79	1.89	339.3	Log(Body mass, kg)= Average[3.01*Log(LM2, cm) + 1.216, 2.9*LOG(UM2, cm)+1.209]	0.99	16.9	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.68	1.74	339.4	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		2819	Quitaque Creek	Motley	Pleistocene	Present study	LM1	length of first lower molar		2.50	1.63	340.2	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.68	1.70	341.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.68	1.88	341.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	30839	35	Morhiss Mound	Victoria	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar	R	2.61	1.49	342.1	Log(Body mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216]	0.99	16.5	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.69	2.96	344.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2586	Pittsbridge	Brazos	Pleistocene	Present study	LM1	length of first lower molar		2.53	2.22	351.6	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.71	3.30	353.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	5	B	Cameron (Brown-Crawford	Milam	Pleistocene	Present study	M	length of molar		2.71	1.75	354.4	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	16	2372	San Felipe	Austin	Pleistocene	Present study	UM1	length of first upper molar	R	2.90	2.72	354.8	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2384	unknown	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	UM2	length of second upper molar	R	2.90	2.88	354.8	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	30967	1770	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM1	length of first lower molar		2.54	1.41	358.3	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		122	Cameron (Batt Pit, 2.5 mi. E	Milam	Pleistocene	Present study	M2	length of second molar		2.84	2.86	358.8	Log(Body mass, kg)= Average[3.01*Log(LM2, cm) + 1.216, 2.9*LOG(UM2, cm)+1.209]	0.99	16.9	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2556	Pittsbridge	Brazos	Pleistocene	Present study	LM1	length of first lower molar	R	2.54	2.09	360.1	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31034	36	O'Brian Ranch	Bee	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar	L	2.66	1.79	361.7	Log(Body mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216]	0.99	16.5	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	28	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	L	2.73	1.99	361.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UM3	length of third upper molar	R?	2.93	2.25	365.5	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	892	223	Lubbock Lake	Lubbock	Pleistocene	Present study	UM2	length of second upper molar	R	2.93	2.08	365.9	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2187	Pittsbridge	Brazos	Pleistocene	Present study	LM1	length of first lower molar		2.56	1.75	366.9	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		121	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar		2.75	2.59	370.4	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		A	Cameron (Batt Pit, 2.5 mi. E	Milam	Pleistocene	Present study	M	length of molar		2.75	2.70	370.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2384	unknown	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	UP3	length of third upper premolar	R	2.51	2.70	371.6	Log(Body mass, kg) = 2.965*Log(LP3, cm) + 1.383	0.96	37.60	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.76	2.93	372.0	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	29	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	L	2.76	1.65	374.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	11	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	2.77	1.80	376.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.77	1.98	377.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31041	198	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	UM1	length of first upper molar	R	2.97	1.88	379.1	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2187	Pittsbridge	Brazos	Pleistocene	Present study	P2	length of second premolar		2.57	1.63	379.8	Log(Body mass, kg)= Average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.79	2.71	384.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2384	unknown	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	UP4	length of fourth upper premolar	R	2.62	2.74	384.2	Log(Body mass, kg) = 3.09*Log(LP4,cm) + 1.29	0.99	21.0	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2196B	unknown	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar		2.79	2.71	386.4	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2223	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.79	1.70	386.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.81	2.92	392.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.81	3.03	394.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UM1	length of first upper molar	L	3.01	3.00	396.7	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31034	112	O'Brian Ranch	Bee	Pleistocene	Present study	LM1	length of first lower molar	L	2.62	1.68	397.4	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.82	1.51	400.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.82	2.61	400.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.82	1.66	401.0	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.83	3.03	401.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		Lot 4	Sealy	Austin	Pleistocene	Present study	P1	length of first premolar		2.62	1.36	402.1	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.83	1.94	402.4	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UM2	length of second upper molar	R	3.03	3.05	402.9	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UM3	length of third upper molar	L	3.03	2.98	402.9	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	16	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	2.84	1.88	409.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.85	2.18	412.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.85	2.48	412.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	24	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	L	2.85	1.58	413.4	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	101	3047	n/a	n/a	Pleistocene	Present study	LM1	length of first lower molar		2.66	1.96	414.1	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.85	2.95	414.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	19	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	2.86	2.12	416.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	13	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	2.86	1.86	417.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.87	2.98	421.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	30967	78	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM3	length of third upper molar	L	3.08	2.31	422.5	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		2370	Sealy	Austin	Pleistocene	Present study	M1	length of first molar		2.68	2.60	422.6	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Cameron	Milam	Pleistocene	Present study	M	length of molar		2.87	1.84	423.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.88	3.10	423.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	52	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	2.88	1.17	424.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990

Perissodactyla	Equiidae	*Equus*	*sp.*	2351	5	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M3	length of third molar	R	3.08	1.34	425.5	Log(Body mass, kg)= 2.999*Log(LM3, cm) + 1.162	0.99	18.0	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.88	1.87	426.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UM2	length of second upper molar	R	3.10	3.14	428.5	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.89	1.81	430.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	46	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	L	2.89	1.89	430.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	43	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M1	length of first molar	L	2.70	1.66	433.2	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Cameron	Milam	Pleistocene	Present study	M	length of molar		2.90	1.92	434.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.90	3.01	436.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31034	75	O'Brian Ranch	Bee	Pleistocene	Present study	LM1	length of first lower molar	L	2.71	2.08	439.9	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	30967	879	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM1	length of first lower molar		2.71	1.39	440.4	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.91	2.79	441.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Joe Panolik Brazos river at [illegible]	Austin	Pleistocene	Present study	M2	length of second molar		3.06	2.80	443.4	Log(Body mass, kg)= Average[3.01*Log(LM2, cm) + 1.216, 2.9*LOG(UM2, cm)+1.209]	0.99	16.9	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.92	1.94	445.0	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	30967	390	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM1	length of first lower molar	R	2.72	1.64	445.6	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.93	1.92	447.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.93	1.96	448.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.93	1.95	449.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.93	1.63	449.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	23	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	L	2.93	1.81	450.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	16	2371	San Felipe	Austin	Pleistocene	Present study	M1	length of first molar	L	2.73	1.48	450.9	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2368	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.94	2.34	452.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Cameron	Milam	Pleistocene	Present study	M	length of molar		2.94	1.77	454.0	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2222	Pittsbridge	Brazos	Pleistocene	Present study	M1	length of first molar		2.74	1.67	458.3	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.95	3.10	458.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	8	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	P1	length of first premolar	R	2.74	1.28	459.4	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Cameron	Milam	Pleistocene	Present study	M	length of molar		2.95	2.77	460.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.95	2.76	460.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.96	3.14	463.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.97	1.74	466.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.97	3.16	467.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	101	3047	n/a	n/a	Pleistocene	Present study	LP4	length of fourth lower premolar		2.80	2.15	471.1	Log(Body mass, kg) = 3.09*Log(LP4, cm) + 1.29	0.99	21.0	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	A103	Pittsbridge	Brazos	Pleistocene	Present study	P1	length of first premolar	R?	2.77	2.04	472.2	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		2.98	3.03	473.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		2.99	2.76	475.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Cameron	Milam	Pleistocene	Present study	M	length of molar		2.99	2.98	479.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	3	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M2	length of second molar	L	3.14	3.16	482.2	Log(Body mass, kg)= Average[3.01*Log(LM2, cm) + 1.216, 2.9*LOG(UM2, cm)+1.209]	0.99	16.9	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.00	1.54	483.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.00	1.72	483.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.00	2.98	483.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.00	3.03	483.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.00	1.67	483.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UM1	length of first upper molar	R	3.23	3.52	484.9	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	33	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	L	3.00	1.60	485.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2271	-999	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar		3.02	1.95	491.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	892	223	Lubbock Lake	Lubbock	Pleistocene	Present study	UM1	length of first upper molar	R	3.28	2.12	504.8	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	11	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	3.05	2.84	506.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.05	3.28	508.4	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.06	1.72	511.0	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.06	1.73	511.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	30	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	L	3.06	1.61	511.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.06	2.81	513.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P1	length of first premolar		2.84	1.38	514.2	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	n/a	n/a	n/a	Texas	Pleistocene	Present study	M1	length of first molar		2.85	1.72	515.4	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.07	2.17	517.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UM1	length of first upper molar	R	3.30	3.06	517.9	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.07	2.14	518.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	40685	2258	Zesch Cave	Mason	Pleistocene	Present study	UM3	length of third upper molar	L	3.31	2.77	521.1	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	51	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	P1	length of first premolar	R	2.86	1.37	521.9	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	101	3047	n/a	n/a	Pleistocene	Present study	LM3	length of third lower molar		3.30	1.40	522.6	Log(Body mass, g) = 2.999*Log(LM3, mm) + 1.162	0.99	18.0	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2373	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.09	2.96	526.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Cameron	Milam	Pleistocene	Present study	M	length of molar		3.09	2.42	527.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.09	1.99	529.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		Lot 4	Brazos river	Brazos	Pleistocene	Present study	M1	length of first molar		2.87	1.58	529.4	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2351	10	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	3.09	1.67	530.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		W123	Cameron (Batt Pit, 2.5 mi. E Cameron)	Milam	Pleistocene	Present study	M1	length of first molar		2.88	1.99	534.7	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.10	3.06	535.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.11	1.86	540.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		W123	Cameron (Batt Pit, 2.5 mi. E Cameron)	Milam	Pleistocene	Present study	P3	length of third premolar		2.86	2.04	544.7	Log(Body mass, kg) = 2.965*Log(LP3, cm) + 1.383	0.96	37.60	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.12	1.83	545.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	40531	-999	gravel bar at mouth of little Brazos river	Brazos	Pleistocene	Present study	LM2	length of second lower molar		3.20	1.52	546.2	Log(Body mass, kg)= 3.01*Log(LM2, cm) + 1.216	0.99	16.9	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.12	2.75	546.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	908	2372	Kincaid Shelter	Uvalde	Pleistocene	Present study	M	length of molar		3.13	2.40	551.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	31107	34	Old Glory	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	R	2.91	1.49	552.0	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P	length of premolar		2.92	1.56	554.6	Log(Body mass, kg)= Average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.14	2.76	556.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.14	1.64	556.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.14	2.73	558.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	41633	1	Gravel pit near Hearne TX,		Pleistocene	Present study	LM1	length of first lower molar	R?	2.92	1.91	558.7	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	40279	107	Longhorn Cave	Burnet	Pleistocene	Present study	UM	length of upper molar	R	3.40	3.13	560.3	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.15	1.73	561.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Cameron	Milam	Pleistocene	Present study	M	length of molar		3.15	1.77	562.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.15	2.62	562.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	30967	401	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM3	length of third upper molar	R	3.41	2.37	567.5	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	2271	-999	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	P	length of premolar		2.94	3.27	568.5	Log(Body mass, kg)= Average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.17	2.17	572.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Cameron	Milam	Pleistocene	Present study	P	length of premolar		2.95	1.40	572.1	Log(Body mass, kg)= Average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.17	1.66	573.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.19	2.03	581.0	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	908	2299	Kincaid Shelter	Uvalde	Pleistocene	Present study	d?LP3	length of lower third premolar	R	2.96	1.69	582.1	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equiidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P	length of premolar		2.96	2.28	582.7	Log(Body mass, kg)= Average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990

Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.19	1.73	583.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.19	3.01	586.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	30967	312	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM3	length of third upper molar	R	3.45	2.41	587.1	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.20	3.09	589.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2187	Pittsbridge	Brazos	Pleistocene	Present study	P1	length of first premolar		2.98	1.54	594.7	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.21	3.46	596.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	30839	64	Morhiss Mound	Victoria	Pleistocene	Present study	LM1	length of first lower molar	L	2.98	2.00	598.0	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31034	86	O'Brian Ranch	Bee	Pleistocene	Present study	LM1	length of first lower molar		2.98	2.06	598.0	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	892	299	Lubbock Lake	Lubbock	Pleistocene	Present study	M3	length of third molar		3.46	1.39	598.1	Log(Body mass, kg)= 2.999*Log(LM3, cm) + 1.162	0.99	18.0	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.22	1.99	600.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.22	3.29	600.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		Lot 4	Brazos river	Brazos	Pleistocene	Present study	M1	length of first molar		3.00	1.74	606.4	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31041	2	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	R	3.00	2.07	609.0	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UM1	length of first upper molar	L	3.50	3.43	611.1	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P1	length of first premolar		3.01	1.51	612.9	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	2271	-999	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	P1	length of first premolar		3.02	1.35	616.6	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.25	1.58	618.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31112	47	Old Glory	Stonewall	Pleistocene	Present study	LM2	length of second lower molar	L	3.34	1.47	619.0	Log(Body mass, kg)= 3.01*Log(LM2, cm) + 1.216	0.99	16.9	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	-999	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.25	1.56	620.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	2351	22	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	3.26	2.00	622.4	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.26	2.08	624.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.26	2.83	624.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2556	Pittsbridge	Brazos	Pleistocene	Present study	M3	length of third molar		3.51	1.73	626.1	Log(Body mass, kg)= 2.999*Log(LM3, cm) + 1.162	0.99	18.0	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	908	2369	Kincaid Shelter	Uvalde	Pleistocene	Present study	M	length of molar		3.26	2.31	626.6	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	908	2455	Kincaid Shelter	Uvalde	Pleistocene	Present study	d ?UP3	length of decidous upper third premolar	L	3.04	1.68	627.8	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.27	2.08	629.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	2271	-999	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	P	length of premolar		3.04	3.01	631.0	Log(Body mass, kg)= Average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.27	2.52	631.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.28	2.51	633.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31108	115	Old Glory	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	R	3.04	2.08	637.9	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.28	1.72	638.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.30	2.09	646.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	2351	12	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	3.30	1.86	648.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		Lot 4	Sealy	Austin	Pleistocene	Present study	P1	length of first premolar		3.07	1.55	648.7	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	2351	20	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar	R	3.31	2.12	651.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.31	2.79	651.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	101	3047	n/a	n/a	Pleistocene	Present study	LP3	length of third lower premolar		3.05	2.26	656.5	Log(Body mass, kg) = 2.965*Log(LP3, cm) + 1.383	0.96	37.60	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		3047	Quitaque Creek	Motley	Pleistocene	Present study	AsA	cross-sectional area of astragalus		5.83	6.02	660.3	Log(Body mass, g) = 1.463*Log(AsA, mm) + 0.633	0.97	47.5	all terrestrial mammals, Table 1; Tsubamoto 2014
Perissodactyla	Equidae	*Equus*	*sp.*	31108	30	Old Glory	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	R	3.09	1.84	667.0	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	933	1284	Friesenhahn Cave	Bexar	Pleistocene	Present study	P	length of premolar	R	3.10	3.46	668.0	Log(Body mass, kg)= Average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.34	1.89	670.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.34	2.80	673.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	-999	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.36	2.82	684.5	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	2196L	unknown	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	M	length of molar		3.37	2.96	691.4	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.38	2.94	697.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	2351	6	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	P1	length of first premolar	R	3.15	1.39	700.5	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.40	2.19	711.9	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P	length of premolar		3.17	2.41	712.7	Log(Body mass, kg)= Average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	998	1	Scharbauer Ranch	Midland	Pleistocene	Present study	LM1	length of first lower molar	R	3.17	2.04	725.9	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Brazos river	Brazos	Pleistocene	Present study	P1	length of first premolar		3.19	2.05	728.4	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		Lot 4	Brazos river	Brazos	Pleistocene	Present study	M1	length of first molar		3.19	1.84	736.9	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	M	length of molar		3.44	2.01	738.0	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	40545? Or	-999	Joe Paholik Brazos river at san felipe, 1836	Austin	Pleistocene	Present study	M1	length of first molar		3.19	1.82	739.1	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	30967	410	Ingleside	San Patricio	Pleistocene	Present study	LM3	length of third molar	L	3.72	1.68	744.1	Log(Body mass, kg)= 2.999*Log(LM3, cm) + 1.162	0.99	18.0	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	30967	1328	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM3	length of third upper molar		3.75	2.67	747.6	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.46	3.05	749.3	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	2271	-999	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	P1	length of first premolar		3.22	1.53	749.4	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.46	3.13	750.0	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P	length of premolar		3.23	1.56	754.3	Log(Body mass, kg)= Average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Joe Paholik Brazos river at san felipe, 1836	Austin	Pleistocene	Present study	M2	length of second molar		3.66	2.83	757.4	Log(Body mass, kg)= Average[3.01*Log(LM2, cm) + 1.216, 2.9*LOG(UM2, cm)+1.209]	0.99	16.9	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	892	223	Lubbock Lake	Lubbock	Pleistocene	Present study	UM3	length of third upper molar	R	3.79	1.87	771.0	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	2351	53	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	P1	length of first premolar	R	3.26	1.36	777.2	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31041	33	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	LP2 (said LP1)	length of second lower premolar	L	3.29	1.78	777.8	Log(Body mass, kg) = 2.637*Log(LP2, cm) + 1.527	0.84	88.6	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31041	116	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	R	3.24	2.40	779.8	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P1	length of first premolar		3.29	1.53	801.9	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	908	2295	Kincaid Shelter	Uvalde	Pleistocene	Present study	LP3	length of third lower premolar	R	3.26	2.06	803.0	Log(Body mass, kg) = 2.965*Log(LP3, cm) + 1.383	0.96	37.60	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	1924	Pittsbridge	Brazos	Pleistocene	Present study	P3	length of third premolar		3.26	1.71	803.7	Log(Body mass, kg) = 2.965*Log(LP3, cm) + 1.383	0.96	37.60	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UP3	length of third upper premolar	R	3.27	3.51	811.0	Log(Body mass, kg) = 2.965*Log(LP3, cm) + 1.383	0.96	37.60	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.55	2.38	813.1	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Hearne gravel pits	Robertson	Pleistocene	Present study	M	length of molar		3.55	3.09	813.8	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P1	length of first premolar		3.36	1.56	848.5	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UP3	length of third upper premolar	L	3.34	3.33	859.0	Log(Body mass, kg) = 2.965*Log(LP3, cm) + 1.383	0.96	37.60	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	908	2455	Kincaid Shelter	Uvalde	Pleistocene	Present study	d ?UP2	length of decidous upper second premolar	L	3.38	1.49	863.9	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	30839	133	Morhiss Mound	Victoria	Pleistocene	Present study	LM1 or LM2	length of first or second lower molar	L	3.54	1.54	881.5	Log(Body mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216]	0.99	16.5	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	30967	1770	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	length of third lower molar		3.96	1.32	900.5	Log(Body mass, g) = 2.999*Log(LM3, mm) + 1.162	0.99	18.0	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		-999	Cameron	Milam	Pleistocene	Present study	M	length of molar		3.68	2.52	909.2	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	2351	39	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	P1	length of first premolar	R	3.46	1.61	930.6	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	40685	2259	Zesch Cave	Mason	Pleistocene	Present study	LP2	length of second lower premolar	L	3.61	1.59	992.7	Log(Body mass, kg) = 2.637*Log(LP3, cm) + 1.527	0.84	88.6	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	908	2434	Kincaid Shelter	Uvalde	Pleistocene	Present study	LP4	length of fourth lower premolar	L	3.60	1.26	1,017.4	Log(Body mass, kg) = 3.09*Log(LP4, cm) + 1.29	0.99	21.0	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P1	length of first premolar		3.63	2.57	1,071.4	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P	length of premolar		3.63	2.44	1,075.0	Log(Body mass, kg)= Average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*		C	Cameron (Batt Pit, 2.5 mi. E Cameron)	Milam	Pleistocene	Present study	P1	length of first premolar		3.65	1.50	1,091.2	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UP2	length of second upper premolar	R	3.67		1,111.3	Log(Body mass, kg)= vaerage[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	40531	-999	gravel bar at mouth of little Brazos river	Brazos	Pleistocene	Present study	LP2 (said LP1)	length of second lower premolar		3.78	1.86	1,118.5	Log(Body mass, kg) = 2.637*Log(LP2, cm) + 1.527	0.84	88.6	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UP2	length of second upper premolar	L	3.71	3.12	1,144.6	Log(Body mass, kg)= vaerage[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	101	3047	n/a	n/a	Pleistocene	Present study	LP2	length of second lower premolar		3.99	2.14	1,290.1	Log(Body mass, kg) = 2.637*Log(LP3, cm) + 1.527	0.84	88.6	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	908	2297	Kincaid Shelter	Uvalde	Pleistocene	Present study	UP2	length of second upper premolar	R	4.08	2.42	1,536.9	Log(Body mass, kg)= vaerage[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	31108	82	Old Glory	Stonewall	Pleistocene	Present study	UP1	length of first upper premolar	L	4.10	2.18	1,549.4	Log(Body mass, kg)= Average[2.965*Log(LP3, cm) + 1.383, 3.09*LOG(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P1	length of first premolar		4.12	2.70	1,573.6	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P1	length of first premolar		4.14	2.74	1,595.7	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Equidae	*Equus*	*sp.*	3	2352	Pittsbridge	Brazos	Pleistocene	Present study	P1	length of first premolar		4.21	2.90	1,683.7	Log(Body mass, kg)= average[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4)+1.29]			Table 16.8, Damuth and MacFadden 1990

Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	804	83	Montell shelter	Uvalde	Pleistocene	Present study	UM	length of upper molar				2.37	2.03	197.8	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	3	2219	Pittsbridge	Brazos	Pleistocene	Present study	UM1	length of first upper molar				2.38	2.52	200.0	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	43407	43	Honey Creek Cave	Mason	Pleistocene	Present study	LM or P	length of lower cheek tooth	L			2.32	1.59	217.7	y mass, kg)=average[3.187*Log(LM1, cm) + 1.264, 3.01*Log(LM2, cm) + 1.216, 2.99*Log(LM3, cm	0.99	16.5	Perissodactyla, Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	40449	460	Levi Shelter	Travis	Pleistocene	Present study	UP2	length of second upper premolar	R			2.22	2.08	241.5	Log(Body mass, kg)= vaerage[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	3	2219	Pittsbridge	Brazos	Pleistocene	Present study	UM2	length of second upper molar				2.58	2.83	253.6	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	40449	134	Levi Shelter	Travis	Pleistocene	Present study	UP2	length of second upper premolar	L			2.30	1.96	272.0	Log(Body mass, kg)= vaerage[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	31024	1	Caldwell	Culberson	Pleistocene	Present study	LM1	length of first lower molar	L			2.36	1.80	282.3	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	30967	1237	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM1	length of first lower molar	L			2.42		307.1	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	3	2554	Pittsbridge	Brazos	Pleistocene	Present study	LM1	length of first lower molar				2.43	3.05	310.3	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	43407	unknown	Honey Creek Cave	Mason	Pleistocene	Present study	M	length of molar				2.89	2.13	542.4	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	933	973	Friesenhahn cave	Bexar	Pleistocene	Present study	UP2	length of second upper premolar	L			2.31	2.20	273.4	Log(Body mass, kg)= vaerage[2.965*Log(LP3, cm) + 1.383, 3.09*Log(LP4, cm)+1.29]			Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	933	972	Friesenhahn cave	Bexar	Pleistocene	Present study	UM2	length of second upper molar	L			2.80	2.40	319.1	Log(Body mass, kg) = 2.9*Log(UM2,cm) + 1.209	0.96	30.5	Table 16.8, Damuth and MacFadden 1990
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	933	370	Friesenhahn cave	Bexar	Pleistocene	Present study	LM1	length of first lower molar	L			2.47	1.74	326.0	Log(Body mass, kg) = 3.187*Log(LM1,cm) + 1.264	0.99	16.5	Table 16.8, Damuth and MacFadden 1990
Pilosa	*indet.*	*sloth*	*sp.*	31041	76	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	FeMAPC	midshaft anteroposterior circumference of femur			20.3			1,270.2	Log(body mass, g) = 2.87355*Log(FeMAPC, mm) +-0.52682	0.98	na	All mammals; Present Study
Pilosa	Megalonychidae	*Megalonyx*	*jeffersoni*	30967	1407	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	HuL	length of humerus	R			47.20		568.0	Log(Body mass, g) = 2.79712*Log(HuL, g) -1.72502	0.96		All mammals; Present Study
Pilosa	Megalonychidae	*Megalonyx*	*jeffersoni*	30967	1290	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	HuL	length of humerus				47.60		581.5	Log(Body mass, g) = 2.79712*Log(HuL, g) -1.72502	0.96		All mammals; Present Study
Pilosa	Megalonychidae	*Megalonyx*	*jeffersoni*	43059	308	Wight Materials North		Pleistocene	Present study	HuMAPD	midshaft anteroposterior diameter of humerus	L	6.76				1,204.2	Log(Body mass, g) = 2.66975*Log(HuMAPD*Pi, g) -0.13193	0.98		All mammals; Present Study
Pilosa	Megalonychidae	*Megalonyx*	*jeffersoni*	43059	303	Wight Materials North		Pleistocene	Present study	FeHD	proximal end; diameter of femoral head	R			14.10	7.46					
Pilosa	Megalonychidae	*Megalonyx*	*jeffersoni*	43059	307	Wight Materials North		Pleistocene	Present study	HuHD	proximal end; diameter of humerus head	L			13.38	9.62					
Pilosa	Megalonychidae	*Megalonyx*	*jeffersoni*	43059	311	Wight Materials North		Pleistocene	Present study	HuHD	proximal end; diameter of humerus head	R			10.37	7.57					
Pilosa	Megalonychidae	*Megalonyx*	*jeffersoni*	43059	510	Wight Materials North (Bluntzer)		Pleistocene	Present study	TiHD	proximal end; diameter of tibia	R			13.15	9.69					
Pilosa	Megalonychidae	*Megalonyx*	*jeffersoni*	30967	1231	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	TiL	length of tibia				31.00						
Pilosa	Megatheriidae	*Eremotherium*	*sp.*	41075	10	Stanley E. Smith	Calhoun	Pleistocene	lonald and Lundelius :	HuL	length of humerus				79.00		2,398.8	Log(Body mass, g) = 2.79712*Log(HuL, g) -1.72502	0.96		All mammals; Present Study
Pilosa	Megatheriidae	*Eremotherium*	*sp.*	3	4000	Pittsbridge	Brazos	Pleistocene	Present study	LM1	length of first lower molar				4.25	3.60					
Pilosa	Megatheriidae	*Eremotherium*	*sp.*	31141	6	Stanley E. Smith	Calhoun	Pleistocene	lonald and Lundelius :	M	molar					3.60					
Pilosa	Megatheriidae	*Eremotherium*	*sp.*	31141	71	Stanley E. Smith	Calhoun	Pleistocene	lonald and Lundelius :	M	molar					3.52					
Pilosa	Mylodontidae	*Mylodon*	*sp.*	31052	3	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humeru	R		30.5			3,166.1	Log(Body mass, g) = 2.66975*Log(HuMAPC, g) -0.13193	0.98		All mammals; Present Study
Pilosa	Mylodontidae	*Mylodon*	*sp.*	31108	72	Old Glory	Stonewall	Pleistocene	Present study	LM1	length of first lower molar	L			3.13	2.20					
Pilosa	Mylodontidae	*Mylodon*	*sp.*	31041	63	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	M	molar				3.87	2.55					
Pilosa	Mylodontidae	*Mylodon*	*sp.*	31108	47	Old Glory	Stonewall	Pleistocene	Present study	UM1	first upper molar	R			2.94	1.64					
Pilosa	Mylodontidae	*Paramylodon*	*harlani*	43059	325	Wight Materials North		Pleistocene	Present study	HuMAPD	midshaft anteroposterior diameter of humerus	R	9.10				2,662.8	Log(Body mass, g) = 2.66975*Log(HuMAPD*Pi, g) -0.13193	0.98		All mammals; Present Study
Pilosa	**Mylodontidae**	***Paramylodon***	***harlani***	**31052**	**11**	**Salt Fork Brazos River**	**Stonewall**	Pleistocene	**Present study**	**FeMAPC**	**midshaft anteroposterior circumference of femur**	**L**		**46.2**			**13,494.7**	**Log(body mass, g) = 2.87355*Log(FeMAPC, mm) +-0.52682**	**0.98**	**na**	**All mammals; Present Study**
Pilosa	Mylondontidae	*Paramylodon*	*harlani*	30967	1428	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	FeL	length of femur	L			47.60		408.9	Log(Body mass, g) = 2.90786*Log(FeL, mm) -2.17447	0.94	na	All mammals; Present Study
Pilosa	Mylondontidae	*Paramylodon*	*harlani*	30967	666	Ingleside	San Patricio	Pleistocene	Present study	HuL	length of humerus	R			44.20		472.7	Log(Body mass, g) = 2.79712*Log(HuL, g) -1.72502	0.96		All mammals; Present Study
Pilosa	Mylondontidae	*Paramylodon*	*harlani*	30967	1414	Ingleside	San Patricio	Pleistocene	Present study	HuL	length of humerus	R			45.20		503.2	Log(Body mass, g) = 2.79712*Log(HuL, g) -1.72502	0.96		All mammals; Present Study
Pilosa	Mylondontidae	*Paramylodon*	*harlani*	30967	1845	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	FeL	length of femur	L			52.00		528.8	Log(Body mass, g) = 2.90786*Log(FeL, mm) -2.17447	0.94	na	All mammals; Present Study
Pilosa	Mylondontidae	*Paramylodon*	*harlani*	30967	1421	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	FeMAPD, FeB	t anteroposterior diameter of femur; width across c	R	15.90			17.60	842.9	Log(body mass, g) = 2.87355*Log(FeMAPC, mm) +-0.52683	0.98	na	All mammals; Present Study
Pilosa	Mylondontidae	*Paramylodon*	*harlani*	30967	420	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	FeMAPD, FeB	t anteroposterior diameter of femur; width across c	L	16.20			18.00	899.1	Log(body mass, g) = 2.87355*Log(FeMAPC, mm) +-0.52682	0.98	na	All mammals; Present Study
Pilosa	Mylondontidae	*Paramylodon*	*harlani*	30967	504	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	SKL	length of skull	--			50.20						
Pilosa	Mylondontidae	*Paramylodon*	*harlani*	30967	521	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	SKL	length of skull	--			50.00						
Pilosa	Mylondontidae	*Paramylodon*	*harlani*	30967	1813	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	SKL	length of skull				49.40						
Pilosa	Mylondontidae	*Paramylodon*	*harlani*	43067	24	Avenue site	Travis	Pleistocene	Lundelius 1992	UM2 or LM1	molar				2.67	1.79					
Pilosa	Nothrotheriidae	*Nothrotheriops*	*sp.*	43059	302	Wight Materials North		Pleistocene	Present study	FeB	distal end; breadth of epicondyles of femur	R			20.50	9.22	471.2	Log(Body mass, kg)= 2.782*Log(FeB, cm) - .0107	0.94	22.0	ungulates, Table 16.7; Damuth and MacFadden 1990
Pilosa	Nothrotheriidae	*Nothrotheriops*	*sp.*	43059	314	Wight Materials North		Pleistocene	Present study	HuHD	proximal end; diameter of humerus head	R			10.36	8.17					
Pilosa	Nothrotheriidae	*Nothrotheriops*	*sp.*	43059	511	Wight Materials North (Bluntzer)		Pleistocene	Present study	TiB	distal end; breadth of tibia	R			11.09	5.33					
Pilosa	Nothrotheriidae	*Nothrotheriops*	*sp.*	43059	513	Wight Materials North (Bluntzer)		Pleistocene	Present study	TiB	distal end; breadth of tibia	L			11.15	4.86					
Pilosa	Nothrotheriidae	*Nothrotherium*	*sp.*	31137	5	Old Glory	Stonewall	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus				16.40		2,934.6	Log(Body mass, kg) = 2.6454*Log(HuEB, cm) +0.2538	0.96	19.0	Artiodactyla; Table 16.7; Damuth and McFadden 1990
Proboscidea	Elephantidae	*indet.*	*sp.*	30967	545	Ingleside	San Patricio	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	14.2		20.6	18.9		4,271.2	Log(Body mass, kg) = 2.6454*Log(HuEB, cm) +0.2538	0.96	19.0	Artiodactyla; Table 16.7; Damuth and McFadden 1990
Proboscidea	Elephantidae	*indet.*	*sp.*	31030	22	Valley Farms	Navarro	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus	R	12		20.5	20.1	5,295.6	Log(Body mass, kg) = 2.6454*Log(HuEB, cm) +0.2538	0.96	19.0	Artiodactyla; Table 16.7; Damuth and McFadden 1990
Proboscidea	Elephantidae	*indet.*	*sp.*	801	1B	Reagan Gravel Pit	Howard	Pleistocene	Present study	M	molar				20.4	10.7					
Proboscidea	Elephantidae	*Mammut*	*americanum*	40481	1	Borrego Creek	Atascosa	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humerus			45.5			7,507.6	Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	668	Ingleside	San Patricio	Pleistocene	Present study	FeMAPC	midshaft anteroposterior circumference of femur			45.5			7,799.8	Log(body mass, kg) = 2.07*Log(FeMAPC, mm) +-1.61	0.95	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammut*	*americanum*	16	2138	San Felipe	Austin	Pleistocene	Present study	BM	third molar ? biggest molar				16.21	8.45					
Proboscidea	Elephantidae	*Mammut*	*americanum*	137	2149	Trinity River	Dallas	Pleistocene	Present study	BM	third molar ? biggest molar				17.1	9					
Proboscidea	Elephantidae	*Mammut*	*americanum*	3	2150	Pittsbridge	Brazos	Pleistocene	Present study	BM	third molar ? biggest molar				15.2	9.71					
Proboscidea	Elephantidae	*Mammut*	*americanum*	137	2154	Trinity River	Dallas	Pleistocene	Present study	BM	third molar ? biggest molar				20.6	10.5					
Proboscidea	Elephantidae	*Mammut*	*americanum*	14	2178	Valley Junction Gravel Pit	Robertson	Pleistocene	Present study	BM	third molar ? biggest molar				16.48	9.46					
Proboscidea	Elephantidae	*Mammut*	*americanum*	830?	2166-x	Brazos river	Brazos	Pleistocene	Present study	BM	big proboscidean molar				16.55	8.78					
Proboscidea	Elephantidae	*Mammut*	*americanum*	14	2178-x	Valley Junction Gravel Pit	Robertson	Pleistocene	Present study	BM	third molar ? biggest molar				18.36	10.16					
Proboscidea	Elephantidae	*Mammut*	*americanum*	2271	2239A	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	BM	big proboscidean molar				17.65	9.43					
Proboscidea	Elephantidae	*Mammut*	*americanum*	n/a	n/a	n/a	n/a	Pleistocene	Present study	BM	third molar ? biggest molar	L			16.86	8.8					
Proboscidea	Elephantidae	*Mammut*	*americanum*	n/a	n/a	n/a	n/a	Pleistocene	Present study	BM	third molar ? biggest molar				11.12	7.88					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	50	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	third lower molar	L			18.5	10.4					
Proboscidea	Elephantidae	*Mammut*	*americanum*	43067	104	Avenue site	Travis	Pleistocene	Present study	LM3	third molar	L			21.4	9.5					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	338	Ingleside	San Patricio	Pleistocene	Present study	LM3	third molar	L			16.69	10.69					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	339	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	third lower molar	R			16.8	9.3					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	352	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	third lower molar	R			20	10.6					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	414	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	third lower molar	R			19.8	10.2					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	591	Ingleside	San Patricio	Pleistocene	Present study	LM3	third molar	L			20	11					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	728	Ingleside	San Patricio	Pleistocene	Present study	LM3	third molar	L			19.09	10					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	904	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	third lower molar	R			18.3	9.6					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	1650	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	third lower molar	R			19.5	10					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	793	Ingleside	San Patricio	Pleistocene	Present study	M	molar				15.8	8.7					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	899	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	M1	first molar				8.4	7.4					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	1611	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	M1	first molar				7.7	6.5					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	159	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	M2	second molar				10.6	8.2					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	247	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	M2	second molar				12.5	9.5					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	470	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	M2	second molar				11.5	9.3					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	525	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	M2	second molar				11.2	8.5					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	727	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	M2	second molar				11.3	8.9					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	980	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	M2	second molar				11.1	8.8					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	1606	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	M2	second molar				10.8	8.9					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30901	26	Wallace Farm	Live Oak	Pleistocene	Present study	M3	third molar	R			21.4	9.7					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30901	26	Wallace Farm	Live Oak	Pleistocene	Present study	M3	third molar	L			19.6	9.5					
Proboscidea	Elephantidae	*Mammut*	*americanum*	137	-999	Trinity River	Dallas	Pleistocene	Present study	SM	small proboscidean molar				12	8.1					
Proboscidea	Elephantidae	*Mammut*	*americanum*	2271	2143	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	SM	small proboscidean molar				12.4	9.4					
Proboscidea	Elephantidae	*Mammut*	*americanum*	137	2147	Trinity River	Dallas	Pleistocene	Present study	SM	small proboscidean molar				9.6	7.15					
Proboscidea	Elephantidae	*Mammut*	*americanum*	137	2154	Trinity River	Dallas	Pleistocene	Present study	SM	small proboscidean molar				9.48	7.19					
Proboscidea	Elephantidae	*Mammut*	*americanum*	15	2158	Big Bend of the Brazos	Austin	Pleistocene	Present study	SM	small proboscidean molar				12.06	8.65					
Proboscidea	Elephantidae	*Mammut*	*americanum*	157	2159	Clay Farm	Grimes	Pleistocene	Present study	SM	small proboscidean molar				9.83	7.4					
Proboscidea	Elephantidae	*Mammut*	*americanum*	830?	2166	Brazos river	Brazos	Pleistocene	Present study	SM	small proboscidean molar				11.33	8.73					
Proboscidea	Elephantidae	*Mammut*	*americanum*	14	2179	Valley Junction Gravel Pit	Robertson	Pleistocene	Present study	SM	small proboscidean molar				8.9	7.45					

