

**Table S9.** Means of hypsodonty measurements with 95 % bootstrap confidence intervals. Asterisks indicate hypsodonty values measured in specimens in wear stage III of Lazzari et al. (2008).

Age (Ma)	Species	N	Mean	Bootstrap confidence interval		Combined age
				Lower	Upper	
Recent	<i>Goluda ellioti</i>	1	0.42*			
	<i>Millardia</i> sp.	1	0.45			
	<i>Mus booduga</i>	1	0.37*			
6.5	<i>Parapelomys robertsi</i>	4	0.46	0.42	0.47	
	<i>Karnimata huxleyi</i>	6	0.39	0.38	0.43	
	<i>Mus auctor</i>	5	0.36	0.35	0.38	
7.4	<i>Karnimata</i> sp.	8	0.39	0.38	0.42	
	<i>Progonomys</i> sp.	5	0.37	0.35	0.39	
	<i>Mus</i> sp.	5	0.36	0.35	0.37	
8.2	<i>Karnimata</i> sp. (+ large <i>Karnimata</i> sp.)	8	0.38	0.37	0.40	
	<i>Progonomys</i> sp.	7	0.38	0.37	0.39	
8.8	<i>Progonomys</i> sp.	5	0.39	0.38	0.40	
9.2	<i>Karnimata darwini</i>	22	0.39	0.38	0.40	
	<i>Progonomys debruijini</i>	8	0.39	0.37	0.40	
10.5	<i>Progonomys</i> sp.	9	0.38	0.37	0.39	
11.2	<i>Progonomys hussaini</i>	7	0.40	0.38	0.41	
11.4	<i>Progonomys hussaini</i>	7	0.37	0.36	0.39	11.3 Ma, 11.4 Ma
13.0	<i>Antemus chinjiensis</i>	5	0.38	0.36	0.40	12.8 Ma, 13.1 Ma, 13.2 Ma
13.6	<i>Antemus chinjiensis</i>	9	0.36	0.34	0.38	13.6 Ma, 13.7 Ma