

Supplementary Data 1. List of specimens studied and associated raw external cranial measurements.

Measurements: Width (W), length (L) and height (H) used to estimates the brain volume.

Collection acronyms: AMNH: American Museum of Natural History (New York, NY, USA); FMNH: The Field Museum of Natural History (Chicago, IL, USA); LACM: Natural History Museum of Los Angeles County (Los Angeles, CA, USA); MNHN: Museum National d'Histoire Naturel (Paris, France); MVZ: Museum of Vertebrate Zoology (Berkeley, CA, USA); NHMUK: Natural History Museum (former British Museum of Natural History, London, UK); RMCA: Royal Museum for Central Africa (Tervuren, Belgium); USNM: Smithsonian National Museum of Natural History (United States National Museum; Washington, DC, USA);

Sex: F: Female; M: Male; U: Unknown;

Origin: C: Raise in captivity; W: Wild caught; U: Unknown.

Species	Collection ID	Online collection ID	Family	W	L	H	Measured brain volume (ml)	Sexe	Origin
<i>Acinonyx jubatus</i>	MNHN-ZM-AC 1941-51		Felidae	71.27	117.64	57.89	124.64	U	U
<i>Acinonyx jubatus</i>	RMCA 83001M-28		Felidae	68.68	123.09	52.76	109.15	M	C
<i>Ailuropoda melanoleuca</i>	Macho MAV 3156	Phenome10k (provided by Borja Figueirido)	Ursidae	94.75	195.77	80.57	292.98	U	U
<i>Ailurus fulgens</i>	MNHN-ZM-MO 1960-84		Ailuridae	72.54	77.24	26.53	49.55	F	C
<i>Ailurus fulgens</i>	MNHN-ZM-MO 1960-85		Ailuridae	79.20	80.59	25.05	52.75	M	C
<i>Ailurus fulgens</i>	MNHN-ZM-MO 1963-358		Ailuridae	46.72	90.26	27.39	30.62	F	C
<i>Amblonyx cinereus</i>	MNHN-ZM-MO 1982-165		Mustelidae	47.59	75.13	29.49	32.20	M	W
<i>Amblonyx cinereus</i>	MNHN-ZM 2005-607		Mustelidae	43.90	63.76	29.55	27.82	U	U
<i>Arctictis binturong</i>	MNHN-ZM-MO 1936-1529		Viverridae	49.58	84.42	30.76	36.65	U	C
<i>Arctictis binturong</i>	MNHN-ZM-MO 1990-88		Viverridae	49.26	100.99	34.52	43.19	M	C
<i>Arctogalidia trivirgata</i>	MNHN-ZM-MO 1998-1970		Viverridae	33.11	83.12	24.47	17.39	M	C
<i>Arctogalidia trivirgata</i>	MNHN-ZM-MO 2001-495		Viverridae	33.25	89.07	24.34	17.48	M	C
<i>Arctonyx collaris</i>	MNHN-ZM-AC 1961-186		Mustelidae	48.87	102.43	45.16	57.07	M	U
<i>Arctonyx collaris</i>	MNHN-ZM-MO 1962-1638		Mustelidae	52.95	101.41	43.70	60.94	U	W
<i>Atilax paludinosus</i>	MNHN-ZM-MO 1933-2856		Herpestidae	36.94	73.73	27.81	21.82	U	C
<i>Atilax paludinosus</i>	MNHN-ZM-MO 1995-2679		Herpestidae	35.56	75.72	30.03	24.58	U	U
<i>Atilax paludinosus</i>	MNHN-ZM-MO 1995-427		Herpestidae	36.52	86.88	30.21	24.58	M	W
<i>Bassaricyon alleni</i>	MCZ 37920		Procyonidae	35.59	60.58	18.82	13.02	U	U
<i>Bassaricyon alleni</i>	MCZ 37922		Procyonidae	34.31	60.03	17.72	11.63	F	U
<i>Bassaricyon alleni</i>	MCZ 37923		Procyonidae	34.67	59.84	18.01	11.98	M	U
<i>Bassaricyon gabbii</i>	MNHN-ZM-MO 1983-945		Procyonidae	35.21	60.97	18.42	12.58	U	W
<i>Bassariscus astutus</i>	MNHN-ZM-MO 1898-1483		Procyonidae	32.20	57.90	19.10	11.50	U	W
<i>Bassariscus astutus</i>	MNHN-ZM-MO 1911-768		Procyonidae	33.08	57.43	19.73	12.29	U	U
<i>Bassariscus astutus</i>	MNHN-ZM-MO A1619		Procyonidae	32.75	60.22	19.87	12.39	U	U
<i>Bdeogale crassicauda</i>	MNHN-ZM-MO 1881-1521		Herpestidae	34.65	69.51	24.03	16.95	M	W
<i>Bdeogale crassicauda</i>	MNHN-ZM-MO 1921-29		Herpestidae	30.49	65.35	21.78	12.76	U	U
<i>Bdeogale nigripes</i>	RMCA 92-124-M-001		Herpestidae	40.25	81.10	29.16	26.28	M	W
<i>Canis aureus</i>	MNHN-ZM-AC 1923-616		Canidae	52.39	89.67	40.58	53.62	M	W
<i>Canis aureus</i>	MNHN-ZM-MO 1972-384		Canidae	49.43	87.70	38.24	46.48	F	W
<i>Canis latrans</i>	MNHN-ZM 2007-454		Canidae	56.57	109.31	46.56	72.29	U	W
<i>Canis latrans</i>	MNHN-ZM-MO 1962-967		Canidae	58.41	108.12	45.83	73.81	U	U
<i>Canis lupus</i>	LACM 23010	Morphosource Media ID 000009407 (provided by Jack Tseng)	Canidae	75.33	153.39	59.58	148.50	U	U
<i>Canis lupus</i>	MNHN-ZM-AC 1941-284		Canidae	58.59	100.10	61.95	99.81	U	U
<i>Canis lupus</i>	MNHN-ZO-AC 1942-130		Canidae	65.78	118.11	57.58	112.06	M	C
<i>Canis lupus</i>	MNHN-ZM 2015-1255		Canidae	72.47	131.04	58.39	132.42	U	U
<i>Canis simensis</i>	MNHN-ZM-MO 1962-1508		Canidae	58.97	109.79	49.12	80.75	U	U
<i>Canis simensis</i>	MNHN-ZM-MO 1962-1509		Canidae	62.35	119.55	51.67	93.66	U	U
<i>Caracal caracal</i>	MNHN-ZM-MO 1919-25		Felidae	53.56	88.55	31.88	42.55	U	C
<i>Caracal caracal</i>	MNHN-ZM-MO 1969-455		Felidae	57.83	98.21	36.86	56.32	M	W
<i>Caracal caracal</i>	MNHN-ZM 2006-530		Felidae	56.57	88.93	34.41	49.53	M	W
<i>Catopuma temminckii</i>	MNHN-ZM-MO 1939-2152		Felidae	65.57	103.16	42.34	77.57	F	U
<i>Catopuma temminckii</i>	MNHN-ZM-AC 1941-293		Felidae	57.27	108.85	40.26	62.86	U	C
<i>Cerdocyon thous</i>	MNHN-ZM-MO 1962-1562		Canidae	49.15	80.14	33.09	38.60	U	W
<i>Chrotogale owstoni</i>	NHMUK 33.4.1.229		Viverridae	36.16	72.90	27.05	20.56	U	U
<i>Civettictis civetta</i>	MNHN-ZM-MO 1969-462		Viverridae	43.84	96.29	32.54	34.52	F	C
<i>Civettictis civetta</i>	MNHN-ZM-MO 1971-89		Viverridae	42.27	98.06	33.37	34.02	U	U
<i>Civettictis civetta</i>	RMCA 21-554		Viverridae	44.48	89.72	34.05	36.17	F	W
<i>Conepatus chinga</i>	MNHN-ZM-AC 1897-432		Mephitidae	31.56	45.61	22.03	12.20	U	U
<i>Conepatus chinga</i>	MNHN-ZM 2005-649		Mephitidae	29.06	44.41	21.05	10.39	F	W
<i>Conepatus leuconotus</i>	MNHN-ZM-MO 1868-1045		Mephitidae	34.40	53.92	28.19	18.53	U	W
<i>Crocuta crocuta</i>	LACM 30655	Phenome10k (provided by Jack Tseng)	Hyaenidae	75.65	154.21	62.59	157.54	U	U
<i>Crocuta crocuta</i>	MNHN-ZM-AC 1936-656		Hyaenidae	77.01	179.94	65.66	177.03	U	C
<i>Crocuta crocuta</i>	MNHN-ZM-MO 1972-399		Hyaenidae	91.75	169.37	64.36	212.84	U	W
<i>Crocuta crocuta</i>	NA	African fossils (https://africanfossils.org/)	Hyaenidae	78.26	179.52	70.37	194.32	U	U
<i>Crossarchus obscurus</i>	MNHN-ZM-MO 1961-1027		Herpestidae	26.89	52.56	20.51	9.60	M	C
<i>Crossarchus obscurus</i>	MNHN-ZM-MO 1976-333		Herpestidae	27.11	49.50	19.23	8.91	U	W
<i>Crossarchus obscurus</i>	MNHN-ZM-MO 2000-1062		Herpestidae	27.05	47.51	18.21	8.29	U	U
<i>Crossarchus obscurus</i>	MNHN-ZM-MO 2000-1067		Herpestidae	26.48	51.71	21.09	9.66	U	U
<i>Cryptoprocta ferox</i>	MNHN-ZM-AC 1927-227		Eupleridae	42.41	89.69	31.95	31.82	U	W
<i>Cryptoprocta ferox</i>	MNHN-ZM-MO 1940-1211		Eupleridae	45.60	94.33	35.74	39.85	M	C
<i>Cryptoprocta ferox</i>	MNHN-ZO-MO 1977-554		Eupleridae	43.84	95.82	35.44	37.74	M	W
<i>Cryptoprocta ferox</i>	MNHN-ZM-MO 1992-1667		Eupleridae	42.57	85.22	31.22	30.76	U	W
<i>Cryptoprocta ferox</i>	MNHN-ZM-MO 1992-1668		Eupleridae	46.22	87.22	33.42	36.94	U	W
<i>Cryptoprocta ferox</i>	MNHN-ZM-AC A12808		Eupleridae	45.43	90.24	34.19	37.38	U	U
<i>Cuon alpinus</i>	MNHN-ZM-MO 1927-1252		Canidae	62.65	113.02	52.25	93.86	F	W
<i>Cuon alpinus</i>	MNHN-ZM 2007-473		Canidae	63.21	108.13	49.73	88.97	U	W
<i>Eira barbara</i>	MNHN-ZM-MO 2000-646		Mustelidae	44.46	92.15	34.94	37.43	M	U

