Table S1. Comparative measurements of the third lower molars of *Hippopotamus* from Casal de'Pazzi.

species	specimen	Greatest Length	Anterior Breadth	Posterior Breadth	Hypoconulid Breadth	References	locality
CdP109	425337		38.09	38.5	30.60	CdP	Casal de Pazzi
CdP110	340312	73.19	44.28	42.78	32.49	CdP	Casal de Pazzi
H. amphibius	2am	65	39	35	20	Mazza, 1991	
H. amphibius	3am	74	49	45	17	Mazza, 1991	
H. amphibius	4am	58	36	37	15	Mazza, 1991	
H. amphibius	5am	68	41	36	19	Mazza, 1991	
H. amphibius	6am	70	38	36	22	Mazza, 1991	
H. amphibius	8am	60	39	37	24	Mazza, 1991	
H. amphibius	9am	64	35	35	21	Mazza, 1991	
H. amphibius	10am	77	42	40	25	Mazza, 1991	
H. amphibius	11am	71	37	40	28	Mazza, 1991	
H. amphibius	13am	64	40	40		Mazza, 1991	
H. amphibius	15am	68	39	39	19	Mazza, 1991	
H. amphibius	16am	83	44	45	33	Mazza, 1991	
H. amphibius	20am	70	39	37	22	Mazza, 1991	
H. amphibius	85am	73	47	42	17	Mazza, 1991	
H. amphibius	86am	78	41	43	20	Mazza, 1991	
H. amphibius	87am	70	41	36	17	Mazza, 1991	
H. amphibius		69	41	36	17	Mazza, 1991	
H. amphibius	128am	76	42		18	Mazza, 1991	
H. amphibius	139am	79			16	Mazza, 1991	
H. amphibius	140am	74	41	38	15	Mazza, 1991	
H. amphibius	141am	78	41	38	18	Mazza, 1991	
H. amphibius	143am	79	45	43	18	Mazza, 1991	
H. amphibius	MSNM MA492	60.15				MSNM	Circo Francia
H. amphibius	MSNM MA492	56.95				MSNM	Circo Francia
H. amphibius	MSNM MA79	73.87				MSNM	Somalia
H. amphibius	MSNM MA79	78.2				MSNM	Somalia
H. amphibius		86				Hooijer, 1950	
H. amphibius		70				Hooijer, 1950	
H. amphibius		78				Hooijer, 1950	
H. amphibius		65				Hooijer, 1950	
H. amphibius		77				Hooijer, 1950	
H. amphibius		80				Hooijer, 1950	
H. amphibius		81				Hooijer, 1950	
H. amphibius		64				Hooijer, 1950	
H. amphibius		77				Hooijer, 1950	
H. amphibius		65				Hooijer, 1950	
H. amphibius		64				Hooijer, 1950	
H. amphibius		66				Hooijer, 1950	
H. amphibius		75				Hooijer, 1950	
H. amphibius		72				Hooijer, 1950	
H. amphibius		69				Hooijer, 1950	
H. amphibius		67				Hooijer, 1950	
H. amphibius		75				Hooijer, 1950	
H. amphibius		70				Accordi, 1955	
H. amphibius	1135	35.63				MSNFS	Eritrea
H. amphibius	1135	57.37				MSNFS	Eritrea
H. amphibius	MI4	75.09	40.80	41.03	29.31	MCZR	
H. amphibius	C2462	67.39	35.77	32.58	25.96	MSNFS	
H. amphibius	C2462	69.12	34.88	32.33	26.87	MSNFS	
H. amphibius	M4835	78.66	42.52	41.46	32.65	MSNFS	Mozambico, Parco Gorongoza
H. amphibius	M3596	63.07	40.92	36.09	31.1	MSNFS	
H. amphibius	M3596	64.85	40.68	37.06	30.29	MSNFS	
H. amphibius	M4835	81.5	44.4	42.21	32.73	MSNFS	
H. amphibius	M1	67.8	38.4	37.4	33.9	MCZR	
H. amphibius	M1	69.8	37.4	38.6	35.7	MCZR	
H. antiquus	25175	73.61	44.72	37	29.2	Martino et al., 2022	Condeixa
H. antiquus	3677	74.52	45.4	38		Martino et al., 2022	Condeixa
H. antiquus	1an	84	46	43	26	Mazza, 1995	
H. antiquus	8an	93	40	41	34	Mazza, 1995	
H. antiquus	11an	80	47	43	19	Mazza, 1995	
H. antiquus	72an	85	47	46	29	Mazza, 1995	
H. antiquus	74an	83	45	43	25	Mazza, 1995	
H. antiquus	77an	89	45	43	28	Mazza, 1995	
H. antiquus	78an	86	48	47	32	Mazza, 1995	
