

This is an appendix to the paper by M. J. G. Gage (1998) Mammalian sperm morphometry. *Proc. R. Soc. Lond. B* **264**.

## DATA TABLE

Data on sperm morphometry, body weight, chromosome number, genome mass and oestrous duration across mammals. All sperm morphometry measures are in micrograms. Codes: tot l, total sperm length; head l, head length; head w, head width; mid l, mid-piece length; mid w, mid-piece diameter; flag w, flagellum diameter (to the extent of the outer dense fibres); mit vol, volume of mid-piece occupied by the mitochondrial sheath; source, reference sources (see list below); b wt, body weight in grams (weights were derived from: Nowak 1991; Macdonald 1995; Strahan 1991); chrom, chromosome number; gen m, genome mass in picograms per diploid nucleus (karyotypic information was derived from: Altmann & Dittmer 1972; Hsu & Benirschke 1967--1976; Manfredi Romanini 1985; Olmo 1983); oest, oestrous duration in hours (derived from: Asdell 1964; Hayssen *et al.* 1993; Hosken 1997).

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species	tot l	head l	head w	mid l	mid w	flag w	mit vol	flag l	source	b wt	chrom	gen m	oest
<b>MONOTREMATA</b>													
<b>Tachyglossidae</b>													
<i>Tachyglossus aculeatus</i>	122	50.4	-	6.0	-	-	-	64.8	1,2,3	3819	64	7.4	492
<b>Ornithorhynchidae</b>													
<i>Ornithorhynchus anatinus</i>	112	43.0	-	5.0	0.56	0.22	1.04	54.0	1,3	1326	54	7.88	-
<b>MARSUPIALIA</b>													
<b>Didelphidae</b>													
<i>Caluromys philander</i>	47.85	5.0	-	11.0	3.03	0.53	76.37	31.9	22	-	-	-	-
<i>Didelphis virginiana</i>	-	6.1	1.3	7.3	2.12	0.67	23.23	-	4	2196	22	-	66
<i>Monodelphis domestica</i>	211.9	7.7	-	7.3	-	-	-	197.3	5	85	-	-	142
<b>Dasyuridae</b>													
<i>Antechinus stuartii</i>	271.1	11.4	-	-	-	-	-	-	6	31	-	-	-
<i>Dasyercus cristicauda</i>	-	9.5	1.9	-	-	-	-	-	1	100	-	-	-
<i>Dasykulata rosamondae</i>	-	9.8	1.6	-	-	-	-	-	1	29	-	-	-
<i>Dasyuroides byrnei</i>	254.7	12.7	2.5	40.7	3.10	-	-	201.4	1	11	-	-	-
<i>Dasyurus viverrinus</i>	-	11.0	1.9	-	1.95	1.47	-	-	1,7	1049	-	-	-
<i>Sarcophilus harrisi</i>	218.4	11.1	2.2	34.4	2.60	-	-	173.3	1	7001	14	7.4	-
<i>Sminthopsis crassicaudata</i>	264.9	12.8	-	-	1.15	-	-	-	5,37	15	14	7.52	-
<b>Myrmecobiidae</b>													
<i>Myrmecobius fasciatus</i>	138.4	10.9	-	20.4	-	-	-	106.8	5	455	-	-	-
<b>Peramelidae</b>													
<i>Isoodon macrourus</i>	171.1	6.0	-	10.7	2.03	0.98	26.36	155.0	5,7	1276	14	9.7	-
<i>Isoodon obesulus</i>	167	5.0	-	-	-	-	-	-	5	1057	14	9.63	-
<i>Macrotis lagotis</i>	149.4	13.2	-	16.2	-	-	-	120.5	8	1599	18	8.9	-
<i>Perameles nasuta</i>	199.7	5.7	3.0	14.0	2.00	-	-	180.1	1	975	14	9.36	-
<b>Petauridae</b>													
<i>Petaurus breviceps</i>	107.1	5.7	2.2	8.3	1.40	-	-	93.0	1	13	-	-	-
<i>Petaurus norfolcensis</i>	-	4.1	2.3	-	1.47	0.37	-	-	1,7	23	-	-	-
<i>Pseudocheirus cupreus</i>	90.1	5.4	2.6	6.2	1.50	-	-	78.5	1	-	-	-	-
<i>Pseudocheirus peregrinus</i>	112.7	5.9	3.8	6.9	2.90	0.30	45.09	100.0	1,7	900	-	-	-
<b>Vombatidae</b>													
<i>Lasiorhinus latrifons</i>	79.5	7.5	-	22.0	-	-	-	50.0	1	25488	14	8.76	-
<i>Vombatus ursinus</i>	93.6	5.7	-	18.0	-	-	-	69.8	1,5	26003	-	8.61	-
<b>Phascolarctidae</b>													
<i>Phascolarctos cinereus</i>	83	11.8	-	9.6	0.86	0.34	4.78	61.8	1,5,7	6587	16	7.96	-
<b>Macropodidae</b>													
<i>Aepyprymnus rufescens</i>	99	5.3	-	11.7	-	-	-	82.0	5	3251	-	-	-
<i>Dendrolagus matschiei</i>	105.2	8.0	-	15.7	-	-	-	81.5	5	7427	-	-	-
<i>Macropus agilis</i>	113.2	7.3	2.5	9.3	1.34	-	-	97.0	1	15002	-	-	-
<i>Macropus eugenii</i>	106	7.0	-	11.0	-	-	-	88.1	1,5	6502	-	-	12
<i>Macropus giganteus</i>	118.9	7.3	2.2	10.7	1.50	-	-	100.9	1	22628	16	8.79	-
<i>Macropus parma</i>	-	5.3	1.4	-	-	-	-	-	1	3501	-	-	-
<i>Macropus parryi</i>	119.5	9.3	4.9	10.1	1.43	-	-	100.2	1	13506	-	-	-
<i>Macropus robustus</i>	-	4.5	1.5	-	-	-	-	-	1	21268	16	9.3	-
<i>Macropus rufus</i>	124	5.1	3.4	7.9	1.40	-	-	116.0	1	46257	-	-	-
<i>Petrogale xanthopus</i>	101.2	7.7	-	12.3	-	-	-	81.3	5	6502	-	-	-
<i>Potorous tridactylus</i>	165.8	9.8	-	18.9	1.76	0.59	40.80	137.4	5,7	954	12	8.52	-
<i>Thylogale stigmatica</i>	110.3	7.2	2.2	10.9	1.50	-	-	92.2	1	4651	-	-	-
<i>Wallabia bicolor</i>	109.5	7.8	3.1	8.9	1.45	-	-	92.2	1	15002	-	-	-
<b>Phalangeridae</b>													
<i>Trichosurus vulpecula</i>	94	12.8	6.7	22.6	1.35	0.49	28.15	78.0	1,5,7	2877	-	-	-
