Appendix S1 Physiological and geographical data for the bird and mammal species used

Birds

Species	Taxon	Body Mass (g)	LCT (°C)	UCT (°C)	Note on UCT*	TNZ (°C)	Latitudinal center (°N)	Longitudinal center (°W)	Maximum temperature	Minimum temperature	Latitudinal range	Range size (Grid #)	Latitudinal maximum (°)†	Latitudinal minimum (°)†	Elevation maximum (meters)	Elevation minimum (meters)	References
	Anseriformes																
Anas aucklandica	Anatidae	373.1	30	37	1a	7	-50.70	165.99	13.10	0.65	0.00	2	50.70	50.70	200	0	McNab 2003
Anas castanea	Anatidae	483.3	24	37	1a	13	-29.53	134.29	39.03	-3.30	27.86	1478	43.47	15.60	NA	NA	McNab 2003
Anas gracilis	Anatidae	393.7	30	39	1a	9	-22.02	145.38	41.61	-4.38	49.48	4135	46.77	0.00	NA	NA	McNab 2003
Anas rhynchotis	Anatidae	508	22	37	1a	15	-30.41	145.75	41.13	-4.38	32.71	2085	46.77	14.05	NA	NA	McNab 2003
Aythya novaeseelandiae	Anatidae	488.4	16	33	1a	17	-40.92	172.54	24.70	-4.38	12.65	169	47.25	34.60	1000	0	McNab 2003
Hymenolaimus malacorhynchos	Anatidae	717.1	12	38	1a	26	-41.30	172.54	24.02	-4.38	9.97	130	46.29	36.32	1050	0	McNab 2003
	Apodiformes																
Collocalia esculenta	Apodidae	6.8	31.5	34		2.5	-2.10	130.72	35.33	6.58	41.13	1811	22.67	0.00	3600	0	McNab and Bonaccorso 1995
Collocalia vanikorensis	Apodidae	11.6	30	34		4	-8.98	144.46	32.73	7.80	22.63	672	20.29	0.00	1600	0	McNab and Bonaccorso 1995
	Caprimulgiformes																
Aegotheles cristatus	Aegothelidae	45.56	31	35		4	-25.12	134.35	41.61	-3.30	36.70	3306	43.47	6.77	1000	0	Doucette and Geiser 2008
Podargus strigoides	Podargidae	380.3	30	38	1a	8	-26.84	133.46	41.61	-3.30	33.26	3286	43.47	10.21	NA	NA	McNab and Bonaccorso 1995
	Coliiformes																
Colius colius	Coliidae	40.2	29	35		6	-26.09	20.78	37.02	-3.58	17.87	732	35.02	17.16	NA	NA	McKechnie and Lovegrove 2001a
Colius striatus	Coliidae	51	25	42		17	-9.06	26.56	41.77	-3.52	51.92	3599	35.02	0.00	2800	0	Bartholomew *et al* ., 1970
Urocolius macrourus	Coliidae	51.3	29	33	2	4	5.88	15.93	43.51	3.70	29.1	2655	20.43	0.00	2000	0	Prinzinger 1988
	Columbiformes																
Caloenas nicobarica	Columbidae	613	25	37	1a	12	3.95	127.69	33.50	14.34	31.38	610	19.64	0.00	700	0	McNab 2000
Columba livia	Columbidae	467	23	36.5		13.5	9.21	0.04	46.33	-39.18	111.94	13137	65.18	0.00	NA	NA	McNab 2000
Columba vitiensis	Columbidae	467.9	22	34		12	-1.51	0.04	34.21	6.58	42.31	821	22.67	0.00	2750	0	McNab 2000
Columbina inca	Columbidae	41.5	32	35	1a	3	22.85	-99.68	41.81	-11.28	28.09	1251	36.90	8.81	3000	0	MacMillen and Trost 1967
Drepanoptila holosericea	Columbidae	198	27	33	2	6	-21.29	165.67	29.40	13.20	2.77	16	22.67	19.90	NA	NA	Schleucher 2002
Ducula bicolor	Columbidae	453	26	36	1a	10	5.88	113.51	37.59	11.74	29.1	927	20.43	0.00	1100	0	McNab 2000
Ducula pacifica	Columbidae	333.4	27.5	36	1a	8.5	-11.68	0.04	30.88	13.20	21.98	60	22.67	0.69	1000	0	McNab 2000
Ducula pinon	Columbidae	583.8	23	37	1a	14	-5.84	142.02	32.73	8.12	11.68	404	11.74	0.00	900	0	McNab 2000
Ducula pistrinaria	Columbidae	394.2	27	35	1a	8	-6.21	152.65	31.25	18.38	9.52	110	10.98	1.45	600	0	McNab 2000
Ducula radiata	Columbidae	333.6	22	37	1a	15	-2.02	122.03	32.25	13.85	7.21	112	5.63	0.00	2400	200	McNab 2000
Ducula rubricera	Columbidae	418.8	24	36	1a	12	-6.59	154.91	31.00	18.38	8.76	99	10.98	2.21	1100	0	McNab 2000
Ducula rufigaster	Columbidae	376.7	26	35	1a	9	-5.26	140.34	32.73	7.24	10.53	396	10.59	0.07	1200	0	McNab 2000
Ducula zoeae	Columbidae	456.2	19	32		13	-5.45	141.93	32.73	6.93	10.28	407	10.59	0.31	1450	0	McNab 2000
Geopelia cuneata	Columbidae	39	34	45	2	11	-23.67	132.59	41.61	-1.21	26.16	2457	36.75	10.59	NA	NA	Schleucher *et al* ., 1991
Geophaps plumifera	Columbidae	89	33	39		6	-21.00	129.60	41.61	2.09	14.66	922	28.32	13.67	NA	NA	Withers and Williams 1990, Williams *et al*., 1995
Goura cristata	Columbidae	2313.4	19	35	1a	16	-2.21	131.91	31.40	15.73	4.42	92	4.49	0.00	500	0	McNab 2000
Gymnophaps albertisii	Columbidae	241.6	22	36		14	-5.45	140.17	32.73	6.58	10.28	320	10.59	0.31	3350	0	McNab 2000
Hemiphaga novaeseelandiae	Columbidae	435.6	20	30		10	-40.92	172.54	24.70	-4.38	12.65	162	47.25	34.60	1100	0	McNab 2000
Leucosarcia melanoleuca	Columbidae	468	24	36	1a	12	-29.42	149.33	34.10	-3.30	19.04	273	38.94	19.90	1800	0	McNab 2000
Ptilinopus melanospilus	Columbidae	98	30	35		5	0.64	117.92	34.37	13.73	21.69	379	11.49	0.00	1650	0	Schleucher and Withers 2002, McNab 2000
