

[Supplementary material]

Sika deer in Bronze Age Guanzhong: sustainable wildlife exploitation in ancient China?

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Table S1. Sika deer mandibles analysed (legend: dp = deciduous premolar; P = premolar; M = molar).

Specimen ID	Context	Symmetry	Preserved dentition	Age (years)
456	Pit H174	Left	dp3, dp4, M1, M2, M3*	2–2.5
679	Pit H201	Left	dp4, M1, M2	0.5–1
778	Pit H174	Right	M2, M3	5.5
1305	Pit H174	Right	dp2*, dp3, dp4, M1	1.5–2
1619	Pit H193	Right	P2*, P3*, P4, M1, M2, M3	6.5
2354	Pit H189	Left	P4, M1, M2, M3	>8.5
4846	Pit H174	Right	P2, P3, P4, M1, M2, M3	4.5
4847	Pit H174	Right	P3, P4, M1, M2, M3	4.5
5072	Pit H174	Right	M1, M2, M3	>8.5
6623	Pit H98	Right	M1, M2	>8.5
6651	Pit H174	Left	M3	3.5–5.5
7125	Pit H174	Left	dp2, dp3, dp4, M1	0.5
7448	Pit H174	Right	P2, P3, P4, M1, M2, M3	>8.5
7594	Pit H70	Right	M2, M3	2-2.5
7859	Pit H151	Right	P4, M1, M2, M3	6.5

8094	Pit H76	Right	P2, P3, P4, M1, M2, M3*	3.5–5.5
8629	Pit H174	Right	P2, P3, P4, M1, M2, M3	>8.5
9499	Pit H160	Right	M2, M3	7.5
9502	Pit H160	Left	dp4, M1, M2, M3	2–2.5
9504	Pit H160	Right	M1	>4.5
9704	Pit H160	Left	P3, P4, M1, M2, M3	>7.5
9708	Pit H160	Left	P3*, P4, M1, M2, M3*	>6.5
10394	Ditch G6	Left	dp2, dp3, dp4, M1, M2*	1–1.5
11582	Pit H174	Right	M2, M3	>7.5
11653	Pit H174	Right	M2*, M3	>8.5
11983	Pit H190	Right	M2*, M3	>8.5
12989	Pit H174	Left	P2, P3, P4, M1, M2	2.5–5.5
13437	Pit H160	Right	dp2*, dp3, dp4, M1, M2*	2.5
13504	Pit H160	Left	P2, P3, P4, M1, M2, M3	>6.5

13744	Pit H174	Left	P3, P4, M1, M2, M3	>8.5
14083	Pit H174	Right	P2, P3, P4, M1, M2, M3	>8.5
15245	Pit H145	Left	dp2, dp3, dp4, M1, M2	1
15762	Pit H174	Left	P2, P3, P4, M1, M2, M3	6.5
16007	Pit H174	Left	P2, P3, P4, M1, M2, M3	3.5–7.5
16008	Pit H174	Left	P2*, P3, P4, M1, M2, M3	2.5–5.5
16009	Pit H174	Left	P2, P3, P4, M1, M2, M3	>8.5
16010	Pit H174	Right	P2, P3, P4, M1, M2, M3	7.5
16493	Pit H174	Right	P4*, M1, M2, M3	2–2.5
16918	Pit H73	Right	M3	>7.5
17203	Pit K2	Left	P2, P3, P4, M1, M2, M3	>8.5
17792	Pit H174	Right	M2, M3	>8.5
40347	Pit H279	Right	P4, M1, M2, M3	2.5–8.5
40460	Pit H297	Left	M1*, M2, M3	7.5
51186	Pit H266	Left	P2*, P3, P4, M1, M2, M3	>8.5

* Presence of alveolus, without the tooth.

Table S2. Bone epiphyseal fusion of sika deer from Zaoshugounao¹.

	0–2 years	2–5 years	5–6 years
Fused/fusing number	95	14	37
Percentage	97.9%	100.0%	80.4%
Unfused number	2	0	9
Percentage	2.1%	0.0%	19.6%

¹ Age stages for epiphyseal fusion: 0–2 years) scapula, distal humerus, proximal radius, pelvis, distal tibia; 2–5 years) proximal humerus, ulna, proximal femur, distal femur; 5–6 years) distal radius, proximal tibia, distal metacarpal, distal metatarsal (Wang *et al.* 2014).

Table S3. References for sika deer NISP data used in this research.

Site	Reference
Zijing	Wang (1991)
Lingkoucun	Zhang <i>et al.</i> (2004)
Guantaoyuan	Hu (2007)
Dongying	Hu (2010)
Wayagou	Wang <i>et al.</i> (2014)
Jiangzhai	Qi (1988)
Yuhuazhai	Hu (2017)
Dongyang	Liu (2018)
Quanhucun	Hu (2014)
Gongbeiya	Zong <i>et al.</i> in press.
Yangguanzhai	Hu <i>et al.</i> (2011a).
Xinglefang	Hu <i>et al.</i> (2011b).
Kangjia	Liu <i>et al.</i> (2001)
Donglongshan	Hu (2011)
Fengxi	Yuan & Xu (2000)
Zaolinhetan	Li <i>et al.</i> (2019)
Zaoshugounao	Li <i>et al.</i> (2020)

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