<b>Tarsipidae</b>													
<i>Tarsipes rostratus</i>	349.4	12.3	-	88.5	1.54	1.03	91.87	248.6	1,5,6,9	9	-	-	-
<b>EDENTATA</b>													
<b>Bradyrodidae</b>													
<i>Bradyrodus cuculliger</i>	31	-	-	-	-	-	-	-	1	3633	-	-	-
<b>Dasyrodidae</b>													
<i>Cabassous unicinctus</i>	98	18.0	-	20.0	-	-	-	60.0	6	4802	-	-	-
<i>Chaetophractus villosus</i>	71	12.1	10.1	13.0	1.03	0.59	7.28	46.0	10	4540	-	-	-
<i>Dasymys incomtus</i>	-	9.0	2.0	-	-	-	-	-	-	92	-	-	-
<i>Dasymys hybridus</i>	63.1	6.6	3.8	16.0	-	-	-	40.9	10	1499	-	-	-
<i>Dasymys novemcinctus</i>	68	9.0	-	14.5	-	-	-	45.0	1	5715	64	-	-
<i>Priodontes maximus</i>	79.9	13.2	11.6	-	-	-	-	-	10	40014	-	-	-
<b>PHOLIDOTA</b>													
<b>Manidae</b>													
<i>Manis tricuspis</i>	71.6	8.1	2.5	14.0	-	-	-	49.5	6	-	-	-	-

species	tot l	head l	head w	mid l	mid w	flag w	mit vol	flag l	source	b wt	chrom	gen m	oest
<b>LAGOMORPHA</b>													
<b>Leporidae</b>													
<i>Bunolagus monticularis</i>	-	6.6	3.6	-	-	-	-	-	1	1250	-	-	-
<i>Lepus capensis</i>	-	7.0	4.6	-	-	-	-	-	1,16	2300	-	-	-
<i>Lepus saxatilis</i>	-	6.7	3.7	-	-	-	-	-	1	-	-	-	-
<i>Oryctolagus cuniculus</i>	56.5	8.5	-	8.4	0.78	0.44	2.71	39.4	1,6,11,34	1535	44	7.34	-
<i>Pronolagus randensis</i>	-	6.6	3.7	-	-	-	-	-	1	2200	-	-	-
<i>Pronolagus rupestris</i>	-	6.8	3.7	-	-	-	-	-	1	2200	-	-	-
<b>RODENTIA</b>													
<b>Aplodontidae</b>													
<i>Aplodontia rufa</i>	100	-	-	-	-	-	-	-	1	1100	-	-	-
<b>Pedetidae</b>													
<i>Pedetes capensis</i>	-	6.7	4.9	-	-	-	-	-	16	3010	-	-	-
<b>Muridae</b>													
<i>Acomys cahirinus</i>	124	7.7	2.6	34.5	-	-	-	100.0	12,13	36	38	5.47	-
<i>Aethomys chrysophilusa</i>	130.5	11.0	5.0	26.0	1.28	0.47	28.94	93.5	13,16	79	-	-	-
<i>Aethomys chrysophilusb</i>	75.5	5.0	5.0	16.0	-	-	-	54.5	13,16	79	-	-	-
<i>Aethomys hindei</i>	-	11.0	3.0	-	-	-	-	-	13	107	-	-	-
<i>Aethomys kaiseri</i>	132	8.0	3.5	27.0	-	-	-	97.0	13	20	-	-	-
<i>Aethomys namaquensis</i>	102.5	10.0	3.0	20.0	-	-	-	72.5	6	48	-	-	-
<i>Aethomys nyikae</i>	105	10.0	2.5	30.0	-	-	-	65.0	13	-	-	-	-
<i>Akodon azarae</i>	94.5	-	-	-	-	-	-	-	6	25	38	5.06	-
<i>Akodon dolores</i>	81.6	-	-	-	-	-	-	-	6	-	38	5.7	-
<i>Akodon molinae</i>	76.5	-	-	-	-	-	-	-	6	33	44	6.08	-
<i>Anisomys imitator</i>	159	15.0	5.5	37.0	-	-	-	107.0	19	510	-	-	-
<i>Apodemus agrarius</i>	109.8	8.0	-	24.8	0.65	0.16	7.73	77.0	20	22	48	6.49	-
<i>Apodemus flavicollis</i>	125.3	8.8	-	23.0	1.00	0.29	16.54	93.0	1	23	48	6.72	-
<i>Apodemus peninsulae</i>	102.8	7.9	-	24.9	-	-	-	69.9	20	33	-	-	-
<i>Apodemus sylvaticus</i>	133.8	9.8	-	24.0	-	-	-	100.0	1	18	48	7.11	-
<i>Arvicanthis abyssinicus</i>	-	9.9	3.5	-	-	-	-	-	12	10	-	-	-
<i>Arvicanthis dembeensis</i>	-	10.0	3.5	-	-	-	-	-	12	-	-	-	-
<i>Arvicanthis somalicus</i>	-	6.4	3.8	-	-	-	-	-	12	-	-	-	-
<i>Bandicota bengalensis</i>	149.5	11.5	-	43.0	-	-	-	95.0	6,54	200	-	-	44
<i>Berylmys bowersii</i>	196.9	12.0	-	-	-	-	-	185.1	1,6,54	391	-	-	-
<i>Bolomys obscurus</i>	74.6	-	-	-	-	-	-	-	6	-	-	-	-
<i>Bunomys andrewsi</i>	163	8.0	2.5	-	-	-	-	155.0	21	125	-	-	-
<i>Bunomys chrysocomus</i>	170.6	10.5	2.0	-	-	-	-	159.9	21	116	-	-	-
<i>Bunomys penitus</i>	145.1	10.0	2.5	-	-	-	-	-	21	170	-	-	-
<i>Calomys callidus</i>	71.3	6.2	-	20.0	-	-	-	48.2	6	45	36	5.84	36
<i>Calomys laucha</i>	50.1	6.0	-	10.6	-	-	-	33.5	6	20	60	6.05	-
<i>Calomys musculus</i>	69	6.0	-	14.5	-	-	-	48.6	6	20	-	-	-
<i>Chiropodomys gliroides</i>	112	10.0	-	22.0	-	-	-	80.0	1,6,54	25	-	-	-
<i>Chiruromys vates</i>	163	11.0	2.5	50.0	-	-	-	102.0	19	46	-	-	-
<i>Chrotomys mindorensis</i>	143.5	8.5	2.4	-	-	-	-	-	21	-	-	-	-
<i>Clethrionomys glareolus</i>	86.7	2.1	-	3.0	-	-	-	59.0	1	27	56	5.86	-
<i>Coccymys ruemmleri</i>	-	10.5	2.0	-	-	-	-	-	19	-	-	-	-
<i>Conilurus penicillatus</i>	124	7.0	-	21.0	-	-	-	96.0	1	150	-	-	-
<i>Cricetulus griseus</i>	258.3	12.7	-	103.1	1.17	0.79	59.30	142.6	1,6,41	-	22	7.5	36
<i>Crunomys celebensis</i>	60	8.0	4.0	-	-	-	-	-	21	55	-	-	-
<i>Echiothrix leucura</i>	195	15.0	2.0	-	-	-	-	-	21	-	-	-	-
<i>Eropeplus canus</i>	86	6.0	5.0	-	-	-	-	-	21	-	-	-	-
<i>Grammomys gazellae</i>	127	10.0	4.0	22.0	-	-	-	95.0	13	-	-	-	-
<i>Habdomys pumilio</i>	114	9.0	2.5	20.0	-	-	-	85.0	13	42	-	-	110
<i>Haeromys minahassae</i>	124.5	9.5	4.0	-	-	-	-	-	21	15	-	-	-
<i>Hapalomys longicaudatus</i>	108.9	12.0	-	37.0	-	-	-	72.0	1,6,54	104	-	-	-