Ptilinopus perlatus	Columbidae	196	24	32	1a	8	-5.26	140.82	32.73	6.93	10.53	405	10.59	0.00	1120	0	McNab 2000
Ptilinopus superbus	Columbidae	120.4	26	30	2	4	-26.08	140.43	32.73	1.00	57.59	773	54.87	0.00	1600	0	Schleucher 1999
	Coraciiformes																
Dacelo novaeguineae	Alcedinidae	336	20	35	2	15	-26.84	144.46	38.20	-3.30	33.26	1299	43.47	10.21	NA	NA	Buttemer *et al* ., 2003
Aceros plicatus	Bucerotidae	1965	16	35	1a	19	-3.94	144.27	32.73	7.24	13.31	530	10.59	0.00	1800	0	McNab 2001
Bycanistes bucinator	Bucerotidae	721	24	30		6	-16.48	28.18	37.37	-1.11	35.37	1813	34.17	0.00	2200	0	Harji 2002
Phoeniculus purpureus	Phoeniculidae	72.19	23.1	35	1a	11.9	-8.44	12.31	42.47	-3.53	51.46	5263	34.17	0.00	2000	0	Boix-Hinzen and Lovegrove 1998, Williams *et al*., 1991
Todus mexicanus	Todidae	6.3	29	32		3	18.27	-66.58	32.20	16.36	0.39	7	18.46	18.07	NA	NA	Merola-Zwartjes and David 2000
	Cuculiformes																
Guira guira	Cuculidae	140	27	33	1a	6	-21.41	-52.32	36.43	-6.89	45.97	3443	44.40	0.00	1200	0	Simone 2003
	Falconiformes																
Daptrius ater	Falconidae	362	19.5	35		15.5	-3.60	-61.57	36.06	-5.05	27.88	2883	17.55	0.00	890	0	Wasser 1986
Falco rupicoloides	Falconidae	214	15	33		18	-8.44	28.90	41.80	-3.58	51.46	1549	34.17	0.00	2150	0	Bush *et al* ., 2008
	Galliformes																
Leipoa ocellata	Megapodiidae	1390	22	37		15	-31.33	132.33	38.78	0.66	11.71	462	37.19	25.48	NA	NA	Booth 1989
Callipepla gambelii	Odontophoridae	125.5	34	42		8	34.95	-110.21	41.81	-19.05	21.09	335	45.50	24.41	NA	NA	Weathers 1981, Goldstein and Nagy 1985
Alectoris chukar	Phasianidae	475	24	39		15	4.59	97.73	46.33	-39.18	99.85	4666	54.52	0.00	4500	0	Marder and Bernstein 1983
Coturnix chinensis	Phasianidae	44.9	27	35		8	-5.26	70.23	42.89	-6.97	68.26	7042	39.39	0.00	NA	NA	Roberts and Baudinette 1986; Prinzinger *et al* .,1993
Coturnix pectoralis	Phasianidae	95.8	27	35		8	-28.92	133.46	41.61	-3.30	28.18	2729	43.01	14.83	NA	NA	Roberts and Baudinette 1986
Lagopus leucura	Phasianidae	326	6	38		32	51.57	-129.49	34.00	-35.96	32.80	845	67.97	35.17	NA	NA	Johnson 1968
Lagopus muta	Phasianidae	465	-8.7	22	1b	30.7	58.05	0.02	33.38	-53.55	46.62	5016	81.37	34.74	NA	NA	Mortensen and Blix 1986
Syrmaticus humiae	Phasianidae	398.83	24.5	29.2		4.7	23.45	99.90	34.58	-3.49	8.40	231	27.65	19.25	3000	740	Ying *et al* ., 2011
Syrmaticus ellioti	Phasianidae	388.25	23	31.6		8.6	27.89	114.72	34.24	-1.25	6.95	259	31.36	24.41	1900	200	Ying *et al* ., 2011
	Gruiformes																
Aramides cajanea	Rallidae	374.3	30	38		8	-6.12	-66.83	36.26	-8.70	58.66	5886	35.45	0.00	2300	0	McNab and Ellis 2006
Gallinula mortierii	Rallidae	954.4	15	35		20	-41.87	146.48	22.90	-0.96	3.19	32	43.47	40.28	NA	NA	McNab and Ellis 2006
Gallinula tenebrosa	Rallidae	512.4	17	36	1a	19	-20.94	140.76	38.88	-3.30	43.40	1977	43.47	0.00	NA	NA	McNab and Ellis 2006
Gallinula ventralis	Rallidae	309.2	20	40	1a	20	-29.15	133.46	41.61	-2.88	28.64	2166	43.47	14.83	NA	NA	McNab and Ellis 2006
Gallirallus australis	Rallidae	813.5	30	38	1a	8	-41.14	0.49	24.20	-3.14	12.22	47	47.25	35.02	1500	0	McNab and Ellis 2006
Gallirallus owstoni	Rallidae	198.8	29	38		9	13.80	144.95	30.50	23.00	0.77	2	14.19	13.41	NA	NA	McNab and Ellis 2006
Megacrex inepta	Rallidae	856.6	18	35	1a	17	-5.63	140.99	32.73	19.04	6.09	87	8.68	2.59	NA	NA	McNab and Ellis 2006
Porphyrio hochstetteri	Rallidae	2758.3	9	31		22	-41.52	170.70	24.07	-3.14	9.54	18	46.29	36.75	NA	NA	McNab and Ellis 2006
Porphyrio porphyrio	Rallidae	919.3	14	38	1a	24	0.32	0.04	46.15	-20.03	94.17	9258	47.41	0.00	2500	0	McNab and Ellis 2006
Porzana cinerea	Rallidae	47.9	28	37		9	-1.51	0.04	39.04	6.93	42.31	2226	22.67	0.00	1830	0	McNab and Ellis 2006
	Passeriformes																
Alaemon alaudipes	Alaudidae	37.7	32.7	37.5		4.8	21.52	26.07	48.73	-13.54	30.76	4528	36.90	6.14	2000	0	Tieleman *et al* ., 2002
Eremalauda dunni	Alaudidae	20.6	31.5	41		9.5	23.07	20.02	47.38	0.04	21.63	1250	33.89	12.26	NA	NA	Tieleman *et al* ., 2002
Mirafra erythrocephala	Alaudidae	27.3	27.9	35.1		7.2	-24.68	15.41	31.02	2.22	4.02	34	26.69	22.67	900	0	Williams 1999, Marschall and Prinzinger 1991
Cardinalis cardinalis	Cardinalidae	41	29	42.6		13.6	31.57	-112.84	41.81	-21.74	31.68	2713	47.41	15.74	2597	0	Hinds and Calder 1973
Cardinalis sinuatus	Cardinalidae	32	30	42.8		12.8	27.59	-104.79	40.79	-11.28	14.31	723	34.74	20.43	2000	0	Hinds and Calder 1973
Cnemophilus loriae	Cnemophilidae	78.1	20	32		12	-6.59	142.47	31.48	6.58	7.24	110	10.21	2.97	3000	1500	McNab 2005