<i>Enhydra lutris</i>	MNHN-ZM-AC 1935-124		Mustelidae	73.54	97.72	51.67	109.16	U	W
<i>Enhydra lutris</i>	MNHN-ZM-MO 1962-2678		Mustelidae	76.27	105.33	55.80	126.67	U	U
<i>Eupleres goudotii</i>	MNHN-ZM-MO 1962-1602		Eupleridae	33.37	56.10	23.64	14.95	U	W
<i>Eupleres goudotii</i>	MNHN-ZM-MO 1962-2091		Eupleridae	33.33	60.46	22.98	14.80	U	U
<i>Eupleres goudotii</i>	MNHN-ZM-MO 1962-2105		Eupleridae	31.96	59.83	23.60	14.39	M	W
<i>Eupleres goudotii</i>	NHMUK 35.1.8.308		Eupleridae	32.08	59.63	21.88	13.33	M	U
<i>Felis chaus</i>	MNHN-ZM-MO 1845-120		Felidae	46.47	82.23	30.94	33.71	U	W
<i>Felis margarita</i>	MNHN-ZM-MO 1962-2933		Felidae	43.30	64.88	23.53	21.58	U	U
<i>Felis margarita</i>	MNHN-ZM 2014-566		Felidae	44.11	65.60	23.22	21.85	M	W
<i>Felis silvestris</i>	MNHN Cae492		Felidae	40.15	66.96	24.49	20.63	U	U
<i>Felis silvestris</i>	MNHN-ZM-AC 1880-498		Felidae	46.68	87.29	27.55	30.49	U	U
<i>Felis silvestris</i>	MNHN-ZM 2006-525		Felidae	44.85	75.40	25.11	25.21	M	U
<i>Fossa fossana</i>	MNHN-ZM-MO 1932-3556		Eupleridae	31.92	71.18	23.56	15.05	M	W
<i>Fossa fossana</i>	MNHN-ZM-MO 1932-3557		Eupleridae	34.07	66.88	23.80	16.24	M	W
<i>Fossa fossana</i>	MNHN-ZM-MO 1962-1597		Eupleridae	34.00	66.26	24.33	16.54	U	W
<i>Fossa fossana</i>	MNHN-ZM-MO 1962-1598		Eupleridae	32.68	64.07	22.71	14.49	M	W
<i>Fossa fossana</i>	MNHN-ZM-MO 1962-2112		Eupleridae	34.27	66.41	22.48	15.38	U	W
<i>Fossa fossana</i>	MNHN-ZM 2006-568		Eupleridae	31.56	68.71	23.20	14.46	U	U
<i>Galerella sanguinea</i>	MNHN-ZM-MO 1918-17		Herpestidae	24.04	43.30	15.55	5.88	U	W
<i>Galerella sanguinea</i>	MNHN-ZM-MO 2001-2188		Herpestidae	26.95	55.22	17.68	8.34	M	W
<i>Galerella sanguinea</i>	USNM 539732	Digimorph (provided by Blaire Van Valkenburgh & Tim Rowe)	Herpestidae	25.22	51.80	17.83	7.60	M	W
<i>Galictis cuja</i>	MNHN-ZM_MO 1960-3811		Mustelidae	34.73	66.02	26.29	18.43	U	C
<i>Galictis cuja</i>	MNHN-ZM 2005-651		Mustelidae	31.98	60.25	25.53	15.68	U	W
<i>Galictis vittata</i>	MNHN-ZM-MO 2001-1971		Mustelidae	40.27	71.78	30.57	26.72	M	W
<i>Galidia elegans</i>	MNHN-ZM-MO 1998-1938		Eupleridae	29.90	57.24	19.68	10.77	F	W
<i>Galidia elegans</i>	MNHN-ZM-MO 1912-124		Eupleridae	28.27	54.69	20	10.07	U	W
<i>Galidia elegans</i>	MNHN-ZM-MO 1932-3529		Eupleridae	29.53	52.57	19.86	10.45	M	W
<i>Galidia elegans</i>	MNHN-ZM-MO 1932-3534		Eupleridae	27.42	49.48	17.80	8.33	F	W
<i>Galidia elegans</i>	MNHN-ZM-AC 1951-2		Eupleridae	26.92	50.15	18.96	8.73	U	W
<i>Galidia elegans</i>	MNHN-ZM-MO 1962-2066		Eupleridae	26.15	50.14	17.91	7.92	U	W
<i>Galidia elegans</i>	MNHN-ZM-MO 1962-2070		Eupleridae	27.41	54.45	19.12	9.22	U	W
<i>Galidia elegans</i>	MNHN-ZM-MO 1962-2071		Eupleridae	29.82	53.93	19.26	10.32	M	W
<i>Galidia elegans</i>	MNHN-ZM-MO 1962-2109		Eupleridae	29.67	57.22	20.13	10.92	M	W
<i>Galidia elegans</i>	MNHN-ZM-MO 1974-316		Eupleridae	27.40	54.56	18.25	8.78	F	C
<i>Galidia elegans</i>	MNHN-ZM-MO 1992-1677		Eupleridae	28.22	49.41	18.39	8.94	F	C
<i>Galidictis fasciata</i>	MNHN-ZM-MO 1932-3539		Eupleridae	27.76	53.58	19.45	9.50	M	W
<i>Galidictis fasciata</i>	NHMUK 1938.11.16.2		Eupleridae	27.71	51.25	20.19	9.74	U	U
<i>Galidictis fasciata</i>	NHMUK 1938.11.16.3		Eupleridae	29	48.35	18.93	9.48	U	U
<i>Galidictis fasciata</i>	NHMUK 1938.11.16.4		Eupleridae	29.65	50.49	19.42	10.15	U	U
<i>Genetta boursloni</i>	MNHN-ZM-MO 2003-427		Viverridae	30.50	66.82	21.62	12.74	U	W
<i>Genetta boursloni</i>	MNHN-ZM-MO 2003-435		Viverridae	33.30	69.05	22.23	14.81	U	W
<i>Genetta genetta</i>	MNHN-ZM-MO 1962-2065		Viverridae	29.38	65.65	19.56	10.88	U	W
<i>Genetta genetta</i>	MNHN-ZM-AC 1963-368		Viverridae	29.60	63.82	19.26	10.72	F	C
<i>Genetta genetta</i>	MNHN-ZM-MO 1994-597		Viverridae	30.96	65.13	20.61	12.26	F	W
<i>Genetta genetta</i>	MNHN-ZM-MO 1997-450	Morphosource Media ID 000166833 (provided by Margot Michaud)	Viverridae	31.09	64.45	20.04	11.93	U	U
<i>Genetta johnstoni</i>	MNHN-ZM-MO 1982-1007		Viverridae	30.30	70.45	23.21	13.83	U	W
<i>Genetta johnstoni</i>	MNHN-ZM-MO 2000-683		Viverridae	30.93	62.29	20.33	11.92	U	W
<i>Genetta johnstoni</i>	MNHN-ZM-MO 2001-523		Viverridae	32.79	70.17	22.61	14.85	M	W
<i>Genetta maculata</i>	MNHN-ZM-MO 1907-586		Viverridae	29.52	66.97	20.31	11.45	U	U
<i>Genetta maculata</i>	MNHN-ZM-MO 1974-203		Viverridae	31.25	68.93	22.03	13.52	U	U
<i>Genetta pardina</i>	MNHN-ZM-MO 1977-704		Viverridae	30.56	65.37	21.47	12.60	F	W
<i>Genetta pardina</i>	MNHN-ZM-MO 1977-711		Viverridae	31.89	83.61	23.59	15.75	M	W
<i>Genetta piscivora</i>	RMCA RG30844		Viverridae	29.83	68.72	20.07	11.54	U	U
<i>Genetta poensis</i>	MNHN-ZM-MO 1894-263		Viverridae	32.93	71.70	23.32	15.52	F	U
<i>Genetta poensis</i>	MNHN-ZM-MO 1897-508		Viverridae	31.98	73.29	21.57	13.86	U	C
<i>Genetta servalina</i>	MNHN-ZM-MO 1885-840		Viverridae	29.36	65.46	20.65	11.50	U	W
<i>Genetta servalina</i>	MNHN-ZM-AC 1983-15		Viverridae	30.97	68.49	19.74	11.88	M	U
<i>Genetta thierryi</i>	MNHN-ZM-MO 1995-420		Viverridae	29.35	60.74	19.80	10.77	F	W
<i>Genetta thierryi</i>	MNHN-ZM-MO 1995-423		Viverridae	28.90	57.06	19.20	10.04	M	W
<i>Gulo gulo</i>	MNHN-ZM-MO 1983-946		Mustelidae	62.92	111.26	39.81	70.43	F	C
<i>Gulo gulo</i>	MNHN-ZM-MO 1995-1208		Mustelidae	70.11	118.84	39.17	80.91	U	U
<i>Helarctos malayanus</i>	MNHN-ZM-AC 1914-360		Ursidae	98.26	169.24	62.50	225.05	U	U
<i>Helarctos malayanus</i>	MNHN-ZM-AC 1971-188		Ursidae	84.31	148.09	56.61	160.70	U	U
<i>Helogale parvula</i>	MNHN-ZM-MO 1987-176		Herpestidae	23.40	42.67	15.82	5.77	F	C
<i>Herpailurus yagouaroundi</i>	MNHN-ZM-MO 1998-240		Felidae	46.99	81.67	33.28	36.88	U	W
<i>Herpailurus yagouaroundi</i>	MNHN-ZM-AC 1920-216		Felidae	52.23	85.16	33.28	42.67	F	C
<i>Herpestes ichneumon</i>	MNHN-ZM-MO 2003-128		Herpestidae	34.20	79.83	25.68	18.59	U	U
<i>Herpestes ichneumon</i>	MNHN-ZM 2005-855		Herpestidae	34.88	81.04	25.48	18.99	U	U
<i>Hyaena hyaena</i>	MNHN-ZM-AC 1910-90		Hyaenidae	67.43	119.31	55.80	112.17	M	C
<i>Hyaena hyaena</i>	MNHN-ZM-AC 1930-220		Hyaenidae	70.94	136.14	54.87	121.95	U	U
<i>Hyaena hyaena</i>	OM 9001	African fossils	Hyaenidae	72.25	138.39	48.50	110.02	U	U
<i>Hyaena hyaena</i>	USNM 182034	Digimorph (provided by Blaire Van Valkenburgh)	Hyaenidae	67.17	149.70	46.82	98.76	M	W
<i>Ichneumia albicauda</i>	MNHN-ZM-MO 1938-848		Herpestidae	37.54	80.04	27.47	22.49	F	U
<i>Ichneumia albicauda</i>	MNHN-ZM-MO 1939-185		Herpestidae	39.77	101.91	28.52	26.95	U	U
<i>Ichneumia albicauda</i>	MNHN-ZM-MO 1981-667		Herpestidae	37.83	83.50	25.77	21.48	F	W
<i>Ichneumia albicauda</i>	MNHN-ZM-MO 2001-2187		Herpestidae	38.55	75.81	28.73	24.03	M	W

