

Supplementary material of the Article “The fox from Baijiazui (Qingyang, central China) and an update on Early Pleistocene foxes from China” By Bartolini-Lucenti et al.

Table S1 – Loadings of the principal component analysis on upper teeth of fossil and extant *Vulpes* species shown in Figure 5, S1 and in Supplementary material.

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8
Standard Deviation	2.7673	1.1101	0.64745	0.58232	0.42997	0.4196	0.32231	0.25545
Proportion of Variance	0.7523	0.1211	0.04118	0.03332	0.01816	0.0173	0.01021	0.00641
Cumulative Proportion	0.7523	0.8734	0.9146	0.94792	0.96608	0.9834	0.99359	1
	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8
UP3L	0.46227632	0.065243	0.05409	-0.06702	0.636253	-0.59316	0.084813	-0.10383
UP3W	0.21822103	0.215564	-0.01592	0.239459	-0.32002	0.014198	0.42135	-0.75377
UP4L	0.59343701	0.108571	-0.33414	-0.51032	0.016418	0.510667	0.005807	0.053684
UP4W	0.40314308	0.368782	0.110827	0.661382	-0.06746	0.138294	0.027871	0.476774
UM1L	0.34421903	-0.23769	0.711392	-0.07112	-0.18919	0.07698	-0.48399	-0.19472
UM1W	0.30852889	-0.42937	-0.36619	0.024091	-0.56123	-0.48383	-0.04407	0.186442
UM2L	0.06390169	-0.4573	0.37606	-0.08779	0.036897	0.144981	0.742196	0.253835
UM2W	0.07891841	-0.59288	-0.30215	0.476408	0.368536	0.327135	-0.16558	-0.23184

Figure S1 – 2D views of the 3D plot of the PCA on upper teeth described in the main text. Color code follows the legend of Figure 5.

