

Supplementary Table S5. Musteloids and mean body length (excluding tail length) and mean body mass used in this study.

Species	Common Name	Body Length (cm)	Body mass (kg)	References
Mustelidae				
<i>Aonyx capensis</i>	African clawless otter	82.9	15.80	(Larivière 2001a)
<i>Aonyx cinerea</i>	Asian small-clawed otter	40.6	3.10	(Larivière 2003)
<i>Arctonyx collaris</i>	Hog badger	62.5	10.50	(Helgen et al. 2008)
<i>Eira barbara</i>	Tayra	63.6	4.85	(Presley 2000)
<i>Enhydra lutris</i>	Sea otter	110	29.50	(Estes 1980)
<i>Galictis cuja</i>	Lesser grison	40.8	1.83	(Yensen and Tarifa 2003a)
<i>Galictis vittata</i>	Greater grison	51.8	2.35	(Yensen and Tarifa 2003b)
<i>Gulo gulo</i>	Wolverine	85	14.50	(Larivière and Jennings 2009)
<i>Hydrictis maculicollis</i>	Spotted-necked otter	73.5	4.90	(Larivière 2002)
<i>Ictonyx libyca</i>	Saharan striped polecat	23.35	0.40	(Larivière and Jennings 2009)
<i>Ictonyx striatus</i>	Striped polecat	33	0.80	(Larivière and Larivière 2002)
<i>Lontra canadensis</i>	North American river otter	71.5	8.40	(Larivière et al. 1998)
<i>Lontra felina</i>	Marine otter	66	4.50	(Larivière and Jennings 2009)
<i>Lontra longicaudis</i>	Neotropical otter	51.3	10.00	(Larivière 1999a)
<i>Lontra provocax</i>	southern river otter	59.8	7.50	(Larivière 1999b)
<i>Lutra lutra</i>	European otter	75	9.50	(Hung and Law)
<i>Lutra sumatrana</i>	Hairy-nosed otter	66	4.75	(Larivière and Jennings 2009)
<i>Lutrogale perspicillata</i>	Smooth-coated otter	62.5	9.00	(Hwang and Larivière 2005)
<i>Lyncodon patagonicus</i>	Patagonian weasel	32.5	0.23	(Larivière and Jennings 2009)
<i>Martes americana</i>	American marten	40.5	0.77	(Clark et al. 1987)
<i>Martes flavigula</i>	Yellow-throated marten	55	2.15	(Larivière and Jennings 2009)
<i>Martes foina</i>	Beach marten	47	1.70	(Larivière and Jennings 2009)
<i>Martes martes</i>	European pine marten	51.5	1.30	(Larivière and Jennings 2009)

<i>Martes melampus</i>	Japanese marten	50.75	1.25	(Larivière and Jennings 2009)
<i>Martes pennanti</i>	Fisher	60	3.75	(Larivière and Jennings 2009)
<i>Martes zibellina</i>	Sable	47	1.25	(Monakhov 2011)
<i>Meles anakuma</i>	Japanese badger	65	11.50	(Larivière and Jennings 2009)
<i>Meles leucurus</i>	Asian badger	59.75	6.25	(Larivière and Jennings 2009)
<i>Meles meles</i>	European badger	73	13.00	(Larivière and Jennings 2009)
<i>Mellivora capensis</i>	Honey Badger	84.2	8.35	(Larivière and Jennings 2009)
<i>Melogale cucphuongensis</i>	Vietnam ferret-badger	35	1.20	(Nadler 2011)
<i>Melogale moschata</i>	Chinese ferret-badger	35	1.20	(Storz and Wozencraft 1999)
<i>Melogale personata</i>	Burmese ferret-badger	37.5	2.25	(Larivière and Jennings 2009)
<i>Mustela africana</i>	Amazon weasel	31	0.14	(Ramírez-Chaves et al. 2014)
<i>Mustela altaica</i>	Mountain weasel	25.55	0.24	(Larivière and Jennings 2009)
<i>Mustela erminea</i>	Stoat	28.25	0.29	(Larivière and Jennings 2009)
<i>Mustela eversmanni</i>	Steppe polecat	46.6	1.70	(Larivière and Jennings 2009)
<i>Mustela felipei</i>	Colombian weasel	22.1	0.14	(Chaves and Patterson 2014)
<i>Mustela frenata</i>	Long-tailed weasel	24.4	0.27	(Sheffield and Thomas 1997)
<i>Mustela itatsi</i>	Japanese weasel	33.5	0.59	(Larivière and Jennings 2009)
<i>Mustela kathiah</i>	Yellow-bellied weasel	24.5	0.21	(Larivière and Jennings 2009)
<i>Mustela lutreola</i>	European mink	28	0.75	(Larivière and Jennings 2009)
<i>Mustela nigripes</i>	Black-footed ferret	45	0.92	(Hillman and Clark 1980)
<i>Mustela nivalis</i>	Least weasel	18.7	0.14	(Larivière and Jennings 2009)
<i>Mustela nudipes</i>	Malayan weasel	33	1.00	(Larivière and Jennings 2009)
<i>Mustela putorius</i>	European polecat	37.75	1.06	(Larivière and Jennings 2009)
<i>Mustela sibirica</i>	Siberian weasel	33.5	0.59	(Law)
<i>Mustela strigidorsa</i>	Back-striped weasel	28.75	1.35	(Larivière and Jennings 2009)