Coereba flaveola	Coerebidae	10	25	35		10	-2.83	-65.78	36.08	-5.36	60.13	4928	32.90	0.00	2400	1000	Merola-Zwartjes 1998
Aphelocoma coerulescens	Corvidae	78.72	12.4	24		11.6	28.07	-81.53	33.46	5.37	4.91	50	30.53	25.62	NA	NA	Mann 1983
Cyanocitta stelleri	Corvidae	99.96	28	31.8		3.8	37.00	-119.09	40.79	-28.44	48.71	1710	61.35	12.64	NA	NA	Mann 1983
Pica nuttalli	Corvidae	151.9	13.5	33.5		20	37.60	-120.55	37.14	-8.47	6.57	64	40.88	34.32	NA	NA	Hayworth and Weathers 1984
Pica pica	Corvidae	158.9	21	32.5		11.5	42.99	-0.08	46.33	-45.15	56.07	14067	71.03	14.96	NA	NA	Hayworth and Weathers 1984
Amadina fasciata	Estrildidae	17.2	31	38		7	-4.59	15.41	42.82	-3.52	52.41	2131	30.80	0.00	1500	0	Marschall and Prinzinger 1991
Erythrura gouldiae	Estrildidae	15.5	31.7	38		6.3	-15.42	133.42	39.04	11.68	5.82	84	18.33	12.51	NA	NA	Burton and Weathers 2003
Estrilda melpoda	Estrildidae	7.5	35	43	2	8	10.42	-6.33	42.12	8.08	43.55	1907	32.20	0.00	NA	NA	Marshall and Prinzinger 1991
Estrilda troglodytes	Estrildidae	6.4	36	38		2	9.08	10.70	42.12	5.63	18.40	1185	18.46	0.00	NA	NA	Cade et al 1965, Weathers and Nagy 1984
Lonchura cucullata	Estrildidae	10.6	33	38	2	5	-9.22	13.87	40.87	-3.52	49.9	4244	34.17	0.00	2200	750	Lovergrove and Smith 2003
Lonchura fuscans	Estrildidae	9.5	30	39		9	1.59	113.63	32.67	16.97	11.39	355	7.28	0.00	500	0	Weathers 1977
Padda oryzivora	Estrildidae	24.9	31	42	2	11	-7.34	110.44	34.37	13.73	2.67	82	8.68	6.01	1500	0	Marshal and Prinzinger 1991
Taeniopygia guttata	Estrildidae	11.7	30	38	2	8	-22.39	133.26	41.61	-1.54	30.47	2754	37.62	7.15	2300	0	Calder 1964, Marshall and Prinzinger 1991
Carpodacus mexicanus	Fringillidae	20.4	22	33	1a	11	33.89	-93.15	41.81	-20.84	33.97	3452	50.88	16.90	2000	0	Weathers 1981, Dawson *et al*., 1985
Lanius collaris	Laniidae	43.8	25	35		10	-9.26	14.66	41.27	-3.58	51.53	3509	35.02	0.00	3350	0	Soobramoney *et al* ., 2003
Malurus cyaneus	Maluridae	8.2	26	35		9	-33.07	144.46	35.18	-3.30	20.80	618	43.47	22.67	NA	NA	Lill *et al*., 2006, Weathers and Stiles 1989
Manacus vitellinus	Maluridae	15.5	26	32	2	6	5.96	-78.89	34.23	13.97	7.23	85	9.57	2.34	1200	0	Bartholomew *et al* ., 1983
Eremiornis carteri	Megaluridae	12.3	30	39		9	-21.73	130.28	41.61	2.40	9.92	867	26.69	16.77	NA	NA	Ambrose *et al* ., 1996
Lichenostomus virescens	Meliphagidae	25	33	39		6	-24.96	133.18	41.61	-3.30	27.97	3108	38.94	10.98	NA	NA	Collins *et al* ., 1980

Lichmera indistincta	Meliphagidae	10.1	30	39	1b	9	-20.14	133.32	41.61	-0.45	29.77	2342	35.02	5.25	NA	NA	Vittali *et al.,* 1999, Collins *et al.,* 1980
Aethopyga christinae	Nectariniidae	5.2	25	32	2	7	21.69	111.52	34.91	-15.76	22.70	822	33.04	10.34	1400	0	Prinzinger *et al* ., 1989
Anthreptes collaris	Nectariniidae	8.3	25	28	2	3	-9.60	14.45	41.56	-3.49	49.13	4134	34.17	0.00	2600	0	Prinzinger *et al* ., 1989
Anthreptes orientalis	Nectariniidae	11.8	25	32	2	7	1.21	39.35	41.56	3.70	20.55	928	11.49	0.00	NA	NA	Prinzinger *et al* ., 1989
Nectarinia amethystina	Nectariniidae	10	25	30	2	5	-15.18	27.98	39.95	-3.52	38.83	1945	34.60	0.00	NA	NA	Prinzinger et al., 1989, Seavy 2006
Nectarinia bifasciata	Nectariniidae	6.2	24	27	2	3	-11.20	27.33	40.37	4.10	40.02	1265	31.22	0.00	NA	NA	Prinzinger et al., 1989, Seavy 2006
Nectarinia cuprea	Nectariniidae	7.1	31	35		4	-1.50	10.85	41.18	4.10	36.8	3575	19.90	0.00	NA	NA	Lübben 1986, Seavy 2006
Nectarinia kilimensis	Nectariniidae	16.2	25	32	2	7	-8.98	26.34	34.72	4.35	22.63	380	20.29	0.00	235	1	Seavy 2006, Prinzinger et al., 1989
Nectarinia senegalensis	Nectariniidae	13.7	30	35	2	5	-7.56	12.97	41.57	-3.52	48.15	4360	31.64	0.00	NA	NA	Seavy 2006
Nectarinia tacazze	Nectariniidae	13.5	25	31		6	5.62	37.56	38.15	3.16	20.22	269	15.74	0.00	4200	1800	Prinzinger et al., 1989, Lübben1986, Seavy 2006
Astrapia stephaniae	Paradisaeidae	148.2	26	31	1a	5	-7.54	146.29	32.10	7.24	5.34	53	10.21	4.87	3500	1280	McNab 2005
Cicinnurus magnificus	Paradisaeidae	82.3	20	33	1a	13	-5.07	139.99	32.65	6.93	9.51	148	9.83	0.31	1780	0	McNab 2005
Cicinnurus regius	Paradisaeidae	54	20	33	1a	13	-5.45	140.33	32.73	9.33	10.28	338	10.59	0.31	950	0	McNab 2005
Epimachus meyeri	Paradisaeidae	202.7	18	33	1a	15	-6.59	142.47	31.48	6.58	7.24	109	10.21	2.97	3200	1500	McNab 2005
Lophorina superba	Paradisaeidae	74.6	19	32	1a	13	-5.45	141.35	32.10	6.58	9.52	147	10.21	0.69	2300	1	McNab 2005