<i>Ictonyx libyca</i>	MNHN-ZM-MO 1943-146		Mustelidae	25.62	38.24	15.73	6.24	M	W
<i>Ictonyx libyca</i>	MNHN-ZM-MO 1961-981		Mustelidae	27.16	41.93	17.58	7.75	U	U
<i>Ictonyx striatus</i>	MNHN-ZM-MO 1949-515		Mustelidae	27.43	49.21	20.02	9.42	U	C
<i>Ictonyx striatus</i>	MNHN-ZM-MO 2001-2185		Mustelidae	27.15	50.22	20.55	9.62	M	U
<i>Leopardus colocolo</i>	MNHN-ZM-MO 1897-1261		Felidae	44.77	76.53	24.92	25.06	F	U
<i>Leopardus geoffroyi</i>	MNHN-ZM-MO 1935-356		Felidae	46.88	87.10	30.81	34.49	U	W
<i>Leopardus jacobitus</i>	MNHN-ZM 2006-546		Felidae	39.36	62.49	24.27	19.55	U	W
<i>Leopardus pardalis</i>	MNHN-ZM-AC 1873-258		Felidae	54.51	100.93	36.56	52.19	F	U
<i>Leopardus pardalis</i>	MNHN-ZM-MO 1981-1244		Felidae	55.92	114.98	40.06	61.60	F	C
<i>Leopardus pardalis</i>	MNHN-ZM 2013-33		Felidae	59.14	103.09	39.75	63.63	U	U
<i>Leopardus wiedii</i>	MNHN-ZM-MO 1930-486		Felidae	50.69	84.74	34.14	42.14	U	U
<i>Leopardus wiedii</i>	MNHN-ZM-MO 1962-2954		Felidae	50.43	85.17	31.48	38.47	U	U
<i>Leptailurus serval</i>	MNHN-ZM-AC 1924-397		Felidae	54.41	96.56	37.11	52.25	U	W
<i>Leptailurus serval</i>	MNHN-ZM-AC 1963-75	Morphosource Media ID 000166837 (provided by Margot Michaud)	Felidae	53.64	102.35	33.32	46.53	M	U
<i>Leptailurus serval</i>	MNHN-ZM-MO 1995-452		Felidae	56.34	96.74	35.33	51.87	F	W
<i>Lontra canadensis</i>	MNHN-ZM 2005-604		Mustelidae	52.36	76.33	34.66	43.34	U	U
<i>Lontra canadensis</i>	MNHN-ZM 2005-609		Mustelidae	57.79	70.62	33.69	46.63	U	U
<i>Lontra felina</i>	MNHN-ZM-MO 1932-3019		Mustelidae	49.79	69.06	28.44	66.48	M	U
<i>Lontra felina</i>	MNHN-ZM-AC 1995-185		Mustelidae	57.11	82.09	38.48	55.17	F	W
<i>Lontra longicaudis</i>	MNHN-ZM-MO 2001-1291		Mustelidae	54.15	79.17	35	46.17	F	W
<i>Lontra longicaudis</i>	MNHN-ZM-MO 2001-1970		Mustelidae	65.41	97.90	39.75	71.27	M	W
<i>Lupulella adusta</i>	MNHN-ZM-MO 1934-736		Canidae	50.59	95.29	37.02	47.34	U	U
<i>Lupulella adusta</i>	MNHN-ZM-MO 1972-389		Canidae	48.19	87.84	34.64	40.54	F	W
<i>Lupulella mesomelas</i>	MNHN-ZM-MO 1939-167		Canidae	49.57	85.07	35.31	42.50	M	W
<i>Lupulella mesomelas</i>	MNHN-ZM 2007-433		Canidae	53.22	85.71	40.45	53.83	U	W
<i>Lutra lutra</i>	MNHN-ZM-MO 1996-2466		Mustelidae	55.81	87.40	38.52	54.59	M	U
<i>Lutra lutra</i>	MNHN-ZM 2005-597		Mustelidae	60.10	89.72	39.37	61.84	U	W
<i>Lutra lutra</i>	MNHN-ZM 2005-599		Mustelidae	53.27	84.58	35.77	47.13	U	U
<i>Lutrogale perspicillata</i>	MNHN-ZM-MO 1882-2947		Mustelidae	52.20	80.51	36.67	46.52	U	W
<i>Lutrogale perspicillata</i>	MNHN-ZM-MO 1962-1646		Mustelidae	63.54	75.94	37.41	60.00	F	W
<i>Lycalopex culpaeus</i>	MNHN-ZM-MO 1897-1252		Canidae	52.02	90.75	38.80	50.84	M	W
<i>Lycalopex culpaeus</i>	MNHN-ZM-MO 1962-1522		Canidae	52.36	86.79	42.29	55.47	M	W
<i>Lycalopex griseus</i>	MNHN-ZM-MO 1883-154		Canidae	42.96	71.83	29.09	27.52	U	U
<i>Lycalopex griseus</i>	MNHN-ZM 2007-463		Canidae	50.75	82.64	34.91	42.91	U	W
<i>Lycaon pictus</i>	MNHN-ZM-MO 1962-1528		Canidae	75.80	124.25	58.49	138.37	U	U
<i>Lyncodon patagonicus</i>	MNHN-ZM-AC 1897-422		Mustelidae	21.95	34.69	13.39	4.20	U	U
<i>Lyncodon patagonicus</i>	MNHN-ZM 2005-635		Mustelidae	25.50	40.94	16.87	6.80	U	U
<i>Lynx canadensis</i>	MNHN-ZM-AC 1957-122		Felidae	56.84	95.77	35.75	52.96	F	U
<i>Lynx canadensis</i>	MNHN-ZM-MO 1976-332		Felidae	57.69	101.97	37.97	58.55	M	C
