

Appendix S2. Values of life history traits and reference information for species used in meta-analysis.

Traits were collected as follows: Body mass (g) = average body mass of the two sexes; Body length (cm)= average head to body length of the two sexes; Order: ART=Artiodactyla; CAR= Carnivora; CHI= Chiroptera; DAS= Dasyuromorphia; DIP= Diprotodontia; ERI= Erinaceomorpha; SOR= Soricomorpha; ROD= Rodentia; Research type: T= experimental translocation, O= observation; Sources: ADW= Animal Diversity Web; ARK= Wildscreen Arkive; NMNH= Smithsonian Institution's National Museum of Natural History-North America mammals; QM= Queensland Museum; WAZA= World Association of Zoos and Aquariums.

Species name	Order	Body mass	Source	Body length	Source	Type
<i>Alces alces</i>	ART	411075	Harestad & Bunnell 1979	275	ARK- http://www.arkive.org/eurasia-n-elk/alces-alces/	O
<i>Ammospermophilus leucurus</i>	ROD	111.1	Thorington Jr. et al. 2012	21.1	Thorington Jr. et al. 2012	O
<i>Antechinus flavipes</i>	DAS	37.5	QM- http://www.qm.qld.gov.au/	11	QM- http://www.qm.qld.gov.au/	O
<i>Apodemus flavicollis</i>	ROD	19.5	ARK- http://www.arkive.org/yellow-necked-mouse/apodemus-flavicollis/	10.75	ARK- http://www.arkive.org/yellow-necked-mouse/apodemus-flavicollis/	T,O
<i>Apodemus sylvaticus</i>	ROD	20	ARK- Http://www.arkive.org/wood-mouse/apodemus-sylvaticus/	9.07	ARK- http://www.arkive.org/wood-mouse/apodemus-sylvaticus/	T
<i>Barbastella barbastellus</i>	CHI	9.75	ARK- http://www.arkive.org/barbaste-llle-bat/barbastella-barbastellus/	5.15	ARK- http://www.arkive.org/barbast-elle-bat/barbastella-	O

<i>Canis latrans</i>	CAR	14000	Bekoff 1977	117.5	barbastellus/ Bekoff 1977	O
<i>Canis lupus</i>	CAR	43250	Mech 1974	145	Mech 1974	O
<i>Cervus elaphus</i>	ART	154200	ADW- http://animaldiversity.org/site/accounts/information/Cervus_elaphus.html	207.5	WAZA- http://www.waza.org/en/zoo/visit-the-zoo/deer-1254385523/cervus-elaphus-spp	O
<i>Cervus elaphus nelsoni</i>	ART	238136	Witt 2008	207.5	WAZA- http://www.waza.org/en/zoo/visit-the-zoo/deer-1254385523/cervus-elaphus-spp	O
<i>Chaetodipus fallax</i>	ROD	31	Lackey 1996	8.5	Lackey 1996	O
<i>Chaetodipus formosus</i>	ROD	21	NMNH- http://www.mnh.si.edu/mna/image_info.cfm?species_id=38	8.85	ADW- http://animaldiversity.org/accounts/Chaetodipus_formosus/	O
<i>Chaetodipus hispidus</i>	ROD	32	Paulson 1988	11.4	Paulson 1988	O
<i>Clethrionomys gapperi</i>	ROD	24	Merritt 1981	10.4	Merritt 1981	T
<i>Dipodomys merriami</i>	ROD	43.2	NMNH- http://www.mnh.si.edu/mna/image_info.cfm?species_id=73	10.3	ADW- http://animaldiversity.org/accounts/Dipodomys_merriami/	O
<i>Dipodomys simulans</i>	ROD	57.5	NMNH- http://www.mnh.si.edu/mna/image_info.cfm?species_id=73	NA	NA	O
<i>Erinaceus europaeus</i>	ERI	880	Doncaster et. al. 2001	22.5	ARK- http://www.arkive.org/hedgehog/erinaceus-europaeus/	O
<i>Ursus arctos</i>	CAR	312500	ARK- http://www.arkive.org/brown-bear/ursus-arctos/	215	ARK- http://www.arkive.org/brown-bear/ursus-arctos/	O