Proboscidea	Elephantidae	*Mammut*	*americanum*	200	2193	Brazos river	Waller	Pleistocene	Present study	SM	small proboscidean molar				11.82	8.57					
Proboscidea	Elephantidae	*Mammut*	*americanum*	137	2231	Trinity River	Dallas	Pleistocene	Present study	SM	small proboscidean molar				11.64	8.67					
Proboscidea	Elephantidae	*Mammut*	*americanum*	2271	2239B	Cameron (Curry Gravel Pit)	Milam	Pleistocene	Present study	SM	small proboscidean molar				13.1	9.9					
Proboscidea	Elephantidae	*Mammut*	*americanum*	43067	103	Avenue site	Travis	Pleistocene	Present study	UM2 orUM3	molar	L			19.6	9.5					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	119	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM3	third upper molar				17.4	9.1					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	773	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM3	third upper molar				16.3	9.1					
Proboscidea	Elephantidae	*Mammut*	*americanum*	30968	985	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	UM3	third upper molar				16.7	9.7					
Proboscidea	**Elephantidae**	***Mammuthus***	*sp.*	**31037**	**1**	**Roxtom**	**Lamar**	Pleistocene	**Present study**	**HuMAPC**	**midshaft anteroposterior circumference of humer**	**R**		**34.3**			**4,194.7**	**Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60**	**0.99**	**na**	**Table 1, Jukar et al. 2018**
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	n/a	n/a	n/a	n/a	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humerus			36			4,634.3	Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30901	5	Wallace Farm	Live Oak	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humerus			37.5			5,040.9	Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	33	Ingleside	San Patricio	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus		13	38.5	20.2	20.3	5,093.0	Log(Body mass, kg) = 2.6454*Log(HuEB, cm) +0.2538	0.96	19.0	Artiodactyla; Table 16.7; Damuth and McFadden 1990
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	n/a	40032	n/a	n/a	Pleistocene	Present study	HuEB	distal end; breadth of epicondyles of humerus		18.73		20.3	20.5	5,160.0	Log(Body mass, kg) = 2.6454*Log(HuEB, cm) +0.2538	0.96	19.0	Artiodactyla; Table 16.7; Damuth and McFadden 1990
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31034	78	O'Brian Ranch	Bee	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humeru	o		41			6,058.1	Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31055	4	Carlile Well 2	Stonewall	Pleistocene	Present study	FeMAPC	midshaft anteroposterior circumference of femur		15	41.5			6,447.0	Log(body mass, kg) = 2.07*Log(FeMAPC, mm) +-1.61	0.95	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1468	Ingleside	San Patricio	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humeru	R	19.5	43.7	20.6	16.3	6,908.6	Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30905	2	Reagan Gravel Pit	Live Oak	Pleistocene	Present study	FeMAPC	midshaft anteroposterior circumference of femur	L		43.7			7,174.6	Log(body mass, kg) = 2.07*Log(FeMAPC, mm) +-1.61	0.95	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	41863	1	Kocurek Gravel Pit	Williamson	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humerus			44.6			7,204.9	Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1486	Ingleside	San Patricio	Pleistocene	Present study	FeMAPC	midshaft anteroposterior circumference of femur			44.6			7,483.8	Log(body mass, kg) = 2.07*Log(FeMAPC, mm) +-1.61	0.95	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30901	24	Wallace Farm	Live Oak	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humeru	R		45.6			7,541.7	Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1799	Ingleside	San Patricio	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humerus			47			8,026.4	Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	937	5	Blackwater Draw	near Portal, NM	Pleistocene	Lundelius 1972b	HuL	overall length of humerus			114			8,127.3	Log(Body mass) = 2.635*Log(HuL) -4.145	0.9801	6.74	Christiansen 2004
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31034	79	O'Brian Ranch	Bee	Pleistocene	Present study	FeMAPC	midshaft anteroposterior circumference of femur	R	14.34	39			8,293.4	Log(body mass, g) = 2.87355*Log(FeMAPC, mm) +-0.52682	0.98	na	All mammals; Present Study
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1204	Ingleside	San Patricio	Pleistocene	Present study	FeMAPC	midshaft anteroposterior circumference of femur			48	28.5	27	8,713.0	Log(body mass, kg) = 2.07*Log(FeMAPC, mm) +-1.61	0.95	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	937	2	Blackwater Draw	near Portal, NM	Pleistocene	Lundelius 1972b	FeL	length of femur			137			9,017.4	Log(Body mass) = 3.036*Log(FeL) −5.568	0.970225	6.15	Christiansen 2004
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31218	unknown	Farrish Ranch	Bee3	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humerus			51			9,497.2	Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31041	186	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humerus			51.5			9,690.0	Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31107	36	Old Glory	Stonewall	Pleistocene	Present study	HuMAPC	midshaft anteroposterior circumference of humerus			51.8			9,806.6	Log(Body mass, kg) = 2.06*Log(HuMAPC, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31022	8	Coahoma	Howard	Pleistocene	Present study	FeMAPC	midshaft anteroposterior circumference of femur	R		51	20.3		9,878.0	Log(body mass, kg) = 2.07*Log(FeMAPC, mm) +-1.61	0.95	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31022	7	Coahoma	Howard	Pleistocene	Present study	FeMAPC	midshaft anteroposterior circumference of femur	L		52			10,283.2	Log(body mass, kg) = 2.07*Log(FeMAPC, mm) +-1.61	0.95	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30927	45	Barron's Creek	Gillespie	Pleistocene	Present study	HuMAPD	midshaft anteroposterior diameter of humerus		17.2				10,694.2	Log(Body mass, kg) = 2.06*Log(HuMAPD*Pi, mm)+ -1.60	0.99	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	937	3	Blackwater Draw	near Portal, NM	Pleistocene	Lundelius 1972b	LM	lower molar	L			25.4						
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	n/a	n/a	n/a	n/a	Pleistocene	Present study	LM	lower molar	R			25.9	10.2					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	n/a	n/a	n/a	n/a	Pleistocene	Present study	LM	lower molar	L			24.5	10					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	n/a	n/a	n/a	n/a	Pleistocene	Present study	LM	lower molar	R			22	9.7					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	43067	37	Avenue site	Travis	Pleistocene	Lundelius 1992	LM2 or LM3	first or second lower molar	R			22	9.3		is this a different number for the same element I measured below?			
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	40529	13	E & A Gravel Pit	Bayor	Pleistocene	Present study	LM3	third molar	L			23.2	9					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	43067	106	Avenue site	Travis	Pleistocene	Present study	LM3	third molar	L			22	9					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	870	2315	Brazos river	Brazos	Pleistocene	Present study	M	molar				10.17	4					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31107	12	Old Glory	Stonewall	Pleistocene	Present study	M3	third molar	L			19.2	9.7					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	40545	17	Nueces river	Nuences	Pleistocene	Present study	UM	upper molar				23	10.7					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	40545	20	Nueces river	Nuences	Pleistocene	Present study	UM3	third upper molar	R			22.5	10.8					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30924	3?	Buckner Ranch 3	Bee	Pleistocene	Present study	UM3	third upper molar				16.8	8.9					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	47256	1	Miller Ranch	Duval	Pleistocene	Present study	LM	lower molar	L			22.3	8.8					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31108	94	Old Glory	Stonewall	Pleistocene	Present study	LM1	first molar	L			26.5	9.4					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	500	Ingleside	San Patricio	Pleistocene	Present study	LM1 or LM2	lower first or second molar	L			13.2	7.2					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1787	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM2	second lower molar	L			22.2	9.3					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31108	83	Old Glory	Stonewall	Pleistocene	Present study	LM2 or LM3	molar				24.2	9.5					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31041	94	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	LM2 or LM3	lower molar	R			22.3	9.98					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31041	170	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	LM2 or LM3	lower molar	R			23.2	9.96					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	43108	1	n/a	n/a	Pleistocene	Present study	LM3	third molar	L			23.6	9.07					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	227	Ingleside	San Patricio	Pleistocene	Present study	LM3	third lower molar	R			23.5	9.5					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1172	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	third lower molar	R			27.2	9.1					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1201	Ingleside	San Patricio	Pleistocene	Present study	LM3	third lower molar	L			22.4	9.2					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1652	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	third lower molar				27.5	9.4					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1729	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	third lower molar	L			23.3	9.5					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	181	Ingleside	San Patricio	Pleistocene	Present study	LP4 or LM1	lower molar	R			19.7	7.7					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	1140	1	Hondo	Medina	Pleistocene	Present study	M	molar				23.7	11					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	1140	3	Hondo	Medina	Pleistocene	Present study	M	molar				21.5	11.5					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31135	41	Old Glory	Stonewall	Pleistocene	Present study	M	molar				19.05	9.14					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31135	47	Old Glory	Stonewall	Pleistocene	Present study	M	molar				16.76	8.46					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31041	69	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	M	molar				17.8	10.6					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31041	100	Salt Fork Brazos River	Stonewall	Pleistocene	Present study	M	molar				22.3	8.87					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	723	Ingleside	San Patricio	Pleistocene	Present study	M	molar				13.5	7.1					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	11XX	Ingleside	San Patricio	Pleistocene	Present study	M	molar				22.8	8.9					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31107	29	Old Glory	Stonewall	Pleistocene	Present study	M1	first molar	R			19	9.4					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30907	1214	Ingleside	San Patricio	Pleistocene	Present study	M3	third molar				21	10.1					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	801	1	Reagan Gravel Pit	Howard	Pleistocene	Present study	UM	upper molar				23.2	10.7					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	43068	1	Columbus South	Colorado	Pleistocene	Present study	UM	upper molar				17.4	9.2					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	40529	9	E&A gravel pit	Baylor	Pleistocene	Present study	UM	molar	R			19.2	10.4					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	213	Ingleside	San Patricio	Pleistocene	Present study	UM	upper molar				21	10.8					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	462	Ingleside	San Patricio	Pleistocene	Present study	UM2	second upper molar				18.7	8.9					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1684	Ingleside	San Patricio	Pleistocene	Present study	UM2	upper molar				24.4	11.8					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1805	Ingleside	San Patricio	Pleistocene	Present study	UM2	second molar				23.2	11.1					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	2011	Ingleside	San Patricio	Pleistocene	Present study	UM2	second molar				20.3	10					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	882	10	Slaton Quarry	Lubbock	Pleistocene	Present study	UM2 or UM3	second or third upper molar	R			24	11.1					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	165	Ingleside	San Patricio	Pleistocene	Present study	UM3	third molar				21.6	8.9					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	45967	unknown	Big Cypress Creek, Big Dig	Pleistocene	Pleistocene	Present study	M	molar				20	9.3					
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	45967	unknown	Big Cypress Creek, Big Dig	Pleistocene	Pleistocene	Present study	M	molar				15.5	9					
Proboscidea	Elephantidae	*Mammuthus or Mammut*	*sp.*	31141	66	Aransas River	San Patricio	Pleistocene	Present study	FeMAPC	midshaft anteroposterior circumference of femur			35.5			4,666.3	Log(body mass, kg) = 2.07*Log(FeMAPC, mm) +-1.61	0.95	na	Table 1, Jukar et al. 2018
Proboscidea	Elephantidae	*Mammuthus or Mammut*	*sp.*	31141	66	Aransas River	San Patricio	Pleistocene	Present study	FeMAPD	midshaft anteroposterior diameter of femur		13				9,468.6	Log(body mass, g) = 2.87355*Log(FeMAPD*Pi, mm) +-0.52682	0.98	na	All mammals; Present Study
Proboscidea	Gomphotheriidae	*Cuvieronius*	*sp.*	30967	1219	Ingleside	San Patricio	Pleistocene	Lundelius 1972b	LM3	third lower molar	L			21.8	9.4					
Rodentia	Caviidae	*Neochoerus*	*pinckneyi*	31141	2406	Aransas River	San Patricio	Pleistocene	Present study	LP	lower premolar	L			2.94	1.16					
Rodentia	Caviidae	*Neochoerus*	*pinckneyi*	31034	124	O'Brian Ranch	Bee	Pleistocene	Present study	M or P	molar or premolar				1.92	1.37					

Table S3. Measurements of modern mammals

Order	Family	*Genus*	*Species*	MMNH Accession	Sex	HBL (head-body length, mm)	Estimated or actual BM (body mass, g)	BM (body mass, g)	SKL (skull length, mm)	lm1 length (mm)	lm2 length (mm)	lm3 length (mm)	lp4 length (mm)	UM1 length (mm)	UM2 length (mm)	AsL (Astragalus length, mm)	AsTL (Trochlea length, mm)	CaL (calcaneum length, mm)	HuEB (breadth of epicondyles, mm)	HuAPD (midshaft anteroposterior diameter, mm)	TiL (Tibia length, mm)	FeAPD (midshaft anteroposterior diameter, mm)	FeB (breadth of epicondyles, mm)	FeHD (head diameter, mm)	FeL (femur length, mm)	UlOL (ulna olecranon process length, mm)
Carnivora	Canidae	*Vulpes*	*zerda*	16339	u	590	709	709	79.3	8.7	5.3	3.0	6.1	4.5	3.3	10.2	5.2	17.8	10.9	5.2	87.4	4.6	11.5	6.4	73.5	8.0
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	7990	f	780	1,843	1843	99.4	11.6	6.5	3.8	7.8	7.5	6.6	14.2	7.9	21.7	16.2	6.7	98.3	6.3	17.4	8.9	94.1	10.3
Carnivora	Canidae	*Vulpes*	*vulpes*	1392	m	1080	3,062	3062	135.2	16.0	7.2	2.0	10.9	7.4	4.9	19.8	10.2	31.9	21.7	8.2	151.3	7.7	23.1	12.2	139.0	14.3
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	1368	f	940	3,856	3856		13.5	7.4	3.8	7.9	7.4	5.7	18.1	9.7	29.9	19.7	8.5	132.0	8.0	21.2	11.3	125.4	13.1
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	11694	f	908	4,082	4082	113.5	12.1	7.2	2.9	7.4	6.6	4.9											
Carnivora	Canidae	*Vulpes*	*vulpes*	4236	m	1008	4,337	4337	131.4	14.9	7.2	2.9	10.2	6.3	4.5	18.6	10.3	29.7	20.4	8.3	146.5	7.9	20.6	12.2	137.3	13.9
Carnivora	Canidae	*Vulpes*	*vulpes*	1393	f	1073	4,423	4422.5	126.7	13.6	7.4	2.5	9.4	6.0	4.6	17.5	9.2	31.1	20.2	8.3	142.5	7.2	18.6	11.6	135.7	14.7
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	3974	m	1013	4,508	4508	118.3	13.1	7.8	3.7	7.6	7.2	5.7	18.1	9.1	29.1	20.8	8.4	128.6	8.6	21.9	11.5	125.1	14.1
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	4922	m	949	4,621	4621	116.5	12.0	6.8	3.2	6.8	6.3	4.8											
Carnivora	Canidae	*Vulpes*	*vulpes*	5645	f	1065	5,103	5103	130.0	14.8	6.9	3.1	9.5	7.1	4.7	18.2	9.9	31.3	18.7	8.3	151.1	8.0	21.0	12.4	137.6	15.9
Carnivora	Canidae	*Vulpes*	*vulpes*	1359	m	1245	5,528	5528	134.0	17.1	8.0	3.7	10.4	7.0	5.0	26.5	10.5	31.0	21.8	8.7	158.1	8.6	25.8	14.2	141.9	15.5
Carnivora	Canidae	*Vulpes*	*vulpes*	3975	m	1086	5,528	5528	139.4	14.4	7.5	4.2	10.8	6.9	5.6	19.3	10.5	33.3	21.5	8.6	154.0	8.2	20.8	12.1	140.6	14.3
Carnivora	Canidae	*Vulpes*	*vulpes*	5675	m	1080	5,727	5727	137.8	17.5	7.1	4.0	10.7	7.5	4.9	17.5	10.4	30.5	20.0	8.6	153.2	7.9	21.1	11.9	137.9	15.8
Carnivora	Canidae	*Nyctereutes*	*procyonoides*	7994	m	800	5,897	5897	119.2	12.2	5.9	2.8	6.8	6.0	4.2	20.1	10.9	28.4	23.6	11.6	109.0	9.4	25.2	13.9	113.0	13.5
Carnivora	Canidae	*Vulpes*	*vulpes*	1390	m	1105	5,982	5982	141.3	16.4	7.5	3.4	10.8	7.5	5.0	19.1	10.5	32.7	22.7	8.8	160.0	8.3	22.2	13.4	144.8	16.0
Carnivora	Canidae	*Vulpes*	*vulpes*	5690	m	1165	6,123	6123	143.0	15.3	8.1	2.9	9.4	7.9	5.3	19.5	10.3	33.5	22.7	9.4	160.6	8.3	22.7	12.4	149.6	16.2
Carnivora	Canidae	*Canis*	*mesomelas*	16463	m	1000	6,600	6600	141.7	18.9	7.9	4.3	9.8	9.1	5.7				25.2	10.9	153.7	10.0	23.6	13.2	142.4	15.9
Carnivora	Canidae	*Canis*	*latrans*	2473	f	1181	10,971	10971	170.1	22.1	10.6	4.5	12.1	12.5	6.8											
Carnivora	Canidae	*Canis*	*latrans*	7832	f	1177	11,141	11141	175.1	20.7	9.8	4.8	12.3	12.9	7.1											
Carnivora	Canidae	*Canis*	*latrans*	13248	m	1156	11,340	11340	168.2	22.6	9.6	3.9	11.1	12.5	7.2											
Carnivora	Canidae	*Canis*	*latrans*	13244	m	1188	11,793	11793	178.7	23.5	10.0	5.7	12.9	11.4	7.6											
Carnivora	Canidae	*Canis*	*latrans*	2466	m		12,247	12247	172.9	21.8	9.1	4.4	12.9	12.7	7.4											
Carnivora	Canidae	*Canis*	*latrans*	4990	m		13,154	13154	169.8	22.6	10.4	6.0	11.9	12.8	7.1	23.9	13.7	38.9	28.9	12.1	181.7	10.8	28.9	15.1	172.0	19.9
Carnivora	Canidae	*Canis*	*latrans*	5646	m	1215	13,154	13154	179.5	21.4	10.0	4.4	11.5	12.8	7.1	25.3	14.0	40.1	31.0	12.9	187.9	11.8	28.8	16.9	179.5	20.5
Carnivora	Canidae	*Canis*	*latrans*	5647	m	1330	13,154	13154	181.3	21.3	11.1	5.0	12.5	12.7	7.9	25.5	13.4	44.2	29.9	13.2	203.8	11.6	28.3	18.3	190.5	19.3
Carnivora	Canidae	*Canis*	*latrans*	1852	m	1237	17,237	17237	184.8	22.4	9.9	3.9	13.2	12.5	6.9	25.4	13.2	42.8	32.4	14.8	194.2	13.3	31.5	17.9	183.0	18.9
Carnivora	Canidae	*Canis*	*latrans*	15702	f	1230	17,917	17917	176.5	21.4	10.7	5.8	11.7	13.0	8.4											
Carnivora	Canidae	*Canis*	*lupus*	1350	m	1511	22,680	22680	239.8	28.1	12.4	5.7	14.6	15.4	7.6	37.7	20.2	61.4	42.2	17.9	248.4	16.7	42.2	23.1	234.4	31.5
Carnivora	Canidae	*Canis*	*lupus*	10639	m		23,133	23133	226.2	27.1	11.4	6.1	12.9	15.1	7.9											
Carnivora	Canidae	*Canis*	*lupus*	13252	f	1676	24,040	24040	214.3	25.8	12.0	5.6	13.5	15.3	7.9				42.1	20.0	251.0	17.0	42.2	25.1	238.5	30.2
Carnivora	Canidae	*Canis*	*lupus*	2835	f	1581	26,393	26393	206.7	24.1	10.2	6.5	13.1	13.6	7.1											
Carnivora	Canidae	*Canis*	*lupus*	13266	f	1560	32,000	32000	197.3	25.3	10.9	4.8	12.6	12.9	8.3	32.4	18.7	58.1	40.1	17.6	221.9	15.8	39.6	24.0	210.9	27.9
Carnivora	Canidae	*Canis*	*lupus*	13263	f	1626	32,205	32205	222.0	25.4	12.3	6.0	15.1	13.3	9.0											
Carnivora	Canidae	*Canis*	*lupus*	13262	m	1575	33,112	33112	215.4	30.7	12.5	7.9	14.5	14.3	7.6											
Carnivora	Canidae	*Canis*	*lupus*	1362	m	1537	33,566	33566	215.8	26.0	12.5	5.3	14.9	15.3	8.8	37.4	21.2	59.9	45.7	18.3	258.0	16.5	42.3	25.5	249.7	32.3
Carnivora	Canidae	*Canis*	*lupus*	1221	m	1676	34,473	34473	227.1	29.8	11.9	6.3	15.9	16.0	8.9	34.0	20.6	61.3	44.3	17.3	247.8	17.0	42.4	26.2	256.9	31.7
Carnivora	Canidae	*Canis*	*lupus*	1361	m	1575	34,927	34927	218.1	27.4	10.8	6.9	15.5	15.3	6.5	37.5	21.3	61.3	44.2	19.1	275.5	16.3	43.2	24.4	232.8	28.0
Carnivora	Canidae	*Canis*	*lupus*	13265	m	1746	36,287	36287	235.6	30.4	12.2	5.8	16.1	16.7	8.6				46.9	18.7	262.2	20.4	46.0	28.4	257.1	30.3
Carnivora	Canidae	*Canis*	*lupus*	1349	m	1549	38,555	38555	225.0	28.6	12.0	6.9	15.6	16.4	8.7	34.0	19.2	61.9	42.4	18.7	274.5	***	41.1	28.9	239.6	31.0
Carnivora	Canidae	*Canis*	*lupus*	1872	m		44,452	44452	237.1	28.7	11.7	6.0	14.4	14.3	8.5	39.6	22.2	66.8	47.9	20.7	279.5	20.6	47.6	27.5	261.2	31.1
Carnivora	Canidae	*Vulpes*	*zerda*	16468	u		849		77.7	8.7	5.2	3.1	5.3	4.2	3.4	9.6	5.1	16.4	11.2	4.5	84.6	4.3	11.2	5.8	70.6	7.4
Carnivora	Canidae	*Vulpes*	*velox*	16505	u		1,717		95.5	9.5	5.7	4.2	6.7	5.4	4.0											
Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	14181	m	820	2,242		103.3	12.1	5.9	3.7	7.1	6.1	4.2											
Carnivora	Canidae	*Nyctereutes*	*procyonoides*	16467	f	940	2,814		110.4	12.0	5.4		6.2	6.9	3.9				26.5	8.7	103.3	8.1	21.9	13.0	104.1	11.8

Carnivora	Canidae	*Urocyon*	*cinereoargenteus*	5514	m	967	4,032		122.7	13.3	8.2	3.7	8.3	7.1	5.3	18.3	9.7	29.7	21.1	9.1	132.0	8.5	22.2	11.6	125.9	13.3
Carnivora	Canidae	*Vulpes*	*vulpes*	4892	f	1060	5,512		134.5	15.3	7.5	3.1	10.2	6.9	4.9	18.3	9.9	31.3	21.5	8.0	150.6	7.5	20.4	11.7	136.1	13.1
Carnivora	Canidae	*Canis*	*rufus*	12832	f		14,752		179.5	20.2	10.3	7.0	12.1	9.9	7.2											
Carnivora	Canidae	*Lycaon*	*pictus*	7639	m	1260	15,988		183.8	24.1	9.6	4.5	13.1	10.4	5.8	29.9	16.6	50.1	35.1	17.3	198.5	13.9	34.5	21.3	193.2	27.9
Carnivora	Canidae	*Chrysocyon*	*brachiurus*	16465	f		18,341		191.4	20.4	11.1	6.2	11.4	10.7	7.6	34.3	18.3	54.5								
Carnivora	Canidae	*Canis*	*lupus*	12314	f		22,311		202.7	25.5	11.9	5.9	13.8	11.4	6.8											
Carnivora	Canidae	*Canis*	*lupus*	19228	m		26,627		213.5	27.7	12.0	5.1	14.2	12.7	7.6											
Carnivora	Canidae	*Canis*	*lupus*	2252	m	1574	28,916		218.7	26.4	10.9	5.4	15.5	13.7	7.8	33.9	17.8	60.1	39.8	16.6	250.0	15.8	39.8	21.6	230.5	29.5
Carnivora	Canidae	*Canis*	*lupus*	19317	m		30,776		222.8	25.9	11.7	5.9	13.6	15.0	9.0											
Carnivora	Canidae	*Canis*	*lupus*	19316	m		33,015		227.4	26.8	10.8	6.1	14.8	16.2	8.7											
Carnivora	Felidae	*Felis*	*bengalensis*	8062	f	532	604	603.7	90.6	8.2			8.7	2.3		13.5	7.1	23.7	18.0	7.4	107.4	6.4	15.2	8.7	101.5	13.1
Carnivora	Felidae	*Felis*	*bengalensis*	8031	u	720	1,814	1814	74.7	7.6			6.3	1.5												
Carnivora	Felidae	*Felis*	*bengalensis*	8017	m	868	2,268	2268	83.9	8.4			7.6	1.9		16.6	7.7	28.8	17.6	8.1	120.7	8.1	19.4	9.8	119.5	12.9
Carnivora	Felidae	*Felis*	*geoffroyi*	16491	m	820	2,300	2300	87.5	7.8			6.8	1.9		15.5	8.5		20.1	7.4	111.6	6.5	18.5	9.5	118.1	13.8
Carnivora	Felidae	*Felis*	*bengalensis*	16487	f	682	2,430	2430	71.4	7.5			6.6	1.8					15.2	6.2	105.6	6.9	15.9	8.4	102.5	10.5
Carnivora	Felidae	*Felis*	*yagouaroundi*	7996	m	940	2,438	2438	85.4	9.5			8.1	2.0		13.4	9.7	27.1	18.8	6.8	115.9	6.8	18.8	10.8	116.9	12.6
Carnivora	Felidae	*Felis*	*domesticus*	4377	m	776	3,742	3742	78.6	7.9			7.5	2.1		17.2	9.4	30.9	19.9	8.9	107.8	8.0	18.3	9.9	103.3	12.4
Carnivora	Felidae	*Felis*	*domesticus*	4239	m	767	4,167	4167	81.4	8.2			7.2	2.1		17.3	9.9	32.0	18.5	8.8	115.8	7.9	18.9	10.5	111.1	11.6
Carnivora	Felidae	*Felis*	*rufus*	4080	f	784	5,216	5216								21.3	11.2	39.5	26.6	11.3	158.4	10.7	26.1	12.8	160.5	17.5
Carnivora	Felidae	*Felis*	*rufus*	3177	m	813	5,783	5783	92.8	12.7			8.7	3.1												
Carnivora	Felidae	*Felis*	*viverrina*	7998	f	843	7,711	7711	100.6	9.3			9.3	2.7		19.2	9.8	36.3	24.2	9.2	127.0	9.0	23.6	11.9	132.9	16.1
Carnivora	Felidae	*Felis*	*rufus*	5631	f	963	8,051	8051	100.3	10.8			9.2	2.7		21.0	12.0	45.2	27.7	11.8	170.0	10.8	25.1	14.5	173.2	18.3
Carnivora	Felidae	*Felis*	*chaus*	7997	m	939	8,136	8136	101.9	9.1			7.9	1.6		19.2	10.9	36.3	23.8	8.1	152.0	9.2	25.4	12.9	148.2	15.7
Carnivora	Felidae	*Felis*	*rufus*	1858	f	843	8,505	8505	98.1	11.3			9.2	2.5		22.4	11.3	41.4	26.8	11.0	153.7	10.6	26.5	13.8	159.8	17.2
Carnivora	Felidae	*Felis*	*lynx*	5699	f	940	8,845	8845	104.5	11.9			9.5	2.1												
Carnivora	Felidae	*Felis*	*lynx*	4916	f	868	9,072	9072	101.6	12.4			11.3	2.4		24.7	12.5	46.3	29.0	12.0	203.2	11.5	27.2	13.8	195.8	18.3
Carnivora	Felidae	*Neofelis*	*nebulosa*	7995	f	1524	9,979	9979	128.7	13.2			13.2	3.0		25.1	13.5	39.6	33.0	12.0	154.6	10.5	27.8	16.3	163.4	18.6
Carnivora	Felidae	*Felis*	*lynx*	5636	m	880	10,433	10433	111.9	12.0			10.1	2.0												
Carnivora	Felidae	*Felis*	*lynx*	5627	f	890	10,886	10886	81.2	11.2			9.9	2.3												
Carnivora	Felidae	*Felis*	*lynx*	5637	m	905	11,085	11085		12.9			11.0	1.7												
Carnivora	Felidae	*Felis*	*rufus*	4344	m	957	11,425	11425	109.9	12.1			10.3	3.0		23.1	12.4	41.4	30.6	13.2	174.2	11.7	30.4	15.4	179.3	21.6
Carnivora	Felidae	*Felis*	*rufus*	1369	m	940	14,061	14061	115.4	11.2			8.3	2.4												
Carnivora	Felidae	*Panthera*	*leo*	4721	f	1980	72,575	72575	232.1	24.6			22.9	5.4		46.8	31.5	96.3	77.8	28.6	287.6	24.0	70.5	35.3	325.0	49.1
Carnivora	Felidae	*Panthera*	*tigris*	6246	f	2370	145,150	145150	246.0	21.5			22.3	4.2		53.1	31.8		79.1	29.8	305.1	24.9	69.4	37.3	354.0	53.6
Carnivora	Felidae	*Felis*	*chaus*	16489	m	610	4,176		84.9	8.2			7.4	1.8		14.7	7.5		16.7	6.9	98.9	6.5	15.7	8.8	91.9	12.9
Carnivora	Felidae	*Felis*	*temmincki*	18580	f	1130	9,038		108.6	10.7			9.8	2.2												
Carnivora	Felidae	*Felis*	*lynx*	3519	m	1000	9,183		109.1	13.9			11.4	3.1		25.3	14.6	50.6	32.2	12.2	216.3	11.3	28.3	15.6	210.3	19.9
Carnivora	Felidae	*Neofelis*	*nebulosa*	16496	f	1140	9,697		111.0	13.1			12.7	3.3		24.7	12.3	39.5	32.1	11.9	124.5	9.1	26.3	15.6	130.9	17.5
Carnivora	Felidae	*Felis*	*pardalis*	16493	u		10,891		115.2	10.4			9.6	2.1		23.8	11.7	36.5	29.3	12.7	142.3	11.0	26.2	14.4	147.7	18.1
Carnivora	Felidae	*Felis*	*pardalis*	4460	m		13,949		124.6	11.7			10.7	2.9		22.7	13.0	36.5	30.6	13.4	150.3	11.6	26.0	14.8	155.2	20.7
Carnivora	Felidae	*Acinonyx*	*jubatus*	5018	m	1656	15,738		129.5	15.3			14.4	3.3		29.3	17.8	66.2	34.3	17.8	238.0	14.3		20.5	224.0	28.6
Carnivora	Felidae	*Felis*	*concolor*	4287	f		20,967		141.9	14.8			14.1	2.6												
Carnivora	Felidae	*Felis*	*concolor*	4461	m		23,038		146.2	15.9			15.6	3.4												
Carnivora	Felidae	*Felis*	*concolor*	4286	f		31,495		161.5	16.6			15.4	3.1												
Carnivora	Felidae	*Panthera*	*pardus*	5618	f	1854	37,684		171.0	16.4			17.0	3.1		30.9	17.1	54.3	43.4	19.3	211.3	15.7	40.6	21.2	233.7	29.3
Carnivora	Felidae	*Panthera*	*pardus*	4238	m	2015	61,607		200.0	18.1			17.5	0.0		37.8	24.2	70.2	61.9	23.4	236.0	18.8	52.0	27.6	256.0	40.6
Carnivora	Felidae	*Panthera*	*leo*	17535	m		86,967		223.2	26.7			23.9	3.6												
Carnivora	Felidae	*Panthera*	*leo*	17533	f		116,153		244.7	25.1			23.7	4.1												
Carnivora	Felidae	*Panthera*	*leo*	17543	f		118,753		246.4	24.3			23.8	3.5												
Carnivora	Felidae	*Panthera*	*leo*	uncat	u		119,832		247.1	25.1			22.3	5.1		48.9	30.2	93.1	74.1	30.4	276.4	25.8	68.8	36.2	303.0	55.7
Carnivora	Felidae	*Panthera*	*leo*	17534	f		122,750		249.0	23.4			24.4	3.5												
Carnivora	Felidae	*Panthera*	*leo*	17541	f		134,234		256.2	25.0			20.6	4.9												
Carnivora	Felidae	*Panthera*	*leo*	12736	u		136,302		257.5	25.2			25.6	4.3												
Carnivora	Felidae	*Panthera*	*leo*	17539	u		137,889		258.4	28.0			25.8	6.0												