<i>Hydromys chrysogaster</i>	115	7.0	-	20.0	-	-	-	88.0	1	680	-	-	-
<i>Hyomys goliath</i>	137.5	9.5	4.0	28.0	-	-	-	100.0	19	816	-	-	-
<i>Leggadina forresti</i>	128	7.0	-	26.0	-	-	-	95.0	1	20	-	-	-
<i>Lemniscomys barbarus</i>	100	8.0	4.0	22.0	-	-	-	70.0	13	48	-	-	-
<i>Lemniscomys macculus</i>	-	9.2	4.3	-	-	-	-	-	12	-	-	-	-
<i>Lemniscomys striatus</i>	100	8.0	2.0	22.0	-	-	-	70.0	13	39	-	-	-
<i>Lenomys meyeri</i>	66.3	6.3	3.5	-	-	-	-	-	21	-	-	-	-
<i>Lenothrix canus</i>	149.1	9.0	-	45.0	-	-	-	95.0	6,54	131	-	-	-
<i>Leopoldamys edwardsi</i>	171.9	12.5	-	-	-	-	-	-	6	-	-	-	-
<i>Leopoldamys sabanus</i>	170.1	11.5	-	67.0	-	-	-	103.0	1,6	-	-	-	-
<i>Leporillus conditor</i>	110.1	9.0	-	23.0	-	-	-	78.0	1	350	-	-	-
<i>Leptomys elegans</i>	138.5	10.5	3.0	28.0	-	-	-	100.0	19	90	-	-	-
<i>Lophuromys flavopuntatus</i>	67	6.0	6.0	14.0	-	-	-	47.0	13	64	-	-	-



species	tot l	head l	head w	mid l	mid w	flag w	mit vol	flag l	source	b wt	chrom	gen m	oest
<i>Lophuromys sikapusi</i>	61	8.0	7.0	11.0	-	-	-	42.0	13	51	-	-	-
<i>Lophuromys woosnami</i>	66	7.0	3.5	17.0	-	-	-	42.0	13	-	-	-	-
<i>Lorentzimys nouhuysi</i>	137.9	10.0	2.0	20.0	-	-	-	108.0	19	14	-	-	-
<i>Mallomys rothschildi</i>	158	11.0	2.0	32.0	-	-	-	115.1	19	1160	-	-	-
<i>Margaretamys beccarii</i>	174.9	15.0	2.5	-	-	-	-	-	19	70	-	-	-
<i>Margaretamys elegans</i>	183	15.0	3.0	-	-	-	-	-	21	121	-	-	-
<i>Margaretamys parvus</i>	189	14.0	3.0	-	-	-	-	-	21	33	-	-	-
<i>Mastomys coucha</i>	157.1	10.4	2.2	42.0	-	-	-	105.0	1,12,13	54	-	-	-
<i>Mastomys erythroleucus</i>	-	7.3	3.2	-	-	-	-	-	12	45	38	-	-
<i>Mastomys huberti</i>	-	12.6	2.9	-	-	-	-	-	12	66	-	-	-
<i>Mastomys natalensis</i>	147.4	16.0	2.0	48.0	0.68	0.40	11.26	89.0	1,6,13	46	-	-	-
<i>Mayermys ellermani</i>	123	9.0	3.0	22.0	-	-	-	92.0	19	-	-	-	-
<i>Maxomys hellwaldii</i>	-	-	2.0	-	-	-	-	-	21	203	-	-	-
<i>Maxomys inas</i>	152.5	13.5	-	32.0	-	-	-	107.0	1,6,54	90	-	-	-
<i>Maxomys musschenbroekii</i>	142	12.0	4.0	-	-	-	-	-	21	84	-	-	-
<i>Maxomys surifer</i>	115.5	10.5	-	35.0	-	-	-	70.0	1,6,54	174	-	-	-
<i>Maxomys whiteheadi</i>	137	12.0	-	25.0	-	-	-	100.0	1,6,54	52	-	-	-
<i>Melasmothrix naso</i>	114	9.0	3.0	-	-	-	-	-	21	47	-	-	-
<i>Melomys lanosus</i>	148	12.0	2.5	24.0	-	-	-	112.0	19	118	-	-	-
<i>Melomys leucogaster</i>	112	8.0	3.0	24.0	-	-	-	80.0	19	109	-	-	-
<i>Melomys littoralis</i>	110	8.0	-	22.0	-	-	-	80.0	19	-	-	-	-
<i>Melomys lutillus</i>	118	9.0	2.5	22.0	-	-	-	87.0	19	53	-	-	-
<i>Melomys platyops</i>	118.9	9.0	3.0	32.0	-	-	-	78.0	19	77	-	-	-
<i>Melomys rattoides</i>	139.1	12.0	2.5	22.0	-	-	-	105.0	19	209	-	-	-
<i>Melomys rubex</i>	117	9.0	3.0	22.0	-	-	-	86.0	19	48	-	-	-
<i>Melomys rufescens</i>	120.5	8.5	3.0	22.0	-	-	-	90.0	19	58	-	-	-
<i>Mesocricetus auratus</i>	186.7	15.2	-	50.5	0.98	0.42	30.82	126.4	1,6,45	105	44	7.66	-
<i>Micromys minutus</i>	63.7	5.7	-	13.0	-	-	-	45.0	1	8	-	-	-
<i>Microtus agrestis</i>	103.5	6.9	-	27.4	-	-	-	70.0	1	36	50	7.04	-
<i>Microtus ochrogaster</i>	94.4	7.9	-	21.8	-	-	-	64.7	1	-	-	5.71	-
<i>Microtus townsendii</i>	-	-	-	-	0.63	0.23	-	-	44	19	-	-	108
<i>Mus mahomet</i>	-	8.3	4.2	-	-	-	-	-	-	10	-	-	-
<i>Mus musculus</i>	123.6	8.1	-	19.7	1.08	0.45	15.01	95.8	1,6,46	151	40	6.8	-
<i>Myomys albigipes</i>	-	10.2	2.7	-	-	-	-	-	12	49	-	-	-
<i>Myomys fumatus</i>	-	8.0	3.1	-	-	-	-	-	12	18	-	-	-
<i>Neofiber alleni</i>	74.9	4.9	3.0	21.0	0.80	-	-	48.9	1	27	-	-	-
<i>Neohydromys fuscus</i>	-	9.0	3.0	-	-	-	-	-	19	19	-	-	-
<i>Neotoma floridana</i>	138.8	8.1	1.5	0.9	-	-	-	-	1	-	52	6.25	-
<i>Niviventer bukit</i>	151.5	11.5	-	44.0	-	-	-	96.0	1,6,54	76	-	-	-
<i>Niviventer cremoriventer</i>	118.9	9.0	-	35.0	-	-	-	75.0	1,6,54	75	-	-	-
<i>Niviventer rapit</i>	142	12.0	-	45.0	-	-	-	85.0	1,6,54	87	-	-	-
<i>Notomys alexis</i>	102.5	6.5	-	25.0	-	-	-	70.0	1	35	-	-	-
<i>Notomys cervinus</i>	115	9.0	-	26.0	-	-	-	80.0	1	35	-	-	-
<i>Notomys fuscus</i>	106	7.0	-	22.0	-	-	-	77.0	1	35	-	-	-
<i>Notomys mitchelli</i>	98	9.0	-	24.0	-	-	-	65.0	1	52	-	-	-
<i>Ondatra zibethicus</i>	67.7	-	-	-	-	-	-	-	1	1038	54	-	24
<i>Oryzomys palustris</i>	79.6	5.5	2.1	-	0.90	-	-	-	1	-	-	-	-
<i>Ototylomys phyllotis</i>	137.4	5.5	2.4	94.6	-	-	-	-	1	-	-	-	-
<i>Parahydromys asper</i>	120	8.0	2.5	22.0	-	-	-	90.0	19	270	-	-	-
<i>Paraleptomys rufilatus</i>	-	9.0	3.0	-	-	-	-	-	19	-	-	-	-
<i>Paruromys dominator</i>	141	11.0	6.5	-	-	-	-	-	21	-	-	-	-