<i>Neovison vison</i>	American mink	38.2	1.13	(Larivière 1999c)
<i>Poecilogale albinucha</i>	African striped weasel	30.1	0.30	(Larivière 2001b)
<i>Pteronura brasiliensis</i>	Giant otter	115	27.00	(Larivière and Jennings 2009)
<i>Taxidea taxus</i>	American Badger	57	11.50	(Larivière and Jennings 2009)
<i>Vormela peregusna</i>	Marbled polecat	32	0.51	(Gorsuch and Larivière 2005)
Procyonidae				
<i>Bassaricyon allenii</i>	Lowland Olingo	39.1	1.25	(Helgen et al. 2013)
<i>Bassaricyon gabbii</i>	Northern Olingo	42.8	1.30	(Helgen et al. 2013)
<i>Bassaricyon medius</i>	Western lowland Olingo	37.9	1.08	(Helgen et al. 2013)
<i>Bassaricyon neblina</i>	Olinguito	35.5	0.87	(Helgen et al. 2013)
<i>Bassariscus astutus</i>	Ringtail	33.9	0.99	(Poglayen-Neuwall and Toweill 1988)
<i>Bassariscus sumichrasti</i>	Cacomistle	44	0.95	(Kays 2009)
<i>Nasua nasua</i>	South American Coati	50.5	4.60	(Kays 2009)
<i>Nasua narica</i>	White-nosed Coati	55.5	4.60	(Kays 2009)
<i>Nasuella meridensis</i>	Eastern mountain coati	47.9	1.25	(Helgen et al. 2009)
<i>Nasuella olivacea</i>	Western mountain coati	44.9	1.25	(Helgen et al. 2009)
<i>Potos flavus</i>	Kinkajou	59	2.95	(Ford and Hoffmann 1988)
<i>Procyon cancrivorus</i>	Crab-eating raccoon	65	5.40	(Kays 2009)
<i>Procyon lotor</i>	Raccoon	53	6.55	(Kays 2009)
Mephitidae				
<i>Conepatus chinga</i>	Molina's hog-nosed skunk	42	2.00	(Dragoo 2009)
<i>Conepatus leuconotus</i>	American hog-nosed shunk	42.5	3.00	(Dragoo and Sheffield 2009)
<i>Mephitis macroura</i>	Hooded skunk	31.9	0.92	(Hwang and Larivière 2001)
<i>Mephitis mephitis</i>	Striped skunk	31.5	2.35	(Wade-Smith and Verts 1982)
<i>Mydaus javanensis</i>	Sunda stink badger	40.9	2.50	(Hwang and Larivière 2003)
<i>Mydaus marchei</i>	Palawan stink badger	40.5	1.67	(Dragoo 2009)

<i>Spilogale gracilis</i>	Western spotted skunk	31	0.63	(Dragoo 2009)
<i>Spilogale putorius</i>	Eastern spotted skunk	28	0.55	(Dragoo 2009)
Ailuridae				
<i>Ailurus fulgens</i>	Red panda	62	4.50	(Roberts and Gittleman 1984)

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