<i>Lynx canadensis</i>	MNHN-ZM 2006-535		Felidae	57.84	92.31	35.87	53.78	M	W
<i>Lynx canadensis</i>	MNHN-ZM 2006-536		Felidae	54.75	98.20	36.59	52.13	U	W
<i>Lynx lynx</i>	MNHN-ZM-MO 1941-79		Felidae	60.76	109.87	39.27	66.18	U	C
<i>Lynx lynx</i>	MNHN-ZM-MO 1997-442		Felidae	66.69	105.82	45.34	85.83	F	W
<i>Lynx rufus</i>	MNHN-ZM-MO 1997-445		Felidae	56.47	97.39	35.14	51.82	M	W
<i>Lynx rufus</i>	MNHN-ZM 2004-303		Felidae	52.58	93.19	32.28	42.72	U	U
<i>Martes americana</i>	MNHN-ZM-MO 1987-422		Mustelidae	31.91	52.96	18.33	10.62	F	W
<i>Martes americana</i>	MNHN-ZM 2005-613		Mustelidae	36.98	61.42	21.14	15.52	F	U
<i>Martes flavigula</i>	MNHN-ZM-MO 1870-47		Mustelidae	44.07	72.76	26.02	25.35	U	W
<i>Martes flavigula</i>	MNHN-ZM-MO 1929-405		Mustelidae	40.86	68.87	23.54	20.39	F	U
<i>Martes foina</i>	MNHN-ZM-MO 1994-808		Mustelidae	38.55	65.75	25.40	20.26	M	W
<i>Martes martes</i>	MNHN-ZM-MO 1994-206		Mustelidae	36.48	65.59	21.83	16.08	M	U
<i>Martes martes</i>	MNHN-ZM 2005-232		Mustelidae	36.73	66.35	23.56	17.64	M	U
<i>Martes zibellina</i>	MNHN-ZM-MO 1872-294		Mustelidae	34.91	57.25	19.38	12.90	U	W
<i>Martes zibellina</i>	MNHN-ZM-MO 1902-1026		Mustelidae	37.03	66.60	21.63	16.30	M	U
<i>Meles meles</i>	MNHN-ZM-AC 1917-131		Mustelidae	47.04	91.70	32.23	36.86	M	U
<i>Meles meles</i>	MNHN-ZM-AC 1987-28		Mustelidae	47.82	89.65	39.34	46.20	F	C
<i>Meles meles</i>	MNHN-ZM 2005-707		Mustelidae	51.96	103.38	41.78	56.95	M	W
<i>Mellivora capensis</i>	MNHN-ZM 2004-453		Mustelidae	62.48	101.20	43.54	74.75	M	W
<i>Melogale moschata</i>	MNHN-ZM-AC 1892-1015		Mustelidae	30.81	51.14	21.09	11.67	F	C
<i>Melogale personata</i>	MNHN-ZM-MO 1923-386		Mustelidae	24.70	52.94	18.50	7.74	U	U
<i>Melogale personata</i>	MNHN-ZM-MO 1929-374		Mustelidae	31.48	49.76	20.75	11.70	F	W
<i>Melursus ursinus</i>	MNHN-ZM-AC 1883-59		Ursidae	96.58	209.56	70.16	264.22	U	U
<i>Mephitis mephitis</i>	USNM 260921		Mephitidae	28.99	46.79	20.15	10.04	F	U
<i>Mephitis mephitis</i>	USNM 564277		Mephitidae	28.08	50.93	21.48	10.56	F	U
<i>Mungos mungo</i>	MNHN-ZM_AC 1894-414		Herpestidae	28.78	53.14	19	9.68	U	C
<i>Mungos mungo</i>	MNHN-ZM-MO 1897-636		Herpestidae	27.46	52	18.46	8.79	M	U
<i>Mungos mungo</i>	MNHN-ZM-MO 1904-2017		Herpestidae	28.32	53.98	18.84	9.44	U	W
<i>Mungos mungo</i>	MNHN-ZM-MO 1962-2075		Herpestidae	29.35	55.38	19.32	10.22	U	U
<i>Mungotictis decemlineata</i>	MNHN-ZM-MO 1992-1670		Eupleridae	27.62	50.02	17.05	8.06	M	C
<i>Mungotictis decemlineata</i>	NHMMUK 48.212		Eupleridae	25.57	45.63	16.79	7.00	F	U
<i>Mungotictis decemlineata</i>	NHMMUK 48.2121		Eupleridae	25.74	43.13	17.49	7.26	F	NA
<i>Mustela erminea</i>	MNHN-ZM-MO 1944-444		Mustelidae	20.35	36.47	12.65	3.65	U	U
<i>Mustela erminea</i>	MNHN-ZM-MO 1995-1697		Mustelidae	20.48	35.13	12.49	3.59	M	W
<i>Mustela eversmanni</i>	MNHN-ZM 2005-668		Mustelidae	29.26	50.10	18.93	9.69	M	W
<i>Mustela frenata</i>	MNHN-ZM-MO 1932-2857		Mustelidae	21.98	41.25	14.79	4.91	U	U
<i>Mustela frenata</i>	MNHN-ZM 2005-625		Mustelidae	18.98	35.18	12.92	3.38	M	W
<i>Mustela lutreola</i>	MNHN-ZM-AC 1962-305		Mustelidae	28.41	50.10	18.79	9.26	M	U
<i>Mustela lutreola</i>	MNHN-ZM-AC 1962-332		Mustelidae	28.88	49.90	19.58	9.86	F	U
<i>Mustela nivalis</i>	MNHN-ZM-AC 1927-89		Mustelidae	14.54	29.65	10.09	1.77	F	W