<i>Pelomys harringtoni</i>	-	8.7	3.2	-	-	-	-	-	12	-	-	-	-
<i>Peromyscus banderanus</i>	79.6	5.6	2.7	17.9	-	-	-	55.8	1	-	-	-	-
<i>Peromyscus boylei</i>	77.6	5.5	2.4	17.0	-	-	-	55.1	1	-	-	-	-
<i>Peromyscus californicus</i>	72	5.3	-	15.2	-	-	-	51.5	1	44	-	-	-
<i>Peromyscus crinitus</i>	78.8	5.2	2.8	19.0	-	-	-	54.6	1	-	48	8.3	-
<i>Peromyscus difficilis</i>	78.8	5.4	2.6	17.0	-	-	-	56.4	1	-	-	-	-
<i>Peromyscus eremicus</i>	76	5.9	-	16.6	-	-	-	53.5	1	24	48	11.19	-
<i>Peromyscus flavidus</i>	83.8	5.9	3.0	16.8	-	-	-	61.2	1	-	-	-	-
<i>Peromyscus floridanus</i>	77.3	5.3	2.7	16.0	-	-	-	54.2	1	-	48	5.86	-
<i>Peromyscus furvus</i>	77.3	5.3	2.5	17.2	-	-	-	54.7	1	-	-	-	-
<i>Peromyscus gossypinus</i>	86.1	5.4	-	17.3	-	-	-	63.4	1	28	-	-	-
<i>Peromyscus grandis</i>	79.6	5.3	2.5	17.7	-	-	-	57.0	1	-	-	-	-
<i>Peromyscus guatemalensis</i>	82.2	5.5	2.6	18.2	-	-	-	58.5	1	-	-	-	-
<i>Peromyscus lepturus</i>	77.3	6.0	4.1	19.3	-	-	-	52.0	1	-	-	-	-
<i>Peromyscus leucopus</i>	77.3	4.4	2.2	0.9	17.36	-	-	72.0	1	-	-	-	-
<i>Peromyscus lophurus</i>	76.5	6.2	4.9	19.7	-	-	-	50.9	1	-	-	-	-
<i>Peromyscus maniculatus</i>	75	5.2	-	16.7	-	-	-	53.1	1	20	48	8.47	-
<i>Peromyscus megalops</i>	73.4	5.1	2.6	19.5	-	-	-	69.1	1	-	-	-	-
<i>Peromyscus melanotis</i>	73.4	5.3	3.1	16.6	-	-	-	51.5	1	-	-	-	-

species	tot l	head l	head w	mid l	mid w	flag w	mit vol	flag l	source	b wt	chrom	gen m	oest
<i>Peromyscus mexicanus</i>	72	5.5	2.6	17.4	-	-	-	49.4	1	-	-	-	-
<i>Peromyscus nudipes</i>	78.8	5.5	2.6	17.2	-	-	-	57.0	1	-	-	-	-
<i>Peromyscus nuttalli</i>	67.7	4.2	3.0	-	2.00	-	-	-	1	-	-	-	-
<i>Peromyscus pirrensis</i>	84.6	5.8	2.9	16.8	-	-	-	62.4	1	-	-	-	-
<i>Peromyscus polionotus</i>	76.5	5.4	3.1	15.3	1.41	-	-	54.2	1	15	-	-	-
<i>Peromyscus thomasi</i>	89.9	5.7	3.1	21.4	-	-	-	63.1	1	-	-	-	-
<i>Peromyscus truei</i>	78	5.4	2.6	16.1	-	-	-	57.0	1	-	-	-	-
<i>Peromyscus zarhynchus</i>	75.7	5.2	2.5	11.7	-	-	-	52.5	1	-	-	-	-
<i>Phodopus sungorus</i>	118.9	8.2	3.3	36.0	0.86	0.41	16.16	80.0	23	36	-	-	10
<i>Pithecheir parvus</i>	91.5	7.5	-	22.0	-	-	-	62.0	6,54	103	-	-	-
<i>Pogonomys championi</i>	112.5	6.5	2.0	26.0	-	-	-	80.0	19	-	-	-	-
<i>Pogonomys loriae</i>	118	8.0	3.0	30.0	-	-	-	80.0	19	95	-	-	-
<i>Pogonomys macrourus</i>	-	5.5	2.0	-	-	-	-	-	19	45	-	-	-
<i>Pseudohydromys murinus</i>	-	8.5	3.0	-	-	-	-	-	19	17	-	-	-
<i>Pseudomys apodemoides</i>	120	8.0	-	22.0	-	-	-	90.0	1	20	-	-	-
<i>Pseudomys australis</i>	122.5	9.0	-	23.0	-	-	-	90.5	1	65	-	-	-
<i>Pseudomys delicatulus</i>	88	4.0	-	19.0	0.97	0.35	12.26	65.0	1,49	10	-	-	-
<i>Pseudomys fumeus</i>	128	8.0	-	20.0	-	-	-	100.0	1	70	-	-	-
<i>Pseudomys gracilicaudatus</i>	129.1	10.0	-	21.0	-	-	-	98.0	1	75	-	-	-
<i>Pseudomys hermannsburgensis</i>	117	9.0	-	23.0	-	-	-	85.0	1	12	-	-	-
<i>Pseudomys higginsii</i>	106.4	8.0	-	21.0	-	-	-	77.5	1	67	-	-	-
<i>Pseudomys nanus</i>	127	9.0	-	22.0	-	-	-	96.0	1	34	-	-	-
<i>Pseudomys novaehollandiae</i>	106	6.0	-	22.0	1.00	0.30	15.72	78.0	1,49	19	-	-	-
<i>Pseudomys shortridgei</i>	96	5.0	2.2	22.0	0.64	0.18	6.59	69.0	1,49	70	-	-	-
<i>Rattus argentiventer</i>	183	11.0	-	-	-	-	-	-	6,54	202	-	-	-
<i>Rattus colletti</i>	158	12.0	-	51.0	-	-	-	95.0	1	61	-	-	-
<i>Rattus everetti</i>	171.4	11.5	2.0	-	-	-	-	-	2	254	-	-	-
<i>Rattus exulans</i>	176	12.0	-	-	-	-	-	-	1,6,54	53	-	-	-
<i>Rattus fuscipes</i>	162	12.0	-	48.0	-	-	-	102.0	1	125	-	-	-
<i>Rattus hoffmanni</i>	181.9	12.0	2.0	-	-	-	-	-	21	147	-	-	-
<i>Rattus leucopus</i>	-	12.0	2.0	-	-	-	-	-	1,19	212	-	-	-
<i>Rattus lutreolus</i>	163	14.0	-	54.0	-	-	-	95.0	1	122	-	-	-
<i>Rattus marmosurus</i>	167	12.0	2.0	-	-	-	-	-	19	216	-	-	-
<i>Rattus niobe</i>	-	12.0	2.0	-	-	-	-	-	19	44	-	-	-
<i>Rattus norvegicus</i>	190.1	12.1	-	67.0	0.88	0.56	23.99	110.1	1,36	289	42	6.54	-
<i>Rattus rattus</i>	168.5	11.0	2.1	65.0	-	-	-	90.0	1,6,54	132	42	6.54	-
<i>Rattus sordidus</i>	154.6	12.0	-	49.5	-	-	-	95.0	1	158	-	-	-
<i>Rattus steini</i>	-	12.0	2.0	-	-	-	-	-	19	15	-	-	-
<i>Rattus tiomanicus</i>	170.1	10.0	-	-	-	-	-	-	1,6,54	128	-	-	-
<i>Rattus verecundus</i>	-	11.0	2.0	-	-	-	-	-	19	60	-	-	-
<i>Rhabdomys pumilio</i>	117	10.0	-	22.0	-	-	-	85.0	1	-	-	-	-
<i>Saccostomus campestris</i>	131	6.6	-	22.0	-	-	-	102.0	1,6	49	-	-	-
<i>Sigmodon hispidus</i>	87.2	6.5	3.2	17.9	0.90	-	-	61.8	1	-	-	-	-
<i>Solomys salebrosus</i>	87	5.0	5.5	20.0	-	-	-	62.0	19	-	-	-	-