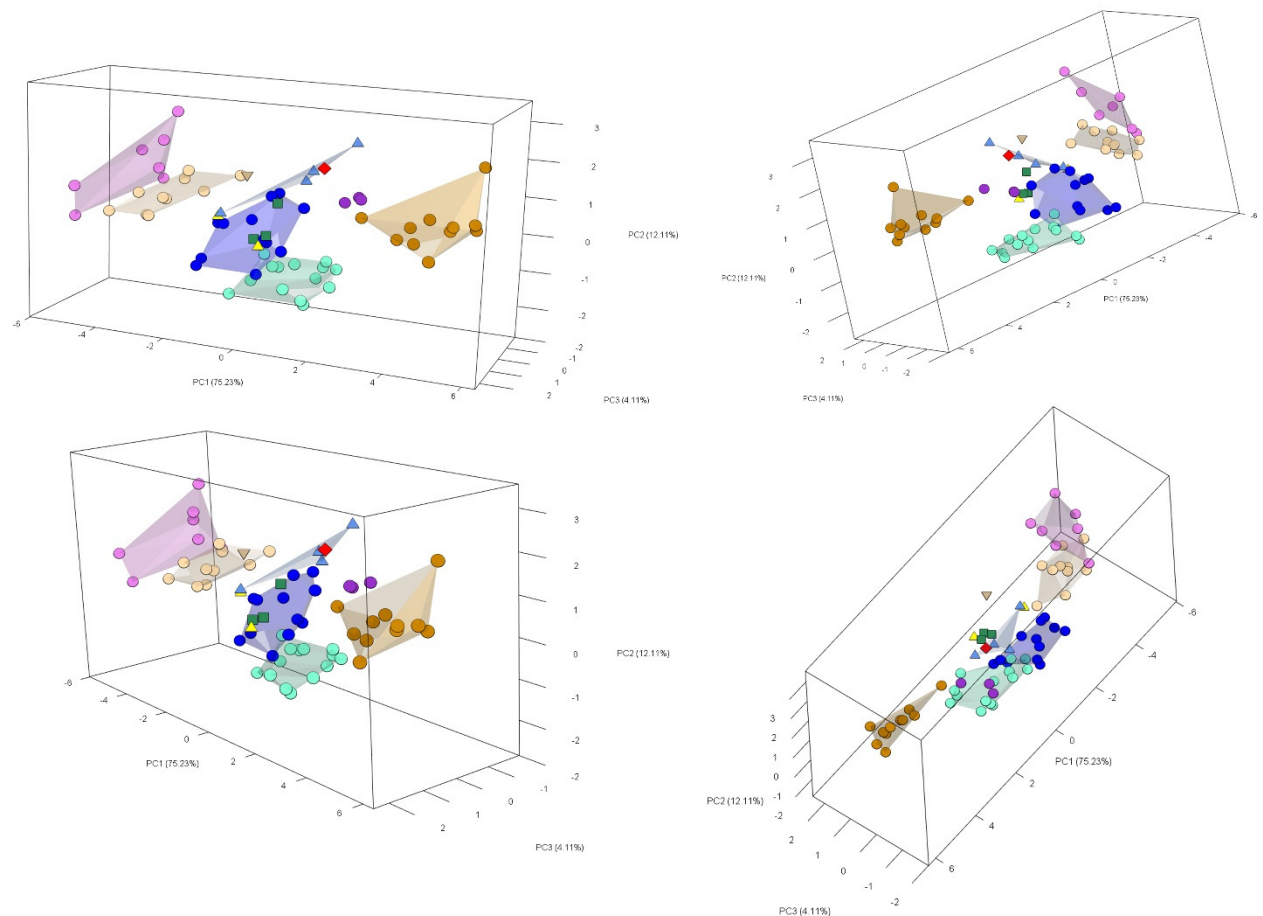


Table S2 – Loadings of the principal component analysis on lower teeth of fossil and extant *Vulpes* species shown in Figure 5, S2 and in Supplementary material.

	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11
Standard Deviation	2.9524	0.82318	0.75785	0.61197	0.44298	0.38497	0.32386	0.26246	0.2404	0.17223	0.01973
Proportion of Variance	0.7961	0.06189	0.05246	0.03421	0.01792	0.01354	0.00958	0.00629	0.00528	0.00271	0.00004
Cumulative Proportion	0.7961	0.85799	0.91044	0.94465	0.96257	0.97611	0.98569	0.99198	0.99726	0.99996	1
	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11
Lp3L	0.373742	-0.1178	0.167749	0.16887	0.445075	0.261215	0.222673	0.286476	-0.60698	-0.15264	-0.0088
Lp3W	0.2034381	-0.31385	0.043001	-0.38441	-0.07921	0.064388	-0.10519	0.275764	-0.04394	0.781455	-0.0189
Lp4L	0.3857128	-0.18828	0.199507	0.24388	0.475745	0.013546	-0.14855	-0.52253	0.408363	0.167565	0.005674
Lp4W	0.2432611	-0.33402	0.031354	-0.4304	-0.03907	0.182001	-0.46088	0.206354	0.220127	-0.55201	0.014532
Lm1L	0.5730197	0.081006	-0.16959	0.258197	-0.4	-0.26121	-0.02343	0.063166	-0.00422	-0.03901	-0.5791
Lm1W	0.2404396	-0.05631	-0.11762	-0.46116	-0.09611	0.135984	0.754955	-0.26971	0.165938	-0.12014	0.010831
Lm1tdL	0.2369413	-0.16886	-0.70066	0.13208	0.033148	-0.2594	-0.05279	0.002579	-0.09185	-0.00059	0.572151
Lm1tdW	0.1159089	0.387357	0.136023	-0.40804	0.405563	-0.67988	-0.01475	0.151146	0.001407	-0.04109	-0.0065
Lm1trdL	0.3365534	0.248352	0.527385	0.132458	-0.42431	-0.01527	0.030201	0.085085	0.067165	-0.00164	0.580028
Lm2L	0.1230109	0.52734	-0.28095	0.079161	0.21997	0.435927	0.021303	0.416831	0.445743	0.101358	-0.00099
Lm2W	0.1638316	0.46103	-0.1419	-0.30314	-0.06732	0.2963	-0.36054	-0.49567	-0.41861	0.072909	0.004506

Figure S2 – 2D views of the 3D plot of the PCA on lower teeth described in the main text. Color code follows the legend of Figure 6