Manucodia chalybatus	Paradisaeidae	177.2	20	30		10	-5.45	140.34	32.10	6.93	10.28	106	10.59	0.31	1700	0	McNab 2005
Manucodia keraudrenii	Paradisaeidae	170.7	25	29	1a	4	-6.99	140.82	34.26	6.93	13.35	425	13.67	0.31	2000	900	McNab 2005
Paradisaea raggiana	Paradisaeidae	215.7	16	33	1a	17	-7.73	146.03	32.49	7.24	5.72	144	10.59	4.87	1500	0	McNab 2005
Paradisaea rudolphi	Paradisaeidae	156.1	17	33	1a	16	-7.16	145.40	32.10	6.58	4.57	57	9.44	4.87	2000	1100	McNab 2005
Parotia lawesii	Paradisaeidae	144.9	17	30	1a	13	-7.35	145.40	32.10	6.58	4.96	61	9.83	4.87	2300	500	McNab 2005
Parotia wahnesi	Paradisaeidae	164.2	22	30	1a	8	-5.63	146.49	30.41	9.33	2.28	16	6.77	4.49	1700	1100	McNab 2005
Ptiloris magnificus	Paradisaeidae	179.4	22	31	1a	9	-6.99	140.59	34.26	7.66	13.35	369	13.67	0.31	1450	0	McNab 2005
Parus atricapillus	Paridae	10.3	25	32		7	50.09	-107.11	35.34	-34.40	31.54	3976	65.86	34.32	3200	0	Rising and Hudson 1974
Passer domesticus	Passeridae	23	20	35		15	43.57	0.02	45.55	-3.58	69.77	27875	34.74	35.02	NA	NA	Hudson and Kimzey 1966
Pipra mentalis	Pipridae	12.3	26	32	2	6	8.56	-86.37	36.26	4.47	25.32	359	21.22	0.00	750	0	Bartholomew *et al* ., 1983
Sitta canadensis	Sittidae	11.2	28	38		10	41.04	-103.56	41.81	-33.57	44.37	5388	63.22	18.86	3075	275	Mugaas and Templeton 1970
Onychognathus morio	Sturnidae	128	15	30	1a	15	-8.87	14.29	42.17	-3.58	52.31	2478	35.02	0.00	4000	0	Chamane and Downs 2009
Onychognathus tristramii	Sturnidae	123	21.5	36.5	1a	15	23.23	44.42	42.21	1.30	19.63	323	33.04	13.41	NA	NA	Dmi'el and Tel-Tzur 1985
Acridotheres cristatellus	Sturnidae	117.7	25	32.5	1a	7.5	19.01	65.53	34.91	-17.99	40.16	1509	39.10	0.00	NA	NA	Lin *et al* ., 2010
Hylophylax naevioides	Thamnophilidae	16.1	30	34		4	6.58	-80.36	34.87	4.31	19.09	240	16.12	0.00	1100	0	Wiersma et al., 2007, Steiger et al., 2009
Cyanerpes cyaneus	Thraupidae	13.5	25	35		10	-0.13	-66.94	36.80	2.33	46.67	3855	23.47	0.00	2000	0	Wiersma et al., 2007, Mata 2010
Sporophila corvina	Thraupidae	11	28.9	39.2		10.3	6.60	-86.44	35.47	2.95	22.94	325	18.07	0.00	1500	0	Weathers 1997
Thryothorus ludovicianus	Troglodytidae	14.9	27	35		8	29.07	-85.79	38.36	-15.49	32.85	1476	45.50	12.64	2000	0	Eberhardt 1994
Zosterops lateralis	Zosteropidae	11.8	29	36.5	1a	7.5	-32.25	0.04	38.33	-4.38	41.01	1391	52.76	11.74	NA	NA	Maddocks and Gieser 1997, Weathers and Sttiles 1989
	Piciformes																
Trachyphonus darnaudii	Lybiidae	36.6	35	38	1a	3	-0.13	38.28	41.56	3.79	16.34	729	8.30	0.00	2000	180	McNab 2001
Aulacorhynchus prasinus	Ramphastidae	174.7	23	34	1a	11	1.25	-82.23	37.26	-10.02	39.94	689	21.22	0.00	NA	NA	McNab 2001
Aulacorhynchus sulcatus	Ramphastidae	131.7	23	31		8	9.20	-67.85	34.59	6.81	3.82	71	11.11	7.28	2000	300	McNab 2001
Pteroglossus aracari	Ramphastidae	200.7	29	35	1a	6	-8.60	-50.78	36.06	5.39	38.63	1528	27.92	0.00	1000	0	McNab 2001
Pteroglossus bailloni	Ramphastidae	133	19	34	1a	15	-20.98	-47.96	32.56	4.35	13.86	336	27.92	14.05	1550	0	McNab 2001
Ramphastos dicolorus	Ramphastidae	328.9	20	34	1a	14	-23.97	-49.66	34.73	4.35	12.84	635	30.39	17.55	2070	100	McNab 2001
Ramphastos toco	Ramphastidae	582	17	34	1a	17	-11.34	-55.52	35.91	1.85	37.25	1948	29.97	0.00	1750	0	McNab 2001
Ramphastos tucanus	Ramphastidae	420.3	25	35	1a	10	-3.80	-60.78	36.08	-5.05	29.05	3111	18.33	0.00	1440	0	McNab 2001
Selenidera maculirostris	Ramphastidae	130.5	24	34	1a	10	-22.22	-47.45	32.40	4.35	16.33	447	30.39	14.05	NA	NA	McNab 2001
	Psittaciformes																
Cacatua roseicapilla	Cacatuidae	271	22	33		11	-27.22	133.32	41.61	-3.30	32.49	3278	43.47	10.98	NA	NA	Dawson and Fisher 1982, Williams *et al.,* 1991
Nestor meridionalis	Nestoridae	369.3	15	26	2	11	-41.14	172.34	24.70	-3.64	12.22	112	47.25	35.02	NA	NA	McNab and Salisbury 1995
Nestor notabilis	Nestoridae	836.9	5	28		23	-43.51	170.27	22.00	-3.64	5.56	59	46.29	40.73	2000	600	McNab and Salisbury 1995
Agapornis fischeri	Psittacidae	56.7	27.3	34	2	6.7	-2.21	33.72	32.60	4.35	4.80	121	4.87	0.00	2200	1100	Burton *et al* ., 2008
Agapornis nigrigenis	Psittacidae	41.37	32	35	2	3	-16.97	25.63	35.37	4.39	1.95	18	17.94	15.99	NA	NA	Burton *et al* ., 2008
Agapornis personatus	Psittacidae	46.77	28	34	2	6	-5.63	35.14	32.76	7.86	6.09	106	8.68	2.59	1800	1100	Burton *et al* ., 2008
Agapornis roseicollis	Psittacidae	53.53	27.5	30.5	2	3	-20.28	18.20	36.38	-0.98	19.38	264	29.97	10.59	1500	0	Burton *et al* ., 2008
Amazona viridigenalis	Psittacidae	341	26.5	35	1a	8.5	23.03	-98.52	37.40	4.13	5.99	54	26.02	20.04	1200	0	Bucher 1985