<i>Stenocephalemys</i> spp.	-	10.0	2.0	-	-	-	-	-	13	-	-	-	-
<i>Stochomys longicaudatus</i>	67.5	4.5	2.0	8.0	-	-	-	55.0	13	84	-	-	-
<i>Sundamys muelleri</i>	162	12.0	-	-	-	-	-	-	1,6,54	317	-	-	-
<i>Synaptomys cooperi</i>	99.7	7.7	4.0	-	0.70	-	-	-	1	-	-	-	-
<i>Taeromys arcuatus</i>	176	11.0	3.0	-	-	-	-	-	21	228	-	-	-
<i>Taeromys callitrichus</i>	118.9	9.0	4.0	-	-	-	-	-	21	271	-	-	-
<i>Taeromys celebensis</i>	67	7.0	3.0	-	-	-	-	-	21	323	-	-	-
<i>Taeromys hamatus</i>	107	7.0	4.0	-	-	-	-	-	21	196	-	-	-
<i>Tateomys macrocerus</i>	135.5	10.5	2.0	-	-	-	-	-	21	43	-	-	-
<i>Tateomys rhinogradoides</i>	129.5	9.5	2.0	-	-	-	-	-	21	83	-	-	-
<i>Tatera leucogaster</i>	145.1	5.0	-	30.0	-	-	-	110.1	1	-	-	-	-
<i>Tylomys gymmurus</i>	87.2	4.9	1.6	37.5	-	-	-	-	1	-	-	-	-
<i>Tylomys panamensis</i>	87.2	5.5	1.6	33.8	-	-	-	-	1	-	-	-	-
<i>Uranomys ruddi</i>	122	8.5	3.9	23.0	-	-	-	90.0	13	34	-	-	-
<i>Uromys anak</i>	110.9	8.0	3.0	21.0	-	-	-	72.0	19	665	-	-	-
<i>Uromys caudimaculatus</i>	98	8.0	3.0	20.0	-	-	-	70.0	1,19	557	-	-	-
<i>Uromys rex</i>	-	8.0	3.0	-	-	-	-	-	19	-	-	-	-
<i>Xenuromys barbatus</i>	164	12.0	3.0	27.0	-	-	-	125.0	19	499	-	-	-
<i>Zyzomys argurus</i>	137	7.0	-	22.0	-	-	-	108.0	1	43	-	-	-
<b>Hystricidae</b>													
<i>Hystrix africae australis</i>	28.3	3.0	-	3.3	-	-	-	18.7	6	14823	-	-	-
<b>Caviidae</b>													
<i>Cavia porcellus</i>	114.1	10.9	-	11.1	0.85	0.62	2.95	92.1	1,6,41	728	64	7.19	24
<i>Galea musteloides</i>	44.2	5.4	5.7	5.9	-	-	-	32.8	1	449	-	-	-
<b>Dasyproctidae</b>													
<i>Myoprocta pratti</i>	40.2	3.1	5.2	5.6	-	-	-	31.5	1	600	-	-	-

species	tot l	head l	head w	mid l	mid w	flag w	mit vol	flag l	source	b wt	chrom	gen m	oest
<b>Chinchillidae</b>													
<i>Chinchilla laniger</i>	46.8	3.8	-	4.7	-	-	-	38.3	1,6	484	64	6.41	54
<i>Lagidium boxi</i>	41.1	3.5	5.1	5.2	-	-	-	-	1	-	-	-	-
<b>Capromyidae</b>													
<i>Myocastor coypus</i>	41.6	6.0	4.3	-	-	-	-	-	1,18	7502	-	-	-
<b>Octodontidae</b>													
<i>Octodon degus</i>	48.7	5.1	-	5.9	0.59	-	-	36.7	1,6,47	210	58	-	-
<i>Octodontomys glirrioides</i>	45.2	5.3	6.5	5.3	-	-	-	34.6	1	-	-	-	-
<b>Sciuridae</b>													
<i>Sciurus niger</i>	122.2	12.1	11.6	-	1.90	-	-	-	1	-	-	-	-
<i>Tamiasciurus hudsonicus</i>	131	14.0	12.2	-	2.10	-	-	-	1	-	-	-	-
<b>Zapodontidae</b>													
<i>Zapus hudsonius</i>	76.1	5.1	2.9	-	0.80	-	-	-	1	-	-	-	-
<b>Ctenomyidae</b>													
<i>Ctenomys argentinus</i>	52.1	6.5	3.4	6.0	-	-	-	39.6	6,14	-	-	-	-
<i>Ctenomys australis</i>	96.8	12.7	5.5	9.0	-	-	-	74.9	6,14	362	-	-	-
<i>Ctenomys conoveri</i>	52.4	6.3	3.3	6.1	-	-	-	40.1	6,14	430	-	-	-
<i>Ctenomys dorbigny</i>	52.6	6.5	3.3	6.0	-	-	-	40.1	6,14	-	-	-	-
<i>Ctenomys fulvus</i>	-	7.3	3.6	6.7	-	-	-	-	1	262	26	-	-
<i>Ctenomys magellanicus</i>	-	9.1	5.2	8.1	-	-	-	-	1	272	26	-	-
<i>Ctenomys maulinus</i>	86	10.4	5.6	8.4	-	-	-	67.0	1,17	215	36	-	-
<i>Ctenomys mendocinus</i>	86.1	12.5	4.5	9.1	-	-	-	67.4	6,14	178	-	-	-
<i>Ctenomys opimus</i>	-	7.7	3.9	6.1	-	-	-	-	1	399	26	-	-
<i>Ctenomys perrensis</i>	51.4	6.6	3.4	6.1	-	-	-	38.7	6,14	-	-	-	-
<i>Ctenomys porteousi</i>	83.7	12.2	5.5	9.1	-	-	-	65.4	6,14	-	-	-	-
<i>Ctenomys rionegrensis</i>	86.5	13.5	4.5	8.7	-	-	-	67.1	6,14	-	-	-	-
<i>Ctenomys robustus</i>	-	7.1	3.8	6.1	-	-	-	-	1	-	-	-	-
<i>Ctenomys talarum</i>	49.3	4.3	6.8	6.2	-	-	-	38.9	1	-	-	-	-
<i>Ctenomys yolandae</i>	85.5	10.5	4.6	8.5	-	-	-	66.3	6,14	-	-	-	-
<b>Echimyidae</b>													
<i>Proechimys guairae</i>	37.4	3.2	-	4.2	-	-	-	30.0	1	399	-	-	-
<b>Gliridae</b>													
<i>Glis glis</i>	87	-	-	-	-	-	-	-	1	125	-	-	-
<b>Dipodidae</b>													
<i>Jaculus orientalis</i>	52	-	-	-	-	-	-	-	1	12	-	-	-
<b>Geomyidae</b>													
<i>Geomys pinetus</i>	110.5	4.5	2.2	1.1	-	-	-	-	1	-	-	-	-
<b>Heteromyidae</b>													
<i>Liomys adspersus</i>	-	3.2	2.8	-	-	-	-	-	1	-	-	-	-
<i>Liomys irroratus</i>	-	5.4	2.0	-	-	-	-	-	1	-	-	-	-
<i>Liomys pictus</i>	-	5.2	1.8	-	-	-	-	-	1	-	-	-	-
<i>Liomys salvini</i>	-	3.2	3.0	-	-	-	-	-	1	-	-	-	-
<i>Liomys spectabilis</i>	-	5.6	2.1	-	-	-	-	-	1	-	-	-	-
<b>MACROSCELIDEA</b>													
<b>Macroscelididae</b>													
<i>Elephantulus brachyrhynchus</i>	66.7	6.9	3.4	10.8	1.10	0.73	5.72	48.9	6,38	45	-	-	-
<i>Elephantulus edwardii</i>	99.5	8.9	4.6	33.1	1.80	1.35	36.80	57.5	6,38	49	-	-	-
<i>Elephantulus intufi</i>	56.2	7.2	4.0	8.3	0.90	-	-	40.7	6,38	49	-	-	-