Carnivora	Felidae	*Panthera*	*leo*	17544	f		140,504		260.0	24.4		23.9	4.0																		
Carnivora	Felidae	*Panthera*	*leo*	18573	m		207,750		294.4				5.2																		
Carnivora	Felidae	*Panthera*	*leo*	17537	m		223,086		301.2	28.0		26.2	4.5																		
Carnivora	Felidae	*Panthera*	*leo*	7494	m		311,667		335.0	28.9		27.5	4.9	52.9	36.0	109.9	83.2	36.8	321.0	29.8	74.3	38.9	372.0	63.7							
Carnivora	Felidae	*Panthera*	*leo*	17532	f					24.3		23.5	3.8																		
Carnivora	Felidae	*Panthera*	*leo*	17536	f					24.6		24.3																			
Lagomorpha	Leporidae	*Sylvilagus*	*aquaticus*	5926	m	321	442	442		1.9																					
Lagomorpha	Leporidae	*Sylvilagus*	*floridanus*	11936	m	356	705	705		2.7																					
Lagomorpha	Leporidae	*Sylvilagus*	*floridanus*	6863	m	353	781	781		2.2																					
Lagomorpha	Leporidae	*Sylvilagus*	*floridanus*	4243	m	410	959	959		2.9																					
Lagomorpha	Leporidae	*Sylvilagus*	*floridanus*	19177	m	390	1,045	1045		2.4																					
Lagomorpha	Leporidae	*Lepus*	*americanus*	1020	u		1,077	1077		2.7																					
Lagomorpha	Leporidae	*Sylvilagus*	*floridanus*	4380	m	409	1,087	1087		2.5																					
Lagomorpha	Leporidae	*Sylvilagus*	*floridanus*	8955	m	430	1,162	1162		2.3																					
Lagomorpha	Leporidae	*Sylvilagus*	*floridanus*	3815	m	432	1,270	1270		2.6																					
Lagomorpha	Leporidae	*Sylvilagus*	*floridanus*	3670	m	445	1,276	1276		2.6																					
Lagomorpha	Leporidae	*Lepus*	*americanus*	12760	f	420	1,288	1288		2.9																					
Lagomorpha	Leporidae	*Lepus*	*americanus*	12765	m	435	1,294	1294		2.5																					
Lagomorpha	Leporidae	*Sylvilagus*	*floridanus*	4759	m	442	1,389	1389		2.6																					
Lagomorpha	Leporidae	*Sylvilagus*	*floridanus*	4877	f	478	1,417	1417		2.4																					
Lagomorpha	Leporidae	*Lepus*	*americanus*	12762	f	445	1,443	1443		2.7																					
Lagomorpha	Leporidae	*Lepus*	*americanus*	4964	f	443	1,497	1497		2.9																					
Lagomorpha	Leporidae	*Lepus*	*americanus*	3887	f	420	1,843	1843		2.8																					
Lagomorpha	Leporidae	*Lepus*	*americanus*	11939	f	391	1,899	1899		2.7																					
Lagomorpha	Leporidae	*Lepus*	*americanus*	5731	m	428	1,928	1928		2.9																					
Lagomorpha	Leporidae	*Lepus*	*americanus*	5089	f	435	2,070	2070		2.9																					
Lagomorpha	Leporidae	*Lepus*	*americanus*	1022	m		2,098	2098		2.7																					
Lagomorpha	Leporidae	*Lepus*	*arcticus*	4791	f	468	2,268	2268		3.3																					
Lagomorpha	Leporidae	*Lepus*	*townsendii*	5101	m	604	2,410	2410		3.4																					
Lagomorpha	Leporidae	*Lepus*	*californicus*	4519	f	598	2,595	2595		3.2																					
Lagomorpha	Leporidae	*Lepus*	*townsendii*	5100	m	612	2,665	2665		3.3																					
Lagomorpha	Leporidae	*Lepus*	*townsendii*	11940	m	590	3,099	3099		3.5																					
Lagomorpha	Leporidae	*Lepus*	*townsendii*	1346	u	597	3,402	3402		3.1																					
Lagomorpha	Leporidae	*Lepus*	*townsendii*	3734	m	630	3,430	3430		3.6																					
Lagomorpha	Leporidae	*Lepus*	*townsendii*	1164	u	635	3,515	3515		3.4																					
Lagomorpha	Leporidae	*Sylvilagus*	*audubonii*	4676	m	300				1.9																					
Lagomorpha	Leporidae	*Sylvilagus*	*audubonii*	4486	m	321				2.0																					
Lagomorpha	Leporidae	*Sylvilagus*	*audubonii*	4485	m	361				2.2																					
Lagomorpha	Leporidae	*Sylvilagus*	*audubonii*	4511	f	373				2.5																					
Lagomorpha	Leporidae	*Sylvilagus*	*audubonii*	4509	m	376				2.4																					
Lagomorpha	Leporidae	*Lepus*	*californicus*	4552	u	472				2.5																					
Lagomorpha	Leporidae	*Lepus*	*californicus*	4488	m	531				3.8																					
Lagomorpha	Leporidae	*Lepus*	*californicus*	4489	m	556				3.3																					
Lagomorpha	Leporidae	*Lepus*	*californicus*	4503	m	556				3.2																					
Lagomorpha	Leporidae	*Sylvilagus*	*audubonii*	12975	m					1.8																					
Lagomorpha	Leporidae	*Sylvilagus*	*audubonii*	10762	m					2.2																					
Lagomorpha	Leporidae	*Sylvilagus*	*audubonii*	9801	m					2.1																					
Lagomorpha	Leporidae	*Sylvilagus*	*audubonii*	4366	m					2.2																					
Carnivora	Mustelidae	*Mustela*	*nivalis*	3709	f	173	21	21	26.3	3.5	0.3	1.5	0.9																		
Carnivora	Mustelidae	*Mustela*	*nivalis*	3162	u	170	27	27	29.1	3.7	0.8	1.8	1.4																		
Carnivora	Mustelidae	*Mustela*	*nivalis*	8051	f	169	31	30.6	26.3	3.3	0.4	1.1	1.3																		
Carnivora	Mustelidae	*Mustela*	*nivalis*	2655	u	181	40	39.8	28.8	3.3	0.6	1.6	1.1																		
Carnivora	Mustelidae	*Mustela*	*erminea*	18690	f	215	50	49.83	32.7	4.0	0.6	2.3	1.2				4.1	1.5	24.7	1.5	4.0	2.1	22.7	2.3							
Carnivora	Mustelidae	*Mustela*	*erminea*	12394	m	223	53	52.5	34.1	4.6	0.6	2.6	1.7				4.7	1.9	21.5	1.8	4.4	2.3	21.7	2.6							

Carnivora	Mustelidae	*Mustela*	*nivalis*	3671	m	195	56	56	30.8	4.0	0.8	1.7	1.2											
Carnivora	Mustelidae	*Mustela*	*erminea*	6264	f	256	67	67	30.8	4.2	1.2	2.0	1.3											
Carnivora	Mustelidae	*Mustela*	*erminea*	12392	f	244	69	69	32.6	4.1	0.8	2.1	1.2					4.5	2.0	23.6	1.7	4.2	2.2	23.2	2.6
Carnivora	Mustelidae	*Mustela*	*erminea*	4928	m	308	83	83.1	39.9	5.5	0.7	2.3	1.6		3.1	2.7		6.0	1.7	33.5	1.9	5.2	3.0	30.2	3.4
Carnivora	Mustelidae	*Mustela*	*erminea*	12397	m	279	109	109	36.8	4.6	0.8	2.5	1.3		4.6	2.2		5.6	1.9	31.3	2.1	5.2	2.8	26.3	2.8
Carnivora	Mustelidae	*Mustela*	*erminea*	12398	m	282	110	110.4	37.3	5.1	0.5	2.6	1.9					5.4	2.1	30.6	1.9	5.1	2.7	27.5	3.2
Carnivora	Mustelidae	*Mustela*	*frenata*	4456	f	375	173	172.8	43.7	6.0	1.2	3.5	1.8												
Carnivora	Mustelidae	*Mustela*	*frenata*	3062	f	374	194	193.5	43.8	6.2	1.6	3.2	1.8												
Carnivora	Mustelidae	*Mustela*	*frenata*	11096	m	405	279	279.2	46.4	6.1	1.4	3.8	1.5												
Carnivora	Mustelidae	*Mustela*	*frenata*	12277	m	415	300	300	46.4	6.1	1.4	4.1	1.7					8.0	2.6	38.8	2.4	7.3	4.0	36.2	4.2
Carnivora	Mustelidae	*Spilogale*	*putorius*	13236	f	433	419	418.5	48.6	7.3	3.2	3.6	4.2												
Carnivora	Mustelidae	*Mustela*	*frenata*	4983	m	415	419	419	49.6	6.9	1.7	3.7	2.1					8.6	3.8	40.3	3.1	7.8	4.2	38.3	5.4
Carnivora	Mustelidae	*Spilogale*	*putorius*	12567	m	464	452	451.6	49.1	7.9	3.1	3.2	4.3		7.6	3.1	10.1	9.4	5.2	45.8	2.9	8.2	5.4	43.2	5.8
Carnivora	Mustelidae	*Spilogale*	*putorius*	13237	f	489	571	571		8.1	3.1	3.3	4.2												
Carnivora	Mustelidae	*Mustela*	*vison*	7978	f	522	598	598.3																	
Carnivora	Mustelidae	*Mustela*	*vison*	13061	f	475	611	611	53.0	7.2	1.9	4.9	2.9												
Carnivora	Mustelidae	*Mustela*	*vison*	11701	f	540	657	656.7	54.9	7.3	2.0	4.0	2.7												
Carnivora	Mustelidae	*Mustela*	*nigripes*	3667	f	500	699	699.2	44.8	8.5	1.0	4.3	2.0		8.5	4.6	12.4	11.9	4.2	48.0	3.6	9.9	6.0	48.2	6.6
Carnivora	Mustelidae	*Ictonyx*	*striatus*	16472	m	557	726	726	57.0	7.3	2.9	4.5	2.8				5.3	11.9	3.9	49.7	3.4	9.4	5.8	46.7	7.5
Carnivora	Mustelidae	*Mustela*	*vison*	3069	f	507	745	745	59.8	6.9	1.8	4.4	3.0												
Carnivora	Mustelidae	*Martes*	*americana*	14063	m	580	756	756	73.7	10.1	3.0	5.6	4.8		11.4	5.7	17.4	13.1	4.1	76.3	4.2	11.3	6.1	68.3	6.5
Carnivora	Mustelidae	*Mustela*	*vison*	1869	f	546	794	794	58.3	7.7	2.3	4.7	3.2												
Carnivora	Mustelidae	*Martes*	*americana*	14062	m	600	846	845.5	75.2	9.5	3.0	5.7	4.2		12.4	5.5	15.0	12.2	4.8	77.5	4.7	11.9	6.5	69.4	6.6
Carnivora	Mustelidae	*Mustela*	*vison*	1870	m	559	964	964	57.3	7.7	2.6	4.2	2.5												
Carnivora	Mustelidae	*Mustela*	*putorius*	7999	m	590	992	992	66.4	8.2	2.4	4.6	2.6												
Carnivora	Mustelidae	*Galictis*	*cuja*	16471	m	569	1,050	1050	71.0	9.3	3.0	5.3	8.4	4.2				14.5	5.4	56.0	3.9	12.6	6.6	57.3	8.1
Carnivora	Mustelidae	*Mustela*	*vison*	15697	m	914	1,077	1077	63.0	8.5	2.8	4.9	2.9												
Carnivora	Mustelidae	*Martes*	*americana*	15695	m	710	1,134	1134	75.7	8.9	3.2	5.7	4.6					12.9	4.5		4.2	12.4	6.2	71.1	7.3
Carnivora	Mustelidae	*Martes*	*pennanti*	4376	f	884	2,126	2126	94.3	12.0	4.1	7.7	4.8		15.8	7.6	23.2	18.5	7.6	99.0	6.1	16.5	9.2	93.1	8.6
Carnivora	Mustelidae	*Martes*	*pennanti*	5677	f	921	2,155	2155	93.9	12.5	4.7	7.8	4.8		16.1	7.2	23.4	19.0	7.0	99.4	6.8	17.1	9.6	95.2	8.5
Carnivora	Mustelidae	*Martes*	*pennanti*	5024	m	978	2,948	2948	110.0	13.7	4.8	8.5	6.4		17.6	8.6	26.5	22.6	7.4	99.6	7.6	19.5	10.6	102.6	10.5
Carnivora	Mustelidae	*Galictis*	*vittata*	8012	m	736	3,005	3005	89.0	10.5	4.0	6.5	10.1	3.9	15.3	7.7	21.8	19.0	8.5	80.6	6.2	16.4	10.7	87.3	8.7
Carnivora	Mustelidae	*Eira*	*barbara*	14049	f	970	3,849	3849	98.1	11.5	3.1	7.9	10.1	3.4											
Carnivora	Mustelidae	*Martes*	*pennanti*	5643	m	981	3,856	3856	111.8	13.6	3.8	7.6	6.5		19.1	8.7	26.9	22.5	9.3	107.4	7.7	19.5	10.8	102.7	11.8
Carnivora	Mustelidae	*Martes*	*pennanti*	5678	m	1055	3,912	3912	113.4	15.1	5.6	9.4	6.2		19.6	9.2	27.6	23.4	9.6	113.5	7.9	20.0	8.2	110.9	12.0
Carnivora	Mustelidae	*Martes*	*pennanti*	3104	m		5,670	5670	110.6	14.8	5.6	8.8	5.5		19.8	9.3	27.7	25.2	8.4	111.5	7.8	20.4	11.6	107.2	13.7
Carnivora	Mustelidae	*Taxidea*	*taxus*	2472	m	679	6,917	6917	111.6	14.1	4.5	8.8	12.1		18.7	11.0	27.3	31.8	11.4	84.9	7.1	23.8	12.0	97.5	24.5
Carnivora	Mustelidae	*Taxidea*	*taxus*	6142	f	730	7,343	7343	116.7	13.7	4.2	8.6	10.6		17.4	11.7	26.9	32.9	12.4	81.3	8.1	22.4	13.1	97.4	21.3
Carnivora	Mustelidae	*Taxidea*	*taxus*	5649	f	743	7,711	7711	113.7	12.6	4.1	8.0	10.7		18.0	11.0	27.4	31.6	13.3	78.6	8.3	22.2	12.3	96.0	20.9
Carnivora	Mustelidae	*Taxidea*	*taxus*	5642	m	787	7,711	7711	123.7	13.7	5.7	8.9	10.8		19.6	12.4	30.3	36.7	13.5	93.3	7.9	26.8	15.7	113.3	28.3
Carnivora	Mustelidae	*Taxidea*	*taxus*	2446	m	737	7,824	7824	114.9	14.1	4.2	8.6	10.9												
Carnivora	Mustelidae	*Taxidea*	*taxus*	2447	m	743	8,278	8278	113.4	12.9	4.1	9.1	11.1												
Carnivora	Mustelidae	*Taxidea*	*taxus*	5011	m	770	9,866	9866	118.0	15.0	4.7	9.0	12.5		19.1	12.1	29.8	32.8	13.7	84.0	8.4	25.0	14.1	104.0	23.5
Carnivora	Mustelidae	*Gulo*	*gulo*	7643	m	1219	18,144	18144	138.4	21.4	7.2	12.8	7.8					34.1	11.9	141.4	10.7	31.8	18.3	147.9	18.3
Carnivora	Mustelidae	*Mustela*	*nivalis*	3710	m		33		26.1	3.2	0.3	1.3	0.8												
Carnivora	Mustelidae	*Mephitis*	*mephitis*	2096	m		578		59.1	9.5	4.2	3.9	5.8												
Carnivora	Mustelidae	*Mustela*	*vison*	3980	m	557	579		59.1	7.2	1.8	4.4	2.9		8.7	4.1	12.5	11.9	4.0	52.0	3.6	9.6	5.3	47.2	5.9
Carnivora	Mustelidae	*Mephitis*	*mephitis*	16642	u	711	606		59.9	8.8	3.7	4.4	5.7												
Carnivora	Mustelidae	*Conepatus*	*semistriatus*	14050	m	441	628		60.5	10.1	4.3	4.5	8.3												
Carnivora	Mustelidae	*Mustela*	*vison*	12257	m		629		60.5	8.0	2.0	4.7	2.9		9.7	5.0	13.2	12.1	4.1	52.1	3.6	11.0	5.8	48.8	6.7
Carnivora	Mustelidae	*Mephitis*	*mephitis*	3081	f		881		66.6	10.5	4.1	5.5	5.9												
Carnivora	Mustelidae	*Mephitis*	*mephitis*	616	m		1,111		71.1	10.0	3.9	4.6	7.1												
Carnivora	Mustelidae	*Conepatus*	*leuconotus*	3224	u		1,125		71.4	10.7	4.4	4.6	8.7												
Carnivora	Mustelidae	*Martes*	*americana*	15696	m	600	1,130		71.4	9.3	3.3	5.8	3.8					12.1	4.4		4.2	11.8	6.6	66.5	6.6

Carnivora	Mustelidae	*Martes*	*pennanti*	5668	f	895	2,974		94.0	12.0	3.4		7.1	5.1		15.5	7.2	23.0	19.7	6.5	97.0	6.4	16.7	9.0	93.0	9.7
Carnivora	Mustelidae	*Arctonyx*	*collaris*	8016	f	903	10,475		134.4	18.5	7.2		7.8	15.5		20.2	11.9	32.8	34.5	11.3	101.7	8.8	27.3	15.5	119.3	22.7
Carnivora	Mustelidae	*Mustela*	*latrans*	5406	f	1250	21,805		165.4	20.0	9.4	3.5	11.8	12.4	6.8											
Carnivora	Mustelidae	*Mustela*	*vison*	5400	u											68.2	38.0		67.5	45.7	400.0					
Lagomorpha	Ochotonidae	*Ochotona*	*princeps*	6349	f	180	595	595		1.7																
Lagomorpha	Ochotonidae	*Ochotona*	*princeps*	13562	m	195	765	765		1.8																
Lagomorpha	Ochotonidae	*Ochotona*	*princeps*	140	m	200	850	850		1.8																
Lagomorpha	Ochotonidae	*Ochotona*	*princeps*	139	m	210	879	879		1.8																
Carnivora	Procyonidae	*Procyon*	*lotor*	13042	m	610	2,355	2355	91.5	10.5	10.0		7.5	9.1	7.0											
Carnivora	Procyonidae	*Bassaricyon*	*gabbi*	8018	f	858	2,381	2381	74.3	5.1	4.5		4.3	3.1	4.1	15.3	7.6	21.2	21.4	6.7	79.4	6.7	17.5	8.9	85.5	8.5
Carnivora	Procyonidae	*Nasua*	*nasua*	14877	f	880	2,438	2438	106.2	7.8	7.9		7.2	6.8	7.5	15.1	8.9	23.3	22.8	9.0	90.8	7.1	19.1	11.2	98.0	12.9
Carnivora	Procyonidae	*Potos*	*flavus*	7644	m	970	3,402	3402	80.8	6.0	6.3		4.8	5.0	5.5				21.4	7.3	86.3	6.5	16.3	9.4	84.6	9.2
Carnivora	Procyonidae	*Procyon*	*lotor*	2731	f	672	3,856	3856	92.1	10.2	9.6		8.3	9.1	6.4											
Carnivora	Procyonidae	*Nasua*	*nasua*	14878	m	802	4,139	4139	96.3	7.4	6.6		6.8	6.1	6.9	12.9	8.7	23.2	26.3	7.9	88.8	5.9	20.2	9.9	91.9	15.3
Carnivora	Procyonidae	*Nasua*	*nasua*	4237	m	944	4,167	4167	106.4	8.6	7.2		6.5	6.6	8.0	13.0	8.4	24.2	28.7	11.2	98.7	8.1	20.8	11.3	104.6	15.6
Carnivora	Procyonidae	*Procyon*	*lotor*	5651	f	850	4,309	4309	105.3	10.4	8.9		8.0	8.6	6.5	17.9	10.2	29.2	22.5	10.0	131.4	9.0	23.5	12.8	126.8	12.0
Carnivora	Procyonidae	*Procyon*	*lotor*	3674	f	787	5,160	5160	104.9	11.2	10.6		7.7	9.2	6.9											
Carnivora	Procyonidae	*Procyon*	*lotor*	5622	m	753	5,216	5216	105.4	10.8	11.2		7.1	9.9	7.2											
Carnivora	Procyonidae	*Nasua*	*nasua*	4058	m	646	5,443	5443	114.2	9.1	9.7		6.8	7.2	8.3				27.9	11.4		8.5	16.6	7.7	110.6	
Carnivora	Procyonidae	*Procyon*	*lotor*	5012	f	780	5,897	5897	105.5	11.5	10.0		9.1	8.6	6.7	18.0	10.3		24.0	10.4	129.2	9.2	27.3	14.2	126.5	12.7
Carnivora	Procyonidae	*Nasua*	*nasua*	14876	m	1160	6,010	6010	118.2	9.4	9.0		7.1	8.5	7.0	16.5	9.3	28.2	27.4	13.6	114.3	8.9	22.4	12.7	116.5	15.3
Carnivora	Procyonidae	*Procyon*	*lotor*	6248	f	902	6,237	6237	110.2	11.5	9.3		7.3	9.1	6.8											
Carnivora	Procyonidae	*Procyon*	*lotor*	5621	m	820	6,237	6237	110.2	10.1	9.7		8.6	9.1	7.1											
Carnivora	Procyonidae	*Procyon*	*lotor*	8077	m	890	7,484	7484	117.4	11.9	10.7		8.1	10.0	8.5											
Carnivora	Procyonidae	*Procyon*	*lotor*	2733	m	818	8,505	8505	111.1	11.2	11.0		7.8	9.6	7.6											
Carnivora	Procyonidae	*Procyon*	*lotor*	8080	f		8,618	8618	105.2	10.6	9.5		8.6	9.1	7.0											
Carnivora	Procyonidae	*Bassariscus*	*astutus*	12566	f	700	9,683	9683	69.0	7.1	5.5		5.0	7.2	6.2	9.4	5.4	14.7	9.1	5.3	61.3	4.7	11.7	6.3	62.4	5.6
Carnivora	Procyonidae	*Bassariscus*	*astutus*	13585	m		1,116		71.2	8.2	5.5		5.7	6.8	5.8											
Carnivora	Procyonidae	*Bassariscus*	*astutus*	5701	u		1,365		75.4	8.0	5.1		4.9	7.8	5.8	11.2	5.6	17.6	13.2	3.4	68.6	5.7	12.5	7.5	69.4	6.9
Carnivora	Procyonidae	*Potos*	*flavus*	14048	m	890	1,640		79.4	6.7	6.4		5.6	5.1	5.1											
Carnivora	Procyonidae	*Bassariscus*	*sumichrasti*	14043	m		1,695		80.2	12.5	11.7		9.6	11.2	10.1											
Carnivora	Procyonidae	*Potos*	*flavus*	14047	m	930	2,126		85.5	6.3	6.1		5.4	5.1	5.0											
Carnivora	Procyonidae	*Procyon*	*lotor*	6351	u		3,906		101.6	10.5	8.3		7.6	8.6	5.7	16.8	9.2	26.8	23.0	9.3	129.9	9.0	22.1	13.5	125.0	11.4
Carnivora	Procyonidae	*Procyon*	*lotor*	4498	m	819	4,177		103.5	9.9	10.4		7.6	9.2	7.3											
Carnivora	Procyonidae	*Nasua*	*nasua*	3768	m	1100	5,229		110.3	8.5	6.2		6.7	6.9	7.4											
Carnivora	Procyonidae	*Nasua*	*nasua*	2636	f	1140	5,365		111.1	9.0	10.3		8.0	8.2	8.8											
Carnivora	Procyonidae	*Procyon*	*lotor*	1871	m	864	5,593		112.5	12.1	11.0		7.8	10.2	7.7											
Carnivora	Procyonidae	*Nasua*	*nasua*	4285	m		5,888		114.1	8.9	8.9		6.9	7.0	7.0											
Carnivora	Procyonidae	*Nasua*	*nasua*	14880	f	815	6,358		116.6	8.7	10.1		7.6	8.0	7.7				25.7	12.9	110.3	8.2	19.9	12.2	115.0	14.9
Carnivora	Procyonidae	*Nasua*	*nasua*	4292	m		6,414		116.9	9.3	9.0		7.5	8.0	7.5											
Carnivora	Ursidae	*Ursus*	*americanus*	3107	f		96,762		234.0	16.6	17.7	13.2	8.5	15.1	22.7											
Carnivora	Ursidae	*Ursus*	*americanus*	5026	u		100,618		238.5	16.7	18.1	13.2	10.4	16.9	23.7	34.5	26.0	58.8	68.3	31.3	232.3	21.3	56.6	33.3	312.0	32.5
Carnivora	Ursidae	*Ursus*	*americanus*	11847	f		101,292		239.3	17.2	18.9	14.5	10.4	16.5	24.1											
Carnivora	Ursidae	*Ursus*	*arctos*	5020	f		144,141		285.0	17.5	20.6	14.0	8.2	11.57**	25.7											
Carnivora	Ursidae	*Ursus*	*americanus*	3175	m		136,078	136078		18.1	19.2	14.9	10.1	16.9	26.2											
Carnivora	Ursidae	*Ursus*	*americanus*	15631	m		122,681		263.1	18.3	19.2	13.8	9.4	17.0	24.5											
Carnivora	Ursidae	*Ursus*	*americanus*	5493	m					18.5	21.2	14.8	11.2	18.0	26.7											
Carnivora	Ursidae	*Ursus*	*americanus*	15632	m		127,493		268.2	18.5	20.8	15.0	9.5	17.9	25.0											
Carnivora	Ursidae	*Ursus*	*americanus*	7600	u		108,504		247.6	18.6	21.3	13.8	9.1	18.3	27.0											
Carnivora	Ursidae	*Ursus*	*americanus*	19170	m		77,887		210.1	18.7	20.0	14.3	9.9	17.9	26.5	36.0	30.9	60.7	65.5	21.4	211.3	16.7	58.4	33.2	258.7	31.4
Carnivora	Ursidae	*Ursus*	*americanus*	15629	m		133,832		274.7	18.8	19.9	15.4	9.5	17.2	26.8											
Carnivora	Ursidae	*Ursus*	*americanus*	7445	u					18.9	20.0	17.6	9.6			38.2	32.3	61.8	74.1	24.6	222.0	20.1	59.6	36.0	285.7	27.8
Carnivora	Ursidae	*Ursus*	*americanus*	15637	f		97,918		235.4	19.0	20.2	15.1	8.9	17.0	26.0											
Carnivora	Ursidae	*Ursus*	*americanus*	15630	m		117,621		257.7	19.4	20.1	15.3	10.4	18.9	26.8											