H. antiquus	325an	81	44	42	25	Mazza, 1995	
H. antiquus	84an	84	41	42	29	Mazza, 1995	
H. antiquus	161an	83	46	48	29	Mazza, 1995	
H. antiquus	162an	81	44	46	25	Mazza, 1995	
H. antiquus	163an	86	44	44	24	Mazza, 1995	
H. antiquus	164an	84	45	43	27	Mazza, 1995	
H. antiquus	165an	93	48	47	27	Mazza, 1995	
H. antiquus	166an	85	49	47	23	Mazza, 1995	
H. antiquus	167an	92	46	46	32	Mazza, 1995	
H. antiquus	169an	84	46	45	24	Mazza, 1995	
H. antiquus	170an	85	46	45	28	Mazza, 1995	
H. antiquus	171an	85	45	43	28	Mazza, 1995	
H. antiquus	172an	75	40	39	22	Mazza, 1995	
H. antiquus	173an	81	48	44	23	Mazza, 1995	
H. antiquus	174an	81	47	43	20	Mazza, 1995	
H. antiquus	175an	82	45	43	22	Mazza, 1995	
H. antiquus	176an	89	47	44	28	Mazza, 1995	
H. antiquus	182an	86	44	45	28	Mazza, 1995	
H. antiquus	184an	72	40	38	22	Mazza, 1995	
H. antiquus	185an	82	49	47	28	Mazza, 1995	
H. antiquus	186an		46	46		Mazza, 1995	
H. antiquus	187an	74	46	40	19	Mazza, 1995	
H. antiquus	189an	83	41		25	Mazza, 1995	
H. antiquus	81an	84	42	42	18	Mazza, 1995	
H. antiquus	192an	74	40	39	20	Mazza, 1995	
H. antiquus	171an	71.4	45.1	40.5	20	Mazza, 1995	
H. antiquus	MGGC7566	73.17				MGGC	Valdarno
H. antiquus	MGGC7545	72.96				MGGC	Valdarno
H. antiquus	MGGC9416	84.09				MGGC	Valdarno
H. antiquus	MGGC9412	86.35				MGGC	Valdarno
H. antiquus	IGF689	85.05				IGF	Valdarno
H. antiquus	IGF689	83.09				IGF	Valdarno
H. antiquus		79				Mazza & Bertini, 2013	Colle Lepre
H. antiquus		78				Mazza & Bertini, 2013	Colle Curti
H. antiquus		93				Mazza & Bertini, 2013	Colle Curti
H. antiquus		72.8				MSNCC	Valdarno
H. antiquus		77.8				MSNCC	Valdarno
H. antiquus		77	47.8			Galobart et al., 2003	Incarcal (Spain)
H. antiquus		89.76	50.39	32.8		MSNAF	Chiusi
H. antiquus	IGF771	83.51	41.25	41.26	23.44	IGF	Renacci, Valdarno
H. gorgops	1425R	87.7	48.7	44.5		Harris, 1991	Koobi Fora
H. gorgops	1425L	90.2	48.1	44.2		Harris, 1991	Koobi Fora
H. gorgops	2405R	77.6	43.7	41.7		Harris, 1991	Koobi Fora
H. gorgops	2405L	73.3	45.6	41.6		Harris, 1991	Koobi Fora
H. gorgops	5513	80	41.5	42.1	44.4	Harris, 1991	Koobi Fora
H. gorgops	5527R	86.3	41.9			Harris, 1991	Koobi Fora
H. gorgops	5527L	86.3	46.2	46.1		Harris, 1991	Koobi Fora
H. gorgops	WT19982	82.6	47.9	44.6		Harris, 1991	Koobi Fora
H. gorgops	10go	85	49	48	29	Mazza, 1995	
H. gorgops	12go	75	39	41	24	Mazza, 1995	
H. gorgops	11go	77	39	41	27	Mazza, 1991	
H. gorgops	14go	80	46	44	32	Mazza, 1991	
H. gorgops	15go	77	41		20	Mazza, 1991	
H. gorgops	16go	78	42	40	23	Mazza, 1991	
H. tiberinus	c.ti	80	54	47	22	Mazza, 1991	
H. tiberinus	1ti	68	42	41	20	Mazza, 1995	
H. tiberinus	23ti	75.8	38.6	41	23.4	Mazza, 1995	
H. tiberinus	32ti	71.5	43.6	40.2	20.8	Mazza, 1995	
H. tiberinus	33ti	70.7		40.2	22.7	Mazza, 1995	
H. tiberinus	35ti	70.7	44.3	44.1	23.2	Mazza, 1995	

H. tiberinus	36ti	70.4	42.5	39.5	18.9	Mazza, 1995	
H. tiberinus	43ti	71.3	44.4	42.4	19.6	Mazza, 1995	
H. tiberinus	57t1	74.1	45.2	40.4	25.1	Mazza, 1995	
H. tiberinus	58ti	71.2	48.3	44		Mazza, 1991	

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