<i>Elephantulus myurus</i>	76.6	7.5	3.6	14.4	1.10	0.73	7.65	54.7	6,38	54	-	-	-
<i>Macroscelides proboscideus</i>	79	6.5	5.0	7.9	1.20	-	-	64.4	6,38	38	-	-	-
<i>Petrodromus tetradactylus</i>	79.9	6.3	3.9	5.7	0.90	0.40	2.91	67.7	6,38	188	-	-	-
<i>Rhynchocyon chrysopygus</i>	48.2	6.9	4.7	7.5	0.80	0.31	3.20	33.8	25	540	-	-	-
<b>PRIMATES</b>													
<b>Cercopithecidae</b>													
<i>Cercocebus galeritus</i>	93.1	6.8	-	13.3	-	-	-	73.0	6	7839	42	7.33	-
<i>Cercopithecus aethiops</i>	94.6	7.5	-	14.1	1.08	0.39	11.28	72.9	1,6,42	4807	60	8.62	792
<i>Erythrocebus patas</i>	89.5	7.6	-	12.6	-	-	-	69.3	6	7273	54	7.34	305
<i>Macaca arctoides</i>	89.4	6.7	3.4	12.7	-	-	-	70.0	1,26	7502	42	7.21	-
<i>Macaca fascicularis</i>	77.1	6.6	3.5	12.9	-	-	-	57.0	1,6,26	4328	42	7.2	-
<i>Macaca mulatta</i>	81.9	6.0	3.2	11.9	0.78	0.27	5.03	61.6	1,6,26,44	4646	42	7.49	226
<i>Macaca nemestrina</i>	90.4	7.3	-	13.3	-	-	-	69.9	6	8118	42	7.42	-
<i>Macaca sinicus</i>	69.1	-	-	-	-	-	-	-	1	3604	-	-	-
<i>Macaca thibetana</i>	73.7	5.5	3.5	11.1	-	-	-	57.0	26	9255	-	-	-
<i>Papio anubis</i>	73	4.7	-	8.2	-	-	-	67.0	6	18123	42	-	-
<i>Papio cynocephalus</i>	73.4	4.8	-	9.9	-	-	-	59.8	1,3,6	15168	-	-	-
<i>Papio sphinx</i>	71.5	5.7	-	10.2	-	-	-	55.8	1,6	18250	42	7.29	-
<i>Theropithecus gelada</i>	87.3	6.7	-	12.1	-	-	-	68.5	6	17051	-	-	210
<b>Hylobatidae</b>													

species	tot l	head l	head w	mid l	mid w	flag w	mit vol	flag l	source	b wt	chrom	gen m	oest
<i>Hylobates lar</i>	63.5	6.9	-	7.9	-	-	-	48.8	6	5202	44	6.75	-
<b>Pongidae</b>													
<i>Gorilla gorilla</i>	61.2	4.8	-	11.7	-	-	-	41.0	1	147413	48	7.45	24
<i>Pan troglodytes</i>	69.9	5.3	-	7.5	0.85	0.24	3.95	57.1	1,6,44	44890	48	7.57	144
<i>Pongo pygmaeus</i>	66.6	5.3	-	9.0	-	-	-	52.3	1	56612	44	7.63	204
<b>Hominidae</b>													
<i>Homo sapiens</i>	57.4	5.0	-	4.7	0.74	0.26	1.78	48.4	1,6,42	63512	46	7.3	-
<b>Callithricidae</b>													
<i>Callithrix jacchus</i>	50	5.0	-	4.4	0.64	0.21	1.24	-	1,40	310	46	7.16	60
<b>Cebidae</b>													
<i>Cebus apella</i>	84.1	8.4	-	12.0	-	-	-	63.8	6	2912	54	7.68	132
<i>Saimiri sciurus</i>	69.2	5.1	-	9.0	0.68	0.25	2.86	55.3	1,6,44	747	44	6.88	24
<b>Daubentonidae</b>													
<i>Daubentonia madagascariensis</i>	55.8	6.3	-	-	-	-	-	-	1	3010	-	-	-
<b>Lemuridae</b>													
<i>Lemur catta</i>	57.8	5.2	-	10.3	-	-	-	42.1	1,6	1960	56	6.49	24
<i>Lemur macaco</i>	54.9	7.1	-	10.6	-	-	-	37.3	6	2501	44	-	25
<i>Lemur mongoz</i>	55.3	5.8	-	-	-	-	-	-	1	2100	46	7.73	-
<i>Lemur variegatus</i>	104.8	7.5	-	20.7	-	-	-	76.6	6	2998	-	-	21
<i>Microcebus murinus</i>	93.6	8.1	-	-	-	-	-	-	1	65	66	6.5	-
<b>Galagidae</b>													
<i>Galago crassicaudatus</i>	60.3	5.6	-	9.5	-	-	-	45.3	6	1090	62	8.3	139
<i>Galago senegalensis</i>	61.2	4.9	-	9.0	1.67	0.49	18.07	47.4	6,42	159	38	8.73	113
<b>Lorisidae</b>													
<i>Nycticebus coucang</i>	90	8.5	-	13.5	-	-	-	67.9	6	910	52	7.47	-
<b>SCANDENTIA</b>													
<b>Tupaiidae</b>													
<i>Tupaia glis</i>	93.4	9.2	-	14.0	-	-	-	70.2	6	120	62	7.03	3
<b>CHIROPTERA</b>													
<b>Pteropodidae</b>													
<i>Pteropus alecto</i>	65.6	6.4	4.8	19.2	-	-	-	40.0	1	650	-	-	-
<i>Pteropus conspiculatus</i>	103	7.2	4.8	21.8	0.90	0.50	9.59	74.0	1,35	499	-	-	-
<i>Pteropus edwardsi</i>	108.9	9.0	-	-	-	-	-	-	1	-	-	-	-
<i>Pteropus poliocephalus</i>	60.1	5.1	4.3	23.0	0.97	0.39	14.25	32.0	1,35	677	-	-	-
<i>Pteropus scapulatus</i>	103.8	8.0	4.9	22.5	1.00	-	-	73.4	1	358	-	-	-
<i>Syconycteris australis</i>	80.6	6.2	4.8	22.4	0.96	0.48	12.17	52.0	1,35	17	-	-	-
<b>Rhinolophidae</b>													
<i>Rhinolophus cornutus</i>	-	9.0	-	12.8	-	-	-	-	6	-	-	-	-
<i>Rhinolophus ferrumequinum</i>	-	6.4	-	18.6	-	-	-	-	6	14	58	4.08	-
<b>Phyllostomidae</b>													
<i>Anoura cultrata</i>	62.6	5.0	4.4	7.8	0.76	-	-	50.7	1	18	-	-	-
<i>Artibeus jamaicensis</i>	-	3.8	3.4	8.3	0.62	-	-	-	1	44	31	-	-
<i>Artibeus lituratus</i>	85.7	4.5	3.5	9.4	0.96	-	-	71.9	1	61	31	-	-
<i>Carollia castanea</i>	64.2	4.8	4.0	9.9	0.88	-	-	49.5	1	7	22	-	-
<i>Glossophaga soricina</i>	-	4.0	-	7.9	-	-	-	-	1	9	22	-	-
<i>Phyllostomus discolor</i>	-	5.4	4.2	9.1	0.61	-	-	-	1	37	-	-	-
<i>Sturnira lilium</i>	-	4.2	3.8	9.2	0.82	-	-	-	1	19	30	-	-
<i>Sturnira ludovici</i>	-	4.6	3.8	10.5	0.99	-	-	-	1	25	-	-	-
<b>Molossidae</b>													