Carnivora	Ursidae	*Ursus*	*americanus*	15635	m		128,426		269.2	19.4	21.3	16.1	10.7	18.6	27.6																
Carnivora	Ursidae	*Ursus*	*maritimus*	16355	m		240,229		367.0	19.9	20.7	16.4	12.5	19.0	26.6																
Carnivora	Ursidae	*Ursus*	*maritimus*	3607	u		173,058		312.0	20.0	18.7	15.8	11.7	18.1	26.6	54.8	47.9	94.0	113.4	46.2	300.9	26.3	86.4	51.3	398.0	48.5
Carnivora	Ursidae	*Ursus*	*americanus*	15633	m		***		***	20.1	19.7	15.5	11.6	18.9	27.5																
Carnivora	Ursidae	*Ursus*	*maritimus*	16346	m		201,004		336.0	20.1	20.3	15.5	12.8	19.2	26.6																
Carnivora	Ursidae	*Ursus*	*maritimus*	16357	f		168,606		308.0	20.2	20.3	11.7	11.9	18.6	24.8																
Carnivora	Ursidae	*Ursus*	*americanus*	15634	m		121,582		262.0	20.2	21.1	16.3	10.4	18.3	28.2																
Carnivora	Ursidae	*Ursus*	*americanus*	1324	m		131,246		272.1	20.3	21.5	16.0	12.1	19.4	28.0																
Carnivora	Ursidae	*Ursus*	*maritimus*	16351	f		168,606		308.0	20.5	21.2	14.3	13.0	20.1	23.1																
Carnivora	Ursidae	*Ursus*	*maritimus*	16343	m		195,008		331.0	20.6	20.1	15.3	13.7	18.7	26.4																
Carnivora	Ursidae	*Ursus*	*maritimus*	16352	m		220,809		352.0	20.6	20.4	13.6	12.2	19.5	24.4																
Carnivora	Ursidae	*Ursus*	*maritimus*	16348	f		182,139		320.0	21.1	21.1	13.0	11.1	20.1	26.4																
Carnivora	Ursidae	*Ursus*	*maritimus*	16349	m		207,092		341.0	21.2	20.8	14.6	12.9	18.3	26.4																
Carnivora	Ursidae	*Ursus*	*maritimus*	16353	m		204,646		339.0	21.2	20.1	14.9	13.0	17.6	24.9																
Carnivora	Ursidae	*Ursus*	*maritimus*	16342	f		186,767		324.0	21.2	19.6	14.1	12.1	17.5	22.5																
Carnivora	Ursidae	*Ursus*	*maritimus*	16358	m		179,847		318.0	21.3	21.3	15.2	12.3	20.3	26.1																
Carnivora	Ursidae	*Ursus*	*maritimus*	16350	m		196,200		332.0	21.3	20.6	15.9	12.4	19.9	26.2																
Carnivora	Ursidae	*Ursus*	*maritimus*	16345	f		199,798		335.0	21.4	21.6	13.7	12.7	20.5	26.3																
Carnivora	Ursidae	*Ursus*	*maritimus*	16344	m		203,428		338.0	21.7	21.5	16.9	11.7	20.4	28.7																
Carnivora	Ursidae	*Ursus*	*arctos*	17529	m		217,024		349.0	22.0	23.7	19.4	10.9	20.5	34.1																
Carnivora	Ursidae	*Ursus*	*maritimus*	16354	m		202,215		337.0	22.0	20.7	19.8	12.8	24.3	33.8																
Carnivora	Ursidae	*Ursus*	*maritimus*	16516	m		190,277		327.0	22.5	21.0	16.5	12.9	25.3	28.2																
Carnivora	Ursidae	*Ursus*	*arctos*	4968	u	2794	238,909		366.0	24.6	25.8	19.7	14.9	17.9	31.9																
Carnivora	Ursidae	*Ursus*	*arctos*	18613	m		220,809		352.0	24.6	25.3	21.1	12.4	23.0	37.0																
Carnivora	Ursidae	*Ursus*	*arctos*	5880	m		223,350		354.0	25.3	25.7	18.0	13.8	22.1	34.3																
Carnivora	Ursidae	*Ursus*	*arctos*	7032	u	2388	240,229		367.0	25.8	27.4	19.6	15.1	23.1	39.0																
Carnivora	Ursidae	*Ursus*	*arctos*	5882	m		210,789		344.0	26.1	28.1	20.0	14.2	23.7	38.8																
Carnivora	Ursidae	*Ursus*	*arctos*	7441	m		189,103		326.0	27.1	26.5	20.5	14.0	23.8	34.9	46.7	40.1	75.7	92.5	35.9	284.7	21.6	74.2	42.3	386.0	34.8
Carnivora	Ursidae	*Ursus*	*arctos*	5612	m	1396	***	***	***	29.5	30.1	25.6	18.6	27.8	40.1																
Carnivora	Ursidae	*Ursus*	*americanus*	1875	m		149,191		289.9					19.4	24.6	39.3	27.4	63.8	81.9	33.4	267.5	22.0	60.7	38.8	350.0	41.4
Carnivora	Ursidae	*Ursus*	*maritimus*	16356	m		249,575		374.0					21.2	28.7																

Table S4. Allometric regressions developed on modern mammals

* * All = Canidae, Felidae, Mustelidae, and Ursidae; excludes Procyonidae

Signif. codes: 0= ‘* * * ’; 0.001 = * * ’; 0.01 = ‘* ’; 0.05= ‘.’; 0.1 or higher = ‘0.XXX’

Group	Y ~ X	Element (abreviations follow Table S2)	Intercept	Std. Error	Slope	Slope std error	Multiple R-square	DF	P-value
Using Campione and Evans (35) data:									
Afrotheria	BM.log ~ FE_L.log	Femur (length)	-2.558	0.3528	3.0604	0.1497	0.9929	3	***
Xenarthra	BM.log ~ FE_L.log	Femur (length)	-0.1253	2.3411	1.8958	1.1206	0.4882	3	ns
Camponi and Evans	BM.log ~ FE_L.log	Femur (length)	-2.17447	0.10392	2.90786	0.05198	0.9439	186	***
Afrotheria	BM.log ~ FE_MAPC.log	Femur (midshaft AP circ)	-0.5636	0.1618	2.8472	0.0867	0.9972	3	***
Xenarthra	BM.log ~ FE_MAPC.log	Femur (midshaft AP circ)	0.5458	0.5967	2.0468	0.3703	0.9106	3	marginal
Camponi and Evans	BM.log ~ FE_MAPC.log	Femur (midshaft AP circ)	-0.52682	0.03983	2.87355	0.02651	0.9834	198	***
Afrotheria	BM.log ~ HU_L.log	Humerus (length)	-2.01734	0.05283	2.93193	0.02178	0.9999	2	***
Xenarthra	BM.log ~ HU_L.log	Humerus (length)	2.1221	2.1263	0.8392	1.0423	0.1777	3	ns
Camponi and Evans	BM.log ~ HU_L.log	Humerus (length)	-1.72502	0.08607	2.79712	0.04474	0.9548	185	***
Afrotheria	BM.log ~ HU_MAPC.log	Humerus (midshaft AP circ)	0.01625	0.11054	2.60904	0.06036	0.9984	3	***
Xenarthra	BM.log ~ HU_MAPC.log	Humerus (midshaft AP circ)	0.5995	0.5133	2.059	0.3257	0.9302	3	***
Camponi and Evans	BM.log ~ HU_MAPC.log	Humerus (midshaft AP circ)	-0.13193	0.03764	2.66975	0.0255	0.9823	198	***
Using Mendoza et al. (33) data:									
Ungulates	BM.log ~ FLPL.log	FLPL	1.57824	0.04058	2.24617	0.15943	0.5934	136	***
Ungulates	BM.log ~ PLML.log	PLML	1.34127	0.03729	2.86687	0.14053	0.7537	136	***
Ungulates	BM.log ~ SLML.log	SLML	1.14141	0.04229	2.83511	0.13171	0.7731	136	***
Ungulates	BM.log ~ TLML.log	TLML	0.85307	0.05461	2.7975	0.13327	0.7641	136	***
Ungulates	BM.log ~ SUML.log	SUML	1.12773	0.04652	2.73615	0.13942	0.739	136	***
Ungulates	BM.log ~ PAW.log	PAW	0.03775	0.09144	2.8887	0.13931	0.7597	136	***
Present Study with museum specimens (Table S3)									
All	BM_Est.log ~ lm1_L.log	Lower M1	-0.5516	0.1579	3.9287	0.1351	0.8103	198	***
All	BM_Act.log ~ lm1_L.log	Lower M1	0.05597	0.1327	3.19731	0.12117	0.8646	109	***
Canidae	BM_Est.log ~ lm1_L.log	Lower M1	0.3534	0.1438	2.8541	0.1116	0.9263	52	***
Canidae	BM_Act.log ~ lm1_L.log	Lower M1	0.4082	0.1971	2.8058	0.1519	0.8998	38	***
Felidae	BM_Est.log ~ lm1_L.log	Lower M1	0.4863	0.1504	3.2889	0.1287	0.9382	43	***
Felidae	BM_Act.log ~ lm1_L.log	Lower M1	0.5865	0.3113	3.1779	0.2972	0.8512	20	***
Mustelidae	BM_Est.log ~ lm1_L.log	Lower M1	-0.4611	0.1034	3.6275	0.11	0.9477	60	***
Mustelidae	BM_Act.log ~ lm1_L.log	Lower M1	-0.534	0.108	3.7376	0.1172	0.9558	47	***
Ursidae	BM_Est.log ~ lm1_L.log	Lower M1	2.6699	0.3555	1.9336	0.2704	0.5802	37	***
All	BM_Est.log ~ lm2_L.log	Lower M2	2.05507	0.04756	2.23218	0.0511	0.9258	153	***
Canidae	BM_Est.log ~ lm2_L.log	Lower M2	0.4301	0.1716	3.7472	0.1786	0.8944	52	***
Felidae	BM_Est.log ~ lm2_L.log	Lower M2	--	--	--	--	--	--	--
Mustelidae	BM_Est.log ~ lm2_L.log	Lower M2	2.19684	0.05656	1.92282	0.11237	0.8299	60	***
Ursidae	BM_Est.log ~ lm2_L.log	Lower M2	3.1043	0.5029	1.5878	0.3789	0.3218	37	***
All	BM_Est.log ~ lm3_L.log	Lower M3	2.58945	0.07729	2.20156	0.08364	0.8839	91	***
Canidae	BM_Est.log ~ lm3_L.log	Lower M3	2.3139	0.1863	2.6188	0.2806	0.6306	51	***
Felidae	BM_Est.log ~ lm3_L.log	Lower M3	--	--	--	--	--	--	--
Mustelidae	BM_Est.log ~ lm3_L.log	Lower M3	--	--	--	--	--	--	--
Ursidae	BM_Est.log ~ lm3_L.log	Lower M3	3.9347	0.3663	1.0682	0.3063	0.2474	37	**
All	BM_Est.log ~ lp4_L.log	Lower premolar 4	0.7534	0.1207	3.3988	0.1235	0.7928	198	***
Canidae	BM_Est.log ~ lp4_L.log	Lower premolar 4	0.5544	0.2031	3.3177	0.1939	0.8491	52	***
Felidae	BM_Est.log ~ lp4_L.log	Lower premolar 4	0.9356	0.1307	3.0129	0.1158	0.9402	43	***
Mustelidae	BM_Est.log ~ lp4_L.log	Lower premolar 4	0.89363	0.06821	3.01753	0.0976	0.9409	60	***
Ursidae	BM_Est.log ~ lp4_L.log	Lower premolar 4	3.5564	0.2015	1.5587	0.1895	0.6465	37	***
All	BM_Est.log ~ um1_L.log	Upper molar 1	2.4075	0.1132	1.9327	0.1271	0.5375	199	***
Canidae	BM_Est.log ~ um1_L.log	Upper molar 1	1.4669	0.1312	2.5447	0.1297	0.8809	52	***
Felidae	BM_Est.log ~ um1_L.log	Upper molar 1	2.6454	0.143	3.5845	0.2944	0.7751	43	***
Mustelidae	BM_Est.log ~ um1_L.log	Upper molar 1	1.70866	0.08016	2.02747	0.12024	0.8257	60	***
Ursidae	BM_Est.log ~ um1_L.log	Upper molar 1	3.0836	0.4277	1.6579	0.3324	0.3957	38	***
All	BM_Est.log ~ um2_L.log	Upper molar 2	2.38459	0.07316	1.99229	0.06595	0.9039	97	***
Canidae	BM_Est.log ~ um2_L.log	Upper molar 2	1.2869	0.1807	3.413	0.2243	0.8165	52	***
Felidae	BM_Est.log ~ um2_L.log	Upper molar 2	--	--	--	--	--	--	--
Mustelidae	BM_Est.log ~ um2_L.log	Upper molar 2	1.623	1.3	3.078	1.988	0.5452	2	0.2616
Ursidae	BM_Est.log ~ um2_L.log	Upper molar 2	3.7099	0.4383	1.0449	0.3042	0.2322	39	**

All	BM_Est.log ~ cal_L.log	Calcaneum	0.0242	0.1757	2.5173	0.1125	0.8668	77	***
Canidae	BM_Est.log ~ cal_L.log	Calcaneum	-0.5228	0.1657	2.8264	0.1046	0.9618	29	***
Felidae	BM_Est.log ~ cal_L.log	Calcaneum	-0.819	0.4099	2.9648	0.2453	0.8796	20	***
Mustelidae	BM_Est.log ~ cal_L.log	Calcaneum	0.8131	0.3552	1.9766	0.2692	0.7394	19	***
Ursidae	BM_Est.log ~ cal_L.log	Calcaneum	2.4665	1.3765	1.4389	0.7467	0.5531	3	0.1496
All	BM_Est.log ~ hue_B.log	Humerus (B)	0.0405	0.06632	2.68299	0.04707	0.9713	96	***
Canidae	BM_Est.log ~ hue_B.log	Humerus (B)	0.1083	0.168	2.6819	0.1169	0.9427	32	***
Felidae	BM_Est.log ~ hue_B.log	Humerus (B)	0.2138	0.1931	2.5861	0.128	0.9445	24	***
Mustelidae	BM_Est.log ~ hue_B.log	Humerus (B)	0.15426	0.07272	2.51467	0.06112	0.982	31	***
Ursidae	BM_Est.log ~ hue_B.log	Humerus (B)	2.2917	0.8769	1.4737	0.457	0.7761	3	.
All	BM_Est.log ~ huap_D.log	Humerus (APD)	1.23459	0.04663	2.55841	0.04547	0.9706	96	***
Canidae	BM_Est.log ~ huap_D.log	Humerus (APD)	1.2167	0.1172	2.5886	0.11	0.9454	32	***
Felidae	BM_Est.log ~ huap_D.log	Humerus (APD)	1.2134	0.1489	2.5908	0.1324	0.941	24	***
Mustelidae	BM_Est.log ~ huap_D.log	Humerus (APD)	1.29252	0.07088	2.44101	0.09094	0.9588	31	***
Ursidae	BM_Est.log ~ huap_D.log	Humerus (APD)	3.3308	0.5888	1.1796	0.3879	0.755	3	.
All	BM_Est.log ~ ti_L.log	Tibia	-1.939	0.2246	2.7168	0.1063	0.8743	94	***
Canidae	BM_Est.log ~ ti_L.log	Tibia	-2.984	0.3322	3.1041	0.1487	0.9316	32	***
Felidae	BM_Est.log ~ ti_L.log	Tibia	-3.4902	0.729	3.4105	0.3279	0.8185	24	***
Mustelidae	BM_Est.log ~ ti_L.log	Tibia	-2.455	0.3885	3.0755	0.215	0.8759	29	***
Ursidae	BM_Est.log ~ ti_L.log	Tibia	-0.947	0.7907	2.5158	0.328	0.9515	3	**
All	BM_Est.log ~ fe_L.log	Femur	-1.83383	0.14476	2.6683	0.06866	0.9402	96	***
Canidae	BM_Est.log ~ fe_L.log	Femur	-2.8091	0.2474	3.0663	0.1122	0.9589	32	***
Felidae	BM_Est.log ~ fe_L.log	Femur	-2.9282	0.5666	3.14	0.2533	0.8649	24	***
Mustelidae	BM_Est.log ~ fe_L.log	Femur	-2.1542	0.2216	2.9052	0.1224	0.9479	31	***
Ursidae	BM_Est.log ~ fe_L.log	Femur	-0.1844	0.6697	2.0973	0.2649	0.9543	3	**
All	BM_Est.log ~ fe_B.log	Femur (B)	0.03756	0.0555	2.75463	0.04045	0.9799	95	***
Canidae	BM_Est.log ~ fe_B.log	Femur (B)	-0.1083	0.1692	2.8353	0.1178	0.9476	32	***
Felidae	BM_Est.log ~ fe_B.log	Femur (B)	-0.005865	0.213572	2.786696	0.144617	0.9417	23	***
Mustelidae	BM_Est.log ~ fe_B.log	Femur (B)	0.04694	0.06182	2.76422	0.05518	0.9878	31	***
Ursidae	BM_Est.log ~ fe_B.log	Femur (B)	2.1902	1.3889	1.6064	0.7619	0.5971	3	0.1255
All	BM_Est.log ~ feh_D.log	Femur (HD)	0.81656	0.04723	2.68196	0.04186	0.9771	96	***
Canidae	BM_Est.log ~ feh_D.log	Femur (HD)	0.85363	0.11903	2.60167	0.09934	0.9554	32	***
Felidae	BM_Est.log ~ feh_D.log	Femur (HD)	0.6957	0.1687	2.8278	0.1393	0.945	24	***
Mustelidae	BM_Est.log ~ feh_D.log	Femur (HD)	0.80942	0.06015	2.7073	0.06899	0.9803	31	***
Ursidae	BM_Est.log ~ feh_D.log	Femur (HD)	2.3317	1.0348	1.7473	0.6486	0.7075	3	.
All	BM_Est.log ~ feap_D.log	Femur (APD)	1.2236	0.05086	2.73321	0.05295	0.9656	95	***
Canidae	BM_Est.log ~ feap_D.log	Femur (APD)	1.2805	0.1033	2.6122	0.1008	0.9559	31	***
Felidae	BM_Est.log ~ feap_D.log	Femur (APD)	0.9347	0.1552	2.9627	0.1442	0.9462	24	***
Mustelidae	BM_Est.log ~ feap_D.log	Femur (APD)	1.18563	0.06399	2.88686	0.0922	0.9693	31	***
Ursidae	BM_Est.log ~ feap_D.log	Femur (APD)	2.6556	1.0721	1.8514	0.8056	0.6377	3	0.1052

Table S5. Raw isotope data for fossil specimens

Order	Family	Genus	Species	Site ID	Unique ID	Diet	Digestion	Site Name	Age Category	Source	Tissue	Element	δ13C raw	δ13C corrected	δ15N	δ18O vsmow	δ18O vpd	C:N ratio
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	121	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	scapula	-19.5	-19.5	6.1			2.9
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	180	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	cervical vert	-19.8	-19.8	5.8			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	335	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	cervical vert	-19.9	-19.9	6.0			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	547	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	tooth	-5.5	-14.3	NA		-2.3	nd
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	833	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	innominate	-19.7	-19.7	6.2			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	835	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	radius	-19.9	-19.9	5.5			2.9
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	1413	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	metatarsal	-19.9	-19.9	5.8			2.9
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	1569	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	molar or pre	-10.8	-19.6	NA	33.4	2.5	nd
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	1751	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	tooth	-11.4	-20.2	NA	30.9	0.0	nd
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	1755	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	molar 3	-10.6	-19.4	NA		1.4	nd
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	2017	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	axis vertebra	-18.9	-18.9	6.5			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	2182	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	phalanx 1	-19.1	-19.1	6.9			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	2209	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	molar 3	-12.5	-21.3	NA		0.5	nd
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	2249	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	thoracic vert	-19.8	-19.8	6.1			2.9
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	2464	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	tooth	-10.1	-18.9	NA	31.4	0.6	nd
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	3432	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	radius	-19.3	-19.3	6.5			2.9
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	3439	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	scapula	-19.4	-19.4	6.0			2.9
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	3689	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	phalanx	-13.4	-13.4	6.1			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	3745	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	phalanx 1	-19.9	-19.9	7.0			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	3829	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	tibia	-19.0	-19.0	7.4			2.9
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	4199	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-18.5	-18.5	8.7			2.9
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	4201	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	dentary	-18.7	-18.7	6.4			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	4202	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	molar 1	-10.5	-19.3	NA	31.6	0.8	nd
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	40541	110	Herbivore	Ruminant	Starveout Cave	Holocene	Present Study	collagen	n/a	-18.9	-18.9	5.8			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	40541	1232	Herbivore	Ruminant	Starveout Cave	Holocene	Present Study	collagen	n/a	-19.1	-19.1	5.0			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	40541	1233	Herbivore	Ruminant	Starveout Cave	Holocene	Present Study	collagen	n/a	-19.5	-19.5	7.9			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	41172	267	Herbivore	Ruminant	Four Mile Ranch	Holocene	Present Study	enamel	tooth	-9.1	-17.9	NA	24.7	-5.9	nd
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	41229	10865	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	n/a	-18.6	-18.6	8.6			2.8
Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	908	938	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	n/a	bdl	nd	bdl			5.1
Artiodactyla	Antilocapridae	*Capromeryx*	*sp.*	31141	63	Herbivore	Ruminant	Aransas River	Pleistocene	Present Study	enamel	molar	-11.8	-20.7	NA	29.6	-1.3	nd
Artiodactyla	Antilocapridae	*Capromeryx*	*sp.*	998	137	Herbivore	Ruminant	Scharbauer Ranch	Pleistocene	Present Study	collagen	metatarsal	-27.4	nd	bdl			nd
Artiodactyla	Antilocapridae	*Capromeryx*	*sp.*	998	115	Herbivore	Ruminant	Scharbauer Ranch	Pleistocene	Present Study	collagen	tibia	bdl	nd	bdl			nd
Artiodactyla	Antilocapridae	*Tetrameryx*	*sp.*	40541	112	Herbivore	Ruminant	Starveout Cave	Pleistocene	Present Study	collagen	n/a	-18.1	-18.1	5.2			2.8
Artiodactyla	Bovidae	*Bison*	*antiquus*	892	2E	Herbivore	Ruminant	Lubbock Lake	Pleistocene	Present Study	enamel	molar	-1.2	-10.0	NA		-5.0	nd
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	39	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	premolar 4	0.5	-8.3	NA	31.4	0.5	nd
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	110	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	premolar 4	1.8	-7.0	NA	31.8	0.9	nd
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	473	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-0.7	-9.5	NA	29.4	-1.4	nd
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	481	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	1.1	-7.7	NA	30.0	-0.8	nd
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	638	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-2.0	-10.8	NA	30.1	-0.7	nd
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	662	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-0.8	-9.6	NA	31.8	0.9	nd
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	939	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	premolar 4	0.9	-7.9	NA	32.9	2.0	nd
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	1128	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 2	-2.2	-11.0	NA	27.4	-3.4	nd
Artiodactyla	Bovidae	*Bison*	*antiquus*	41229	1362	Herbivore	Ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metacarpal	-9.3	-9.3	10.4			2.8
Artiodactyla	Bovidae	*Bison*	*antiquus*	41229	10803	Herbivore	Ruminant	Hall's Cave	Pleistocene	Present Study	collagen	sesamoid	-12.3	-12.3	7.0			2.8
Artiodactyla	Bovidae	*Bison*	*antiquus*	937	492	Herbivore	Ruminant	Blackwater Draw	Pleistocene	Present Study	collagen	skull	-28.2	nd	bdl			nd
Artiodactyla	Bovidae	*Bison*	*antiquus*	30967	1230	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	collagen	skull	bdl	nd	bdl			nd
Artiodactyla	Bovidae	*Bison*	*bison*	892	218	Herbivore	Ruminant	Lubbock Lake	Holocene	Present Study	collagen	skull	-8.1	-8.1	7.7			3.0
Artiodactyla	Bovidae	*Bison*	*bison*	892	6CK-1	Herbivore	Ruminant	Lubbock Lake	Holocene	Present Study	collagen	skull	-8.9	-8.9	7.6			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	892	6CK-2	Herbivore	Ruminant	Lubbock Lake	Holocene	Present Study	collagen	skull	-8.3	-8.3	7.9			2.8
Artiodactyla	Bovidae	*Bison*	*bison*	892	6K or 6A	Herbivore	Ruminant	Lubbock Lake	Holocene	Present Study	collagen	skull	-9.0	-9.0	6.3			2.8
Artiodactyla	Bovidae	*Bison*	*bison*	908	248	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	tibia	-11.3	-11.3	6.1			2.8
Artiodactyla	Bovidae	*Bison*	*bison*	908	250	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	astragalus	-11.8	-11.8	6.9			3.0
Artiodactyla	Bovidae	*Bison*	*bison*	908	259	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	lumbar verte	-10.0	-10.0	5.5			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	343	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	rib	-10.8	-10.8	5.4			3.0
Artiodactyla	Bovidae	*Bison*	*bison*	908	565	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	tibia	-9.6	-9.6	6.6			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	571	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	sesamoid	-13.0	-13.0	6.3			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	816	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	ulna	-9.3	-9.3	5.1			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	829	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	femur	-10.9	-10.9	5.7			2.8
Artiodactyla	Bovidae	*Bison*	*bison*	908	831	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	tibia	-10.8	-10.8	5.3			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	832	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	lumbar verte	-9.7	-9.7	5.7			3.1
Artiodactyla	Bovidae	*Bison*	*bison*	908	834	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	ilium	-9.6	-9.6	5.3			3.0
Artiodactyla	Bovidae	*Bison*	*bison*	908	1089	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	radius	-9.2	-9.2	5.6			2.8
Artiodactyla	Bovidae	*Bison*	*bison*	908	1937	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	petrosal	-10.0	-10.0	5.3			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	2003	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	phalanx 1	-11.3	-11.3	6.4			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	2139	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	radius	-11.9	-11.9	6.5			3.0
Artiodactyla	Bovidae	*Bison*	*bison*	908	2140	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	humerus	-11.5	-11.5	6.4			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	2142	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	phalanx	-12.3	-12.3	6.0			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	2230	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	tooth	-1.6	-10.4	NA	30.2	-0.6	nd
Artiodactyla	Bovidae	*Bison*	*bison*	908	2301	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	tooth	-4.4	-13.2	NA	30.4	-0.4	nd
Artiodactyla	Bovidae	*Bison*	*bison*	908	2386	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	tooth	-3.2	-12.0	NA	28.5	-2.2	nd
Artiodactyla	Bovidae	*Bison*	*bison*	908	2396	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	incisor	0.3	-8.6	NA	29.3	-1.5	nd
Artiodactyla	Bovidae	*Bison*	*bison*	908	3364	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	tibia	-10.0	-10.0	5.5			2.8
Artiodactyla	Bovidae	*Bison*	*bison*	908	3438	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	scapula	-9.9	-9.9	6.7			3.0
Artiodactyla	Bovidae	*Bison*	*bison*	908	3474	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	thoracic vert	-11.2	-11.2	7.2			3.0
Artiodactyla	Bovidae	*Bison*	*bison*	908	3841	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	tibia	-8.5	-8.5	5.8			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	3850	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	humerus	-11.9	-11.9	6.2			2.8
Artiodactyla	Bovidae	*Bison*	*bison*	908	4352	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	tooth	-4.8	-13.6	NA		2.0	nd
Artiodactyla	Bovidae	*Bison*	*bison*	908	4353	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	phalanx 2	-11.5	-11.5	6.5			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	500a	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	rib	-9.3	-9.3	5.5			2.9
Artiodactyla	Bovidae	*Bison*	*bison*	908	500b	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	rib	-8.7	-8.7	5.7			3.0
Artiodactyla	Bovidae	*Bison*	*bison*	937	na	Herbivore	Ruminant	Blackwater Draw	Holocene	Present Study	enamel	tooth	-1.9	-10.7	NA	20.8	-9.8	nd
Artiodactyla	Bovidae	*Bison*	*bison*	937	na	Herbivore	Ruminant	Blackwater Draw	Holocene	Present Study	enamel	tooth	-0.8	-9.6	NA	28.1	-2.7	nd
Artiodactyla	Bovidae	*Bison*	*bison*	40806	37	Herbivore	Ruminant	Bonfire Shelter	Holocene	Koch 2004	enamel	molar 2	-0.2	-9.0	NA	28.5	-2.3	nd
Artiodactyla	Bovidae	*Bison*	*bison*	40806	496	Herbivore	Ruminant	Bonfire Shelter	Holocene	Koch 2004	enamel	molar 2	0.7	-8.1	NA	26.3	-4.5	nd
Artiodactyla	Bovidae	*Bison*	*bison*	43423	1	Herbivore	Ruminant	Mustang Branch	Holocene	Present Study	collagen	skull	-9.5	-9.5	5.8			2.8