<i>Mustela nivalis</i>	MNHN-ZM-MO 2003-483		Mustelidae	20.16	35.03	12.66	3.57	U	U
<i>Mustela putorius</i>	MNHN-ZM-MO 1991-605		Mustelidae	29.28	50.26	18.50	9.47	F	W
<i>Mustela putorius</i>	MNHN-ZM-MO 1992-2003		Mustelidae	32.73	52.99	19.14	11.48	F	U
<i>Mustela putorius</i>	MNHN-ZM 2004-639		Mustelidae	30.34	52.06	19.08	10.34	U	W
<i>Mustela sibirica</i>	MNHN-ZM-MO 1886-983		Mustelidae	24.79	52.07	16.34	6.79	U	W
<i>Mustela sibirica</i>	MNHN-ZM-MO 1962-1628		Mustelidae	27.71	50.32	18.31	8.74	M	W
<i>Nandinia binotata</i>	MNHN-ZO-MO_1958-722		Nandiniidae	33.18	67.33	22.26	14.66	U	C
<i>Nandinia binotata</i>	MNHN-ZO-MO_1966-213		Nandiniidae	32.17	63.39	22.19	13.81	U	W
<i>Nandinia binotata</i>	MNHN-ZM 2005-806		Nandiniidae	32.54	65.67	22.04	14.05	U	U
<i>Nasua narica</i>	MNHN-ZM-AC 1918-10		Procyonidae	43.12	74.72	33.71	32.69	F	C
<i>Nasua narica</i>	MNHN-ZM-AC 1934-554		Procyonidae	42.41	68.02	28.49	26.08	U	C
<i>Nasua narica</i>	MNHN-ZM 2005-869		Procyonidae	44.76	79.41	30.53	31.39	U	U
<i>Nasua nasua</i>	MNHN-ZM-MO 1956-706		Procyonidae	47.72	82.39	33.52	37.98	F	W
<i>Nasua nasua</i>	MNHN-ZM-MO 1977-48		Procyonidae	42.52	76.32	28.78	27.32	M	C
<i>Nasua nasua</i>	MNHN-ZM 2010-640		Procyonidae	44.20	80.79	34.87	35.73	F	C
<i>Nasuella olivacea</i>	MNHN-ZM-MO 1929-598		Procyonidae	39.95	70.53	30.09	25.88	F	W
<i>Neofelis nebulosa</i>	MNHN-ZM-AC 1940-305		Felidae	50.14	113.49	38.92	51.83	U	W
<i>Neofelis nebulosa</i>	MNHN-ZO-MO 1960-3663		Felidae	58.84	126.13	126.13	68.00	M	C
<i>Neofelis nebulosa</i>	MNHN-ZM 2006-430		Felidae	63.35	132.52	40.60	76.20	M	W
<i>Neovison vison</i>	MNHN-ZM-MO 1958-165		Mustelidae	27.52	47.79	19.77	9.26	M	W
<i>Neovison vison</i>	MNHN-ZM 2005-646		Mustelidae	27.09	42.03	16.97	7.45	F	W
<i>Nyctereutes procyonoides</i>	MNHN-ZM-MO 1874-485		Canidae	41.94	65.60	27.65	24.66	U	W
<i>Nyctereutes procyonoides</i>	MNHN-ZM-MO 1977-44		Canidae	40.24	65.85	27.24	23.06	M	W
<i>Otocolobus manul</i>	MNHN-ZM 2009-251		Felidae	46.95	67.79	27.21	28.24	F	C
<i>Otocolobus manul</i>	MNHN-ZM 2010-646		Felidae	47.35	68.45	25.51	26.73	M	C
<i>Otocyon megalotis</i>	MNHN-ZM-MO 1972-392		Canidae	43.44	59.84	26.45	23.98	M	W
<i>Otocyon megalotis</i>	MNHN-ZM-MO 1973-136		Canidae	42.73	59.55	28.08	24.98	M	U
<i>Otocyon megalotis</i>	USNM 429129	Morphosource Media ID 000100989 (provided by Blaire Van Valkenburgh & Tim Rowe)	Canidae	44.45	63.50	28.66	27.33	M	W
<i>Otocyon megalotis</i>	USNM 429132	Digimorph (provided by Blaire Van Valkenburgh)	Canidae	45.16	75.07	28.13	28.65	F	W
<i>Paguma larvata</i>	MNHN-ZM-MO 1962-1588		Viverridae	38.30	72.62	26.32	21.46	M	U
<i>Paguma larvata</i>	MNHN-ZM-MO 1962-2062		Viverridae	40.02	77.93	29.10	25.74	U	C
<i>Panthera leo</i>	MNHN-ZM-AC 1938-277		Felidae	84.16	176.76	84.70	258.26	M	C
<i>Panthera leo</i>	MNHN-ZM-AC 1938-632		Felidae	94.65	191.33	66.49	237.16	M	C
<i>Panthera leo</i>	MNHN-ZM-MO 1974-312		Felidae	88.41	183.37	64.86	209.33	M	C
<i>Panthera leo</i>	MNHN-ZM-AC 1995-164		Felidae	92.84	167.41	67.69	227.19	U	U
<i>Panthera leo</i>	MVZ 117849	Digimorph (provided by Blaire Van Valkenburgh & Jessica Theodor)	Felidae	103.82	227.98	73.55	311.75	U	W
<i>Panthera leo</i>	NA	African fossils	Felidae	83.20	170.33	81.23	240.97	U	U
<i>Panthera onca</i>	MNHN-ZM-AC 1914-259		Felidae	76.14	128.16	50.31	119.65	F	C
<i>Panthera onca</i>	MNHN-ZM 2006-438		Felidae	82.28	154.91	69.25	195.36	U	U
<i>Panthera pardus</i>	AMNH M-113745	Morphosource Media ID 000009401 (provided by Jack Tseng)	Felidae	80.98	163.55	47.99	131.77	U	U
<i>Panthera pardus</i>	MNHN-ZM-MO 1962-988		Felidae	82.78	154.70	50.84	141.83	U	W
<i>Panthera tigris</i>	MNHN-ZM-AC 1931-60		Felidae	89.28	179.56	73.37	240.12	U	U
<i>Panthera tigris</i>	MNHN-ZM-AC 1983-119		Felidae	95.32	184.85	71.14	254.60	F	C
<i>Panthera uncia</i>	MNHN-ZM-AC 1970-102		Felidae	76.62	119.85	44.86	104.82	M	C
<i>Panthera uncia</i>	MNHN-ZM-AC 1979-52		Felidae	92.05	146.21	58.14	184.16	U	U
<i>Panthera uncia</i>	MNHN-ZM 2006-429		Felidae	75.10	122.53	39.43	89.68	U	W
<i>Paradoxurus hermaphroditus</i>	MNHN-ZM-MO 1982-164		Viverridae	37.86	78.97	26.60	21.89	F	W
<i>Paradoxurus hermaphroditus</i>	MNHN-ZM-MO 1990-581		Viverridae	33.50	63.15	21.83	14.28	F	W
<i>Paradoxurus hermaphroditus</i>	MNHN-ZM-MO A3448	Morphosource Media ID 000166841 (provided by Margot Michaud)	Viverridae	35.72	72.66	24.47	18.18	U	U
<i>Paradoxurus zeylonensis</i>	MNHN-ZM-MO 1876-2018		Viverridae	34.14	70.27	21.79	15.04	U	W
<i>Parahyaena brunnea</i>	FMNH 38584	Digimorph (provided by Blaire Van Valkenburgh)	Hyaenidae	79.83	156.86	50.30	134.43	M	W
<i>Pardofelis marmorata</i>	MNHN-ZM-MO 1886-25		Felidae	44.90	79.63	28.44	29.25	U	W
<i>Poecilogale albinucha</i>	MNHN-ZM-AC 1934-107		Mustelidae	30.84	48.47	20.77	11.32	U	U
<i>Poecilogale albinucha</i>	MNHN-ZM-MO 1981-1371		Mustelidae	29.88	51.45	22.02	11.77	U	W
<i>Poiana richardsonii</i>	MNHN-ZM-MO-1976-389		Viverridae	25.60	50.28	14.09	5.98	U	W
<i>Poiana richardsonii</i>	RMCA 75-30-M-25		Viverridae	25.58	48.75	15.03	6.35	U	W
<i>Potos flavus</i>	MNHN-ZM-MO 1995-956		Procyonidae	36.85	63.27	24.28	18.05	M	W
<i>Potos flavus</i>	MNHN-ZM-MO 1995-957		Procyonidae	38.63	65.24	25.54	20.39	M	W
<i>Potos flavus</i>	MNHN-ZM-MO 2000-689		Procyonidae	38.58	68.71	24.33	19.62	F	W
<i>Prionailurus bengalensis</i>	MNHN-ZM-MO 1874-494		Felidae	35.63	61.49	24.28	17.16	U	U
<i>Prionailurus planiceps</i>	MNHN-ZM-MO 1873-228		Felidae	38.66	75.32	28.25	23.65	M	W
<i>Prionailurus viverrinus</i>	MNHN-ZM-MO 1953-866		Felidae	50.19	102.72	42.26	55.07	U	W
<i>Prionailurus viverrinus</i>	MNHN-ZM 2015-1300		Felidae	45.67	86.49	29.99	32.36	F	C
<i>Prionailurus viverrinus</i>	MNHN-ZM-AC A12519		Felidae	49.97	104.76	42.09	54.83	U	U
<i>Prionodon linsang</i>	USNM 303036	Digimorph (provided by Blaire Van Valkenburgh & Tim Rowe)	Prionodontidae	23.87	53.59	15.59	6.21	M	W
<i>Prionodon pardicolor</i>	MNHN-ZM-MO 1929-424		Prionodontidae	22.98	49.06	14.38	5.30	U	U
<i>Procyon cancrivorus</i>	MNHN-ZM-MO 1955-596		Procyonidae	58.53	79.69	36.11	52.77	U	W
<i>Procyon cancrivorus</i>	MNHN-ZM-MO 2000-364		Procyonidae	54.81	90.06	36.56	50.90	M	W