<i>Mormopterus planiceps</i>	66	6.0	-	8.0	-	-	-	52.0	1	12	-	-	1465
<b>Vespertilionidae</b>													
<i>Antrozous pallidus</i>	58.6	3.6	2.5	12.0	2.15	-	-	43.0	1	23	46	-	4754
<i>Chalinolobus gouldii</i>	58	4.0	-	9.0	-	-	-	45.0	1	14	-	-	2927
<i>Chalinolobus morio</i>	45	4.0	-	6.5	-	-	-	34.5	1	9	-	-	1465
<i>Eptesicus fuscus</i>	72	5.0	2.0	9.0	0.62	0.30	2.10	58.0	1,43	17	50	4.7	4380
<i>Lasiurus noctivagans</i>	73.4	5.5	2.0	8.9	0.80	-	-	59.0	1	10	-	-	-
<i>Lasiurus borealis</i>	67.1	5.3	2.0	11.2	0.80	-	-	50.6	1	11	-	-	5112
<i>Miniopterus schreibersii</i>	-	11.0	-	10.3	-	-	-	-	1,6	12	46	3.61	864
<i>Myotis austroriparius</i>	49	4.6	1.9	12.8	1.20	-	-	31.6	1	7	44	-	-
<i>Myotis evotis</i>	-	4.9	2.1	15.1	1.33	-	-	-	1	-	44	-	-
<i>Myotis grisescens</i>	72.6	5.8	2.5	18.6	1.83	-	-	48.2	1	11	44	-	720
<i>Myotis keeni</i>	68.6	4.5	1.9	15.5	1.18	-	-	45.9	1	6	44	-	-
<i>Myotis lucifugus</i>	51	4.3	1.8	12.7	1.18	0.35	12.66	34.0	1,43	8	44	-	5112
<i>Myotis macrodactylus</i>	-	6.2	-	16.6	-	-	-	-	6	-	44	-	-
<i>Myotis nattereri</i>	-	6.8	-	17.7	-	-	-	-	6	7	44	-	-
<i>Myotis nigricans</i>	-	4.7	2.2	17.6	1.34	-	-	-	1	4	44	-	-
<i>Myotis sodalis</i>	65.5	4.9	1.8	13.7	1.00	-	-	46.9	1	6	44	-	4368
<i>Myotis velifer</i>	-	4.0	1.8	23.9	1.70	-	-	-	1	9	-	-	-

species	tot l	head l	head w	mid l	mid w	flag w	mit vol	flag l	source	b wt	chrom	gen m	oest
<i>Myotis volans</i>	-	5.3	2.0	15.9	1.12	-	-	-	1	8	-	-	-
<i>Nycticeius humeralis</i>	77.3	5.2	2.1	10.8	2.10	-	-	61.3	1	9	46	-	5112
<i>Nyctophilus geoffroyi</i>	53	4.0	-	6.0	-	-	-	43.0	1	6	-	-	2928
<i>Nyctophilus timoriensis</i>	52	4.0	-	8.0	-	-	-	40.0	1	17	-	-	2928
<i>Pipistrellus abramus</i>	-	6.1	-	18.1	-	-	-	-	6	6	-	-	-
<i>Pipistrellus subflavus</i>	79.1	5.6	2.3	10.4	0.81	-	-	70.0	1	6	30	-	5112
<i>Pipistrellus tasmaniensis</i>	66	6.0	-	8.0	-	-	-	52.0	1	11	-	-	-
<i>Plecotus rafinesquii</i>	54.6	4.3	2.1	9.3	1.26	-	-	41.1	1	9	-	-	2472
<i>Plecotus townsendii</i>	-	5.6	2.8	12.6	1.52	-	-	-	1	10	-	-	-
<b>INSECTIVORA</b>													
<b>Erinaceidae</b>													
<i>Erinaceus europaeus</i>	90	6.0	-	-	-	-	-	-	6	857	48	7.64	-
<b>Tenrecidae</b>													
<i>Tenrec eucaudatus</i>	64	-	-	-	-	-	-	-	1	831	38	-	-
<i>Setifer setosus</i>	64	-	-	-	-	-	-	-	1	225	-	-	-
<b>Soricidae</b>													
<i>Blarina brevicaudatus</i>	70	-	-	-	-	-	-	-	27	15	50	-	72
<i>Chimarrigale himalayica</i>	83.1	6.1	2.9	41.0	0.80	0.39	15.71	36.0	27	16	-	-	-
<i>Crocodyura dsinezumi</i>	104	14.0	11.5	55.0	0.76	0.43	16.96	34.9	6	10	-	-	-
<i>Crocodyura russula</i>	-	-	-	-	-	-	-	-	6,50	10	-	-	-
<i>Sorex araneus</i>	-	5.5	-	27.0	1.09	0.80	11.80	-	27	7	23	-	2
<i>Sorex shinto</i>	67.7	5.7	4.0	32.0	-	-	-	29.9	1,27,51	6	-	-	-
<i>Suncus murinus</i>	121.7	20.8	17.1	41.5	1.12	0.66	26.48	80.0	6,51	45	40	-	-
<b>Talpidae</b>													
<i>Talpa europaea</i>	116	9.0	-	-	1.01	0.45	-	-	1,52	85	34	-	25
<b>CARNIVORA</b>													
<b>Canidae</b>													
<i>Canis familiaris</i>	60.7	6.1	4.3	10.8	1.47	-	-	46.2	1,6,24	15002	78	7.1	348
<i>Canis lupus</i>	61.6	6.8	4.3	10.8	1.41	-	-	43.8	6	42872	-	-	264
<i>Vulpes vulpes</i>	64	7.6	5.0	12.4	1.46	-	-	48.6	6	4428	34	-	56
<b>Ursidae</b>													
<i>Ailuropoda melanoleuca</i>	51.2	5.0	4.2	7.2	0.80	-	-	39.0	1	92502	-	-	236
<i>Melursus ursinus</i>	72.5	-	-	-	-	-	-	-	6	97830	-	-	-
<i>Tremarctos ornatus</i>	73.1	-	-	-	-	-	-	-	6	140083	-	-	-
<i>Ursus arctos</i>	73.8	7.4	4.0	11.5	-	-	-	59.3	6	204433	-	-	648
<b>Mustelidae</b>													
<i>Martes foina</i>	70.3	7.0	5.3	11.5	1.54	-	-	54.4	6	1700	-	-	-
<i>Meles meles</i>	80	-	-	-	-	-	-	-	1	9227	-	-	-
<i>Mustela erminea</i>	-	-	-	-	-	-	-	-	-	250	-	-	-
<i>Mustela eversmanni</i>	78.6	8.0	6.3	13.3	1.70	-	-	57.2	6	1700	-	-	984
<i>Mustela nigripes</i>	-	5.0	4.5	-	-	-	-	-	28	790	-	-	888
<i>Mustela putorius</i>	-	5.7	4.2	-	-	-	-	-	28	900	-	-	-
<i>Mustela vison</i>	43	7.0	-	6.0	-	-	-	30.0	1	1007	30	-	216
<b>Viverridae</b>													
<i>Cryptoprocta ferox</i>	69	-	-	-	-	-	-	-	1	3501	-	-	-
<i>Eupleres goudotii</i>	45	-	-	-	-	-	-	-	1	2998	-	-	-
<b>Felidae</b>													
<i>Acinonyx jubatus</i>	56	5.4	3.3	10.0	-	-	-	40.0	6	47239	-	-	336
<i>Felis catus</i>	59.5	5.4	-	8.4	-	-	-	45.6	1,6	3900	38	-	122
<i>Panthera pardus</i>	62.1	4.7	2.4	12.8	0.55	0.24	2.46	44.0	29	37420	-	-	170
<i>Panthera tigris</i>	43.63	5.8	3.6	-	-	-	-	-	1	117007	-	-	-
<b>PINNIPEDIA</b>													