Bolborhynchus lineola	Psittacidae	55.7	28	32		4	3.18	-83.82	35.62	-6.37	32.92	249	19.64	0.00	3300	600	Bucher 1981
Cyanoramphus auriceps	Psittacidae	52.9	22	37	1a	15	-41.35	171.95	23.91	-4.38	11.79	73	47.25	35.45	NA	NA	McNab and Salisbury 1995
Cyanoramphus novaezelandiae	Psittacidae	56.1	22	37	1a	15	-39.93	0.04	24.70	-4.38	21.56	171	50.70	29.15	NA	NA	McNab and Salisbury 1995
Cyanoramphus unicolor	Psittacidae	129.4	18	35	1a	17	-49.70	178.87	24.70	-4.38	0.00	1	49.70	49.70	NA	NA	McNab and Salisbury 1995
Melopsittacus undulatus	Psittacidae	33.7	29	41		12	-26.06	132.06	41.61	-1.61	24.01	2506	38.06	14.05	NA	NA	Weathers and Schoenbaechler 1976; Buttemer *et al* ., 1986
Myiopsitta monachus	Psittacidae	80.4	24.5	38.5		14	39.26	-1.47	32.84	-4.89	23.23	43	50.88	27.65	1000	0	Weathers and Caccamise 1975
Neophema pulchella	Psittacidae	40	28.3	32		3.7	-31.97	148.58	35.47	-1.61	12.18	275	38.06	25.88	NA	NA	Prinzinger and Hänssler 1980, Burton *et al.,* 2008
Neophema splendida	Psittacidae	40.86	26	29		3	-30.45	131.52	38.70	2.36	9.14	192	35.02	25.88	NA	NA	Burton *et al* ., 2008
	Tinamiformes																
Nothoprocta perdicaria	Tinamidae	458	10	28	2	18	-34.98	-72.18	29.81	-8.06	13.31	88	41.63	28.32	NA	NA	Withers *et al* ., 1987
	Sphenisciformes																
Eudyptula minor	Spheniscidae	1059.3	16	25		9	-43.93	-176.55	22.90	-0.96	3.19	7	43.28	40.46	NA	NA	Richman and Lovvorn 2011
	Strigiformes																
Otus leucotis	Pycnonotidae	221.1	20	32		12	-6.38	17.06	42.85	-3.58	49.68	7032	31.22	0.00	1600	0	Smit *et al* ., 2008
Aegolius funereus	Strigidae	130	10	25	2	15	53.57	88.09	35.89	-53.55	33.33	7558	70.23	36.90	NA	NA	Hohtola 1994
Bubo virginianus	Strigidae	1000	20.3	32.2		11.9	6.37	-107.35	41.81	-36.10	124.66	11955	68.70	0.00	4500	0	Ganey *et al* ., 1993
Glaucidium gnoma	Strigidae	52	27	34	1b	7	45.51	-121.11	41.49	-26.63	25.78	744	58.40	32.62	NA	NA	Ligon 1968
Megascops asio	Strigidae	141.5	26	34		8	35.74	-91.24	38.36	-24.28	28.25	2198	49.87	21.62	1500	0	Ligon 1969
Megascops trichopsis	Strigidae	119	27	35		8	22.21	-98.33	39.38	-5.41	19.14	385	31.78	12.64	2500	750	Ligon 1969
Strix aluco	Strigidae	419	16	35	2	19	42.21	60.83	46.33	-27.93	45.93	6808	65.18	19.25	4250	0	Bech and Præsteng 2004
Strix occidentalis	Strigidae	571	17	25.2		8.2	35.51	-112.49	41.49	-20.84	31.74	768	51.39	19.64	2700	0	Ganey *et al.,* 1993
Tyto alba	Tytonidae	533.2	22.5	32.5		10	1.48	0.04	46.15	-20.72	112.69	16984	57.83	0.00	4000	0	Edwards 1987
	Struthioniformes																
Apteryx australis	Apterygidae	3137	10	30	1b	20	-45.59	167.46	20.53	-3.14	3.32	16	47.25	43.93	NA	NA	McNab 1996
Apteryx haastii	Apterygidae	2529	5	30	1b	25	-42.34	171.04	22.00	-3.64	4.12	33	44.40	40.28	NA	NA	McNab 1996
Apteryx owenii	Apterygidae	1377	6	29	1b	23	-38.53	175.14	24.20	3.00	5.30	5	41.18	35.88	NA	NA	McNab 1996
	Turniciformes																
Turnix suscitator	Turnicidae	58.1	33	39	1b	6	12.84	99.73	42.89	-17.49	43.8	2910	34.74	0.00	2500	0	Prinzinger *et al* ., 1993

Mammals

Species	Taxon	Body Mass (g)	LCT (°C)	UCT (°C)	Note on UCT*	TNZ (°C)	Latitudinal center (°N)	Longitudinal center (°W)	Maximum temperature	Minimum temperature	Latitudinal range	Range size (Grid #)	Latitudinal maximum (°)†	Latitudinal minimum (°)†	Elevation maximum (meters)	Elevation minimum (meters)	References
	Afrosoricida																
Setifer setosus	Tenrecidae	530	28	33	1b	5	-18.80	46.89	35.80	5.18	13.35	276	25.48	12.13	NA	NA	McNab 1980
	Aotidae																
Aotus trivirgatus	Primates	1020	28	30		2	2.16	-61.58	36.05	14.71	11.01	359	7.66	0.00	NA	NA	Le-Maho *et al* ., 1981
	Artiodactyla																
Kobus ellipsiprymnus	Bovidae	100000	13	37	1a	24	-6.31	14.49	41.77	1.24	44.85	3977	28.74	0.00	NA	NA	Taylor *et al* ., 1969
Madoqua kirkii	Bovidae	4600	25	35	1a	10	-10.77	27.41	39.12	1.63	26.99	653	24.27	0.00	NA	NA	Maskrey and Hoppe, 1979
Philantomba monticola	Bovidae	4400	26	32	1a	6	-12.49	24.27	38.90	-2.42	43.36	2823	34.17	0.00	NA	NA	Haim and Skinner, 1991
Raphicerus campestris	Bovidae	8500	30	33	1a	3	-16.89	26.08	37.02	-3.58	35.42	1796	34.60	0.00	NA	NA	Haim and Skinner, 1991
Sus scrofa	Suidae	48000	4	22	1b	18	26.34	65.96	46.33	-40.68	70.03	12622	61.35	0.00	NA	NA	Huynh *et al* ., 2005
Pecari tajacu	Tayassuidae	20000	28	35		7	0.07	-74.73	41.28	-10.39	70.19	6839	35.17	0.00	NA	NA	Zervanos 1975
Tragulus javanicus	Tragulidae	1618	26.6	29		2.4	-7.34	110.44	34.37	13.73	2.67	77	8.68	6.01	NA	NA	Whittow *et al.,* 1977