<i>Procyon cancrivorus</i>	MNHN-ZM-MO 2000-828		Procyonidae	56.18	96.36	35.44	51.79	M	W
<i>Procyon lotor</i>	MNHN-ZM-AC 1871-287		Procyonidae	44.60	77.26	27.10	27.33	U	U
<i>Procyon lotor</i>	MNHN-ZM-AC 1934-556		Procyonidae	50.82	85.04	27.97	34.26	U	C
<i>Procyon lotor</i>	MNHN-ZM-MO 1948-512		Procyonidae	49.49	94.05	30.04	36.75	U	C
<i>Profelis aurata</i>	MNHN-ZM-MO 1917-18		Felidae	52.09	102.68	35	47.27	U	U
<i>Profelis aurata</i>	RMCA 18469		Felidae	55.92	107.55	38.39	57.79	U	W
<i>Proteles cristata</i>	LACM 60619	Phenome10k (provided by Jack Tseng)	Hyaenidae	55.93	94.03	31.05	44.46	U	U
<i>Pteronura brasiliensis</i>	MNHN-ZM-AC A1918		Mustelidae	69.85	123.30	52.23	110.38	M	W
<i>Puma concolor</i>	MNHN-ZM-AC 1893-241		Felidae	76.30	135.35	54.34	132.19	M	C
<i>Puma concolor</i>	MNHN-ZM-MO 1973-2		Felidae	70.96	130.15	55.15	121.12	U	U
<i>Puma concolor</i>	MNHN-ZM-MO 1993-4625		Felidae	71.54	125.77	55.33	121.63	F	C
<i>Rhynchogale melleri</i>	MNHN-ZM-MO 1962-992		Herpestidae	34.84	72.80	25.96	18.76	M	U
<i>Rhynchogale melleri</i>	RMCA 21-881		Herpestidae	33	66.89	25.45	16.75	M	W
<i>Salanoia concolor</i>	MNHN-ZM-MO 1866-233		Eupleridae	26.58	48.15	18.03	8.05	F	U
<i>Salanoia concolor</i>	MNHN-ZM-MO 1962-2107		Eupleridae	27.27	49.10	19.16	8.92	U	W
<i>Salanoia concolor</i>	MNHN-ZM-MO 1962-2108		Eupleridae	28.13	52.15	19.40	9.57	U	W
<i>Salanoia concolor</i>	MNHN-ZM-MO 1962-2110		Eupleridae	27.81	48.96	18.84	8.98	U	W
<i>Salanoia concolor</i>	MNHN-ZM-MO 1962-2111		Eupleridae	28.60	50.57	18.24	9.07	U	W
<i>Speothos venaticus</i>	MNHN-ZM-MO 1998-588		Canidae	47.19	91.87	38.35	44.53	M	C
<i>Speothos venaticus</i>	MNHN-ZM-AC 2000-369		Canidae	46.40	92.46	40.14	45.82	M	C
<i>Spilogale gracilis</i>	MNHN-ZM 2005-656		Mephitidae	23.29	37.36	15.70	5.48	U	W
<i>Spilogale putorius</i>	MNHN-ZM 2005-657		Mephitidae	24.22	37.93	17.33	6.42	U	W
<i>Spilogale putorius</i>	USNM 564280		Mephitidae	23.41	35.91	15.04	5.21	F	U
<i>Suricata suricatta</i>	MNHN-ZM-MO 1936-1534		Herpestidae	29.94	43.11	19.48	9.86	F	U
<i>Suricata suricatta</i>	MNHN-ZM-MO 1998-112		Herpestidae	31.99	50.66	21.44	12.42	F	C
<i>Taxidea taxus</i>	LACM 45012	Morphosource Media ID 000100743 (provided by Blaire Van Valkenburgh & Tim Rowe)	Mustelidae	56.87	74.74	36.51	50.56	F	W
<i>Taxidea taxus</i>	NMB 9186		Mustelidae	55.52	74.61	36.88	49.54	F	U
<i>Taxidea taxus</i>	NMB 9783		Mustelidae	56.78	74.85	40.58	56.46	M	U
<i>Tremarctos ornatus</i>	MNHN-ZM-AC 1990-696		Ursidae	87.14	156.08	50.68	151.25	F	C
<i>Tremarctos ornatus</i>	MNHN-ZM-AC 1992-1469		Ursidae	91.50	161.73	56.11	181.05	F	C
<i>Urocyon cinereoargenteus</i>	MNHN-ZM-MO 1898-1484		Canidae	42.05	73.14	26.05	23.95	U	U
<i>Ursus americanus</i>	MNHN-ZM-MO 1938-125		Ursidae	89.92	162.77	63.34	201.73	U	W
<i>Ursus americanus</i>	USNM 227070	Digimorph (provided by Blaire Van Valkenburgh)	Ursidae	95.20	194.22	73.94	268.50	U	W
<i>Ursus arctos</i>	MNHN-ZM-AC 1963-400		Ursidae	110.22	212.22	82.16	370.73	F	C
<i>Ursus arctos</i>	MNHN-ZM-AC 2000-482		Ursidae	116.11	238.44	70.19	346.30	F	C
<i>Ursus arctos</i>	USNM 98062	Digimorph (provided by Tim Rowe)	Ursidae	103.87	220.96	65.85	275.02	F	W
<i>Ursus maritimus</i>	MNHN-ZM-MO 1996-2172		Ursidae	99.90	217.44	96.95	392.64	F	U
<i>Ursus maritimus</i>	USNM 275072	Digimorph (provided by Blaire Van Valkenburgh)	Ursidae	111.46	265.67	105.66	522.81	U	W
<i>Ursus thibetanus</i>	MNHN-ZM-MO 1964-244		Ursidae	94.63	160.55	66.28	224.98	F	C
<i>Ursus thibetanus</i>	MNHN-ZM-MO 1986-345		Ursidae	108.20	197.20	75.13	322.66	U	W
<i>Urva brachyura</i>	MNHN-ZM-MO 1872-278		Herpestidae	35.75	72.97	24.72	18.42	U	W
<i>Urva brachyura</i>	MNHN-ZM-MO 1965-406		Herpestidae	37.87	82.26	26.45	22.02	F	C
<i>Urva brachyura</i>	MNHN-ZM-MO 1974-309		Herpestidae	37.08	72.89	25.18	19.67	U	U
<i>Urva edwardsii</i>	MNHN-ZM 2005-854		Herpestidae	26.52	57.77	18.81	8.84	U	U
<i>Urva edwardsii</i>	MNHN-ZM-AC A3444		Herpestidae	27.11	59.09	20.46	10.00	F	C
<i>Urva javanica</i>	MNHN-ZM 2004-621		Herpestidae	24.33	49.65	19.18	7.75	U	U
<i>Urva javanica</i>	MNHN-ZM 2004-622		Herpestidae	24.89	52.38	17.99	7.57	U	U
<i>Urva urva</i>	MNHN-ZM-MO 1929-380		Herpestidae	39.65	74.09	26.35	22.58	M	W
<i>Viverra zibetha</i>	MNHN-ZM-MO 1884-11		Viverridae	35.42	70.58	26.23	19.21	M	W
<i>Viverra zibetha</i>	MNHN-ZM-AC 1884-2464		Viverridae	34.99	70.48	25.65	18.46	F	W
<i>Viverra zibetha</i>	MNHN-ZM-AC 1884-2478		Viverridae	35.22	66.35	25.70	18.34	M	W
<i>Viverra zibetha</i>	MNHN-ZM 2005-880		Viverridae	34.76	66.51	26.36	18.54	U	W
<i>Viverra zibetha</i>	MNHN-ZM-AC 1877-703		Viverridae	44.63	93.66	38.67	42.07	U	W
<i>Viverra zibetha</i>	MNHN-ZM-AC A3493		Viverridae	38.25	77.32	27.98	23.26	U	U
<i>Viverricula indica</i>	MNHN-ZM-AC 1951-4		Viverridae	31.10	73.56	22.46	13.97	U	U
<i>Viverricula indica</i>	MNHN-ZM-MO 1962-2113		Viverridae	31.97	65.22	20.55	12.73	U	W
<i>Viverricula indica</i>	MNHN-ZM-MO 1962-2115		Viverridae	31.17	67.41	22.58	13.75	U	W
<i>Viverricula indica</i>	MNHN-ZM 2005-884		Viverridae	31.78	69.02	22.80	14.34	U	W
<i>Vormela peregusna</i>	NMB 8548		Mustelidae	24.38	37.96	17.54	6.56	M	U
<i>Vormela peregusna</i>	NMB 8554		Mustelidae	25.4	34.56	16.14	6.16	F	U
<i>Vulpes lagopus</i>	MNHN-ZM-MO 1962-1549		Canidae	46.41	76.70	32.71	35.01	U	U
<i>Vulpes lagopus</i>	MNHN-ZM 2007-443		Canidae	46.26	68.98	28.93	29.72	U	W
<i>Vulpes rueppellii</i>	MNHN-ZM-MO 1962-143		Canidae	41.34	60.57	23.87	20.26	U	W
<i>Vulpes rueppellii</i>	MNHN-ZM-MO 1994-619		Canidae	40.17	60.18	23.35	19.05	U	W
<i>Vulpes velox</i>	MNHN-ZM-AC 1868-217		Canidae	48.08	83.32	29.47	33.56	U	U
<i>Vulpes vulpes</i>	MNHN-ZM-MO 1962-1544		Canidae	43.34	70.07	28.81	27.36	F	W
<i>Vulpes vulpes</i>	MNHN-ZM-MO 1996-519		Canidae	48.50	82.64	34.83	40.41	U	W
<i>Vulpes zerda</i>	MNHN-ZM-MO 1981-126		Canidae	37.62	53.63	20.02	14.42	U	U
<i>Vulpes zerda</i>	MNHN-ZM-MO 1995-460		Canidae	34.91	51.26	19.35	12.49	U	W
<i>Xenogale naso</i>	MNHN-ZM-MO 1970-20		Herpestidae	37.34	75.30	29.84	23.98	U	U
<i>Xenogale naso</i>	MNHN-ZM-MO 1988-278		Herpestidae	39.04	81.39	28.05	24.28	U	U