Artiodactyla	Bovidae	*Bison*	*bison*	45817	1	Herbivore	Ruminant	77 Ranch	Holocene	Present Study	collagen	skull	-12.8	-12.8	6.0			3.0
Artiodactyla	Bovidae	*Bison*	*bison*	BDM	9816	Herbivore	Ruminant	Blackwater Draw	Holocene	Koch 2004	enamel	tooth	-1.3	-10.1	NA	26.4	-4.3	nd
Artiodactyla	Bovidae	*Bison*	*bison*	BDM	814A	Herbivore	Ruminant	Blackwater Draw	Holocene	Koch 2004	enamel	tooth	0.8	-8.0	NA	24.8	-5.9	nd
Artiodactyla	Bovidae	*Bison*	*bison*	BDM	na	Herbivore	Ruminant	Blackwater Draw	Holocene	Koch 2004	enamel	molar	-1.9	-10.7	NA	20.8	-9.8	nd
Artiodactyla	Bovidae	*Bison*	*bison*	BDM	na	Herbivore	Ruminant	Blackwater Draw	Holocene	Koch 2004	enamel	molar	-0.8	-9.6	NA	28.1	-2.7	nd
Artiodactyla	Bovidae	*Bison*	*bison*	BDM	na	Herbivore	Ruminant	Blackwater Draw	Holocene	Koch 2004	enamel	molar	0.3	-8.5	NA	26.8	-3.9	nd
Artiodactyla	Bovidae	*Bison*	*bison*	BDM	na	Herbivore	Ruminant	Blackwater Draw	Holocene	Koch 2004	enamel	tooth	0.9	-7.9	NA	25.6	-5.1	nd
Artiodactyla	Bovidae	*Bison*	*bison*	BDM	na	Herbivore	Ruminant	Blackwater Draw	Holocene	Koch 2004	enamel	tooth	1.8	-7.0	NA	27.3	-3.5	nd
Artiodactyla	Bovidae	*Bison*	*bison*	MSU	7324	Herbivore	Ruminant	Schulze Cave	Holocene	Koch 2004	enamel	premolar	-1.9	-10.7	NA	25.9	-4.8	nd
Artiodactyla	Bovidae	*Bison*	*bison*	SMP	61893	Herbivore	Ruminant	Keller Springs	Holocene	Koch 2004	enamel	molar 3	0.2	-8.7	NA	26.7	-4.0	nd
Artiodactyla	Bovidae	*Bison*	*bison*	892	misc	Herbivore	Ruminant	Lubbock Lake	Holocene	Present Study	collagen	dentary	bdl	nd	bdl			nd
Artiodactyla	Bovidae	*Bison*	*latifrons (cf)*	933	3390	Herbivore	Ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 3	0.3	-8.5	NA	29.0	-1.8	nd
Artiodactyla	Bovidae	*Bison*	*latifrons (cf)*	1273	1	Herbivore	Ruminant	na	Pleistocene	Present Study	collagen	skull	-27.0	nd	1.0			9.0
Artiodactyla	Bovidae	*Bison*	*sp.*	933	2198	Herbivore	Ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar	-2.1	-10.9	NA	31.0	0.1	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	933	3002	Herbivore	Ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 3	-1.1	-9.9	NA	29.4	-1.4	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	933	3285	Herbivore	Ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 2	-2.8	-11.6	NA	28.5	-2.3	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	933	3525	Herbivore	Ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 1 or 2	-2.0	-10.8	NA	29.1	-1.7	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	937	907	Herbivore	Ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	molar 2	1.4	-7.4	NA	28.1	-2.6	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	13	Herbivore	Ruminant	Sitter Ranch	Pleistocene	Present Study	collagen	n/a	-9.2	-9.2	6.1			2.9
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	70	Herbivore	Ruminant	Sitter Ranch	Pleistocene	Present Study	collagen	dentary	-8.2	-8.2	6.3			2.8
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	71	Herbivore	Ruminant	Sitter Ranch	Pleistocene	Present Study	collagen	dentary	-10.1	-10.1	6.3			3.1
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	72	Herbivore	Ruminant	Sitter Ranch	Pleistocene	Present Study	collagen	dentary	-9.7	-9.7	6.9			3.0
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	75	Herbivore	Ruminant	Sitter Ranch	Pleistocene	Present Study	collagen	dentary	-8.3	-8.3	7.5			2.9
Artiodactyla	Bovidae	*Bison*	*sp.*	30907	13	Herbivore	Ruminant	Leo.Boatright.Pit	Pleistocene	Koch 2004	enamel	molar 1 or 2	-1.9	-10.7	NA	28.7	-2.1	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	30907	33	Herbivore	Ruminant	Leo.Boatright.Pit	Pleistocene	Koch 2004	enamel	molar 1 or 2	-0.5	-9.3	NA	29.5	-1.3	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	30967	694	Herbivore	Ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 3	-0.7	-9.5	NA	29.9	-0.9	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	30967	930	Herbivore	Ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	0.4	-8.4	NA	31.9	1.0	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	30967	1638	Herbivore	Ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 3	-2.0	-10.8	NA	30.1	-0.7	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	30967	1662	Herbivore	Ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar	-0.8	-9.7	NA	31.8	0.9	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	30967	2473	Herbivore	Ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 3	-0.7	-9.5	NA	29.4	-1.5	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	30967	2481	Herbivore	Ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 3	1.2	-7.7	NA	30.0	-0.8	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	31030	2A	Herbivore	Ruminant	Valley Farms	Pleistocene	Koch 2004	enamel	molar	0.0	-8.8	NA	30.3	-0.6	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	31030	2B	Herbivore	Ruminant	Valley Farms	Pleistocene	Koch 2004	enamel	molar	-1.3	-10.2	NA	28.0	-2.8	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	31141	49	Herbivore	Ruminant	Aransas River	Pleistocene	Present Study	enamel	molar 1	-4.1	-12.9	NA	29.3	-1.6	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	31141	92	Herbivore	Ruminant	Aransas River	Pleistocene	Present Study	enamel	molar 3	-3.9	-12.7	NA	27.4		nd
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	280	Herbivore	Ruminant	ave Without A Nam	Pleistocene	Present Study	enamel	tooth	-4.1	-13.0	NA	28.9	-1.9	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	437	Herbivore	Ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	petrosal	-10.8	-10.8	9.3			3.1
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	585	Herbivore	Ruminant	ave Without A Nam	Pleistocene	Koch 2004	enamel	molar	-3.8	-12.6	NA	28.0	-2.8	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	1619	Herbivore	Ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	n/a	-14.9	-14.9	10.2			3.0
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	1619	Herbivore	Ruminant	ave Without A Nam	Pleistocene	Present Study	enamel	premolar	-6.2	-15.0	NA	26.5		nd
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	1975	Herbivore	Ruminant	ave Without A Nam	Pleistocene	Present Study	enamel	molar	-2.0	-10.8	NA	29.8	-1.0	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	1976	Herbivore	Ruminant	ave Without A Nam	Pleistocene	Present Study	enamel	tooth	-5.7	-14.5	NA		0.0	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	2552	Herbivore	Ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	thoracic vert	-11.4	-11.4	9.6			3.3
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	2554	Herbivore	Ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	calcaneus	-9.9	-9.9	9.1			3.0
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	2560	Herbivore	Ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	lumbar verte	-14.1	-14.1	8.9			3.0
Artiodactyla	Bovidae	*Bison*	*sp.*	40450	2571	Herbivore	Ruminant	ave Without A Nam	Pleistocene	Present Study	enamel	molar	-2.6	-11.4	NA		-5.9	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	41229	7198	Herbivore	Ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-14.8	-14.8	11.6			3.0
Artiodactyla	Bovidae	*Bison*	*sp.*	41229	10809	Herbivore	Ruminant	Hall's Cave	Pleistocene	Present Study	collagen	phalanx	-8.3	-8.3	9.7			2.8
Artiodactyla	Bovidae	*Bison*	*sp.*	41229	11925	Herbivore	Ruminant	Hall's Cave	Pleistocene	Present Study	collagen	premolar 4 r	-11.2	-11.2	8.2			2.8
Artiodactyla	Bovidae	*Bison*	*sp.*	41229	19786	Herbivore	Ruminant	Hall's Cave	Pleistocene	Present Study	collagen	phalanx	-12.0	-12.0	7.4			2.8
Artiodactyla	Bovidae	*Bison*	*sp.*	41229	19787	Herbivore	Ruminant	Hall's Cave	Pleistocene	Present Study	collagen	phalanx	-12.3	-12.3	7.2			2.8
Artiodactyla	Bovidae	*Bison*	*sp.*	41229	uncat	Herbivore	Ruminant	Hall's Cave	Pleistocene	Present Study	collagen	bone	-11.3	-11.3	7.2			2.8
Artiodactyla	Bovidae	*Bison*	*sp.*	BDM	9789	Herbivore	Ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	tooth	1.1	-7.7	NA	25.2	-5.5	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	BDM	na	Herbivore	Ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	tooth	-1.3	-10.1	NA	28.0	-2.8	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	BDM	na	Herbivore	Ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	tooth	0.4	-8.4	NA	26.2	-4.5	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	BDM	na	Herbivore	Ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	tooth	0.9	-7.9	NA	29.7	-1.1	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	MSU	2825	Herbivore	Ruminant	Howard Ranch	Pleistocene	Koch 2004	enamel	premolar	2.8	-6.0	NA	30.8	0.0	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	SMP	60178	Herbivore	Ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.1	-10.9	NA	27.9	-2.8	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	SMP	60608	Herbivore	Ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	molar	-3.4	-12.2	NA	26.2	-4.5	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	SMP	60849	Herbivore	Ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	premolar	-1.3	-10.1	NA	28.4	-2.4	nd
Artiodactyla	Bovidae	*Bison*	*sp.*	892	270	Herbivore	Ruminant	Lubbock Lake	Pleistocene	Present Study	collagen	skull	-28.0	nd	bdl			nd
Artiodactyla	Bovidae	*Bison*	*sp.*	937	589	Herbivore	Ruminant	Blackwater Draw	Pleistocene	Present Study	collagen	n/a	-27.8	nd	bdl			nd
Artiodactyla	Bovidae	*Bison*	*sp.*	892	484	Herbivore	Ruminant	Lubbock Lake	Pleistocene	Present Study	collagen	skull	-27.3	nd	bdl			24.1
Artiodactyla	Bovidae	*Bison*	*sp.*	30967	94	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	collagen	scapula	-26.4	nd	4.4			7.8
Artiodactyla	Bovidae	*Bison*	*sp.*	1018	69	Herbivore	Ruminant	Sitter Ranch	Pleistocene	Present Study	collagen	dentary	-12.3	-12.3	6.5			3.4
Artiodactyla	Bovidae	*Bison*	*sp.*	30839	111	Herbivore	Ruminant	Morhiss Mound	Pleistocene	Present Study	collagen	skull	-11.8	-11.8	9.6			3.1
Artiodactyla	Bovidae	*Bison*	*sp.*	41229	12138	Herbivore	Ruminant	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-10.7	-10.7	10.6			2.8
Artiodactyla	Camelidae	*Camelops*	*hesternus*	933	1922	Herbivore	Ruminant	Friesenhahn Cave	Pleistocene	Present Study	enamel	molar 3	-7.2	-16.0	NA		0.0	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	290	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar	-10.9	-19.7	NA	29.5	-1.3	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	915	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 2	-12.0	-20.8	NA	29.2	-1.6	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	TMM	2184b	Herbivore	Ruminant	Cameron	Pleistocene	Present Study	enamel	molar	-9.5	-18.3	NA	30.0	-0.8	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	908	2391	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	cuboid	-27.9	nd	bdl			nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	1599	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	collagen	skull	-27.3	nd	bdl			53.4
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	1595	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	collagen	n/a	-24.9	nd	bdl			5.4
Artiodactyla	Camelidae	*Camelops*	*hesternus*	908	2393	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	mesocuneifo	bdl	nd	bdl			nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	177	2184b	Herbivore	Ruminant	Cameron	Pleistocene	Present Study	enamel	molar	-1.8	-10.6	NA		-3.3	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	908	2373	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	tooth	-9.3	-18.1	NA	31.3	0.4	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	908	2382	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	tooth	-7.9	-16.7	NA	29.7	-1.1	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	908	2407	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	tooth	-8.7	-17.5	NA		-1.7	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	1295	28	Herbivore	Ruminant	Clamp Cave	Pleistocene	Present Study	enamel	molar	-7.6	-16.4	NA	29.6	-1.2	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	1295	30	Herbivore	Ruminant	Clamp Cave	Pleistocene	Present Study	enamel	molar	-3.0	-11.8	NA	29.0	-1.8	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	42	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar	-10.8	-19.6	NA		-3.2	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	77	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-2.0	-10.8	NA	29.3	-1.5	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	142	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	1.0	-7.8	NA	30.5	-0.3	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	182	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-10.6	-19.4	NA	31.0	0.1	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	236	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	premolar	-9.8	-18.6	NA	31.3	0.4	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	237	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 1 or 2	-9.9	-18.7	NA	30.3	-0.5	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	239	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-10.7	-19.5	NA	31.1	0.2	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	240	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 2	-11.7	-20.5	NA	30.8	-0.1	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	290	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-10.9	-19.7	NA	29.5	-1.3	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	915	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 2	-12.0	-20.8	NA	29.2	-1.6	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	1240	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 2	-11.4	-20.2	NA	27.6	-3.1	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	2142	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 3	0.6	-8.3	NA	28.7	-2.1	nd

Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	2237	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-9.8	-18.6	NA		-2.0	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	2238	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 1	-11.1	-19.9	NA		-3.1	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	30967	2239	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-9.5	-18.3	NA	28.8		nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31141	50	Herbivore	Ruminant	Aransas River	Pleistocene	Present Study	enamel	molar	-11.4	-20.2	NA	28.4	-2.4	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	31141	95	Herbivore	Ruminant	Aransas River	Pleistocene	Present Study	enamel	molar 1	-6.4	-15.2	NA		-3.7	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	40685	814	Herbivore	Ruminant	Zesch Cave	Pleistocene	Present Study	enamel	molar	-0.2	-9.0	NA	28.7	-2.1	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	40685	814a	Herbivore	Ruminant	Zesch Cave	Pleistocene	Present Study	enamel	tooth	0.2	-8.7	NA		-1.0	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	40685	814b	Herbivore	Ruminant	Zesch Cave	Pleistocene	Present Study	enamel	tooth	-0.3	-9.1	NA		-2.5	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	42263	1	Herbivore	Ruminant	na	Pleistocene	Present Study	enamel	molar	0.3	-8.6	NA		0.7	nd
Artiodactyla	Camelidae	*Camelops*	*hesternus*	ET	5416	Herbivore	Ruminant	Lake Tawakoni	Pleistocene	Present Study	collagen	metapodial	bdl	nd	bdl			nd
Artiodactyla	Camelidae	*Hemiauchenia*	*sp.*	40685	676	Herbivore	Ruminant	Zesch Cave	Pleistocene	Present Study	collagen	dentary	-27.8	nd	bdl			43.4
Artiodactyla	Camelidae	*Hemiauchenia*	*sp.*	40685	832	Herbivore	Ruminant	Zesch Cave	Pleistocene	Present Study	collagen	maxilla	bdl	nd	bdl			nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	90	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-11.4	-20.2	NA	31.3	0.4	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	289	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-12.4	-21.2	NA	31.9	1.0	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	314	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-10.4	-19.2	NA	31.5	0.6	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	500	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 1 or 2	-10.6	-19.4	NA	29.2	-1.6	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	567	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-11.7	-20.5	NA	30.1	-0.7	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	584	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-12.2	-21.0	NA	32.6	1.7	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	585	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-10.6	-19.4	NA	31.7	0.8	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	676	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-12.1	-20.9	NA	31.6	0.7	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	916	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 1	-11.2	-20.0	NA		1.1	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	920	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-11.3	-20.1	NA	29.9	-0.9	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	944	Herbivore	Ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-12.3	-21.1	NA	31.1	0.2	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	1028	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 1	-9.9	-18.7	NA	31.0	0.2	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	1181	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar	-12.1	-20.9	NA	27.1	-3.7	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	1682	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 1	-11.9	-20.8	NA		-0.9	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	2585	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 3	-10.1	-18.9	NA	30.3	-0.6	nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	874	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	collagen	skull	-27.2	nd	bdl			nd
Artiodactyla	Camelidae	*Palaeolama*	*mirifica*	30967	1778	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	collagen	n/a	bdl	nd	bdl			nd
Artiodactyla	Cervidae	*Navahocerus*	*fricki*	804	85	Herbivore	Ruminant	Montell Shelter	Pleistocene	Present Study	enamel	molar 1	-9.5	-18.3	NA		-5.4	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	804	110	Herbivore	Ruminant	Montell Shelter	Pleistocene	Present Study	collagen	n/a	-19.1	-19.1	5.4			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	804	141	Herbivore	Ruminant	Montell Shelter	Pleistocene	Present Study	collagen	n/a	-19.4	-19.4	5.3			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	84	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	molar or pre	-13.4	-22.3	NA	30.6	-0.2	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	131	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	n/a	-20.7	-20.7	5.3			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	263	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	scapula	-18.8	-18.8	6.9			3.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	330	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	n/a	-17.9	-17.9	7.3			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	360	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	scapula	-19.9	-19.9	5.6			3.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	403	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	tooth root	-18.1	-18.1	8.1			3.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	709	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal	-17.6	-17.6	6.6			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	818	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal	-19.9	-19.9	6.1			3.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	825	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	n/a	-19.8	-19.8	6.0			3.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	826	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-18.1	-18.1	5.4			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1438	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	rib	-19.7	-19.7	5.3			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1629	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal	-19.3	-19.3	6.1			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1672	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	n/a	-17.5	-17.5	7.5		-0.8	2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1756	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	enamel	premolar 4	-9.9	-18.7	NA	29.8	-1.0	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1879	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal	-18.5	-18.5	7.7			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	2184	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	n/a	-20.8	-20.8	5.2			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	2229	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal	-20.1	-20.1	5.8			3.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	2255	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	thoracic vert	-20.7	-20.7	5.3			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	2280	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	n/a	-17.9	-17.9	5.9			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3255	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	phalanx 1	-19.8	-19.8	5.4			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3306	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	metatarsal	-19.4	-19.4	7.1			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3348	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	n/a	-20.4	-20.4	5.8			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3469	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	dentary	-19.5	-19.5	4.7			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3614	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	n/a	-20.4	-20.4	5.8			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3832	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	molar 2 root	-17.7	-17.7	6.9			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3833	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	dentary	-19.0	-19.0	7.9			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3837	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	phalanx 1	-18.3	-18.3	7.8			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3839	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	phalanx 1	-17.1	-17.1	6.1			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3922	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	phalanx 1	-15.9	-15.9	7.5			3.3
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3924	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-19.4	-19.4	9.5			3.1
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3925	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	tooth root	-18.1	-18.1	8.0			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3943	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal	-19.9	-19.9	6.8			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3945	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal	-19.5	-19.5	5.9			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3950	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal	-18.5	-18.5	7.9			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3953	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	metatarsal	-19.9	-19.9	6.2			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3959	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	radius	-16.8	-16.8	8.7			3.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3987	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-19.4	-19.4	6.4			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3990	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	dentary	-19.6	-19.6	6.1			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3991	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	dentary	-18.4	-18.4	6.3			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3992	Herbivore	Ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	dentary	-19.8	-19.8	6.0			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3994	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	tooth root	-19.3	-19.3	6.9			2.7
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	4113	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	n/a	-19.9	-19.9	6.5			3.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	933	3675	Herbivore	Ruminant	Friesenhahn Cave	Pleistocene	Present Study	enamel	molar 3	-11.7	-20.6	NA	28.1	-2.7	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	933	3962	Herbivore	Ruminant	Friesenhahn Cave	Pleistocene	Present Study	collagen	n/a	-20.9	-20.9	6.1			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	107	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	premolar 3	-12.1	-20.9	NA	29.3	-1.5	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	107	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-11.9	-20.7	NA	31.9	1.0	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	305	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-11.5	-20.3	NA	29.5	-1.3	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	393	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-10.8	-19.6	NA	28.2	-2.6	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	516	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-13.1	-21.9	NA	28.6	-2.2	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	628	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-13.2	-22.0	NA	26.1	-4.6	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	1869	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-12.1	-21.0	NA	31.9	1.0	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	107a	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-11.9	-20.7	NA	31.9	1.0	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	1869a	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-12.4	-21.2	NA	31.1	0.3	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	87	Herbivore	Ruminant	Levi Rock Shelter	Holocene	Present Study	enamel	molar	-11.2	-20.1	NA	30.6	-0.3	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	127	Herbivore	Ruminant	Levi Rock Shelter	Holocene	Present Study	enamel	molar 1	-14.0	-22.9	NA		-4.7	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	133	Herbivore	Ruminant	Levi Rock Shelter	Holocene	Present Study	enamel	molar 1	-11.4	-20.3	NA		-2.1	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	13	Herbivore	Ruminant	Wunderlich Site	Holocene	Present Study	collagen	n/a	-19.8	-19.8	5.6			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	93	Herbivore	Ruminant	Wunderlich Site	Holocene	Present Study	collagen	n/a	-19.6	-19.6	6.7			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	101	Herbivore	Ruminant	Wunderlich Site	Holocene	Present Study	collagen	n/a	-14.0	-14.0	7.8			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	102	Herbivore	Ruminant	Wunderlich Site	Holocene	Present Study	collagen	dentary	-19.8	-19.8	5.5			3.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	125	Herbivore	Ruminant	Wunderlich Site	Holocene	Present Study	collagen	maxilla	-21.0	-21.0	5.1			3.0

Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	125	Herbivore	Ruminant	Wunderlich Site	Holocene	Present Study	enamel	molar 2	-10.3	-19.1	NA	29.9	-0.9	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40451	139	Herbivore	Ruminant	Wunderlich Site	Holocene	Present Study	enamel	molar	-9.4	-18.3	NA	28.9	-1.9	nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	462	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-19.5	-19.5	5.7			2.7
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	643	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-19.5	-19.5	7.8			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	645	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	metacarpal	-18.9	-18.9	7.1			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	646	Herbivore	Ruminant	Hall's Cave	Pleistocene	Present Study	collagen	tibia	-19.2	-19.2	11.1			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	672	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	naviculocubc	-19.9	-19.9	5.7			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	673	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-19.9	-19.9	6.7			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	675	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	orbit	-18.3	-18.3	5.7			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	676	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	jugal	-18.3	-18.3	5.8			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	868	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-19.5	-19.5	5.9			2.7
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	975	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	fibula	-18.8	-18.8	5.0			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	1001	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	n/a	-17.2	-17.2	7.3			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	1055	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	phalanx	-20.0	-20.0	4.5			2.7
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	8097	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	cuneiform	-19.6	-19.6	6.7			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	9333	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	phalanx 2	-19.6	-19.6	5.8			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	9869	Herbivore	Ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-20.4	-20.4	5.9			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	41229	10810	Herbivore	Ruminant	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-18.4	-18.4	10.3			2.8
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	43133	1112	Herbivore	Ruminant	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-19.8	-19.8	6.9			3.1
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	43133	1113	Herbivore	Ruminant	Bering Sinkhole	Holocene	Present Study	collagen	molar root	-19.5	-19.5	8.3			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	43133	1115	Herbivore	Ruminant	Bering Sinkhole	Holocene	Present Study	collagen	molar root	-18.7	-18.7	7.0			3.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	43133	1123	Herbivore	Ruminant	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-18.2	-18.2	6.1			3.1
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	43136	1	Herbivore	Ruminant	Fawcett's Cave	Pleistocene	Present Study	collagen	humerus	-18.5	-18.5	7.7			2.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	129	Herbivore	Ruminant	Levi Rock Shelter	Holocene	Present Study	collagen	humerus	-24.3	nd	-1.1			4.3
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	40449	127a	Herbivore	Ruminant	Levi Rock Shelter	Holocene	Present Study	collagen	dentary	-24.0	nd	1.1			4.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	933	3013	Herbivore	Ruminant	Friesenhahn Cave	Pleistocene	Present Study	collagen	n/a	-20.8	-20.8	8.0			3.9
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	933	458	Herbivore	Ruminant	Friesenhahn Cave	Pleistocene	Present Study	collagen	n/a	-20.1	-20.1	7.8			3.5
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1080	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-18.7	nd	5.9			7.3
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	3997	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	cervical verte	-18.7	nd	bdl			9.0
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	908	1080	Herbivore	Ruminant	Kincaid Shelter	Holocene	Present Study	collagen	dentary	bdl	nd	bdl			nd
Artiodactyla	Cervidae	*Odocoileus*	*sp.*	30967	106	Herbivore	Ruminant	Ingleside	Pleistocene	Present Study	collagen	n/a	bdl	nd	bdl			nd
Artiodactyla	Tayassuidae	*Pecari*	*tajacu*	40685	1	Herbivore	Non-ruminant	Zesch Cave	Pleistocene	Present Study	collagen	n/a	-16.5	-16.5	7.3			3.0
Artiodactyla	Tayassuidae	*Pecari*	*tajacu*	40685	UNM001	Herbivore	Non-ruminant	Zesch Cave	Pleistocene	Present Study	collagen	n/a	-15.8	-15.8	7.0			3.3
Artiodactyla	Tayassuidae	*Pecari*	*tajacu*	41229	8240	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	phalanx	-16.4	-16.4	6.1			2.9
Artiodactyla	Tayassuidae	*Pecari*	*tajacu*	41229	10809	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	n/a	-16.6	-16.6	6.8			3.0
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	30967	108	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-9.1	-17.9	NA	32.3	1.4	nd
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	30967	918	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-8.8	-17.6	NA	32.6	1.7	nd
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	30967	108a	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-9.1	-17.9	NA	32.3	1.4	nd
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	30967	918a	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-8.8	-17.6	NA	32.6	1.7	nd
Artiodactyla	Tayassuidae	*Platygonus*	*compressus*	41229	1364	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-13.2	nd	7.8			5.1
Carnivora	Canidae	*Canis*	*dirus*	908	118	Carnivore	Carnivore	Kincaid Shelter	Pleistocene	Present Study	collagen	canine root	-10.8	-10.8	11.4			2.9
Carnivora	Canidae	*Canis*	*dirus*	908	2354	Carnivore	Carnivore	Kincaid Shelter	Pleistocene	Present Study	enamel	canine	-4.2	-9.2	NA	29.1	-1.7	nd
Carnivora	Canidae	*Canis*	*dirus*	933	326	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	premolar roo	-11.2	-11.2	12.7			3.1
Carnivora	Canidae	*Canis*	*dirus*	933	2201	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	enamel	canine	-6.4	-11.4	NA	27.8	-3.0	nd
Carnivora	Canidae	*Canis*	*dirus*	933	2201a	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	canine root	-11.3	-11.3	12.9			3.2
Carnivora	Canidae	*Canis*	*dirus*	31141	62	Carnivore	Carnivore	Aransas River	Pleistocene	Present Study	enamel	molar 1	-5.5	-10.5	NA	29.9	-1.0	nd
Carnivora	Canidae	*Canis*	*dirus*	41229	3543	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	n/a	-12.7	-12.7	12.9			2.7
Carnivora	Canidae	*Canis*	*dirus*	41229	10802	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	n/a	-12.6	-12.6	13.7			2.7
Carnivora	Canidae	*Canis*	*dirus*	908	2430	Carnivore	Carnivore	Kincaid Shelter	Pleistocene	Present Study	collagen	premolar roo	-28.1	nd	bdl			nd
Carnivora	Canidae	*Canis*	*dirus*	908	2428	Carnivore	Carnivore	Kincaid Shelter	Pleistocene	Present Study	collagen	canine root	-27.8	nd	bdl			nd
Carnivora	Canidae	*Canis*	*dirus*	30967	172a	Carnivore	Carnivore	Ingleside	Pleistocene	Present Study	collagen	humerus	-24.9	nd	bdl			5.8
Carnivora	Canidae	*Canis*	*dirus*	40449	175	Carnivore	Carnivore	Levi Rock Shelter	Pleistocene	Present Study	collagen	n/a	-19.7	-19.7	7.1			3.3
Carnivora	Canidae	*Canis*	*dirus*	933	1907B	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	n/a	-19.5	nd	bdl			4.3
Carnivora	Canidae	*Canis*	*dirus*	30967	172	Carnivore	Carnivore	Ingleside	Pleistocene	Present Study	collagen	cervical verte	bdl	nd	bdl			nd
Carnivora	Canidae	*Canis*	*dirus*	908	2429	Carnivore	Carnivore	Kincaid Shelter	Pleistocene	Present Study	collagen	femur	bdl	nd	bdl			nd
Carnivora	Canidae	*Canis*	*dirus*	40449	563	Carnivore	Carnivore	Levi Rock Shelter	Pleistocene	Present Study	collagen	dentary	bdl	nd	bdl			bdl
Carnivora	Canidae	*Canis*	*familiaris*	908	383	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-14.5	-14.5	7.8			3.1
Carnivora	Canidae	*Canis*	*familiaris*	43133	220	Carnivore	Carnivore	Bering Sinkhole	Holocene	Present Study	collagen	ulna	-16.8	-16.8	9.0			3.0
Carnivora	Canidae	*Canis*	*familiaris*	43202	77	Carnivore	Carnivore	Ranny Creek Cave	Holocene	Present Study	collagen	maxilla	-19.1	-19.1	8.4			3.3
Carnivora	Canidae	*Canis*	*familiaris*	43202	79	Carnivore	Carnivore	Ranny Creek Cave	Holocene	Present Study	collagen	ulna	-19.1	-19.1	8.3			3.1
Carnivora	Canidae	*Canis*	*familiaris*	43133	219	Carnivore	Carnivore	Bering Sinkhole	Holocene	Present Study	enamel	premolar 4	bdl	nd	na			nd
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	220	27	Carnivore	Carnivore	Jess Cox Ranch	Holocene	Present Study	collagen	femur	-17.8	-17.8	10.5			2.8
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	908	3938	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	maxilla	-12.0	-12.0	10.1			2.8
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	908	3939	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	n/a	-13.8	-13.8	9.8			3.0
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	908	4262	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	skull	-16.1	-16.1	7.1			2.9
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	908	4294	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	humerus	-11.7	-11.7	9.2			2.8
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	908	4297	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	radius	-16.9	-16.9	7.7			3.0
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	908	4324	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-15.1	-15.1	9.7			3.0
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	908	4469	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	ulna	-16.5	-16.5	9.9			2.8
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	41229	6561	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-16.6	-16.6	7.9			2.8
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	43202	5	Carnivore	Carnivore	Ranny Creek Cave	Holocene	Present Study	collagen	femur	-17.1	-17.1	7.5			2.8
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	43202	73	Carnivore	Carnivore	Ranny Creek Cave	Holocene	Present Study	collagen	maxilla	-19.2	-19.2	9.7			3.3
Carnivora	Canidae	*Canis*	*familiaris/latrans (cf)*	908	4267	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	skull	bdl	nd	bdl			13.1
Carnivora	Canidae	*Canis*	*latrans*	220	36	Carnivore	Carnivore	Jess Cox Ranch	Holocene	Present Study	collagen	dentary	-16.4	-16.4	8.4			3.0
Carnivora	Canidae	*Canis*	*latrans*	908	341	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	premolar roo	-10.1	-10.1	11.4			2.9
Carnivora	Canidae	*Canis*	*latrans*	908	347	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	metatarsal 3	-10.4	-10.4	10.1			3.0
Carnivora	Canidae	*Canis*	*latrans*	908	382	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	metatarsal 3	-10.2	-10.2	9.6			2.8
Carnivora	Canidae	*Canis*	*latrans*	908	437	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	humerus	-13.8	-13.8	7.8			2.9
Carnivora	Canidae	*Canis*	*latrans*	908	820	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	lumbar verte	-13.0	-13.0	8.8			2.9
Carnivora	Canidae	*Canis*	*latrans*	908	2113	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	femur	-13.4	-13.4	11.0			2.8
Carnivora	Canidae	*Canis*	*latrans*	908	2220	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	metatarsal 2	-10.0	-10.0	9.7			2.8
Carnivora	Canidae	*Canis*	*latrans*	908	3465	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal 3	-8.3	-8.3	10.5			2.9
Carnivora	Canidae	*Canis*	*latrans*	908	3521	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	canine root	-15.1	-15.1	12.6			3.2
Carnivora	Canidae	*Canis*	*latrans*	40450	345	Carnivore	Carnivore	ave Without A Nam	Pleistocene	Present Study	collagen	tibia	-14.7	-14.7	9.0			3.0
Carnivora	Canidae	*Canis*	*latrans*	40450	1603	Carnivore	Carnivore	ave Without A Nam	Pleistocene	Present Study	collagen	n/a	-15.1	-15.1	9.7			3.1
Carnivora	Canidae	*Canis*	*latrans*	40450	1608	Carnivore	Carnivore	ave Without A Nam	Pleistocene	Present Study	collagen	n/a	-17.2	-17.2	8.1			3.0
Carnivora	Canidae	*Canis*	*latrans*	40450	1609	Carnivore	Carnivore	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-15.6	-15.6	9.1			3.0
Carnivora	Canidae	*Canis*	*latrans*	41229	294	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-16.1	-16.1	10.6			2.7
Carnivora	Canidae	*Canis*	*latrans*	41229	644	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	atlas vertebr	-15.5	-15.5	14.2			2.8
Carnivora	Canidae	*Canis*	*latrans*	41229	697	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-17.1	-17.1	8.1			2.7
Carnivora	Canidae	*Canis*	*latrans*	41229	1358	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	axis vertebra	-13.2	-13.2	7.9			2.8