	Carnivora																
Canis mesomelas	Canidae	7720	22	26		4	-8.07	31.62	42.44	-3.58	53.06	2795	34.60	0.00	NA	NA	Downs *et al* ., 1991
Canis latrans	Canidae	10000	22	26		4	39.54	-117.84	41.81	-38.78	62.98	7310	71.03	8.05	NA	NA	Golightly and Ohmart 1983
Vulpes macrotis	Canidae	1868	22	33		11	33.25	-111.23	41.81	-20.79	21.68	872	44.09	22.41	NA	NA	Golightly and Ohmart 1983
Cerdocyon thous	Canidae	5444	25	37	1b	12	-11.17	-56.24	36.08	4.31	46.85	3254	34.60	0.00	NA	NA	Henneman *et al* ., 1983
Canis lupus	Canidae	18066.67	10	32.5	2	22.5	47.25	0.21	46.33	-53.55	71.51	22613	83.00	11.49	NA	NA	Irving *et al* ., 1995
Vulpes zerda	Canidae	1106	23.4	32		8.6	23.85	9.37	48.73	-0.28	20.09	3652	33.89	13.80	NA	NA	Noll-Banholzer 1979

Fossa fossana	Eupleridae	2260	26	34		8	-18.79	48.50	33.00	7.30	12.56	85	25.07	12.51	NA	NA	McNab 1995
Leptailurus serval	Felidae	10100	15	30	2	15	0.93	15.01	42.47	-3.58	71.06	5540	36.47	0.00	NA	NA	Downs *et al.*, 1991
Galerella sanguinea	Herpestidae	540	26	31		5	-6.60	17.05	42.47	-3.52	50.91	7032	32.06	0.00	NA	NA	Kamau *et al* ., 1979
Suricata suricatta	Herpestidae	850	30	33		3	-24.89	21.19	37.02	-3.58	18.57	791	34.17	15.60	NA	NA	Müller and Lojewski 1986
Eira barbara	Mustelidae	2950	26	35	1a	9	-4.47	-72.40	39.53	-9.35	58.55	5754	33.74	0.00	NA	NA	McNab 1995
Martes americana	Mustelidae	1038	26	35	2	9	52.74	-107.81	36.50	-37.79	33.42	3497	69.46	36.03	NA	NA	Worthen and Kilgore 1981
Nasua nasua	Procyonidae	4000	25	33		8	-11.45	-58.86	36.06	0.34	42.05	4491	32.48	0.00	NA	NA	Mugaas et al. 1993
Nasua narica	Procyonidae	5554	25	35	1a	10	19.52	-93.81	41.28	-11.28	31.31	1145	35.17	3.86	NA	NA	Chevillard-Hugot *et al* ., 1979
Potos flavus	Procyonidae	2400	23	30		7	0.27	-68.77	39.53	-12.45	46.67	5392	23.61	0.00	NA	NA	Müller *et al* ., 1983
Ailurus fulgens	Ursidae	5740	25	36		11	27.75	94.14	32.44	-22.15	12.27	374	33.89	21.62	NA	NA	McNab 1988
Genetta tigrina	Viverridae	1732	26	35	1a	9	-32.08	24.24	34.28	-3.49	5.04	122	34.60	29.56	NA	NA	Henneman and Konecy 1980
Nandinia binotata	Viverridae	4270	27	34		7	-3.44	11.37	40.43	4.35	34.48	2679	20.69	0.00	NA	NA	McNab 1995
Arctictis binturong	Viverridae	14280	27	36	1a	9	10.48	104.19	37.83	-20.70	36.79	1591	28.88	0.00	NA	NA	McNab 1995
Arctogalidia trivirgata	Viverridae	2010	19	38	1a	19	10.64	105.41	38.26	-6.97	34.82	1335	28.06	0.00	NA	NA	McNab 1995
Paradoxurus hermaphroditus	Viverridae	3160	27	36	1b	9	11.42	101.46	42.89	-21.25	43.25	3529	33.04	0.00	NA	NA	McNab 1995
	Chiroptera																
Saccopteryx bilineata	Emballonuridae	8.2	30	35		5	0.27	-70.34	39.53	-0.92	46.67	5394	23.61	0.00	NA	NA	Genoud and Bonaccorso 1986
Peropteryx macrotis	Emballonuridae	5.1	30.5	37	1a	6.5	-2.54	-65.97	36.80	-3.01	48.3	5402	26.69	0.00	NA	NA	Genoud *et al* ., 1990
Rhinonicteris aurantia	Hipposideridae	8.27	32.5	37.5		5	-17.02	127.00	41.61	7.85	12.10	382	23.07	10.98	NA	NA	Baudinette *et al* ., 2000
Hipposideros maggietaylorae	Hipposideridae	18.2	30	34	1a	4	-5.26	141.77	32.73	9.33	10.53	217	10.59	0.00	NA	NA	Bonaccorso and McNab 2003
Hipposideros diadema	Hipposideridae	37.2	29	34	1a	5	0.07	127.19	37.80	6.58	37.57	1935	18.86	0.00	NA	NA	Bonaccorso and McNab 2003
Hipposideros galeritus	Hipposideridae	8.5	29	32		3	9.26	98.84	42.55	7.17	34.34	1210	26.43	0.00	NA	NA	McNab 1989
Macroderma gigas	Megadermatidae	107	30	35		5	-17.62	133.21	41.61	6.79	13.30	572	24.27	10.98	NA	NA	Baudinette *et al.*, 2000, Leitner and Nelson 1966
Molossus molossus	Molossidae	15.6	32	36		4	-2.87	-70.06	39.53	-12.45	64.31	6760	35.02	0.00	NA	NA	McNab 1969
Tadarida brasiliensis	Molossidae	16.9	26.3	32.7		6.4	1.23	-81.22	41.81	-20.84	85.72	6186	44.09	0.00	NA	NA	Soriano *et al* ., 2002
Mormoops megalophylla	Mormoopidae	16.5	33.5	39.5	2	6	13.14	-88.04	39.53	-8.01	39.81	1754	33.04	0.00	NA	NA	Bonaccorso *et al* ., 1992
Pteronotus davyi	Mormoopidae	9.4	34.5	43	2	8.5	11.08	-80.03	39.53	-0.29	37.23	1706	29.70	0.00	NA	NA	Bonaccorso *et al* ., 1992
Pteronotus parnellii	Mormoopidae	19.2	34	40.5	2	6.5	6.45	-73.15	39.53	-12.45	45.66	3901	29.29	0.00	NA	NA	Bonaccorso *et al* ., 1992
Pteronotus personatus	Mormoopidae	14	34	38.5	2	4.5	5.43	-72.11	39.53	-12.08	43.61	2283	27.24	0.00	NA	NA	Bonaccorso *et al* ., 1992
Chrotopterus auritus	Mormoopidae	96.1	28	34	1b	6	-5.01	-65.70	36.80	-12.45	53.25	5601	31.64	0.00	NA	NA	McNab 1969
Pteronotus quadridens	Mormoopidae	4.9	30	38		8	20.44	-75.37	34.45	8.25	5.52	134	23.21	17.68	NA	NA	Rodríguez-Durán 1995