<b>Otariidae</b>													
<i>Callorhinus ursinus</i>	54.1	6.0	-	6.7	-	-	-	41.5	6	105661	36	-	720
<b>Phocidae</b>													
<i>Mirounga leonina</i>	73.7	4.8	3.0	5.3	0.50	-	-	63.6	1	1862086	-	-	108
<i>Phoca vitulina</i>	68	6.0	-	12.0	-	-	-	50.0	6	123129	32	-	840
<i>Halichoerus grypus</i>	53	-	-	-	-	-	-	-	1	-	-	-	-
<b>ARTIODACTYLA</b>													
<b>Suidae</b>													
<i>Phacochoerus aethiopicus</i>	-	8.9	5.1	-	-	-	-	-	16	52417	-	-	-
<i>Sus scrofa</i>	47.3	8.1	5.0	10.9	-	-	-	28.8	1,16	39339	38	6.57	39
<b>Tayassuidae</b>													
<i>Tayassu tajacu</i>	40	-	-	-	-	-	-	-	1	21120	30	-	84
<b>Hippopotamidae</b>													
<i>Hippopotamus amphibius</i>	33.5	3.8	2.7	7.9	-	-	-	21.9	1	1406045	-	-	126

species	tot l	head l	head w	mid l	mid w	flag w	mit vol	flag l	source	b wt	chrom	gen m	oest
<b>Camelidae</b>													
<i>Camelus bactrianus</i>	42.9	6.0	3.8	6.2	-	-	-	30.8	6	495339	74	5.96	72
<i>Camelus dromedarius</i>	48.6	5.6	3.6	6.9	0.87	0.43	3.08	35.3	1,6,33	414985	74	6.19	105
<i>Llama glama</i>	49.47	5.3	3.8	5.3	-	-	-	36.6	6	81450	-	-	-
<b>Cervidae</b>													
<i>Alces alces</i>	62.5	8.8	5.2	-	-	-	-	-	1	225482	70	-	108
<i>Axis axis</i>	66.2	8.9	6.3	13.8	-	-	-	43.6	30	68459	-	-	-
<i>Cervus duvauceli</i>	68.4	9.7	7.0	13.1	-	-	-	45.0	30	175430	-	-	-
<i>Cervus eldithamin</i>	74.6	8.8	5.5	13.3	-	-	-	49.8	30	122515	-	-	-
<i>Cervus elephas</i>	57	-	-	-	-	-	-	-	1	107688	68	-	-
<i>Cervus nippon</i>	64.8	8.7	5.8	12.1	-	-	-	44.8	30	23248	-	-	108
<i>Dama dama</i>	67.2	8.2	4.4	13.7	0.50	-	-	47.3	6	70051	68	-	-
<i>Elaphurus davidianus</i>	61.5	8.7	5.3	11.3	-	-	-	42.2	30	186464	-	-	-
<i>Mazama americana</i>	60.5	8.5	4.8	11.0	-	-	-	40.8	30	22810	-	-	-
<i>Odocoileus virginianus</i>	52	10.0	6.0	7.0	-	-	-	35.0	1	66902	70	-	30
<i>Rangifer tarandus</i>	56.5	7.6	5.0	10.4	-	-	-	38.5	1	95510	70	-	48
<b>Giraffidae</b>													
<i>Giraffa camelopardalis</i>	47.8	5.8	3.8	-	-	-	-	-	1	1009252	30	-	12
<b>Bovidae</b>													
<i>Aepyceros melampus</i>	46.1	6.5	4.1	7.6	-	-	-	32.0	1	49810	60	-	36
<i>Alcelaphus buselaphus</i>	48.4	4.8	3.1	7.2	-	-	-	36.3	1	135672	-	-	-
<i>Bos taurus</i>	62.5	8.0	4.3	12.2	0.63	0.27	3.09	42.2	1,6,30,39	725052	60	7.72	18
<i>Bubalus bubalis</i>	57	9.5	5.1	14.2	-	-	-	33.4	1	725052	-	-	26
<i>Capra hircus</i>	59.4	8.3	-	11.4	-	-	-	39.7	1	33489	60	6.76	26
<i>Capra ibex</i>	70.2	8.5	4.5	20.0	-	-	-	42.5	1	70192	-	-	48
<i>Cephalophus abyssinicus</i>	68	-	-	-	-	-	-	-	1	-	-	-	-
<i>Connochaetes taurinus</i>	46.8	5.0	3.6	7.9	-	-	-	33.9	1,6	190421	58	-	-
<i>Damaliscus dorcas</i>	50.8	4.5	3.0	7.7	-	-	-	38.6	1	63258	38	-	12
<i>Damaliscus lunatus</i>	-	6.8	4.6	-	-	-	-	-	28	130613	-	-	-
<i>Gazella dorcas</i>	66.5	7.4	3.7	11.1	-	-	-	48.0	6	-	31	-	-
<i>Gazella granti</i>	48	-	-	-	-	-	-	-	1	47619	-	-	-
<i>Hippotragus niger</i>	-	7.0	4.5	-	-	-	-	-	16	180953	-	-	-
<i>Litocranius walleri</i>	35	-	-	-	-	-	-	-	1	25008	-	-	-
<i>Ovis aries</i>	55.2	7.5	4.3	12.1	0.81	0.38	4.88	42.5	1,48	84964	54	6.88	35
<i>Redunca fulvorufula</i>	-	6.1	3.9	-	-	-	-	-	16	29377	-	-	-
<i>Syncerus caffer</i>	71.4	5.9	3.1	10.6	0.73	0.42	2.97	55.1	3,31	488941	-	-	-
<i>Tragelaphus angasi</i>	-	9.3	5.9	-	-	-	-	-	16	85733	-	-	-
<i>Tragelaphus strepsiceros</i>	45.5	6.4	3.8	9.0	-	-	-	30.3	1	192528	31	-	-
<b>CETACEA</b>													
<b>Delphinidae</b>													
<i>Globicephala melas</i>	67	-	-	-	-	-	-	-	1	2697738	-	-	-
<i>Tursiops truncatus</i>	64.5	4.5	-	4.0	-	-	-	56.0	1	152511	44	-	-
<b>Physeteridae</b>													
<i>Phocoena communis</i>	73.8	-	-	-	-	-	-	-	1	52522	-	-	-
<i>Physeter catodon</i>	45.5	-	-	-	-	-	-	-	1	20875000	-	-	-
<b>Balaenopteridae</b>													
<i>Megaptera novaeangliae</i>	56	-	-	-	-	-	-	-	1	30060762	-	-	-
<b>PERISSODACTYLA</b>													
<b>Equidae</b>													
<i>Equus asinus</i>	64.1	6.9	-	9.9	-	-	-	47.3	1	325135	62	-	-
<i>Equus burchelli</i>	-	5.3	2.8	-	-	-	-	-	16	284360	-	-	144
<i>Equus caballus</i>	60.6	6.8	3.3	9.8	-	-	-	43.8	1	530194	64	7	136
<i>Equus grevyi</i>	50	-	-	-	-	-	-	-	1	341123	46	-	-
<b>HYRACOIDEA</b>													
<b>Procaviidae</b>													
<i>Procavia capensis</i>	-	11.5	5.5	12.0	1.50	-	-	-	1,16	3095	-	-	-
<b>PROBOSCIDEA</b>													
<i>Elephas maximus</i>	59	7.5	-	10.6	-	-	-	40.0	1	1905000	-	-	96
<i>Loxodonta africana</i>	60.9	6.8	3.5	9.7	-	-	-	42.8	1,16,32	2540972	-	-	90