Carnivora	Canidae	*Canis*	*latrans*	41229	2539	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	phalanx 2	-12.5	-12.5	8.1	2.8
Carnivora	Canidae	*Canis*	*latrans*	41229	2554	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	atlas vertebr	-16.2	-16.2	9.4	2.8
Carnivora	Canidae	*Canis*	*latrans*	41229	2588	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-14.2	-14.2	7.0	2.8
Carnivora	Canidae	*Canis*	*latrans*	41229	2598	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	metatarsal 4	-17.0	-17.0	7.2	2.8
Carnivora	Canidae	*Canis*	*latrans*	41229	4004	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-11.6	-11.6	9.6	2.8
Carnivora	Canidae	*Canis*	*latrans*	41229	11094	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	n/a	-11.9	-11.9	12.3	2.7
Carnivora	Canidae	*Canis*	*latrans*	43133	1413	Carnivore	Carnivore	Bering Sinkhole	Holocene	Present Study	collagen	humerus	-17.7	-17.7	7.2	2.9
Carnivora	Canidae	*Canis*	*latrans*	43133	1426	Carnivore	Carnivore	Bering Sinkhole	Holocene	Present Study	collagen	n/a	-11.6	-11.6	9.2	2.7
Carnivora	Canidae	*Canis*	*latrans*	43202	43	Carnivore	Carnivore	Ranny Creek Cave	Holocene	Present Study	collagen	ulna	-14.6	-14.6	8.1	2.7
Carnivora	Canidae	*Canis*	*latrans*	43481	4	Carnivore	Carnivore	West Culp Site	Holocene	Present Study	collagen	ulna	-12.3	-12.3	8.6	2.8
Carnivora	Canidae	*Canis*	*latrans*	908	2316	Carnivore	Carnivore	Kincaid Shelter	Pleistocene	Present Study	collagen	ulna	-27.7	nd	bdl	nd
Carnivora	Canidae	*Canis*	*latrans*	933	1625	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	n/a	-16.5	-16.5	10.7	3.5
Carnivora	Canidae	*Canis*	*latrans*	933	670	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	dentary	-16.2	-16.2	10.1	3.4
Carnivora	Canidae	*Canis*	*latrans*	1295	1	Carnivore	Carnivore	Clamp Cave	Pleistocene	Present Study	collagen	dentary	bdl	nd	bdl	5.0
Carnivora	Canidae	*Canis*	*latrans*	40685	773	Carnivore	Carnivore	Zesch Cave	Pleistocene	Present Study	collagen	skull	bdl	nd	bdl	nd
Carnivora	Canidae	*Canis*	*latrans*	NA	567407	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-20.6	-20.6	11.3	3.5
Carnivora	Canidae	*Canis*	*latrans*	NA	567403	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-18.2	-18.2	12.7	3.1
Carnivora	Canidae	*Canis*	*latrans*	NA	567408	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-17.9	-17.9	9.7	2.7
Carnivora	Canidae	*Canis*	*latrans*	NA	567398	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-17.6	-17.6	11.0	3.0
Carnivora	Canidae	*Canis*	*latrans*	NA	567409	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-17.5	-17.5	11.4	2.8
Carnivora	Canidae	*Canis*	*latrans*	NA	567385	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-17.5	-17.5	12.7	3.1
Carnivora	Canidae	*Canis*	*latrans*	NA	567396	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-16.7	-16.7	11.2	3.0
Carnivora	Canidae	*Canis*	*latrans*	NA	567394	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-16.2	-16.2	10.4	2.9
Carnivora	Canidae	*Canis*	*latrans*	NA	567410	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-16.1	-16.1	10.3	2.7
Carnivora	Canidae	*Canis*	*latrans*	NA	567393	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-16.0	-16.0	11.9	2.9
Carnivora	Canidae	*Canis*	*latrans*	NA	567411	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-15.7	-15.7	10.2	2.7
Carnivora	Canidae	*Canis*	*latrans*	NA	567383	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-15.5	-15.5	10.1	2.7
Carnivora	Canidae	*Canis*	*latrans*	NA	567382	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-15.3	-15.3	11.4	2.7
Carnivora	Canidae	*Canis*	*latrans*	NA	567395	Carnivore	Carnivore	Texas	Modern	Present Study	collagen	bone	-14.0	-14.0	10.0	2.9
Carnivora	Canidae	*Canis*	*lupus*	892	256	Carnivore	Carnivore	Lubbock Lake	Pleistocene	Present Study	collagen	maxilla	-11.9	-11.9	10.1	3.0
Carnivora	Canidae	*Canis*	*lupus*	41229	700	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	metacarpal	-9.4	-9.4	10.4	2.8
Carnivora	Canidae	*Canis*	*lupus*	41229	3575	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-7.7	-7.7	11.7	2.8
Carnivora	Canidae	*Canis*	*lupus*	41229	3743	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	n/a	-16.5	-16.5	12.6	2.8
Carnivora	Canidae	*Canis*	*lupus*	41229	10812	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal 3	-11.6	-11.5	12.6	2.9
Carnivora	Canidae	*Canis*	*lupus*	41229	12042	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-10.6	-10.6	10.9	2.9
Carnivora	Canidae	*Canis*	*lupus*	41229	15781	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.7	-17.7	6.3	2.9
Carnivora	Canidae	*Canis*	*lupus*	41229	19882	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-17.3	-17.3	7.7	2.9
Carnivora	Canidae	*Canis*	*lupus*	41352	1	Carnivore	Carnivore	eam near San Antor	Holocene	Present Study	collagen	dentary	-9.7	-9.7	11.4	2.9
Carnivora	Canidae	*Canis*	*lupus*	43133	232	Carnivore	Carnivore	Bering Sinkhole	Holocene	Present Study	collagen	skull	-10.4	-10.4	10.1	2.9
Carnivora	Canidae	*Canis*	*lupus*	43133	236	Carnivore	Carnivore	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-9.5	-9.5	9.9	2.7
Carnivora	Canidae	*Canis*	*sp.*	908	3627	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	atlas vertebr	-16.0	-16.0	7.1	2.8
Carnivora	Canidae	*Canis*	*sp.*	908	4282	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	incisor root	-11.1	-11.1	11.5	2.9
Carnivora	Canidae	*Canis*	*sp.*	908	4283	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	premolar roo	-12.7	-12.7	10.0	2.8
Carnivora	Canidae	*Canis*	*sp.*	908	4291	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	humerus	-13.6	-13.6	8.4	2.8
Carnivora	Canidae	*Canis*	*sp.*	908	4308	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	fibula	-13.7	-13.7	8.9	2.8
Carnivora	Canidae	*Canis*	*sp.*	908	4309	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	scapula	-14.1	-14.1	10.3	3.0
Carnivora	Canidae	*Canis*	*sp.*	908	4521	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal	-13.0	-13.0	9.6	3.1
Carnivora	Canidae	*Canis*	*sp.*	908	4522	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal	-10.6	-10.6	10.3	2.9
Carnivora	Canidae	*Canis*	*sp.*	41229	720	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	metacarpal	-15.6	-15.6	6.9	2.9
Carnivora	Canidae	*Canis*	*sp.*	41229	721	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	radius	-16.3	-16.3	7.2	2.8
Carnivora	Canidae	*Canis*	*sp.*	41229	2777	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-15.2	-15.2	9.0	2.8
Carnivora	Canidae	*Canis*	*sp.*	41229	6153	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	metatarsal 4	-16.2	-16.2	7.8	2.8
Carnivora	Canidae	*Canis*	*sp.*	41229	6562	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	metacarpal 4	-15.9	-15.9	7.5	2.8
Carnivora	Canidae	*Canis*	*sp.*	41229	8326	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-12.6	-12.6	8.5	2.8
Carnivora	Canidae	*Canis*	*sp.*	41229	9849	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	scapholunar	-16.4	-16.4	7.7	2.7
Carnivora	Canidae	*Canis*	*sp.*	41229	9881	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	metacarpal 5	-16.2	-16.2	8.1	2.7
Carnivora	Canidae	*Canis*	*sp.*	41229	9951	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-13.1	-13.1	9.7	2.7
Carnivora	Canidae	*Canis*	*sp.*	41229	10278	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-16.0	-16.0	9.1	2.7
Carnivora	Canidae	*Canis*	*sp.*	41229	10357	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-15.0	-15.0	13.4	2.8
Carnivora	Canidae	*Canis*	*sp.*	41229	10778	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-17.0	-17.0	10.5	2.7
Carnivora	Canidae	*Canis*	*sp.*	41229	10876	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	phalanx 1	-11.8	-11.8	12.3	2.8
Carnivora	Canidae	*Canis*	*sp.*	41229	11182	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	n/a	-18.7	-18.7	5.0	2.8
Carnivora	Canidae	*Canis*	*sp.*	908	4311	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	ischium	-16.5	-16.5	9.8	3.7
Carnivora	Canidae	*Canis*	*sp.*	908	3591	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	skull	-15.8	-15.8	10.4	3.5
Carnivora	Canidae	*Canis*	*sp.*	908	4300	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	radius	bdl	nd	bdl	12.9
Carnivora	Canidae	*indet.*	*sp.*	41229	9826	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	metacarpal 5	-18.8	-18.8	6.8	2.7
Carnivora	Canidae	*indet. (juvenile)*	*sp.*	41229	719	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-19.2	-19.2	8.8	2.8
Carnivora	Canidae	*Urocyon*	*sp.*	40449	258	Carvivore	Carnivore	Levi Rock Shelter	Holocene	Present Study	collagen	metacarpal	bdl	nd	bdl	2.7
Carnivora	Canidae	*Urocyon or Vulpes*	*sp.*	41229	10469	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-15.6	-15.6	9.9	2.8
Carnivora	Canidae	*Urocyon or Vulpes*	*sp.*	41229	12071	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	n/a	-16.1	-16.1	10.3	2.8
Carnivora	Canidae	*Vulpes*	*sp.*	41229	10867	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-14.4	-14.4	11.7	2.8
Carnivora	Canidae	*Vulpes*	*sp.*	1295	9	Carnivore	Carnivore	Clamp Cave	Pleistocene	Present Study	collagen	dentary	-23.9	nd	3.2	4.4
Carnivora	Canidae	*Vulpes*	*sp.*	1295	2	Carnivore	Carnivore	Clamp Cave	Pleistocene	Present Study	collagen	dentary	bdl	nd	bdl	6.0
Carnivora	Canidae	*Vulpes*	*sp.*	1295	8	Carnivore	Carnivore	Clamp Cave	Pleistocene	Present Study	collagen	dentary	bdl	nd	bdl	6.2
Carnivora	Canidae	*Vulpes*	*sp.*	908	3622	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	ulna	bdl	nd	bdl	nd
Carnivora	Felidae	*Felis*	*weidii/yagouaroundi*	41229	3539	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	n/a	-18.8	-18.8	12.7	2.9
Carnivora	Felidae	*Homotherium*	*serum*	933	3387	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	scapula	-8.5	-8.5	14.3	3.2
Carnivora	Felidae	*Homotherium*	*serum*	933	2110	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	scapula	-28.3	nd	bdl	nd
Carnivora	Felidae	*Homotherium*	*serum*	933	2297	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	humerus	-22.0	nd	9.8	6.2
Carnivora	Felidae	*Homotherium*	*serum*	933	2084	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	fibula	bdl	nd	bdl	nd
Carnivora	Felidae	*Homotherium*	*serum*	933	3934	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	radius	bdl	nd	bdl	nd
Carnivora	Felidae	*Homotherium*	*serum*	933	2149	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	rib	bdl	nd	bdl	10.0
Carnivora	Felidae	*Homotherium*	*serum*	933	2899	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	scapula	bdl	nd	bdl	nd
Carnivora	Felidae	*Homotherium*	*serum*	933	61	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	incisor root	-8.8	-8.8	14.3	3.2
Carnivora	Felidae	*Homotherium*	*serum*	933	2283	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	rib	-8.9	-8.9	13.8	3.0
Carnivora	Felidae	*Homotherium*	*serum*	933	2927	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	incisor root	-9.0	-9.0	14.4	3.1
Carnivora	Felidae	*Homotherium*	*serum*	933	1750	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	dentary	-10.7	-10.7	13.4	3.7
Carnivora	Felidae	*Homotherium*	*serum*	933	29	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	incisor root	bdl	nd	bdl	nd
Carnivora	Felidae	*Homotherium*	*serum*	933	2257	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	incisor root	bdl	nd	bdl	bdl
Carnivora	Felidae	*Homotherium ?not a Platygonus*	*sp.*	41229	11185	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	fibula	-15.9	-15.9	14.2	2.8
Carnivora	Felidae	*Lynx*	*rufus*	908	1643	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	radius	-14.5	-14.5	9.9	3.2
Carnivora	Felidae	*Lynx*	*rufus*	908	3310	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	atlas vertebr	-15.9	-15.9	8.6	3.0

Carnivora	Felidae	*Lynx*	*rufus*	908	3931	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-12.8	-12.8	10.1		2.9
Carnivora	Felidae	*Lynx*	*rufus*	908	4179	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-17.6	-17.6	7.9		2.8
Carnivora	Felidae	*Lynx*	*rufus*	908	4180	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-16.8	-16.8	8.0		2.9
Carnivora	Felidae	*Lynx*	*rufus*	908	4181	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-15.3	-15.3	10.6		3.2
Carnivora	Felidae	*Lynx*	*rufus*	908	4182	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-15.1	-15.1	10.1		3.2
Carnivora	Felidae	*Lynx*	*rufus*	908	4184	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-16.4	-16.4	8.3		2.9
Carnivora	Felidae	*Lynx*	*rufus*	933	3916	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	thoracic vert	-15.0	-15.0	8.5		2.9
Carnivora	Felidae	*Lynx*	*rufus*	40450	584	Carnivore	Carnivore	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-19.5	-19.5	7.4		2.9
Carnivora	Felidae	*Lynx*	*rufus*	40450	617	Carnivore	Carnivore	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-17.8	-17.8	5.7		2.9
Carnivora	Felidae	*Lynx*	*rufus*	40450	1604	Carnivore	Carnivore	ave Without A Nam	Pleistocene	Present Study	collagen	ulna	-18.1	-18.1	6.2		2.9
Carnivora	Felidae	*Lynx*	*rufus*	40450	1607	Carnivore	Carnivore	ave Without A Nam	Pleistocene	Present Study	collagen	maxilla	-18.2	-18.2	6.3		3.0
Carnivora	Felidae	*Lynx*	*rufus*	41229	2788	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	ectocuneifor	-15.4	-15.4	8.5		2.8
Carnivora	Felidae	*Lynx*	*rufus*	41229	6356	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.7	-15.7	9.2		2.8
Carnivora	Felidae	*Lynx*	*rufus*	908	3476	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-17.4	nd	10.0		4.8
Carnivora	Felidae	*Lynx*	*rufus*	40449	101	Carnivore	Carnivore	Levi Rock Shelter	Holocene	Present Study	collagen	dentary	bdl	nd	bdl		nd
Carnivora	Felidae	*Panthera*	*leo atrox*	908	2418	Carnivore	Carnivore	Kincaid Shelter	Pleistocene	Present Study	enamel	canine	-4.5	-8.9	NA		0.4	nd
Carnivora	Felidae	*Panthera*	*leo atrox*	30967	1613	Carnivore	Carnivore	Ingleside	Pleistocene	Present Study	enamel	canine	-8.3	-12.7	NA	29.3	-1.5	nd
Carnivora	Felidae	*Panthera*	*onca*	41229	900	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-10.3	-10.3	13.6			2.8
Carnivora	Felidae	*Panthera*	*onca*	41229	3537	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal 4	-14.0	-14.0	12.7			2.9
Carnivora	Felidae	*Panthera*	*onca*	41229	10797	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	thoracic vert	-10.3	-10.3	12.8			2.9
Carnivora	Felidae	*Panthera*	*onca*	41229	10799	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	rib	-10.1	-10.1	13.0			2.9
Carnivora	Felidae	*Panthera*	*onca*	41229	10866	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	phalanx 2	-17.7	-17.7	12.5			2.8
Carnivora	Felidae	*Panthera*	*onca*	41229	10875	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	metacarpal	-14.2	-14.2	11.1			2.8
Carnivora	Felidae	*Panthera*	*onca*	41229	10905	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	metacarpal !	-10.7	-10.7	13.1			2.9
Carnivora	Felidae	*Panthera*	*onca*	43407	31	Carnivore	Carnivore	Honey Creek Cave	Pleistocene	Present Study	enamel	molar 1	-12.0	-16.5	NA	27.3	-3.4	nd
Carnivora	Felidae	*Panthera*	*onca*	40673	52	Carnivore	Carnivore	Laubach 1	Pleistocene	Present Study	collagen	occipital	bdl	nd	bdl			nd
Carnivora	Felidae	*Puma*	*concolor*	908	2181	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	metacarpal 3	-18.2	-18.2	8.2			2.8
Carnivora	Felidae	*Puma*	*concolor*	908	2254	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	metatarsal 5	-20.6	-20.6	7.2			3.2
Carnivora	Felidae	*Puma*	*concolor*	41229	10800	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	thoracic vert	-11.1	-11.1	10.8			2.9
Carnivora	Felidae	*Puma*	*concolor*	41229	11704	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-13.0	-13.0	10.7			2.8
Carnivora	Felidae	*Puma*	*concolor*	41229	15780	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.7	-16.7	8.6			2.9
Carnivora	Felidae	*Puma*	*concolor*	40449	149	Carnivore	Carnivore	Levi Rock Shelter	Holocene	Present Study	collagen	bone	bdl	nd	bdl			27.0
Carnivora	Felidae	*Smilodon*	*fatalis*	933	2688	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	enamel	canine	-4.0	-8.4	NA		-3.2	nd
Carnivora	Felidae	*Smilodon*	*fatalis*	933	2690	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	enamel	premolar 4	-2.4	-6.8	NA	30.2	-0.6	nd
Carnivora	Felidae	*Smilodon*	*fatalis*	933	3956	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	enamel	premolar 4	-10.0	-14.4	NA	27.1	-3.7	nd
Carnivora	Felidae	*Smilodon*	*fatalis*	933	5704	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	humerus	-8.8	-8.8	13.5			3.1
Carnivora	Felidae	*Smilodon*	*fatalis*	30967	1034	Carnivore	Carnivore	Ingleside	Pleistocene	Present Study	enamel	canine	-5.8	-10.2	NA		-3.3	nd
Carnivora	Felidae	*Smilodon*	*fatalis*	933	2691	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	premolar 4 r	-27.6	nd	bdl			nd
Carnivora	Felidae	*Smilodon*	*fatalis*	933	3955	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	astragalus	-18.6	-18.6	11.5			3.7
Carnivora	Felidae	*Smilodon*	*fatalis*	933	2206	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	humerus	bdl	nd	bdl			nd
Carnivora	Felidae	*Smilodon*	*fatalis*	933	2506	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	humerus	bdl	nd	bdl			nd
Carnivora	Felidae	*Smilodon*	*fatalis*	933	3339	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	humerus	bdl	nd	bdl			nd
Carnivora	Felidae	*Smilodon*	*fatalis*	933	2690	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	premolar 4 r	bdl	nd	bdl			nd
Carnivora	Felidae	*Smilodon*	*fatalis*	933	898	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	premolar roo	bdl	nd	bdl			nd
Carnivora	Mephitidae	*Mephitis*	*mephitis*	908	858	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-17.2	-17.2	11.0			3.0
Carnivora	Mephitidae	*Mephitis*	*mephitis*	908	989	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-12.6	-12.6	9.3			2.9
Carnivora	Mephitidae	*Mephitis*	*mephitis*	908	1204	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-15.7	-15.7	10.0			2.9
Carnivora	Mephitidae	*Mephitis*	*mephitis*	908	3264	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	humerus	-15.2	-15.2	9.3			2.9
Carnivora	Mephitidae	*Mephitis*	*mephitis*	908	4253	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	humerus	-16.5	-16.5	7.5			2.9
Carnivora	Mephitidae	*Mephitis*	*mephitis*	908	4257	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	skull	-13.9	-13.9	7.1			2.9
Carnivora	Mephitidae	*Mephitis*	*mephitis*	933	4494	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	dentary	-15.6	-15.6	7.5			3.2
Carnivora	Mephitidae	*Mephitis*	*mephitis*	41229	3736	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	bone	-16.4	-16.4	7.6			2.9
Carnivora	Mephitidae	*Mephitis*	*mephitis*	41229	10602	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-14.3	-14.3	13.2			2.9
Carnivora	Mephitidae	*Mephitis*	*mephitis*	41229	11219	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-15.1	-15.1	9.9			2.9
Carnivora	Mephitidae	*Mephitis*	*mephitis*	41229	19885	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-12.9	-12.9	12.1			2.9
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	1021	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-18.0	-18.0	11.4			2.9
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	1442	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-18.3	-18.3	7.3			3.0
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	1782	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	humerus	-16.3	-16.3	10.3			2.8
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	1783	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	bone	-18.0	-18.0	10.8			2.9
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	3455	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-19.4	-19.4	7.5			2.9
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	3744	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-16.0	-16.0	12.5			2.8
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	11197	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	maxilla	-17.2	-17.2	8.8			3.0
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	11220	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	bone	-17.5	-17.5	10.2			2.8
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	19884	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	canine root	-17.2	-17.2	7.9			2.9
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	19886	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.1	-16.1	12.2			2.8
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	19887	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-17.0	-17.0	10.7			2.8
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	19888	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.7	-15.7	12.6			2.8
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	19890	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.7	-18.7	11.3			2.9
Carnivora	Mephitidae	*Spilogale*	*sp.*	41229	1365	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-15.9	-15.9	9.8			2.9
Carnivora	Mustelidae	*indet.*	*sp.*	41229	15778	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.0	-17.0	11.9			3.1
Carnivora	Mustelidae	*indet.*	*sp.*	41229	15779	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.6	-17.6	10.3			2.7
Carnivora	Mustelidae	*Mustela*	*sp.*	41229	10262	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	n/a	-16.1	-16.1	12.6			2.8
Carnivora	Mustelidae	*Taxidea*	*taxus*	908	593	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-13.0	-13.0	9.8			2.8
Carnivora	Mustelidae	*Taxidea*	*taxus*	908	3278	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	ulna	-17.0	-17.0	9.0			2.9
Carnivora	Mustelidae	*Taxidea*	*taxus*	908	3337	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	scapula	-15.8	-15.8	9.1			2.9
Carnivora	Mustelidae	*Taxidea*	*taxus*	908	3898	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	ulna	-10.9	-10.9	11.7			3.0
Carnivora	Mustelidae	*Taxidea*	*taxus*	908	3899	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-15.2	-15.2	11.9			2.9
Carnivora	Mustelidae	*Taxidea*	*taxus*	908	3901	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	maxilla	-15.4	-15.4	9.4			2.8
Carnivora	Mustelidae	*Taxidea*	*taxus*	908	3917	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-15.9	-15.9	12.8			3.1
Carnivora	Mustelidae	*Taxidea*	*taxus*	908	3918	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-15.6	-15.6	10.5			2.8
Carnivora	Procyonidae	*Procyon*	*lotor*	908	2442	Carnivore	Carnivore	Kincaid Shelter	Pleistocene	Present Study	collagen	maxilla	-18.4	-18.4	9.2			3.1
Carnivora	Procyonidae	*Procyon*	*lotor*	908	3940	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	dentary	-15.5	-15.5	12.7			3.2
Carnivora	Procyonidae	*Procyon*	*lotor*	908	4344	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	radius	-17.1	-17.1	9.8			3.1
Carnivora	Procyonidae	*Procyon*	*lotor*	41229	1345	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	femur	-16.4	-16.4	10.6			2.8
Carnivora	Procyonidae	*Procyon*	*lotor*	41229	3767	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.2	-16.2	10.3			2.7
Carnivora	Procyonidae	*Procyon*	*lotor*	41229	10730	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	phalanx	-13.8	-13.8	9.8			2.7
Carnivora	Procyonidae	*Procyon*	*lotor*	41229	19881	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	femur	-17.3	-17.3	7.6			3.0
Carnivora	Procyonidae	*Procyon*	*lotor*	41229	19889	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	astragalus	-19.9	-19.9	4.9			2.9
Carnivora	Procyonidae	*Procyon*	*lotor*	41229	19891	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	radius	-15.6	-15.6	5.7			2.7
Carnivora	Procyonidae	*Procyon*	*lotor*	41229	19892	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	lumbar verte	-17.0	-17.0	8.4			2.7
Carnivora	Procyonidae	*Procyon*	*lotor*	41229	19893	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	metapodial	-16.5	-16.5	8.2			2.7
Carnivora	Procyonidae	*Procyon*	*lotor*	41339	3710	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	n/a	-15.6	-15.6	7.2			2.7
Carnivora	Procyonidae	*Procyon*	*lotor*	43133	244	Carnivore	Carnivore	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-16.4	-16.4	7.6			3.0

Carnivora	Procyonidae	*Procyon*	*lotor*	43133	245	Carnivore	Carnivore	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-13.7	-13.7	9.8			3.2
Carnivora	Procyonidae	*Procyon*	*lotor*	908	4348	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	maxilla	-21.3	-21.3	6.7			3.9
Carnivora	Procyonidae	*Procyon*	*lotor*	908	1164	Carnivore	Carnivore	Kincaid Shelter	Holocene	Present Study	collagen	ulna	-18.2	-18.2	8.1			3.8
Carnivora	Ursidae	*Arctodus*	*simus*	933	2963	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	molar 3 root	-16.5	-16.5	9.7			3.3
Carnivora	Ursidae	*Arctodus*	*simus*	933	2156	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	molar root	-17.3	-17.3	7.6			3.5
Carnivora	Ursidae	*Ursus*	*americanus*	41229	2729	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	atlas vertebr	-18.9	-18.9	5.4			3.0
Carnivora	Ursidae	*Ursus*	*americanus*	41229	2731	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	ectocuneifor	-17.8	-17.8	5.1			2.7
Carnivora	Ursidae	*Ursus*	*americanus*	41229	11029	Carnivore	Carnivore	Hall's Cave	Holocene	Present Study	collagen	phalanx 2	-19.5	-19.5	3.7			3.1
Carnivora	Ursidae	*Ursus*	*americanus*	41229	11754	Carnivore	Carnivore	Hall's Cave	Pleistocene	Present Study	collagen	phalanx 1	-18.7	-18.7	3.7			2.7
Carnivora	Ursidae	*Ursus*	*americanus*	43365	1	Carnivore	Carnivore	Sanders Ranch Cave	Pleistocene	Present Study	collagen	skull	-20.1	-20.1	4.3			2.9
Carnivora	Ursidae	*Ursus*	*americanus*	933	3499	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	scapula	-6.1	nd	bdl			nd
Carnivora	Ursidae	*Ursus*	*americanus*	933	2544	Carnivore	Carnivore	Friesenhahn Cave	Pleistocene	Present Study	collagen	n/a	bdl	nd	bdl			nd
Carnivora	Ursidae	*Ursus*	*americanus*	41284	16	Carnivore	Carnivore	Don Williams Cave	Holocene	Present Study	collagen	dentary	-18.5	-18.5	6.3			3.0
Carnivora	Ursidae	*Ursus*	*americanus*	41284	186	Carnivore	Carnivore	Don Williams Cave	Holocene	Present Study	collagen	rib	-18.5	-18.5	6.0			2.9
Carnivora	Ursidae	*Ursus*	*americanus*	43133	1132	Carnivore	Carnivore	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-17.0	-17.0	6.5			2.9
Carnivora	Ursidae	*Ursus*	*americanus*	43539	1	Carnivore	Carnivore	Cicurina Cave	Holocene	Present Study	collagen	skull	-17.0	-17.0	6.5			2.8
Carnivora	Ursidae	*Ursus*	*americanus*	Schulze Cave	7380	Carnivore	Carnivore	Schulze Cave	Pleistocene	Present Study	collagen	skull	-17.7	-17.7	8.7			3.0
Carnivora	Ursidae	*Ursus*	*americanus*	1295	23	Carnivore	Carnivore	Clamp Cave	Pleistocene	Present Study	enamel	canine	-11.1	-15.6	na	30.1	-0.7	nd
Carnivora	Ursidae	*Ursus*	*americanus*	Schulze Cave	7188	Carnivore	Carnivore	Schulze Cave	Pleistocene	Present Study	collagen	n/a	-19.6	-19.6	7.1			3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	40449	26	Herbivore	Non-ruminant	Levi Rock Shelter	Holocene	Present Study	collagen	humerus	-23.3	-23.3	2.4			2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	115	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-19.5	-19.5	4.0			3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	200	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-19.8	-19.8	2.7			3.1
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	264	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-19.9	-19.9	3.3			3.3
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	268	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-19.4	-19.4	3.3			3.1
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	684	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-18.4	-18.4	3.6			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	685	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-20.0	-20.0	3.3			3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	687	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-18.8	-18.8	4.1			3.2
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	690	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-19.7	-19.7	2.2			3.1
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	1025	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-21.4	-21.4	3.2			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	1034	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-20.9	-20.9	2.7			3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	1622	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-18.2	-18.2	2.9			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	57	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.7	-17.7	5.2			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	72	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-14.9	-14.9	3.9			3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	224	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.7	-16.7	5.2			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	225	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.4	-15.4	7.3			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	305	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.1	-19.1	6.9			3.2
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	306	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.4	-19.4	4.1			3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	352	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-11.8	-11.8	10.6			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	411	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-16.9	-16.9	7.6			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	694	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-13.6	-13.6	5.4			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	710	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-13.8	-13.8	4.9			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	722	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-14.7	-14.7	6.2			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	743	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-14.7	-14.7	8.0			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	744	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	skull	-17.8	-17.8	6.7			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	883	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.3	-16.3	7.9			3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	885	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-18.7	-18.7	5.0			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	894	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-22.1	-22.1	5.2			3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	931	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-14.2	-14.2	7.1			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	970	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-14.7	-14.7	4.2			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	986	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	skull	-14.9	-14.9	7.5			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	999	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-17.0	-17.0	4.7			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1145	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.4	-19.4	5.4			3.3
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1148	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-11.5	-11.5	7.0			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1286	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-15.6	-15.6	6.1			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1290	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-12.9	-12.9	4.6			2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1305	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.9	-19.9	3.8			3.1
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1600	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-14.9	-14.9	4.2			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1727	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-11.0	-11.0	4.7			2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1728	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-20.7	-20.7	5.0			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1822	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-22.0	-22.0	4.3			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1823	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-17.0	-16.9	4.2			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1824	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-20.5	-20.5	4.2			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	1831	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-18.8	-18.8	6.3			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2529	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	maxilla	-18.5	-18.5	6.4			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2557	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	pelvis	-17.0	-17.0	5.9			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2558	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-18.8	-18.8	4.9			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2559	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-12.1	-12.1	5.2			2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2560	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-11.2	-11.2	6.6			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2563	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.7	-15.7	6.7			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2615	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-17.5	-17.5	4.4			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2793	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.9	-17.9	5.0			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2815	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-13.4	-13.4	5.9			2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2833	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-14.4	-14.4	5.6			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2846	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	maxilla	-18.5	-18.5	6.6			3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2874	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	premaxilla	-14.0	-14.0	4.3			2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2875	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-11.5	-11.5	5.6			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2876	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	scapula	-16.2	-16.2	4.5			2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2893	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.9	-19.9	4.5			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2894	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	palate	-18.8	-18.8	3.3			2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2897	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.4	-16.4	4.7			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	3436	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	skull	-17.6	-17.6	5.5			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	4097	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.6	-19.6	4.3			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	4219	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-19.3	-19.3	4.3			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	5009	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-19.4	-19.4	4.5			2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	5011	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-20.8	-20.8	3.9			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	7431	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	pelvis	-14.0	-14.0	4.5			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	7432	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-15.9	-15.9	5.5			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	7459	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-13.3	-13.3	3.2			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	7635	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	tibia	-18.9	-18.9	5.8			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	8096	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	tibia	-16.1	-16.1	5.2			2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	8242	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.9	-16.9	4.6			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	8472	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-10.0	-10.0	7.2			2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	9240	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	tibia	-19.4	-19.4	2.8			2.9

Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	9514	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-14.3	-14.3	4.6		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	9805	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal 4	-18.5	-18.5	3.8		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	11018	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-21.9	-21.9	6.8		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	15088	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-15.5	-15.5	4.2		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	15090	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-16.7	-16.6	3.1		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	15091	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	femur	-15.7	-15.7	4.0		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	15092	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-12.7	-12.7	6.1		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	15098	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metacarpal	-15.2	-15.2	6.3		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	15105	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.1	-17.1	6.7		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	15112	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-14.6	-14.6	7.2		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	15113	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-14.3	-14.3	5.7		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	15129	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-10.4	-10.4	5.5		2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	15142	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-12.3	-12.3	4.6		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	15144	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-18.3	-18.3	5.0		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17909	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-17.3	-17.3	6.0		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17910	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-17.0	-17.0	6.0		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17912	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-14.9	-14.9	4.2		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17914	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-13.1	-13.1	6.4		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17915	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-15.2	-15.2	4.0		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17916	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-15.6	-15.6	4.9		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17957	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-15.1	-15.1	4.2		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17958	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	tibia	-16.9	-16.9	4.2		2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17959	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metacarpal	-11.3	-11.3	4.7		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17960	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-20.8	-20.8	4.4		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17961	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.8	-17.8	4.1		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17962	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-15.6	-15.6	3.1		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17964	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-10.8	-10.8	5.2		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17965	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	tibia	-9.0	-9.0	5.0		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17968	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-20.1	-20.1	5.5		3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17969	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-22.4	-22.4	7.6		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17970	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-10.6	-10.6	10.1		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	17971	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-17.6	-17.6	6.0		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18007	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-20.0	-20.0	5.8		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18011	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	tibia	-9.6	-9.6	9.6		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18012	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-11.9	-11.9	9.6		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18013	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	acetabulum	-16.7	-16.7	5.4		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18014	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-18.4	-18.4	5.2		2.7
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18015	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-10.8	-10.8	8.0		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18016	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-16.2	-16.2	5.4		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18017	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-16.1	-16.1	7.6		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18018	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-18.5	-18.5	5.6		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18019	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-21.8	-21.8	8.3		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18021	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-8.7	-8.7	11.9		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18024	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-22.1	-22.1	6.1		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18025	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-19.0	-19.0	7.6		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18026	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-20.8	-20.8	6.2		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18028	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-19.3	-19.3	6.5		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18029	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-22.3	-22.3	6.0		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18030	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	bone	-21.9	-21.9	5.7		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18031	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	n/a	-21.6	-21.6	6.0		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18032	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.1	-15.1	5.4		3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18033	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.8	-19.8	5.3		3.1
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18034	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-19.0	-19.0	7.4		3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18035	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-22.0	-22.0	9.3		3.1
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	18036	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-20.8	-20.8	7.3		3.1
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	19675	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-20.2	-20.2	3.3		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	19677	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-16.4	-16.4	4.3		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	43133	272	Herbivore	Non-ruminant	Bering Sinkhole	Holocene	Present Study	collagen	skull	-16.0	-16.0	5.8		3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	43133	274	Herbivore	Non-ruminant	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-17.6	-17.5	6.7		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	43133	291	Herbivore	Non-ruminant	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-17.7	-17.7	4.1		2.9
Lagomorpha	Leporidae	*Lepus*	*sp.*	43133	333	Herbivore	Non-ruminant	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-14.0	-14.0	6.0		3.0
Lagomorpha	Leporidae	*Lepus*	*sp.*	43133	1409	Herbivore	Non-ruminant	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-18.1	-18.1	2.8		2.8
Lagomorpha	Leporidae	*Lepus*	*sp.*	40449	28	Herbivore	Non-ruminant	Levi Rock Shelter	Holocene	Present Study	collagen	tibia	-26.5	nd	1.7		12.1
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	274	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-21.4	-21.4	3.9		3.5
Lagomorpha	Leporidae	*Lepus*	*sp.*	40450	257	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	dentary	-21.0	-21.0	3.0		3.4
Lagomorpha	Leporidae	*Lepus*	*sp.*	41229	2792	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.3	-19.3	4.6		3.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	40450	125	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	enamel	tooth	-10.3	-19.1	NA	29.9	nd
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	40450	392	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	femur	-19.4	-19.4	3.1		3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	40450	408	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	tibia	-19.0	-19.0	3.2		3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	40450	622	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	tibia	-18.9	-18.8	2.9		3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	40450	629	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	humerus	-18.1	-18.1	3.1		2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	40450	639	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	femur	-19.2	-19.2	2.9		3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	40450	809	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	femur	-20.1	-20.1	4.4		3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	40450	852	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	femur	-18.9	-18.9	2.8		2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.6	-18.6	3.7		2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	351	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-16.0	-16.0	8.1		2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	680	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	sacral	-18.1	-18.1	6.6		3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	689	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-15.2	-15.2	5.9		2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	701	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-16.7	-16.7	4.8		2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	742	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	maxilla	-21.9	-21.9	9.5		3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	863	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.5	-17.5	4.6		2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	866	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-18.4	-18.4	4.6		2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	982	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	bone	-15.3	-15.3	8.2		2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	983	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	bone	-19.0	-19.0	3.8		2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1019	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	humerus	-19.9	-19.9	4.4		2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1218	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	scapula	-17.5	-17.5	5.8		2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1225	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	femur	-21.1	-21.1	5.8		2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1302	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-22.7	-22.7	6.9		3.2
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1350	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	premaxilla	-15.3	-15.3	4.7		2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1357	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	femur	-18.9	-18.9	7.1		2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1591	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-16.8	-16.8	4.4		2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1592	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-15.3	-15.3	5.5		2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1593	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-18.0	-18.0	4.2		2.9

Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1596	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	pelvis	-18.3	-18.3	5.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1597	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.5	-16.5	5.6	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1598	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-13.8	-13.8	5.9	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1604	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-17.6	-17.6	5.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	1785	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	humerus	-17.3	-17.3	3.4	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2594	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.6	-18.6	6.4	3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2602	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	lumbar verte	-19.9	-19.9	6.3	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2673	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-15.4	-15.4	5.8	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2896	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.3	-18.3	5.9	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2926	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-22.1	-22.1	4.4	3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2939	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	scapula	-19.4	-19.4	4.3	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2952	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	lumbar verte	-17.2	-17.2	6.1	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2953	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	frontal	-18.9	-18.9	3.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	2954	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-21.1	-21.1	5.1	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	3434	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	astragalus	-20.5	-20.5	4.9	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	3527	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-20.1	-20.1	6.2	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4017	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-13.1	-13.1	5.3	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4018	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-13.3	-13.3	5.7	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4042	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	ulna	-15.8	-15.8	5.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4098	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-14.1	-14.1	6.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4753	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-15.7	-15.7	6.2	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4841	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-13.9	-13.8	5.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	4998	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-18.1	-18.1	7.2	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5000	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-16.9	-16.9	5.7	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5001	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.2	-18.2	4.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5002	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.4	-15.4	5.3	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5003	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-16.2	-16.2	6.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5111	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-15.8	-15.8	5.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5301	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-18.0	-18.0	5.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5921	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-18.6	-18.6	6.6	3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	5922	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-18.1	-18.1	6.6	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	6076	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	n/a	-18.9	-18.9	5.3	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	6077	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	scapula	-17.9	-17.9	3.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7405	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-12.8	-12.8	4.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7429	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-13.0	-13.0	6.6	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7436	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	premaxilla	-13.1	-13.1	5.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7437	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	premaxilla	-15.5	-15.5	5.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7438	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	premaxilla	-19.2	-19.2	5.4	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7439	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-13.6	-13.6	4.9	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7442	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.6	-17.6	5.2	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7936	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-17.4	-17.4	4.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	8009	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	femur	-16.9	-16.9	5.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	8209	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	scapula	-19.3	-19.3	6.4	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	8271	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	maxilla	-20.0	-20.0	5.3	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9006	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	vertebra	-15.4	-15.4	3.5	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9027	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-18.4	-18.3	4.5	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9509	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-21.6	-21.6	4.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9510	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.2	-19.2	5.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9806	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-17.0	-17.0	4.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9825	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-14.5	-14.5	8.7	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9988	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-16.7	-16.7	4.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	9989	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-18.9	-18.9	4.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10166	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	scapula	-18.8	-18.8	3.1	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10167	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	tibia	-14.0	-14.0	6.9	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10265	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	mbar vertebı	-18.2	-18.2	8.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10268	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	radius	-17.7	-17.7	5.3	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10284	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metapodial	-20.2	-20.2	4.5	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10351	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.8	-15.8	6.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10903	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	thoracic vert	-20.0	-20.0	4.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10914	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	lumbar verte	-15.1	-15.1	6.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10924	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	scapula	-17.5	-17.5	3.9	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10925	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	scapula	-21.3	-21.3	3.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10926	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	ulna	-16.4	-16.4	5.1	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10927	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	rib	-17.2	-17.2	3.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10998	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-19.3	-19.3	4.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10999	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	femur	-18.8	-18.8	3.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	11002	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metacarpal (	-20.1	-20.1	3.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	11019	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	ulna	-20.5	-20.5	4.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	11022	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	lumbar verte	-22.0	-22.0	6.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	11236	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	humerus	-17.7	-17.7	3.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	11245	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-18.5	-18.5	4.2	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	11246	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	ulna	-18.7	-18.6	3.5	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	11247	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-21.8	-21.8	3.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	11446	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	femur	-20.3	-20.3	1.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	11683	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	ulna	-15.7	-15.7	3.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	11684	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-16.7	-16.7	4.2	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	14000	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	radius	-16.8	-16.8	5.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	14048	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-17.4	-17.4	5.4	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16952	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	femur	-18.5	-18.5	5.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16955	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	tibia	-17.8	-17.8	5.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16956	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-20.2	-20.2	6.1	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16958	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-19.6	-19.6	4.4	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16959	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-17.9	-17.9	4.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16974	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.5	-18.5	5.7	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16978	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	bone	-17.9	-17.9	4.2	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16992	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-17.7	-17.7	4.7	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16995	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	tibia	-15.0	-15.0	3.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	16997	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.7	-17.7	4.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17003	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-21.5	-21.5	3.5	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17015	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-16.1	-16.1	4.1	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17024	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-17.7	-17.7	3.8	3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17026	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-17.8	-17.8	4.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17029	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-21.3	-21.3	3.0	2.9

Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17031	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-15.9	-15.9	6.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17032	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-18.1	-18.1	3.7	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17033	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.3	-18.3	4.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17034	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-16.9	-16.9	4.2	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17035	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-15.1	-15.1	4.2	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17038	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-18.4	-18.4	4.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17039	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.5	-17.5	6.2	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17040	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.5	-18.5	3.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17041	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	skull	-16.1	-16.1	5.2	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17042	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.1	-18.1	6.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17044	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.5	-15.5	4.7	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17045	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-13.7	-13.7	4.3	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17046	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-13.4	-13.4	4.9	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17051	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.4	-16.4	5.5	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17052	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.7	-17.7	5.2	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17056	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	acetabulum	-17.0	-17.0	5.7	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17058	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-16.4	-16.4	5.2	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17061	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-20.3	-20.3	3.1	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17063	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.6	-17.6	4.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17066	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.4	-18.4	6.3	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17076	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-17.4	-17.4	3.8	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17077	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	vertebra	-16.6	-16.6	4.1	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17078	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-21.3	-21.3	4.4	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17079	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-20.0	-20.0	5.9	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17081	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-19.1	-19.1	5.3	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17083	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.1	-17.1	4.0	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17084	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-21.2	-21.2	4.7	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17086	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.0	-17.0	5.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17087	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.6	-18.6	7.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17089	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.7	-16.7	7.8	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17091	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-17.4	-17.4	4.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17108	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-9.9	-9.9	6.8	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17116	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.9	-17.9	4.8	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17118	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.5	-17.5	5.5	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17119	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-12.2	-12.2	6.2	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17120	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.5	-17.5	4.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17122	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	femur	-20.4	-20.4	4.2	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17123	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	vertebra	-14.3	-14.3	4.9	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17129	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.4	-15.4	6.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17131	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.9	-16.9	4.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17137	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.0	-16.0	4.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17138	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-14.6	-14.6	6.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17142	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.9	-17.9	3.8	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17143	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-13.1	-13.1	6.6	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17144	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-13.5	-13.5	4.1	3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17146	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-21.5	-21.5	4.4	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17147	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-15.2	-15.2	5.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17151	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-17.9	-17.9	5.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17154	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-17.9	-17.9	6.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17156	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-21.6	-21.6	5.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17157	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-18.2	-18.2	4.9	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17159	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-19.4	-19.4	4.3	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17170	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-16.1	-16.1	5.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17171	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-21.1	-21.1	6.9	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17172	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-18.0	-18.0	5.7	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17173	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.2	-18.2	3.2	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17174	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-15.8	-15.8	5.2	3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17176	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.6	-17.6	6.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17177	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-13.2	-13.2	6.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17179	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.0	-17.0	5.4	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17187	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-12.9	-12.9	4.2	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17191	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-19.1	-19.1	4.5	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17200	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-17.0	-17.0	5.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17201	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-17.8	-17.8	5.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17202	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-21.9	-21.9	6.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17205	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-13.5	-13.5	4.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17220	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-11.3	-11.3	7.0	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17221	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-20.5	-20.5	7.3	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17230	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.2	-17.2	4.8	3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17231	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.4	-15.4	6.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17232	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-21.4	-21.4	6.2	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17233	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.4	-15.4	5.7	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17234	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	humerus	-17.0	-17.0	4.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17235	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.8	-17.8	6.2	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17236	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-14.9	-14.9	6.9	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17239	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-22.3	-22.3	5.2	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17244	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.5	-18.5	5.5	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17246	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.8	-16.8	5.2	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17247	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-16.5	-16.5	4.3	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17248	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-22.2	-22.2	6.1	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17254	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-17.9	-17.9	5.3	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17255	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.8	-16.8	7.8	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17256	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.1	-18.1	5.0	3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17270	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-20.8	-20.8	6.3	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17271	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.3	-19.3	6.5	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17272	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.5	-18.5	7.5	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17276	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-18.0	-18.0	5.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17278	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-20.9	-20.9	3.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17280	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-15.0	-15.0	4.5	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17284	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-14.7	-14.7	5.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17285	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-20.4	-20.4	5.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17286	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-12.1	-12.1	5.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17287	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.4	-16.4	6.7	2.8

Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17289	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	acetabulum	-18.8	-18.8	5.8	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17290	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.3	-18.3	6.2	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17291	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	acetabulum	-16.3	-16.3	6.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17295	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	acetabulum	-14.2	-14.2	5.5	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17296	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	vertebra	-20.1	-20.1	6.3	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17308	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-22.3	-22.3	5.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17309	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-16.9	-16.9	5.9	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17310	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-16.4	-16.4	5.8	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17311	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.8	-15.8	6.0	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17314	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-18.0	-18.0	5.1	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17316	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	maxilla	-12.1	-12.1	7.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17318	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-16.9	-16.9	5.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17325	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.1	-19.1	6.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17327	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-21.8	-21.8	4.7	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17330	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-16.3	-16.3	4.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17379	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-21.7	-21.7	6.8	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17383	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-21.2	-21.2	4.3	3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17385	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-22.4	-22.4	7.5	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17386	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	metatarsal	-20.3	-20.3	6.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17387	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-20.2	-20.2	7.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17389	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-15.3	-15.3	6.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17391	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-21.5	-21.5	7.3	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17392	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-20.8	-20.8	6.4	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17411	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	vertebra	-21.9	-21.9	4.0	3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17412	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-22.7	-22.7	6.8	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17413	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-21.2	-21.2	6.8	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17414	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-22.8	-22.8	6.9	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17415	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-22.4	-22.4	6.3	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17416	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.0	-18.0	4.9	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17417	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-21.0	-21.0	6.1	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17418	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-19.1	-19.1	4.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17421	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	calcaneus	-11.9	-11.9	5.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17422	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-18.8	-18.8	4.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17451	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-21.3	-21.3	4.8	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17453	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-20.9	-20.9	6.5	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17454	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	vertebra	-19.1	-19.1	7.0	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17457	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	astragalus	-16.5	-16.5	5.9	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17459	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	ulna	-16.2	-16.2	5.3	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17510	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-12.8	-12.8	4.7	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17544	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-17.6	-17.6	5.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17546	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-22.1	-22.1	3.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17548	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-18.7	-18.7	3.1	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17550	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-17.9	-17.9	4.4	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17552	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-18.2	-18.2	4.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17555	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	humerus	-19.1	-19.1	4.3	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17557	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	ulna	-20.5	-20.5	5.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17600	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-18.2	-18.2	4.3	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17602	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-19.7	-19.7	4.1	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17603	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-19.4	-19.4	2.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17605	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-20.4	-20.4	3.9	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17606	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-19.7	-19.7	3.1	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17607	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-18.6	-18.6	3.9	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17609	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-19.8	-19.8	5.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17613	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-20.0	-20.0	4.2	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17625	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-17.4	-17.4	5.9	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17626	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-22.1	-22.1	3.9	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17627	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	bone	-20.4	-20.4	6.2	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17628	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-15.6	-15.6	4.6	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17630	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	astragalus	-19.1	-19.1	5.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17631	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-21.5	-21.5	2.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17633	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	scapula	-17.9	-17.9	5.4	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17639	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	humerus	-16.1	-16.1	5.1	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17640	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	bone	-21.9	-21.9	9.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17642	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-18.2	-18.2	4.3	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17646	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-20.7	-20.7	3.9	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17651	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	ulna	-21.0	-21.0	4.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17655	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	scapula	-21.5	-21.5	4.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17655	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	scapula	-19.9	-19.9	4.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17656	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	humerus	-16.5	-16.5	5.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17657	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-18.2	-18.2	3.2	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17658	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-18.5	-18.5	4.3	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17660	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-18.4	-18.4	5.2	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17661	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-19.7	-19.7	4.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17662	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-20.2	-20.2	2.5	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17663	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-19.0	-19.0	8.3	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17666	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-19.2	-19.2	4.4	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17669	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-18.5	-18.5	3.8	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17670	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-20.3	-20.3	5.7	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17676	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-20.0	-20.0	2.1	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17677	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-14.9	-14.9	5.0	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17678	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	humerus	-20.1	-20.1	5.4	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17679	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	metatarsal	-19.8	-19.8	3.6	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17682	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	scapula	-15.5	-15.5	4.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17685	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	n/a	-21.0	-21.0	4.3	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17687	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-17.9	-17.9	3.0	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17691	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	tibia	-18.5	-18.5	4.3	3.0
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17692	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	bone	-19.2	-19.2	4.4	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17694	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	ulna	-20.7	-20.7	5.1	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17698	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	acetabulum	-17.4	-17.4	5.0	2.7
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17700	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-15.6	-15.6	3.6	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17703	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-17.6	-17.6	3.5	2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17704	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-18.8	-18.8	3.5	2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17806	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	ulna	-18.7	-18.7	4.4	2.8

Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17807	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	vertebra	-17.7	-17.7	4.7			2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	17848	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	femur	-18.5	-18.5	3.3			2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	43133	828	Herbivore	Non-ruminant	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-16.8	-16.8	3.9			2.8
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	43133	829	Herbivore	Non-ruminant	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-17.0	-17.0	3.9			2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	43133	830	Herbivore	Non-ruminant	Bering Sinkhole	Holocene	Present Study	collagen	dentary	-18.5	-18.5	3.5			2.9
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	10285	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	calcaneus	-21.1	-21.1	bdl			3.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	7646	Herbivore	Non-ruminant	Hall's Cave	Holocene	Present Study	collagen	dentary	-17.3	nd	5.1			4.1
Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	41229	984	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	enamel	tooth	bdl	nd	na			nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2295	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	premolar 3	-4.0	-12.8	NA	26.2	-4.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2310	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	maxilla	-20.2	-20.2	8.1			2.9
Perissodactyla	Equidae	*Equus*	*sp.*	908	2331	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	premolar 1	-4.7	-13.5	NA		-0.6	nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2358	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	tooth	-3.7	-12.5	NA		-4.7	nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2380	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	tooth	-6.8	-15.6	NA	28.0	-2.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2422	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Koch 2004	enamel	molar 3	-5.4	-14.2	NA	25.0	-5.7	nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2422	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	molar 3	-5.4	-14.2	NA	25.0	-5.7	nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2436	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Koch 2004	enamel	molar 3	-2.3	-11.1	NA	31.0	0.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2462	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	incisor	-0.5	-9.3	NA		-0.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2466	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	tooth	-1.3	-10.1	NA		-1.9	nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2471	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	tooth	-2.0	-10.8	NA		-0.1	nd
Perissodactyla	Equidae	*Equus*	*sp.*	933	1284	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	premolar	-3.9	-12.7	NA	28.5	-2.3	nd
Perissodactyla	Equidae	*Equus*	*sp.*	933	1284	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Present Study	enamel	premolar 4	-3.9	-12.7	NA	28.5	-2.3	nd
Perissodactyla	Equidae	*Equus*	*sp.*	933	209A	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar	-3.9	-12.7	NA	28.4	-2.4	nd
Perissodactyla	Equidae	*Equus*	*sp.*	933	209B	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar	-4.1	-12.9	NA	28.3	-2.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	937	254	Herbivore	Non-ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	molar	-5.1	-13.9	NA	27.9	-2.9	nd
Perissodactyla	Equidae	*Equus*	*sp.*	937	738	Herbivore	Non-ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	cheek tooth	-6.3	-15.1	NA	26.2	-4.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	1295	33	Herbivore	Non-ruminant	Clamp Cave	Pleistocene	Present Study	enamel	molar or pre	-5.6	-14.3	NA		-3.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	1295	36	Herbivore	Non-ruminant	Clamp Cave	Pleistocene	Present Study	enamel	molar	-3.7	-12.5	NA	25.5	-5.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	36	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-1.0	-9.8	NA	29.0	-1.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	51	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-3.1	-11.9	NA	26.9	-3.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	76	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-1.0	-9.8	NA	29.0	-1.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	223	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	premolar	-0.6	-9.4	NA	26.9	-3.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	224	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-0.8	-9.6	NA			nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	225	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-1.4	-10.2	NA	30.4	-0.4	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	226	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-0.8	-9.6	NA	27.6	-3.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	229	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-1.3	-10.1	NA	30.4	-0.4	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	230	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	premolar or	-1.2	-10.0	NA	31.3	0.4	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	241	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 1 or 2	-3.7	-12.5	NA	34.3	3.3	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	242	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-1.3	-10.1	NA	30.8	0.0	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	312	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	premolar	-2.2	-10.9	NA	29.0	-1.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	379	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	cheek tooth	-1.0	-9.8	NA	28.4	-2.4	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	454	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-3.5	-12.3	NA	31.6	0.7	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	455	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-0.7	-9.5	NA	29.7	-1.1	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	457	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-4.0	-12.8	NA	31.7	0.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	487	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	premolar 4	-0.7	-9.5	NA	29.0	-1.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	518	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-0.9	-9.7	NA	30.3	-0.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	540	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	premolar 4	-3.4	-12.2	NA	31.9	1.0	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	642	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-2.8	-11.6	NA	28.7	-2.1	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	708	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-1.8	-10.6	NA	28.4	-2.4	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	870	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-3.4	-12.2	NA	30.9	0.0	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	937	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-2.9	-11.7	NA	30.4	-0.4	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	948	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	cheek tooth	-2.7	-11.5	NA	28.3	-2.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	974	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar	-4.0	-12.8	NA	28.3	-2.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	1487	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	premolar 4	-0.7	-9.5	NA	29.0	-1.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	1518	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-0.9	-9.7	NA	30.3	-0.6	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	1540	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	premolar 4	-3.4	-12.2	NA	31.9	1.0	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	1642	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 2	-2.8	-11.6	NA	28.7	-2.1	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	1870	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar	-3.5	-12.2	NA	30.9	0.0	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2140	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-1.9	-10.7	NA		-3.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2223	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	premolar	-0.6	-9.4	NA	26.9	-3.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2224	Herbivore	Non-ruminant	Ingleside	Pleistocene	Cerling et al. 1999	enamel	tooth	-0.8	-9.6	NA	nd	nd	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2225	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-1.4	-10.2	NA	30.4	-0.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2226	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-0.8	-9.6	NA	27.6	-3.1	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2229	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-1.3	-10.0	NA	30.4	-0.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2230	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	cheek tooth	-1.2	-10.0	NA	31.3	0.4	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2232	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-1.4	-10.2	NA	30.3	-0.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2235	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-3.3	-12.1	NA		0.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2239	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-10.1	-18.9	NA	27.2	-3.6	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2455	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 3	-0.7	-9.5	NA	29.7	-1.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	1051A	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-3.3	-12.1	NA	26.8	-4.0	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	1051B	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-2.8	-11.6	NA	27.0	-3.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	1540a	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-3.4	-12.2	NA	27.5	-3.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	376A	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-1.4	-10.2	NA	29.1	-1.7	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	376B	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-0.7	-9.5	NA	28.0	-2.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	376C	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	tooth	-0.8	-9.6	NA	29.8	-1.0	nd
Perissodactyla	Equidae	*Equus*	*sp.*	31030	27	Herbivore	Non-ruminant	Valley Farms	Pleistocene	Koch 2004	enamel	premolar 3 c	-5.9	-14.7	NA	28.3	-2.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	31030	28	Herbivore	Non-ruminant	Valley Farms	Pleistocene	Koch 2004	enamel	premolar 3 c	-6.9	-15.7	NA	31.1	0.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	40685	2260	Herbivore	Non-ruminant	Zesch Cave	Pleistocene	Present Study	enamel	tooth	-5.9	-14.6	NA		-2.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	41229	520	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	pelvis	-13.8	-13.8	5.7			2.8
Perissodactyla	Equidae	*Equus*	*sp.*	41229	10795	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	dentary	-15.1	-15.1	5.9			2.8
Perissodactyla	Equidae	*Equus*	*sp.*	41229	10796	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	astragalus	-9.9	-9.9	7.9			2.7
Perissodactyla	Equidae	*Equus*	*sp.*	41229	10798	Herbivore	Non-ruminant	Hall's Cave	Pleistocene	Present Study	collagen	thoracic vert	-10.5	-10.5	8.5			2.8
Perissodactyla	Equidae	*Equus*	*sp.*	43067	29	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Koch 2004	enamel	cheek tooth	-4.7	-13.5	NA	29.6	-1.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	43067	30	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Present Study	enamel	molar 3	-4.0	-12.8	NA		-2.6	nd
Perissodactyla	Equidae	*Equus*	*sp.*	43067	62	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Koch 2004	enamel	cheek tooth	-3.9	-12.7	NA	27.8	-2.9	nd
Perissodactyla	Equidae	*Equus*	*sp.*	43067	29a	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Present Study	enamel	molar or pre	-4.7	-13.5	NA	29.6	-1.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	43067	62a	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Present Study	enamel	molar or pre	-3.9	-12.7	NA		-3.6	nd
Perissodactyla	Equidae	*Equus*	*sp.*	MSU	1671	Herbivore	Non-ruminant	Howard Ranch	Pleistocene	Koch 2004	enamel	cheek tooth	-7.5	-16.3	NA	25.5	-5.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	MSU	1672	Herbivore	Non-ruminant	Howard Ranch	Pleistocene	Koch 2004	enamel	cheek tooth	0.2	-8.6	NA	30.3	-0.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	MSU	1984	Herbivore	Non-ruminant	Easely.Ranch	Pleistocene	Koch 2004	enamel	cheek tooth	-4.1	-12.9	NA	28.3	-2.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	MSU	1995	Herbivore	Non-ruminant	Easely.Ranch	Pleistocene	Koch 2004	enamel	cheek tooth	-1.3	-10.1	NA	28.7	-2.1	nd
Perissodactyla	Equidae	*Equus*	*sp.*	MSU	2000	Herbivore	Non-ruminant	Easely.Ranch	Pleistocene	Koch 2004	enamel	cheek tooth	-3.1	-11.9	NA	29.2	-1.6	nd
Perissodactyla	Equidae	*Equus*	*sp.*	MSU	2036	Herbivore	Non-ruminant	Quitaque Creek	Pleistocene	Koch 2004	enamel	cheek tooth	-1.4	-10.2	NA	27.1	-3.7	nd
Perissodactyla	Equidae	*Equus*	*sp.*	MSU	2720	Herbivore	Non-ruminant	Howard Ranch	Pleistocene	Koch 2004	enamel	cheek tooth	-2.6	-11.4	NA	29.9	-0.9	nd

Perissodactyla	Equidae	*Equus*	*sp.*	MSU	2819	Herbivore	Non-ruminant	Quitaque Creek	Pleistocene	Koch 2004	enamel	molar 3	-2.5	-11.3	NA	27.7	-3.1	nd
Perissodactyla	Equidae	*Equus*	*sp.*	MSU	3016	Herbivore	Non-ruminant	Howard Ranch	Pleistocene	Koch 2004	enamel	cheek tooth	-3.1	-11.9	NA	28.0	-2.8	nd
Perissodactyla	Equidae	*Equus*	*sp.*	no	number	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-4.7	-13.5	NA	30.3	-0.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60124	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	molar 2	-6.5	-15.3	NA	28.7	-2.1	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60130	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	molar 1	-3.9	-12.7	NA	32.0	1.1	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60188	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-7.4	-16.2	NA	30.8	0.0	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60240	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	molar 2	-5.0	-13.8	NA	30.2	-0.7	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60292	Herbivore	Non-ruminant	Coppell	Pleistocene	Koch 2004	enamel	premolar 3 or 4	-4.3	-13.1	NA	29.9	-0.9	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60442	Herbivore	Non-ruminant	Coppell	Pleistocene	Koch 2004	enamel	premolar 3 or 4	-4.6	-13.4	NA	30.6	-0.3	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60531	Herbivore	Non-ruminant	Clear Creek	Pleistocene	Koch 2004	enamel	premolar	-5.3	-14.1	NA	30.4	-0.5	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60731	Herbivore	Non-ruminant	Ben Franklin	Pleistocene	Koch 2004	enamel	molar	-6.3	-15.1	NA	28.8	-2.0	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60827	Herbivore	Non-ruminant	Clear Creek	Pleistocene	Koch 2004	enamel	molar	-7.1	-15.9	NA	27.8	-3.0	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60840	Herbivore	Non-ruminant	Clear Creek	Pleistocene	Koch 2004	enamel	molar 3	-4.7	-13.5	NA	32.3	1.4	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60855	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	molar 2	-4.9	-13.7	NA	30.2	-0.7	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	61236	Herbivore	Non-ruminant	Ben Franklin	Pleistocene	Koch 2004	enamel	molar	-3.5	-12.3	NA	27.1	-3.6	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	61245	Herbivore	Non-ruminant	Ben Franklin	Pleistocene	Koch 2004	enamel	cheek tooth	-6.1	-14.8	NA	28.6	-2.2	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	61246	Herbivore	Non-ruminant	Ben Franklin	Pleistocene	Koch 2004	enamel	cheek tooth	-2.9	-11.7	NA	31.6	0.7	nd
Perissodactyla	Equidae	*Equus*	*sp.*	SMP	60382ms	Herbivore	Non-ruminant	Clear Creek	Pleistocene	Koch 2004	enamel	molar	-5.9	-14.7	NA	29.6	-1.3	nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2362	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	dentary	-27.7	nd	bdl			nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2364	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	dentary	bdl	nd	bdl			nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2398	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	phalanx	bdl	nd	bdl			nd
Perissodactyla	Equidae	*Equus*	*sp.*	908	2334	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	skull	bdl	nd	bdl			nd
Perissodactyla	Equidae	*Equus*	*sp.*	30967	2223b	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-1.7	-10.5	NA	28.3	-2.5	nd
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	804	84	Herbivore	Non-ruminant	Montell Shelter	Pleistocene	Present Study	enamel	tooth	-11.4	-20.2	NA		-6.8	nd
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	933	973	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Present Study	enamel	premolar 3	-10.5	-19.3	NA		-6.0	nd
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	30967	74	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 2	-12.3	-21.1	NA	31.3	0.4	nd
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	30967	89	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-11.7	-20.5	NA	30.0	-0.8	nd
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	30967	176	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-11.6	-20.4	NA	29.4	-1.4	nd
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	30967	222	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-11.3	-20.1	NA	30.6	-0.3	nd
Perissodactyla	Tapiridae	*Tapirus*	*veroensis*	30967	281	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 2	-10.6	-19.4	NA	30.1	-0.7	nd
Pilosa	Mylodontidae	*Paramylodon*	*harlani*	908	2304	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	phalanx	bdl	nd	bdl			nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	933	674	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Present Study	collagen	bone	-24.7	-24.7	2.7			2.7
Proboscidea	Elephantidae	*Mammut*	*americanum*	933	3532	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	n/a	-17.0	-17.0	6.9			3.0
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	50	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-10.4	-19.2	NA	30.1	-0.7	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	156	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-10.3	-19.1	NA		-1.9	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	205	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-9.4	-18.2	NA		-3.8	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	247	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-11.2	-20.0	NA	31.7	0.8	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	257	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-11.0	-19.8	NA	30.2	-0.6	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	321	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-10.2	-19.0	NA	28.4	-2.4	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	321	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-10.0	-18.8	NA		-1.6	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	339	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-10.7	-19.5	NA	29.8	-1.0	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	341	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-9.5	-18.3	NA		-1.7	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	351	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-9.5	-18.3	NA	29.6	-1.2	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	352	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-10.1	-18.9	NA	30.7	-0.2	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	395	Herbivore	Non-ruminant	Ingleside	Pleistocene	Cerling et al. 1999	enamel	tooth	-10.6	-19.4	NA	nd	nd	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	470	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-12.0	-20.8	NA	31.2	0.3	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	525	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-11.9	-20.7	NA	30.8	-0.1	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	591	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 3	-9.9	-18.7	NA	30.3	-0.5	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	591	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-9.9	-18.7	NA	30.3	-0.5	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	593	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-11.1	-19.9	NA	31.7	0.8	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	606	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-12.5	-21.3	NA	30.6	-0.3	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	650	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 1	-10.7	-19.5	NA	29.6	-1.2	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	672	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-12.6	-21.4	NA	30.6	-0.3	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	727	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-11.7	-20.5	NA	30.4	-0.4	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	728	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-10.5	-19.3	NA	30.9	0.0	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	766	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 2	-10.8	-19.6	NA	29.2	-1.6	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	773	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-10.1	-18.9	NA		-2.6	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	899	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-12.4	-21.2	NA	28.6	-2.2	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	906	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-10.6	-19.4	NA	28.5	-2.3	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	980	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 2	-11.4	-20.2	NA	29.0	-1.8	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	30967	1922	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-7.2	-16.0	NA		0.0	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	40450	1	Herbivore	Non-ruminant	ave Without A Nam	Pleistocene	Present Study	collagen	maxilla	-20.0	-20.0	4.5			3.0
Proboscidea	Elephantidae	*Mammut*	*americanum*	43067	39	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Present Study	enamel	molar 2	-10.6	-19.4	NA		-6.1	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	43067	103	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Present Study	enamel	molar	-10.2	-18.9	NA		-5.0	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	43067	104	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Present Study	enamel	molar 3	-9.9	-18.7	NA		-4.5	nd
Proboscidea	Elephantidae	*Mammut*	*americanum*	908	2302	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	rib	-25.6	nd	3.1			4.7
Proboscidea	Elephantidae	*Mammut*	*americanum*	908	2305	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	dentary	-25.0	nd	2.3			4.2
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	908	2377	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	enamel	tooth	-1.8	-10.6	NA	29.0	-1.8	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	908	2408	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Koch 2004	enamel	cheek tooth	-1.8	-10.6	NA	30.1	-0.8	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	133	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 2 or 3	-5.1	-13.9	NA	29.9	-0.9	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	296	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 2 or 3	-1.5	-10.3	NA	30.0	-0.8	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	358	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 2 or 3	-1.4	-10.2	NA	29.1	-1.8	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	928	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	cheek tooth	-2.1	-10.9	NA	29.3	-1.5	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	1006	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 2 or 3	-0.1	-8.9	NA	29.9	-1.0	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	1013	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	cheek tooth	-1.2	-10.0	NA	30.4	-0.4	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	1309	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	cheek tooth	-1.7	-10.5	NA	28.1	-2.6	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	1505	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 3	-0.1	-8.9	NA	30.1	-0.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	1506	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 2 or 3	-1.2	-10.0	NA	29.2	-1.6	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	1507	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 1 or 2	-3.4	-12.1	NA	29.3	-1.5	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	2014	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 3	0.0	-8.8	NA	30.0	-0.8	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	2015	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 2 or 3	-1.4	-10.2	NA	28.9	-1.9	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	2022	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar or mola	-3.9	-12.7	NA	30.2	-0.6	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	2243	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	molar 2 or 3	-1.1	-9.8	NA	29.2	-1.6	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	2676	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	cheek tooth	-1.9	-10.7	NA	30.1	-0.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	3407	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Koch 2004	enamel	cheek tooth	-3.5	-12.3	NA	31.1	0.2	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	937	818	Herbivore	Non-ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	molar 3	-0.9	-9.7	NA	27.8	-2.9	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	937	126b	Herbivore	Non-ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	molar 3	-8.6	-17.4	NA	22.2	-8.4	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	937	46b	Herbivore	Non-ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	molar 3	-8.7	-17.5	NA	23.8	-6.9	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	937	E6	Herbivore	Non-ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	cheek tooth	-0.3	-9.1	NA	29.3	-1.5	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30907	10	Herbivore	Non-ruminant	Leo.Boatright.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.8	-11.6	NA	28.7	-2.1	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30907	29	Herbivore	Non-ruminant	Leo.Boatright.Pit	Pleistocene	Koch 2004	enamel	molar 2 or 3	-3.0	-11.8	NA	30.4	-0.5	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30907	40	Herbivore	Non-ruminant	Leo.Boatright.Pit	Pleistocene	Koch 2004	enamel	molar 3	-2.3	-11.1	NA	28.6	-2.2	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30907	79	Herbivore	Non-ruminant	Leo.Boatright.Pit	Pleistocene	Koch 2004	enamel	premolar 2 c	-7.0	-15.8	NA	26.7	-4.0	nd

Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	148	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 3	-2.6	-11.4	NA	30.0	-0.9	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	165	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 3	-1.9	-10.7	NA		-1.4	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	165	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 3	-1.6	-10.4	NA	30.1	-0.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	214	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 2 or 3	-1.0	-9.8	NA	29.9	-0.9	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	227	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 3	-0.8	-9.6	NA		0.5	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	322	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	0.2	-8.6	NA	31.4	0.5	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	500	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 1 or 2	-1.4	-10.1	NA	30.4	-0.5	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	679	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar	-0.8	-9.6	NA	30.1	-0.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	711	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	tooth	-1.2	-10.0	NA	31.2	0.3	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	724	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 2 or 3	-1.1	-9.9	NA	29.9	-0.9	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	787	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-1.1	-9.9	NA	28.0	-2.8	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	808	Herbivore	Non-ruminant	Ingleside	Pleistocene	Cerling et al. 1999	enamel	tooth	-0.9	-9.7	NA	nd	nd	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	818	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar 3	-2.3	-11.1	NA	28.5	-2.3	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1214	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	molar 2 or 3	-1.6	-10.3	NA		-2.2	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1214	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 3	-1.0	-9.7	NA	29.9	-1.0	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1273	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-1.9	-10.7	NA		-0.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1273	Herbivore	Non-ruminant	Ingleside	Pleistocene	Present Study	enamel	tooth	-1.7	-10.5	NA	29.4	-1.4	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1724	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 2 or 3	-1.1	-9.9	NA	29.9	-0.9	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1787	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 3	-1.1	-9.9	NA	28.0	-2.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	30967	1818	Herbivore	Non-ruminant	Ingleside	Pleistocene	Koch 2004	enamel	molar 3	-2.3	-11.0	NA	28.6	-2.2	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31030	3	Herbivore	Non-ruminant	Valley Farms	Pleistocene	Koch 2004	enamel	premolar 2 c	-7.6	-16.4	NA	26.2	-4.5	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	31030	8	Herbivore	Non-ruminant	Valley Farms	Pleistocene	Koch 2004	enamel	molar 2 or 3	-3.1	-11.9	NA	28.0	-2.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	40529	9	Herbivore	Non-ruminant	E & A Gravel Pit	Pleistocene	Present Study	enamel	molar	-1.2	-9.9	NA		-3.3	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	40545	17	Herbivore	Non-ruminant	Nueces River	Pleistocene	Present Study	enamel	molar 3	-1.4	-10.2	NA		-0.1	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	40722	1	Herbivore	Non-ruminant	Laubach Cave	Pleistocene	Koch 2004	enamel	cheek tooth	-3.0	-11.8	NA	30.2	-0.6	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	40806	433	Herbivore	Non-ruminant	Bonfire Shelter	Pleistocene	Koch 2004	enamel	premolar 4	-2.8	-11.6	NA	29.5	-1.3	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	43067	37	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Koch 2004	enamel	tooth	-1.0	-9.8	NA	28.7	-2.1	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	43067	37	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Present Study	enamel	molar 2 or 3	-1.0	-9.8	NA	28.7	-2.1	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	43442	1	Herbivore	Non-ruminant	ain In The Glass Ca	Pleistocene	Present Study	enamel	tooth	-1.6	-10.4	NA		-3.5	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	BDM	#4	Herbivore	Non-ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	tooth	0.3	-8.5	NA	24.2	-6.5	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	BDM	na	Herbivore	Non-ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	tooth	-1.9	-10.7	NA	29.9	-0.9	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	BDM	na	Herbivore	Non-ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	tooth	-1.6	-10.4	NA	29.8	-1.0	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	BDM	na	Herbivore	Non-ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	tooth	-0.8	-9.6	NA	27.6	-3.2	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	MSU	7391	Herbivore	Non-ruminant	Schulze Cave	Pleistocene	Koch 2004	enamel	premolar	-4.2	-13.0	NA	29.1	-1.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	MSU	uncat.	Herbivore	Non-ruminant	Easely.Ranch	Pleistocene	Koch 2004	enamel	cheek tooth	-0.8	-9.6	NA	30.2	-0.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-12	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.8	-11.6	NA	30.6	-0.3	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-19	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.3	-11.1	NA	30.1	-0.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-21	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.2	-11.0	NA	30.7	-0.2	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-23	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-4.6	-13.4	NA	29.8	-1.0	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-B	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-1.8	-10.5	NA	30.4	-0.4	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-C	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.5	-11.2	NA	30.0	-0.9	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-D	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.1	-10.9	NA	29.9	-1.0	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-E	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-3.1	-11.9	NA	29.1	-1.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-F	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-3.3	-12.1	NA	29.1	-1.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-I	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.3	-11.1	NA	30.4	-0.4	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-K	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.7	-11.5	NA	28.0	-2.8	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-M	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-3.5	-12.3	NA	30.0	-0.8	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-N	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.0	-10.8	NA	30.7	-0.2	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMNH	WACO-Q	Herbivore	Non-ruminant	Waco Mammoth Sit	Pleistocene	Koch 2004	enamel	cheek tooth	-3.3	-12.1	NA	29.3	-1.6	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	60345	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.2	-11.0	NA	29.1	-1.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	60351	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-1.3	-10.1	NA	29.7	-1.2	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	60670	Herbivore	Non-ruminant	Clear Creek	Pleistocene	Koch 2004	enamel	molar 3	-2.4	-11.2	NA	27.2	-3.6	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	60670	Herbivore	Non-ruminant	Clear Creek	Pleistocene	Koch 2004	enamel	molar 3	-1.1	-9.9	NA	27.8	-3.0	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	60844	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-3.2	-12.0	NA	28.3	-2.5	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	61233	Herbivore	Non-ruminant	Ben Franklin	Pleistocene	Koch 2004	enamel	cheek tooth	-3.5	-12.3	NA	30.0	-0.9	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	61244	Herbivore	Non-ruminant	Ben Franklin	Pleistocene	Koch 2004	enamel	cheek tooth	-1.3	-10.1	NA	29.4	-1.4	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	61245	Herbivore	Non-ruminant	Ben Franklin	Pleistocene	Koch 2004	enamel	cheek tooth	-1.3	-10.1	NA	29.5	-1.3	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	62287	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-1.7	-10.5	NA	29.7	-1.1	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	62357	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.7	-11.5	NA	28.2	-2.6	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	62358	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-3.9	-12.7	NA	28.5	-2.3	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	62359	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-3.6	-12.4	NA	28.5	-2.3	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	70153	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-2.3	-11.1	NA	29.1	-1.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	70161	Herbivore	Non-ruminant	Moore.Pit	Pleistocene	Koch 2004	enamel	cheek tooth	-3.4	-12.2	NA	27.6	-3.2	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	SMP	uncat	Herbivore	Non-ruminant	Blackwater Draw	Pleistocene	Koch 2004	enamel	molar	-7.2	-16.0	NA	23.9	-6.7	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	ıncatalougedA		Herbivore	Non-ruminant		Pleistocene	Present Study	enamel	tooth	-0.7	-9.5	NA		-2.2	nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	41465	172	Herbivore	Non-ruminant	Laubach 5	Pleistocene	Present Study	collagen	carpal	bdl	nd	bdl			nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	43067	37	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Present Study	collagen	femur	bdl	nd	bdl			nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	43067	101	Herbivore	Non-ruminant	Congress Avenue	Pleistocene	Present Study	collagen	n/a	bdl	nd	bdl			nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	40613	1.11	Herbivore	Non-ruminant	San Domingo Creek	Pleistocene	Present Study	collagen	rib	bdl	nd	bdl			nd
Proboscidea	Elephantidae	*Mammuthus*	*sp.*	933	748	Herbivore	Non-ruminant	Friesenhahn Cave	Pleistocene	Present Study	collagen	skull	bdl	nd	bdl			nd
Proboscidea	Elephantidae	*Proboscidea*	*sp.*	L327	7	Herbivore	Non-ruminant	Near Enloe Bridge	Pleistocene	Present Study	collagen	dentine	bdl	nd	bdl			nd
Proboscidea	Elephantidae	*Proboscidea*	*sp.*	908	2443	Herbivore	Non-ruminant	Kincaid Shelter	Pleistocene	Present Study	collagen	rib	bdl	nd	bdl			nd
Proboscidea	Gomphotheriidae	*Cuvieronius*	*sp.*	30967	219	Herbivore	Non-ruminant	Ingleside	Pleistocene	Yann et al. 2016	enamel	molar	-7.4	-16.2	NA	29.3	-1.5	nd

Table S6. RMA relationships and δ13C carbonate- δ13C collagen spacing associated with enamel-collagen offsets. Data are from Codron et al. 2018.

Group	RMA Slope	RMA Intercept	r2	p-value	Mean $\delta^{13}C_{collagen}$	Mean spacing ($\delta^{13}C_{carbonate}$ - $\delta^{13}C_{collagen}$)	Spacing Stdev	mean $\delta^{13}C_{corrected}$	mean $\delta^{13}C_{corrected}$ - mean $\delta^{13}C_{collagen}$
Ruminant	1.21	11.03	0.90	<0.01	-14.7	8.8	2.2	-15.2	-0.5
Non-ruminant	1.05	9.43	0.88	<0.01	-13.0	8.8	1.8	-13.0	0.0
Felidae	0.96	3.92	0.91	<0.01	-14.1	4.4	1.2	-13.6	0.5
Canidae	1.12	6.77	0.90	<0.01	-15.1	5.0	1.2	-15.1	0.0

Table S7. Statistical tests of changes in body mass and isotopes from the Pleistocene to Holocene. Welsh Two Sample t-test

MASS: PLEISTOCENE - HOLOCENE

Status	Order	Family	Genus	Species	Common Name	ANOVA p-value	Holocene Mean Mass	Pleistocene Mean Mass	t	p-value	α-Bonferroni (=0.0038)	df	estimate	conf.low	conf.high
Extant	Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	Pronghorn	0.519	52.1	58.3	-0.64	0.533	n	14.5	-6.2	-26.9	14.5
Extinct/Extant	Artiodactyla	Bovidae	*Bison**	*antiquus-bison*	Bison	1.7E-10	476.7	778.5	-6.93	2.3E-10	y	119.0	11.9	4.1	19.7
Extant	Artiodactyla	Cervidae	*Odocoileus*	*sp.*	Deer	0.018	73.4	61.4	3.01	0.003	y	137.3	-301.8	-388.0	-215.5
Extant	Carnivora	Canidae	*Canis*	*familiaris*	Domestic dog	0.036	8.4	11.5	-1.43	0.241	n	3.3	-3.1	-9.6	3.4
Extant	Carnivora	Canidae	*Canis*	*latrans*	Coyote	0.297	9.6	10.4	-1.08	0.284	n	56.8	-0.8	-2.2	0.7
Extant	Carnivora	Canidae	*Canis*	*latrans/familiaris*	Coyote or Dog	0.539	9.5	9.1	0.58	0.565	n	32.2	0.4	-1.1	1.9
Extant	Carnivora	Canidae	*Canis*	*lupus*	Wolf	0.686	28.0	29.3	-0.43	0.670	n	22.4	-1.2	-7.2	4.7
Extant/Extinct	Carnivora	Canidae	*Canis*	*sp.*	Wolf, Coyote or Dog	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Felidae	*Lynx*	*rufus*	Bobcat	0.068	15.9	11.1	1.88	0.089	n	10.5	4.8	-0.9	10.4
Extant	Carnivora	Felidae	*Panthera*	*onca*	Jaguar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Mephitidae	*Mephitis*	*mephitis*	Striped skunk	0.649	2.0	2.3	-0.94	0.375	n	8.4	-0.3	-1.2	0.5
Extant	Carnivora	Mephitidae	*Spilogale*	*sp.*	Skunk	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Procyonidae	*Procyon*	*lotor*	Raccoon	0.717	7.1	5.8	0.35	0.751	n	2.8	1.4	-11.6	14.3
Extant	Carnivora	Ursidae	*Ursus*	*americanus*	Black bear	0.874	173.7	178.5	-0.15	0.885	n	9.9	-4.8	-76.8	67.2
Extant	Lagomorpha	Leporidae	*Lepus*	*sp.*	Jackrabbit	0.016	4.5	2.8	3.07	0.005	n	24.1	1.7	0.5	2.8
Extant	Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	Cottontail rabbit	3.6E-04	0.8	1.0	-3.55	0.001	y	134.9	-0.2	-0.3	-0.1

δ13C: PLEISTOCENE - HOLOCENE

Status	Order	Family	Genus	Species	Common Name	ANOVA p-value	Holocene Mean $\delta^{13}C$	Pleistocene Mean $\delta^{13}C$	t	p-value	α-Bonferroni (=0.0035)	df	estimate	conf.low	conf.high
Extant	Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	Pronghorn	0.933	-19.0	-18.9	-0.27	0.795	n	10.3	-0.1	-0.9	0.7
Extinct/Extant	Artiodactyla	Bovidae	*Bison**	*antiquus-bison*	Bison	0.163	-10.1	-9.4	-1.39	0.185	n	14.6	-0.7	-1.9	0.4
Extant	Artiodactyla	Cervidae	*Odocoileus*	*sp.*	Deer	0.023	-19.2	-19.9	2.53	0.015	n	43.5	0.8	0.2	1.4
Extant	Carnivora	Canidae	*Canis*	*familiaris*	Domestic dog	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Canidae	*Canis*	*latrans*	Coyote	0.274	-13.5	-14.9	1.38	0.208	n	7.7	1.4	-1.0	3.8
Extant	Carnivora	Canidae	*Canis*	*latrans/familiaris*	Coyote or Dog	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Canidae	*Canis*	*lupus*	Wolf	0.486	-11.5	-13.3	0.84	0.437	n	5.0	1.8	-3.6	7.1
Extant/Extinct	Carnivora	Canidae	*Canis*	*sp.*	Wolf, Coyote or Dog	0.426	-14.4	-15.5	0.52	0.652	n	2.2	1.1	-7.1	9.2
Extant	Carnivora	Felidae	*Lynx*	*rufus*	Bobcat	0.016	-15.6	-17.7	2.56	0.040	y	6.6	2.2	0.1	4.2
Extant	Carnivora	Felidae	*Panthera*	*onca*	Jaguar	0.001	-10.4	-15.6	5.78	0.009	y	3.1	5.2	2.4	8.1
Extant	Carnivora	Mephitidae	*Mephitis*	*mephitis*	Striped skunk	0.621	-14.9	-15.4	0.61	0.554	n	9.0	0.5	-1.3	2.3
Extant	Carnivora	Mephitidae	*Spilogale*	*sp.*	Skunk	0.543	-16.9	-17.4	0.57	0.592	n	4.8	0.4	-1.5	2.4
Extant	Carnivora	Procyonidae	*Procyon*	*lotor*	Raccoon	0.335	-16.2	-17.5	1.17	0.391	n	1.6	1.2	-4.9	7.3
Extant	Carnivora	Ursidae	*Ursus*	*americanus*	Black bear	0.409	-18.2	-18.8	0.86	0.412	n	8.5	0.5	-0.9	2.0
Extant	Lagomorpha	Leporidae	*Lepus*	*sp.*	Jackrabbit	0.001	-16.3	-18.3	3.22	0.002	y	66.0	2.0	0.8	3.2
Extant	Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	Cottontail rabbit	7.6E-05	-17.6	-18.7	4.38	1.7E-05	y	286.3	1.1	0.6	1.6
Extant	Artiodactyla	Tayassuidae	*Pecari*	*tajacu*	Collared peccary	0.438	-16.5	-16.2	-0.96	0.494	n	1.2	-0.4	-3.7	3.0

$\delta^{15}N$: PLEISTOCENE - HOLOCENE

Status	Order	Family	Genus	Species	Common Name	ANOVA p-value	Holocene Mean δ15N	Pleistocene Mean δ15N	t	p-value	α-Bonferroni (=0.0035)	df	estimate	conf.low	conf.high
Extant	Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	Pronghorn	0.844	6.5	6.7	-0.43	0.692	n	3.6	-0.2	-1.2	0.9
Extinct/Extant	Artiodactyla	Bovidae	*Bison**	*antiquus-bison*	Bison	2.5E-04	6.1	8.7	-1.50	0.373	n	1.0	-2.6	-23.6	18.5
Extant	Artiodactyla	Cervidae	*Odocoileus*	*sp.*	Deer	0.120	6.5	7.1	-1.05	0.315	n	12.3	-0.6	-1.9	0.7
Extant	Carnivora	Canidae	*Canis*	*familiaris*	Domestic dog	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Canidae	*Canis*	*latrans*	Coyote	0.743	9.4	9.6	-0.36	0.732	n	6.4	-0.3	-2.2	1.7
Extant	Carnivora	Canidae	*Canis*	*latrans/familiaris*	Coyote or Dog	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Canidae	*Canis*	*lupus*	Wolf	0.138	9.8	11.8	-1.85	0.127	n	4.8	-2.0	-4.7	0.8

Extant/Extinct	Carnivora	Canidae	*Canis*	*sp.*	Wolf, Coyote or Dog	0.826	9.1	8.8	0.13	0.910	n	2.1	0.3	-8.4	9.0
Extant	Carnivora	Felidae	*Lynx*	*rufus*	Bobcat	0.001	9.1	6.8	3.88	0.006	n	7.2	2.3	0.9	3.7
Extant	Carnivora	Felidae	*Panthera*	*onca*	Jaguar	0.079	13.1	12.1	1.93	0.169	n	2.5	1.0	-0.9	2.9
Extant	Carnivora	Mephitidae	*Mephitis*	*mephitis*	Striped skunk	0.954	9.5	9.6	-0.05	0.960	n	4.6	-0.1	-4.0	3.9
Extant	Carnivora	Mephitidae	*Spilogale*	*sp.*	Skunk	0.330	11.0	9.9	0.90	0.414	n	4.5	1.1	-2.1	4.2
Extant	Carnivora	Procyonidae	*Procyon*	*lotor*	Raccoon	1.000	8.7	8.7	0.00	1.000	n	5.6	0.0	-2.0	2.0
Extant	Carnivora	Ursidae	*Ursus*	*americanus*	Black bear	0.963	5.7	5.8	-0.05	0.965	n	5.8	0.0	-2.6	2.5
Extant	Lagomorpha	Leporidae	*Lepus*	*sp.*	Jackrabbit	0.081	5.3	5.8	-1.44	0.156	n	48.4	-0.6	-1.4	0.2
Extant	Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	Cottontail rabbit	7.3E-06	5.3	4.7	4.12	0.000	y	167.9	0.7	0.3	1.0
Extant	Artiodactyla	Tayassuidae	*Pecari*	*tajacu*	Collared peccary	0.207	6.5	7.2	-1.84	0.264	n	1.4	-0.7	-3.4	2.0

MASS: HOLOCENE - MODERN

Status	**Order**	**Family**	Genus	Species	**Common Name**	**ANOVA p-value**	**Modern Mean Mass**	**Holocene Mean Mass**	**t**	**p-value**	**α-Bonferroni (=0.01)**	**df**	**estimate**	**conf.low**	**conf.high**
x	Artiodactyla	Antilocapridae	*Antilocapra*	*americana*	Pronghorn	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extinct/Extant	Artiodactyla	Bovidae	*Bison**	*antiquus-bison*	Bison	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Artiodactyla	Cervidae	*Odocoileus*	*sp.*	Deer	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Canidae	*Canis*	*familiaris*	Domestic dog	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Canidae	*Canis*	*latrans*	Coyote	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Canidae	*Canis*	*latrans/familiaris*	Coyote or Dog	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Canidae	*Canis*	*lupus*	Wolf	2.2E-04	21.7	28.0	3.04	0.011	n	10.7	6.3	1.7	10.9
Extant/Extinct	Carnivora	Canidae	*Canis*	*sp.*	Wolf, Coyote or Dog	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Felidae	*Lynx*	*rufus*	Bobcat	0.035	11.7	15.9	1.75	0.114	n	8.9	4.2	-1.2	9.7
Extant	Carnivora	Felidae	*Panthera*	*onca*	Jaguar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Mephitidae	*Mephitis*	*mephitis*	Striped skunk	0.128	1.5	2.0	2.38	0.155	n	1.8	0.4	-0.5	1.3
Extant	Carnivora	Mephitidae	*Spilogale*	*sp.*	Skunk	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Procyonidae	*Procyon*	*lotor*	Raccoon	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Carnivora	Ursidae	*Ursus*	*americanus*	Black bear	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Extant	Lagomorpha	Leporidae	*Lepus*	*sp.*	Jackrabbit	0.018	2.6	4.5	4.42	2.5E-04	y	20.7	1.9	1.0	2.8
Extant	Lagomorpha	Leporidae	*Sylvilagus*	*sp.*	Cottontail rabbit	8.3E-05	1.3	0.8	-2.26	0.046	n	10.4	-0.5	-1.1	0.0

Table S8. Isotope values by molar position. Data from Codron et al. 2018. Signficance values presented are prior to bonferroni corrections; adjusted α =0.001 ; thus, only one comparison is significant (bolded)

											Carbon isotope comparisons w/o bonferroni corrections						*nitrogen isotope comparisons w/o bonferroni corrections*					
Taxon	Common name	Order	Family	Element sampled	N ($\delta^{13}C$)	Mean Collagen $\delta^{13}C$ (‰)	$\delta^{13}C$ Stdev (‰)	N ($\delta^{15}N$)	Mean $\delta^{15}N$ (‰)	$\delta^{15}N$ Stdev (‰)	M1 *vs.* M2	M1 *vs.* M3	M2 *vs.* M3	bone *vs.* M1	bone *vs.* M2	bone *vs.* M3	M1 *vs.* M2	M1 *vs.* M3	M2 *vs.* M3	bone *vs.* M1	bone *vs.* M2	bone *vs.* M3
Connochaetes taurinus	Blue wildebeest	Artiodactyla	Bovidae	M1	3	-7.4	1.81	3	7.16	1.69	*ns*	*ns*	*ns*	*ns*	*ns*	*ns*	*ns*	*ns*	*ns*	*ns*	*ns*	*ns*
				M2	6	-9.47	1.34	6	9.66	1.81												
				M3	4	-8.49	2.04	4	9.01	1.63												
				bone	18	-7.68	1.61	12	8.06	2.34												
Connochaetes gnou	Black wildebeest	Artiodactyla	Bovidae	M2	4	-9.7	2	4	9.53	0.98	---	---	*ns*	*ns*	*ns*	*ns*	---	---	*ns*	---	*ns*	**0.001**
				M3	8	-10.8	4.4	8	10.93	1.45												
				bone	16	-8.42	1.37	15	8.23	1.31												
Procavia capensis	Rock hyrax	Hyracoidea	Procaviidae	M2	4	-20.57	2.11	4	7.35	1.19	---	---	*ns*	---	---	---	---	---	*ns*	---	---	---
				M3	6	-19.92	1.3	6	7.87	1.91												
				bone		n/a																
Antidorcas marsupialis	Springbok	Artiodactyla	Bovidae	M1	3	-20.58	1.72	3	13.23	1.94	*ns*	*0.02*	*ns*	*ns*	*ns*	*ns*	*ns*	0.02	*ns*	0.003	ns	ns
				M2	2	-19.3	2.07	2	12.09	0.79												
				M3	15	-18.12	1.48	15	11.53	0.86												
				bone	24	-18.37	2.17	16	9.71	1.55												
Damaliscus pygargus	Blesbok	Artiodactyla	Bovidae	M2	3	-9.39	0.46	3	8.17	0.96	---	---	*ns*	*ns*	*ns*	*ns*	---	---	*ns*	---	*ns*	0.04
				M3	7	-10.99	3.47	7	7.34	1.26												
				bone	7	-10.55	3.98	6	9.37	1.95												
Oryx gazella	Gemsbok	Artiodactyla	Bovidae	M1	3	-12.59	1.28	3	8.27	1.01	*ns*	*ns*	*ns*	*ns*	*ns*	*ns*	*ns*	*ns*	*ns*	0.02	*ns*	*ns*
				M2	3	-11.78	0.87	3	8.7	1.64												
				M3	2	-12.47	0.59	2	8.39	0.51												
				bone	9	-10.01	1.97	7	11.53	1.84												
Raphicerus campestris	Steenbok	Artiodactyla	Bovidae	M1	1	-19.18		1	11.95		--	--	*ns*	---	---	---	---	---	*ns*	---	---	---
				M2	3	-19.9	2.25	3	11.46	2.59												
				M3	4	-21.76	2.3	3	10.1	2.05												
				bone	1	-17.88		1	9.17													
Tragelaphus oryx	Eland	Artiodactyla	Bovidae	M2	2	-20.76	0.69	2	12.33	1.5	---	---	*ns*	---	*ns*	*ns*	---	---	*ns*	---	*ns*	*ns*
				M3	8	-19.62	1.98	8	11.32	3.2												
				bone	8	-18.56	1.55	5	10.08	2.72												
Equus quagga	Plains zebra	Perissodactyla	Equidae	M2	2	-8.97	1.22	2	3.76	0.04	---	---	*ns*	*ns*	*ns*	*0.02*	---	---	*ns*	---	---	---
				M3	8	-9.67	0.83	7	4.65	0.75												
				bone	4	-8.03	1.1	---														

Table S9. Results of ANOVA tests for isotope values across enamel ($\delta^{13}C$), collagen (δ13C and δ15N), and enamel versus collagen (corrected δ13C). Bonferroni adjusted signficance values given

Only groups with 7 or more samples were included. Bonferroni corrections were made for multiple comparisons. No comparisons were significant after adjustment

			PLEISTOCENE: Enamel $\delta^{13}C$						PLEISTOCENE: Collagen $\delta^{13}C$					$\delta^{15}N$		
Family	Genus	Species	Number of Specimens	Number of Elements	df	F-value	P-value	Bonferroni adjusted significance level	Number of Specimens	Number of Elements	df	F-value	P-value	F-value	P-value	Bonferroni adjusted significance level
Antilocapridae	*Antilocapra*	*americana*	0	--	--	--	--	--	2	--	--	--	--	--	--	--
Antilocapridae	*Capromeryx*	*sp.*	1	--	--	--	--	--	0	--	--	--	--	--	--	--
Antilocapridae	*Tetrameryx*	*sp.*	0	--	--	--	--	--	1	--	--	--	--	--	--	--
Bovidae	*Bison*	*antiquus*	2	--	--	--	--	--	2	--	--	--	--	--	--	--
Bovidae	*Bison*	*bison*	0	--	--	--	--	--	0	--	--	--	--	--	--	--
Bovidae	*Bison*	*latifrons*	1	--	--	--	--	--	0	--	--	--	--	--	--	--
Bovidae	*Bison*	*sp.*	29	8	7/21	1.00	0.460	0.002	12	5	4/7	1.04	0.452	0.51	0.730	0.005
Camelidae	*Camelops*	*hesternus*	22	5	4/17	1.03	0.419	0.005	0	--	--	--	--	--	--	--
Camelidae	*Palaeolama*	*mirifica*	5	--	--	--	--	--	0	--	--	--	--	--	--	--
Canidae	*Canis*	*dirus*	3	--	--	--	--	--	5	--	--	--	--	--	--	--
Canidae	*Canis*	*familiaris*	0	--	--	--	--	--	0	--	--	--	--	--	--	--
Canidae	*Canis*	*latrans*	0	--	--	--	--	--	5	--	--	--	--	--	--	--
Canidae	*Canis*	*lupus*	0	--	--	--	--	--	2	--	--	--	--	--	--	--
Canidae	*Vulpes*	*sp.*	0	--	--	--	--	--	0	--	--	--	--	--	--	--
Cervidae	*Navahocerus*	*fricki*	1	--	--	--	--	--	0	--	--	--	--	--	--	--
Cervidae	*Odocoileus*	*sp.*	6	--	--	--	--	--	11	4	3/7	1.76	0.242	4.33	0.050	0.008
Elephantidae	*Mammut*	*americanum*	2	--	--	--	--	--	0	--	--	--	--	--	--	--
Elephantidae	*Mammuthus*	*sp.*	76	10	9/66	3.14	0.003	0.001	0	--	--	--	--	--	--	--
Equidae	*Equus*	*sp.*	83	14	13/69	1.62	0.100	0.001	5	--	--	--	--	--	--	--
Felidae	*Felis*	*idii/yagouarou*	0	--	--	--	--	--	1	--	--	--	--	--	--	--
Felidae	*Homotherium*	*serum*	0	--	--	--	--	--	1	--	--	--	--	--	--	--
Felidae	*Lynx*	*rufus*	0	--	--	--	--	--	5	--	--	--	--	--	--	--
Felidae	*Panthera*	*leo atrox*	2	--	--	--	--	--	0	--	--	--	--	--	--	--
Felidae	*Panthera*	*onca*	1	--	--	--	--	--	3	--	--	--	--	--	--	--
Felidae	*Puma*	*concolor*	0	--	--	--	--	--	0	--	--	--	--	--	--	--
Felidae	*Smilodon*	*fatalis*	4	--	--	--	--	--	1	--	--	--	--	--	--	--
Gomphotheriidae	*Cuvieranius*	*sp.*	0	--	--	--	--	--	0	--	--	--	--	--	--	--
Leporidae	*Lepus*	*sp.*	0	--	--	--	--	--	0	--	--	--	--	--	--	--
Leporidae	*Sylvilagus*	*sp.*	0	--	--	--	--	--	40	5	4/35	1.70	0.173	1.10	0.372	0.005
Mephitidae	*Mephitis*	*mephitis*	0	--	--	--	--	--	4	--	--	--	--	--	--	--
Mephitidae	*Spilogale*	*sp.*	0	--	--	--	--	--	9	--	--	--	--	--	--	--
Mustelidae	*Mustela*	*sp.*	0	--	--	--	--	--	1	--	--	--	--	--	--	--
Mustelidae	*Taxidea*	*taxus*	0	--	--	--	--	--	0	--	--	--	--	--	--	--
Procyonidae	*Procyon*	*lotor*	0	--	--	--	--	--	1	--	--	--	--	--	--	--
Tapiridae	*Tapirus*	*veroensis*	2	--	--	--	--	--	0	--	--	--	--	--	--	--
Tayassuidae	*Platygonus*	*compressus*	2	--	--	--	--	--	2	--	--	--	--	--	--	--
Ursidae	*Arctodus*	*simus*	0	--	--	--	--	--	1	--	--	--	--	--	--	--
Ursidae	*Ursus*	*americanus*	0	--	--	--	--	--	4	--	--	--	--	--	--	--

ı for multiple comparisons across number of elements.

PLEISTOCENE: All Elements			Corrected δ13C			HOLOCENE: Enamel δ13C						HOLOCENE: Collagen δ13C					δ15N	
Number of Specimens (enamel:collagen)	Number of Elements	df	F-value	P-value	Bonferroni adjusted significance level	Number of Specimens	Number of Elements	df	F-value	P-value	Bonferroni adjusted significance level	Number of Specimens	Number of Elements	df	F-value	P-value	F-value	P-value
0:2	--	--	--	--	--	0	--	--	--	--	--	16	3	2/13	0.63	0.547	0.23	0.799
1:0	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
0:1	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
2:2	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
0:0	--	--	--	--	--	18	7	6/11	0.37	0.886	0.002	31	3	2/28	3.80	0.035	2.56	0.095
1:0	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
29:12	6	5/35	1.10	0.379	0.003	0	--	--	--	--	--	0	--	--	--	--	--	--
22:0	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
5:0	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
3:5	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
0:0	--	--	--	--	--	0	--	--	--	--	--	3	--	--	--	--	--	--
0:5	--	--	--	--	--	0	--	--	--	--	--	20	5	4/15	0.78	0.555	2.87	0.060
0:2	--	--	--	--	--	0	--	--	--	--	--	7	3	2/4	0.59	0.598	0.66	0.564
0:0	--	--	--	--	--	0	--	--	--	--	--	1	--	--	--	--	--	--
1:0	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
6:11	--	--	--	--	--	7	5	4/2	1.34	0.470	0.005	50	5	4/45	0.64	0.635	1.04	0.399
2:0	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
76:0	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
83:5	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
0:1	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
0:1	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
0:5	--	--	--	--	--	0	--	--	--	--	--	8	3	2/5	0.23	0.803	0.29	0.764
2:0	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
1:3	--	--	--	--	--	0	--	--	--	--	--	3	--	--	--	--	--	--
0:0	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
4:1	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
0:0	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
0:0	--	--	--	--	--	0	--	--	--	--	--	43	4	3/39	0.03	0.992	0.08	0.968
0:40	--	--	--	--	--	0	--	--	--	--	--	187	5	4/182	1.02	0.398	3.78	0.006
0:4	--	--	--	--	--	0	--	--	--	--	--	7	3	2/4	0.40	0.694	4.28	0.101
0:9	--	--	--	--	--	0	--	--	--	--	--	4	--	--	--	--	--	--
0:1	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
0:0	--	--	--	--	--	0	--	--	--	--	--	8	3	3/4	0.16	0.918	0.80	0.556
0:1	--	--	--	--	--	0	--	--	--	--	--	10	4	6/3	5.73	0.090	1.13	0.498
2:0	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
2:2	--	--	--	--	--	0	--	--	--	--	--	2	--	--	--	--	--	--
0:1	--	--	--	--	--	0	--	--	--	--	--	0	--	--	--	--	--	--
0:4	--	--	--	--	--	0	--	--	--	--	--	2	--	--	--	--	--	--

	HOLOCENE: All Elements			Corrected δ13C		
Bonferroni adjusted significance level	Number of Specimens (enamel:collagen)	Number of Elements	df	F-value	P-value	Bonferroni adjusted significance level
0.017	0:16	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
0.017	18:31	4	3/45	2.24	0.967	0.008
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:3	--	--	--	--	--
0.005	0:20	--	--	--	--	--
0.017	0:7	--	--	--	--	--
--	0:1	--	--	--	--	--
--	0:0	--	--	--	--	--
0.005	7:50	6	5/51	1.29	0.285	0.003
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:8	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:3	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:0	--	--	--	--	--
0.008	0:43	--	--	--	--	--
0.005	0:187	--	--	--	--	--
0.017	0:7	--	--	--	--	--
--	0:4	--	--	--	--	--
--	0:0	--	--	--	--	--
0.017	0:8	--	--	--	--	--
0.008	0:10	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:2	--	--	--	--	--
--	0:0	--	--	--	--	--
--	0:2	--	--	--	--	--