<i>Lynx lynx</i>	CAR	18450	Jędrzejewski et. al. 1996	105	ARK- http://www.arkive.org/eurasia-n-lynx/lynx-lynx/	O
<i>Lynx rufus</i>	CAR	8200	Larivière & Walton 1997	68.5	Larivière & Walton 1997	O
<i>Melomys cervinipes</i>	ROD	70	QM- http://www.qm.qld.gov.au/	11.4	QM- http://www.qm.qld.gov.au/	O
<i>Microtus agrestis</i>	ROD	30	ARK- http://www.arkive.org/field-vole/microtus-agrestis/	10.25	ARK- http://www.arkive.org/field-vole/microtus-agrestis/	O
<i>Microtus ochrogaster</i>	ROD	42.5	Stalling 1990	11.85	Stalling, D. T. 1990	T,O
<i>Microtus pennsylvanicus</i>	ROD	24.1	Reich 1981	16.8	Reich 1981	T
<i>Myodes glareolus</i>	ROD	23.5	ARK- http://www.arkive.org/bank-vole/clethrionomys-glareolus/	10.25	ARK- http://www.arkive.org/bank-vole/clethrionomys-glareolus/	T,O
<i>Myotis bechsteinii</i>	CHI	10.5	ARK- http://www.arkive.org/bechsteins-bat/myotis-bechsteinii/	5	ARK- http://www.arkive.org/bechsteins-bat/myotis-bechsteinii/	O
<i>Nyctalus leisleri</i>	CHI	15.5	ARK- http://www.arkive.org/leislers-bat/nyctalus-leisleri/	5.8	ARK- http://www.arkive.org/leislers-bat/nyctalus-leisleri/	O
<i>Peromyscus eremicus</i>	ROD	20	Veal & Caire 1979	8.6	Veal & Caire 1979	O
<i>Peromyscus leucopus</i>	ROD	23	ADW- http://animaldiversity.org/site/accounts/information/Peromyscus_leucopus.html	9.5	Lackey et al. 1984	T,O
<i>Peromyscus maniculatus</i>	ROD	17	ADW- http://animaldiversity.org/site/accounts/information/Peromyscus_maniculatus.html	7.85	ADW- http://animaldiversity.org/site/accounts/information/Peromyscus_maniculatus.html	T,O
<i>Petaurus gracilis</i>	DIP	405	Jackson 2011	25.1	Jackson 2011	O
<i>Pipistrellus pipistrellus</i>	CHI	5.5	ARK-	4	ARK-	O

<i>Pipistrellus pygmaeus</i>	CHI	5.5	ARK- http://www.arkive.org/pipistrelle-bats/pipistrellus-pipistrellus-and-pipistrellus-pygmaeus/	4	ARK- http://www.arkive.org/pipistrelle-bats/pipistrellus-pipistrellus-and-pipistrellus-pygmaeus/	O
<i>Puma concolor</i>	CAR	50000	Currier 1983	150.5	ARK- http://www.arkive.org/puma/puma-concolor/	O
<i>Rangifer tarandus</i>	ART	186500	ARK- http://www.arkive.org/reindeer/rangifer-tarandus/	170	ARK- http://www.arkive.org/reindeer/rangifer-tarandus/	O
<i>Rattus fuscipes</i>	ROD	132.5	Taylor & Calaby 1988	16.25	Taylor & Calaby 1988	O
<i>Reithrodontomys fulvescens</i>	ROD	15.8	NMNH- http://www.mnh.si.edu/mna/image_info.cfm?species_id=290	6.7	Spencer & Cameron 1982	T
<i>Reithrodontomys megalotis</i>	ROD	11.5	NMNH- http://www.mnh.si.edu/mna/image_info.cfm?species_id=292	7.3	Webster & Jones. Jr. 1982	O
<i>Reithrodontomys montanus</i>	ROD	9.5	NMNH- http://www.mnh.si.edu/mna/image_info.cfm?species_id=289	5.55	Wilkins 1986	O
<i>Sigmodon hispidus</i>	ROD	150	Cameron & Spencer 1981	17.1	Cameron & Spencer 1981	T,O
<i>Sorex araneus</i>	SOR	9.5	ARK- http://www.arkive.org/common-shrew/sorex-araneus/	6.4	ARK- http://www.arkive.org/common-shrew/sorex-araneus/	O
<i>Tamias striatus</i>	ROD	101	Thorington Jr. et al. 2012	14.73	Thorington Jr. et al. 2012	T,O
<i>Uromys caudimaculatus</i>	ROD	685	Nowak 1999	26.95	Nowak 1999	O

<i>Ursus americanus</i>	CAR	57850	Larivière 2001	150	Larivière 2001	O
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