Supplementary Data 2. List of species, number of specimens (N) and associated estimated brain volume, average body mass and phylogenetic encephalization quotient used in this study. Brain volumes extracted from Finarelli (2006) are indicated with an asterisk.

Species	Family	N	Measured brain volume (ml)	Average body mass (g)	Phylogenetic Encephalization Quotient (EQ)
<i>Acinonyx jubatus</i>	Felidae	2	116.89	50577.92	-0.087606987
<i>Ailuropoda melanoleuca</i>	Ursidae	1	292.98	117999.99	0.310128075
<i>Ailurus fulgens</i>	Ailuridae	3	44.31	5170.08	0.345042830
<i>Amblonyx cinereus</i>	Mustelidae	2	30.01	3527.59	0.190584825
<i>Aonyx capensis</i>	Mustelidae	1	76.63*	806.21	0.081988383
<i>Arctictis binturong</i>	Viverridae	2	39.92	12999.99	-0.326398566
<i>Arctogalidia trivirgata</i>	Viverridae	2	17.39	2323.79	-0.098183063
<i>Arctonyx collaris</i>	Mustelidae	2	59.00	8166.52	0.350338862
<i>Atelocynus microtis</i>	Canidae	9	57.43*	8363.22	0.308652532
<i>Atilax paludinosus</i>	Herpestidae	3	23.04	3600.16	-0.086175173
<i>Bassaricyon alleni</i>	Procyonidae	3	12.21	1235.01	-0.063003327
<i>Bassaricyon gabbii</i>	Procyonidae	1	12.58	1250	-0.040768872
<i>Bassariscus astutus</i>	Procyonidae	3	12.06	1010.37	0.048080723
<i>Bassariscus sumichrasti</i>	Procyonidae	2	18.72*	906	0.554757891
<i>Bdeogale crassicauda</i>	Herpestidae	2	14.85	1722.13	-0.071611562
<i>Bdeogale nigripes</i>	Herpestidae	1	26.28	2623.01	0.240044954
<i>Canis aureus</i>	Canidae	2	50.05	9658.7	0.082498368
<i>Canis latrans</i>	Canidae	2	73.05	11989.1	0.327646011
<i>Canis lupus</i>	Canidae	4	123.20	31756.51	0.251171707
<i>Canis simensis</i>	Canidae	2	87.20	14361.86	0.393717824
<i>Caracal caracal</i>	Felidae	3	49.46	11964.38	-0.060910679
<i>Catopuma temminckii</i>	Felidae	2	49.46	7726.46	0.558383595
<i>Cerdocyon thous</i>	Canidae	1	38.60	5741.66	0.142554644
<i>Chrotogale owstoni</i>	Viverridae	1	20.56	3267.71	-0.140684362
<i>Chrysocyon brachyurus</i>	Canidae	6	97.76*	23325	0.209711756
<i>Civettictis civetta</i>	Viverridae	3	34.91	12075.58	-0.415218564
<i>Conepatus chinga</i>	Mephitidae	2	11.30	1918	-0.411705523
<i>Conepatus leuconotus</i>	Mephitidae	1	18.53	3293.91	-0.249653267
<i>Crocuta crocuta</i>	Hyaenidae	4	185.43	63369.98	0.235131075
<i>Crossarchus obscurus</i>	Herpestidae	4	9.12	1395.09	-0.430418362
<i>Cryptoprocta ferox</i>	Eupleridae	6	35.75	9500	-0.243792020
<i>Cuon alpinus</i>	Canidae	2	91.42	15800	0.382228115
<i>Cynictis penicillata</i>	Herpestidae	6	9.54*	694.41	0.044259207
<i>Cynogale bennettii</i>	Viverridae	1	25.34*	4246.57	-0.092662277
<i>Eira barbara</i>	Mustelidae	1	37.43	4134.99	0.313867802
<i>Enhydra lutris</i>	Mustelidae	2	117.92	27410.93	0.297878643
<i>Eupleres goudotii</i>	Eupleridae	4	14.37	2763.34	-0.395764959
<i>Felis chaus</i>	Felidae	1	33.71	7157.99	-0.128273823
<i>Felis margarita</i>	Felidae	2	21.71	2823.36	0.003966906
<i>Felis silvestris</i>	Felidae	3	25.44	4573.08	-0.134110422
<i>Fossa fossana</i>	Eupleridae	6	15.36	1853.98	-0.083533894
<i>Galerella sanguinea</i>	Herpestidae	3	7.27	543.83	-0.076468488

<i>Galictis cuja</i>	Mustelidae	2	17.06	1000	0.400952344
<i>Galictis vittata</i>	Mustelidae	1	26.72	3200	0.134251146
<i>Galidia elegans</i>	Eupleridae	11	9.50	810	-0.054939878
<i>Galidictis fasciata</i>	Eupleridae	4	9.72	974.995	-0.145933117
<i>Genetta boursloni</i>	Viverridae	2	13.78	1700	-0.138896867
<i>Genetta genetta</i>	Viverridae	4	11.44	1756.17	-0.344433816
<i>Genetta johnstoni</i>	Viverridae	3	13.53	2225	-0.322320778
<i>Genetta maculata</i>	Viverridae	2	12.49	1950	-0.321573910
<i>Genetta pardina</i>	Viverridae	2	14.18	3100	-0.479781652
<i>Genetta piscivora</i>	Viverridae	1	11.54	1648.05	-0.091160457
<i>Genetta poensis</i>	Viverridae	2	14.69	2200	-0.233339481
<i>Genetta servalina</i>	Viverridae	2	11.69	1175.84	-0.076390504
<i>Genetta thierryi</i>	Viverridae	2	10.40	1400	-0.300404061
<i>Gulo gulo</i>	Mustelidae	2	75.67	12792.49	0.323066171
<i>Helarctos malayanus</i>	Ursidae	2	192.87	57075.78	0.338828284
<i>Helogale parvula</i>	Herpestidae	1	5.77	281.83	0.095335744
<i>Hemigalus derbyanus</i>	Viverridae	10	17.74*	4246.57	-0.449224475
<i>Herpailurus yagouaroundi</i>	Felidae	2	39.77	6875	0.061878719
<i>Herpestes brachyurus</i>	Herpestidae	3	20.04	1396.16	0.356757897
<i>Herpestes ichneumon</i>	Herpestidae	2	18.79	2980.02	-0.173919886
<i>Hyaena hyaena</i>	Hyaenidae	4	110.72	35070.51	0.083396064
<i>Hydrictis maculicollis</i>	Mustelidae	6	39.54*	4180.53	0.361907059
<i>Ichneumia albicauda</i>	Herpestidae	4	23.74	3628.4	-0.061183010
<i>Ictonyx libyca</i>	Mustelidae	2	6.99	225.18	0.426416097
<i>Ictonyx striatus</i>	Mustelidae	2	9.52	811.02	-0.053263706
<i>Leopardus colocolo</i>	Felidae	1	25.06	5000	-0.204391530
<i>Leopardus geoffroyi</i>	Felidae	1	34.49	3590	0.318990368
<i>Leopardus jacobitus</i>	Felidae	1	19.55	8133.78	-0.752013683
<i>Leopardus pardalis</i>	Felidae	3	59.14	11880	0.122115283
<i>Leopardus wiedii</i>	Felidae	2	40.30	3270.81	0.532083915
<i>Leptailurus serval</i>	Felidae	3	50.22	11999.96	-0.047724706
<i>Lontra canadensis</i>	Mustelidae	2	44.98	8087.42	0.085047403
<i>Lontra felina</i>	Mustelidae	2	60.82	11195.36	-0.145964911
<i>Lontra longicaudis</i>	Mustelidae	2	58.72	6554.97	0.480715268
<i>Lupulella adusta</i>	Canidae	2	43.94	10392.49	-0.092763975
<i>Lupulella mesomelas</i>	Canidae	2	48.17	8247.3	0.141320810
<i>Lutra lutra</i>	Mustelidae	3	54.52	8868.69	0.220571986
<i>Lutrogale perspicillata</i>	Mustelidae	2	53.26	8912.49	0.194088470
<i>Lycalopex culpaeus</i>	Canidae	2	53.15	8616.24	0.213003535
<i>Lycalopex griseus</i>	Canidae	2	35.21	3000	0.450233507
<i>Lycaon pictus</i>	Canidae	1	138.37	21999.99	0.593083810
<i>Lyncodon patagonicus</i>	Mustelidae	2	5.5	225	0.187425538
<i>Lynx canadensis</i>	Felidae	4	54.35	9682.82	0.163517286
<i>Lynx lynx</i>	Felidae	2	76.00	19300	0.074538715
<i>Lynx rufus</i>	Felidae	2	47.27	6374.47	0.281024500
<i>Martes americana</i>	Mustelidae	2	13.07	873.69	0.217845706
<i>Martes flavigula</i>	Mustelidae	2	22.87	2504.64	0.129549713
<i>Martes foina</i>	Mustelidae	1	20.26	1675	0.256032227
<i>Martes martes</i>	Mustelidae	2	16.86	1299.99	0.228048974
<i>Martes pennanti</i>	Mustelidae	10	30.25*	3750	0.160940028