Mormoops blainvillei	Mormoopidae	8.6	30	36	1b	6	20.44	-75.37	34.45	8.25	5.52	134	23.21	17.68	NA	NA	Rodríguez-Durán 1995
Natalus tumidirostris	Natalidae	5.4	28	35		7	6.73	-64.86	36.08	4.31	11.06	742	12.26	1.20	NA	NA	Genoud *et al* ., 1990
Diaemus youngi	Natalidae	36.6	25	30	1b	5	-3.19	-67.22	36.80	-12.45	54.39	5546	30.39	0.00	NA	NA	McNab 1969
Desmodus rotundus	Natalidae	29.4	29	37.5	1b	8.5	-7.48	-72.70	39.53	-12.53	71.06	7463	43.01	0.00	NA	NA	McNab 1969
Noctilio albiventris	Noctilionidae	27	32	38	1a	6	-6.74	-64.15	36.80	-12.45	47.28	5438	30.39	0.00	NA	NA	McNab 1969
Noctilio leporinus	Noctilionidae	61	28	38		10	-2.81	-71.97	39.53	-7.62	57.65	6298	31.64	0.00	NA	NA	McNab 1969
Glossophaga longirostris	Phyllostomidae	13.5	31.5	36	1a	4.5	6.93	-67.91	36.08	4.31	12.97	740	13.41	0.44	NA	NA	Arends *et al* ., 1995
Leptonycteris curasoae	Phyllostomidae	24	27	35	2	8	7.68	-68.42	36.05	4.31	9.92	403	12.64	2.72	NA	NA	Arends *et al* ., 1995
Leptonycteris yerbabuenae	Phyllostomidae	44	35.5	38	2	2.5	23.44	-100.81	40.79	-8.33	20.05	622	33.47	13.41	NA	NA	Arends *et al* ., 1995
Glossophaga soricina	Phyllostomidae	9.6	31.4	35.2		3.8	-0.97	-72.87	39.53	-12.45	61.33	6360	31.64	0.00	NA	NA	Cruz-Neto and Abe 1997
Phyllostomus elongatus	Phyllostomidae	35.6	25	36	2	11	-6.57	-56.29	36.08	-12.45	34.59	4439	23.87	0.00	NA	NA	McNab 1969
Uroderma bilobatum	Phyllostomidae	16.2	30	35		5	-3.11	-65.11	36.80	-12.45	44.72	5435	25.48	0.00	NA	NA	McNab 1969
Tonatia bidens	Phyllostomidae	27.4	28	35		7	-16.17	-51.86	36.01	-12.22	21.85	1610	27.10	5.25	NA	NA	McNab 1969
Artibeus concolor	Phyllostomidae	19.7	29	38	2	9	-1.47	-54.97	36.08	13.48	22.85	2732	12.90	0.00	NA	NA	McNab 1969
Rhinophylla pumilio	Phyllostomidae	9.5	30	35		5	-4.58	-57.08	36.08	-12.45	29.84	3542	19.51	0.00	NA	NA	McNab 1969
Phyllostomus hastatus	Phyllostomidae	84.2	25	35		10	-3.88	-62.02	36.08	-12.45	40.78	5323	24.27	0.00	NA	NA	McNab 1969
Artibeus lituratus	Phyllostomidae	70.1	25	36		11	-1.57	-72.11	39.53	-12.45	55.98	6062	29.56	0.00	NA	NA	McNab 1969
Phyllostomus discolor	Phyllostomidae	33.5	25	37		12	-2.52	-65.83	36.80	-3.22	44.31	5297	24.67	0.00	NA	NA	McNab 1969
Carollia perspicillata	Phyllostomidae	14.9	29	35		6	-4.18	-66.57	36.80	-12.08	51.58	5861	29.97	0.00	NA	NA	McNab 1969
Artibeus jamaicensis	Phyllostomidae	45.2	25	35		10	8.62	-83.60	39.53	1.85	30.77	1036	24.01	0.00	NA	NA	McNab 1969
Sturnira lilium	Phyllostomidae	21.9	30	35.5	1b	5.5	-2.03	-72.78	39.53	-12.45	64.28	6548	34.17	0.00	NA	NA	McNab 1969
Diphylla ecaudata	Phyllostomidae	27.8	26	30		4	0.90	-68.85	38.36	-12.45	59.26	3597	30.53	0.00	NA	NA	McNab 1969
Anoura caudifer	Phyllostomidae	11.5	26	35		9	-9.27	-58.79	36.08	-12.45	43.06	3836	30.80	0.00	NA	NA	McNab 1969
Choeroniscus periosus	Phyllostomidae	15	28.2	37.7		9.5	3.48	-78.04	32.52	9.05	6.08	50	6.52	0.44	NA	NA	McNab 1969
Monophyllus redmani	Phyllostomidae	8.7	31	35	1b	4	20.44	-75.37	34.45	8.25	5.52	139	23.21	17.68	NA	NA	Rodríguez-Durán 1995
Erophylla bombifrons	Phyllostomidae	16.1	30	33	1b	3	18.86	-70.14	34.45	8.25	2.35	58	20.04	17.68	NA	NA	Rodríguez-Durán 1995
Anoura latidens	Phyllostomidae	13.6	34.7	36.2	1a	1.5	-0.32	-69.61	36.05	-6.66	22.84	437	11.74	0.00	NA	NA	Soriano *et al* ., 2002
Sturnira erythromos	Phyllostomidae	15.9	25.5	32.5		7	-8.03	-70.54	36.08	-12.45	40.58	1210	28.32	0.00	NA	NA	Soriano *et al* ., 2002
Macroglossus minimus	Pteropodidae	16.3	30.9	33	1a	2.1	0.07	128.76	38.59	6.58	36.79	2114	18.46	0.00	NA	NA	Bartels *et al* ., 1998
Pteropus scapulatus	Pteropodidae	440	24	35		11	-23.12	133.46	41.02	-3.30	28.13	1427	37.19	9.06	NA	NA	Bartholomew *et al* ., 1964
Pteropus poliocephalus	Pteropodidae	825	15	35	1a	20	-31.41	148.06	33.20	-2.28	15.07	176	38.94	23.87	NA	NA	Bartholomew *et al* ., 1964
Dobsonia minor	Pteropodidae	73.7	27.5	35	1b	7.5	-5.45	140.87	32.73	7.66	10.28	373	10.59	0.31	NA	NA	McNab and Bonaccorso 2001
Melonycteris melanops	Pteropodidae	53.3	28	33	1a	5	-4.30	150.13	30.90	18.38	4.18	44	6.39	2.21	NA	NA	Bonaccorso and McNab 1997
Syconycteris australis	Pteropodidae	17.8	29.5	33	1a	3.5	-16.63	140.18	35.33	3.87	33.26	638	33.32	0.00	NA	NA	Geiser *et al* ., 1996
Eonycteris spelaea	Pteropodidae	51.6	26	32.5		6.5	9.95	101.73	39.36	-16.69	40.32	1906	30.11	0.00	NA	NA	McNab 1989
Cynopterus brachyotis	Pteropodidae	37.4	30	37		7	12.59	96.63	40.90	-18.15	33.39	1362	29.29	0.00	NA	NA	McNab 1989