<i>Martes zibellina</i>	Mustelidae	2	14.6	1173.91	0.146859277
<i>Meles meles</i>	Mustelidae	3	46.67	11884.03	-0.114846753
<i>Mellivora capensis</i>	Mustelidae	1	74.75	8999.99	0.527093856
<i>Melogale moschata</i>	Mustelidae	1	11.67	938.5	0.060249148
<i>Melogale personata</i>	Mustelidae	2	9.72	1845.26	-0.538247930
<i>Melursus ursinus</i>	Ursidae	1	264.22	99999.99	0.308640205
<i>Mephitis mephitis</i>	Mephitidae	2	10.3	2399.99	-0.642015442
<i>Mungos mungo</i>	Herpestidae	4	9.53	1260	-0.322713772
<i>Mungotictis decemlineata</i>	Eupleridae	3	7.44	657.03	-0.170400363
<i>Mustela altaica</i>	Mustelidae	7	3.9*	180.24	-0.020637387
<i>Mustela erminea</i>	Mustelidae	2	3.62	284.5	-0.376734588
<i>Mustela eversmanni</i>	Mustelidae	1	9.69	1684.21	-0.485279777
<i>Mustela frenata</i>	Mustelidae	2	4.14	190.03	0.007704474
<i>Mustela lutreola</i>	Mustelidae	2	9.56	566.44	0.171854795
<i>Mustela nigripes</i>	Mustelidae	4	9.32*	907.1	-0.143418300
<i>Mustela nivalis</i>	Mustelidae	2	2.67	78.45	0.110525491
<i>Mustela putorius</i>	Mustelidae	3	10.43	975.55	-0.075553350
<i>Mustela sibirica</i>	Mustelidae	2	7.76	530.85	0.003388921
<i>Mydaus javanensis</i>	Mephitidae	2	16.1*	2500	-0.220338332
<i>Nandinia binotata</i>	Nandiniidae	3	14.17	2167.2	-0.259765853
<i>Nasua narica</i>	Procyonidae	3	30.05	4578.43	0.031601627
<i>Nasua nasua</i>	Procyonidae	3	33.68	3775.5	0.264104614
<i>Nasuella olivacea</i>	Procyonidae	1	25.88	1339.99	0.637855380
<i>Neofelis nebulosa</i>	Felidae	3	65.34	14945.05	0.080602569
<i>Neovison vison</i>	Mustelidae	2	8.35	945	-0.277895696
<i>Nyctereutes procyonoides</i>	Canidae	2	23.86	4214.99	-0.148320069
<i>Otocolobus manul</i>	Felidae	2	27.48	3050	0.192189678
<i>Otocyon megalotis</i>	Canidae	4	26.23	4098.12	-0.036064791
<i>Paguma larvata</i>	Viverridae	2	23.60	4300	-0.171473554
<i>Panthera leo</i>	Felidae	6	247.44	158623.93	-0.040763059
<i>Panthera onca</i>	Felidae	2	157.50	83943.09	-0.101036593
<i>Panthera pardus</i>	Felidae	2	136.80	52399.99	0.047875941
<i>Panthera tigris</i>	Felidae	2	247.36	161914.66	-0.053722720
<i>Panthera uncia</i>	Felidae	3	126.22	32500	0.261186084
<i>Paradoxurus hermaphroditus</i>	Viverridae	3	18.12	3200	-0.254113892
<i>Paradoxurus zeylonensis</i>	Viverridae	1	15.04	2821.3	-0.362835242
<i>Parahyaena brunnea</i>	Hyaenidae	1	134.43	42977.93	0.152331980
<i>Pardofelis marmorata</i>	Felidae	2	30.16	2826.68	0.332101887
<i>Poecilogale albinucha</i>	Mustelidae	2	11.54	308.16	0.734776354
<i>Poiana richardsonii</i>	Viverridae	2	6.16	570.08	-0.270831000
<i>Potos flavus</i>	Procyonidae	3	19.35	2441.81	-0.021812646
<i>Prionailurus bengalensis</i>	Felidae	1	17.16	2780.97	-0.222136637
<i>Prionailurus planiceps</i>	Felidae	1	23.65	3533.76	-0.048773098
<i>Prionailurus viverrinus</i>	Felidae	3	47.42	8826.46	0.083919447
<i>Prionodon lisang</i>	Prionodontidae	1	6.21	684.83	-0.377250075
<i>Prionodon pardicolor</i>	Prionodontidae	1	5.30	1142.68	-0.850779069
<i>Procyon cancrivorus</i>	Procyonidae	3	51.82	6931.72	0.321386212
<i>Procyon lotor</i>	Procyonidae	3	32.78	6373.72	-0.085008380
<i>Profelis aurata</i>	Felidae	2	52.53	11277.17	0.035592934
<i>Proteles cristata</i>	Hyaenidae	1	44.46	8139.39	0.069389919

<i>Pseudalopex gymnocercus</i>	Canidae	3	37.7*	4542.67	0.263154349
<i>Pteronura brasiliensis</i>	Mustelidae	1	110.38	26000	0.264369968
<i>Puma concolor</i>	Felidae	3	124.98	53954.05	-0.060479761
<i>Rhynchogale melleri</i>	Herpestidae	2	17.75	2240.33	-0.054927739
<i>Salanoia concolor</i>	Eupleridae	5	8.92	711.49	-0.038040081
<i>Speothos venaticus</i>	Canidae	2	45.17	6324.54	0.240478936
<i>Spilogale gracilis</i>	Mephitidae	1	5.48	466.5	-0.265908565
<i>Spilogale putorius</i>	Mephitidae	2	5.815	566.49	-0.325628068
<i>Suricata suricatta</i>	Herpestidae	2	11.14	729.99	0.168521723
<i>Taxidea taxus</i>	Mustelidae	3	52.19	7842.15	0.252505587
<i>Tremarctos ornatus</i>	Ursidae	2	166.15	123176.97	-0.283501601
<i>Urocyon littoralis</i>	Canidae	1	27.66*	1923	0.482232621
<i>Urocyon cinereoargenteus</i>	Canidae	1	23.95	3833.71	-0.086300115
<i>Ursus americanus</i>	Ursidae	2	235.11	110500	0.130499202
<i>Ursus arctos</i>	Ursidae	3	330.68	196287.5	0.118172163
<i>Ursus maritimus</i>	Ursidae	2	457.72	371703.81	0.050536997
<i>Ursus thibetanus</i>	Ursidae	2	273.82	99714.19	0.346073195
<i>Urva edwardsii</i>	Herpestidae	2	9.42	1304.67	-0.356341102
<i>Urva javanica</i>	Herpestidae	2	7.66	750	-0.222563027
<i>Urva smithii</i>	Herpestidae	1	12.99*	1702.5	-0.198663553
<i>Urva urva</i>	Herpestidae	1	22.58	2384.19	0.146967317
<i>Viverra zibetha</i>	Viverridae	4	18.64	7349.99	-0.737324745
<i>Viverra zibetha</i>	Viverridae	2	32.66	9148.77	-0.310707837
<i>Viverricula indica</i>	Viverridae	4	13.70	2918.88	-0.477126316
<i>Vormela peregusna</i>	Mustelidae	2	6.36	594.13	-0.265351820
<i>Vulpes chama</i>	Canidae	3	33.9*	2919.80	0.428780051
<i>Vulpes lagopus</i>	Canidae	2	32.36	3584.37	0.256352807
<i>Vulpes rueppellii</i>	Canidae	2	19.65	3249.97	-0.182095695
<i>Vulpes velox</i>	Canidae	1	33.56	2088	0.624878887
<i>Vulpes vulpes</i>	Canidae	2	33.88	4820.36	0.119962439
<i>Vulpes zerda</i>	Canidae	2	13.45	1317.13	-0.005751817
<i>Xenogale naso</i>	Herpestidae	2	24.13	3002.08	0.071762630