Pteropus rodricensis	Pteropodidae	254.5	24	35.5	1b	11.5	-19.90	63.42	29.00	18.30	0.00	1	19.90	19.90	NA	NA	McNab and Armstrong 2001
Dobsonia praedatrix	Pteropodidae	179.5	26	33		7	-4.30	150.42	30.90	18.38	4.18	43	6.39	2.21	NA	NA	McNab and Bonaccorso 2001
Dobsonia anderseni	Pteropodidae	241.4	28	34		6	-3.92	150.10	31.25	18.38	4.94	49	6.39	1.45	NA	NA	McNab and Bonaccorso 2001
Nyctimene albiventer	Pteropodidae	30.9	28	34		6	-3.94	140.17	32.73	7.66	13.31	473	10.59	0.00	NA	NA	McNab and Bonaccorso 2001
Histiotus velatus	Vesperitilionidae	11.2	25	31		7	-19.43	-53.16	35.62	-6.22	26.09	1203	32.48	6.39	NA	NA	McNab 1969
Miniopterus schreibersii	Vespertilionidae	10.91	32.5	37.5		5	26.81	18.59	41.87	-15.47	45.13	1858	49.37	4.24	NA	NA	Baudinette *et al* ., 2000
Lasiurus cinereus	Vespertilionidae	27.5	30	34		4	12.11	-100.71	41.81	-40.03	107.49	9213	65.86	0.00	NA	NA	Cryan and Wolf 2003
Myotis thysanodes	Vespertilionidae	6	32.5	34.5	1a	2	34.21	-109.23	41.81	-20.84	35.38	1535	51.90	16.51	NA	NA	O'Farrell and Studier 1970
Nyctophilus gouldi	Vespertilionidae	10	30.7	32.5	2	1.8	-27.66	134.33	35.53	-3.30	22.56	501	38.94	16.38	NA	NA	Geiser and Brigham 2000
Chalinolobus gouldii	Vespertilionidae	17.5	35	40	1a	5	-27.22	140.59	41.61	-3.30	32.49	3142	43.47	10.98	NA	NA	Hosken and Withers 1997
Myotis keaysi	Vespertilionidae	5	29.2	33.4	1a	4.2	-1.75	-80.01	36.80	-12.45	51.51	1565	27.51	0.00	NA	NA	Machado and Soriano 2007
Myotis oxyotus	Vespertilionidae	4.8	25.2	32.5		7.3	-4.61	-72.74	36.08	-12.45	33.73	1248	21.48	0.00	NA	NA	Machado and Soriano 2007
Myotis lucifugus	Vespertilionidae	9.5	32.5	34.5	1a	2	48.68	-109.12	41.19	-35.65	37.14	5234	67.25	30.11	NA	NA	Machado and Soriano 2007
Vespadelus vulturnus	Vespertilionidae	4	27.6	33.3		5.7	-34.07	145.80	37.08	-3.30	18.79	645	43.47	24.67	NA	NA	Willis *et al* ., 2005
	Cingulata																
Chaetophractus nationi	Dasypodidae	2150	29	35		6	-20.56	-67.67	27.90	-12.53	11.46	198	26.29	14.83	NA	NA	McNab 1980
Chaetophractus vellerosus	Dasypodidae	1110	30	35		5	-28.27	-63.02	36.43	-6.89	22.23	608	39.39	17.16	NA	NA	McNab 1980
Dasypus novemcinctus	Dasypodidae	3320	28	38	2	10	2.93	-71.76	39.53	-17.57	75.9	7754	40.88	0.00	NA	NA	McNab 1980
Euphractus sexcinctus	Dasypodidae	8190	26	37	2	11	-16.15	-51.39	36.43	-4.46	37.74	3277	35.02	0.00	NA	NA	McNab 1980
Tolypeutes matacus	Dasypodidae	1160	28	36	2	8	-24.87	-61.08	36.43	-0.52	17.75	549	33.74	15.99	NA	NA	McNab 1980
Zaedyus pichiy	Dasypodidae	1740	28	35	1b	7	-41.21	-66.95	34.35	-12.43	24.13	641	53.28	29.15	NA	NA	McNab 1980
	Dasyuromorphia																
Dasycercus cristicauda	Dasyuridae	86	30	37		7	-25.89	135.76	38.84	4.25	3.24	65	27.51	24.27	NA	NA	Kennedy and Macfarlane 1971
Ningaui yvonnae	Dasyuridae	11.6	32	35	1a	3	-32.31	132.93	36.17	3.18	7.15	200	35.88	28.74	NA	NA	Geiser and Baudinette 1988
Planigale gilesi	Dasyuridae	9.4	28	33	1a	5	-29.65	142.38	38.85	2.36	10.75	434	35.02	24.27	NA	NA	Geiser and Baudinette 1988
Planigale maculata	Dasyuridae	13.1	31	35	1a	4	-22.15	137.94	39.04	-0.35	22.35	629	33.32	10.98	NA	NA	Morton and Lee 1978
Sminthopsis crassicaudata	Dasyuridae	19	31	38	2	7	-29.82	132.06	40.39	0.03	18.25	1803	38.94	20.69	NA	NA	Geiser and Baudinette 1987
Sminthopsis macroura	Dasyuridae	24.8	31.3	34	1a	2.7	-24.89	132.14	41.61	2.15	18.57	1856	34.17	15.60	NA	NA	Song *et al* .,1995
	Didelphimorpha																
Caluromys derbianus	Didelphidae	357	26.36	35		8.64	8.17	-87.37	36.80	1.38	25.31	440	20.82	0.00	NA	NA	McNab 1978
Chironectes minimus	Didelphidae	946	24.5	34	2	9.5	-6.81	-69.57	37.75	-10.02	51.33	2937	32.48	0.00	NA	NA	McNab 1978
Didelphis marsupialis	Didelphidae	1329	25.5	36	2	10.5	2.64	-72.90	36.80	-12.45	41.93	4038	23.61	0.00	NA	NA	McNab 1978
Didelphis virginiana	Didelphidae	3257	22	34		12	29.91	-96.87	39.53	-19.05	39.91	2764	49.87	9.96	NA	NA	McNab 1978
Lutreolina crassicaudata	Didelphidae	812	27	35	1b	8	-14.30	-58.55	35.73	-4.46	49.28	1244	38.94	3.10	NA	NA	McNab 1978
Neotoma lepida	Didelphidae	106	31	35		4	-4.56	-64.77	35.73	4.31	25.2	1792	17.16	0.00	NA	NA	Nelson and Yousaf 1979
Marmosa robinsoni	Didelphidae	122	26	36		10	7.11	-71.78	36.08	4.31	10.30	334	12.26	1.96	NA	NA	McNab 1978
Metachirus nudicaudatus	Didelphidae	336	27.5	36	1b	8.5	-6.52	-63.10	36.06	-12.45	46.07	4481	29.56	0.00	NA	NA	McNab 1978
Monodelphis brevicaudata	Didelphidae	111	28.76	36	1b	7.24	1.97	-58.38	36.05	13.48	11.39	800	7.66	0.00	NA	NA	McNab 1978
Philander opossum	Didelphidae	751	29.5	36		6.5	-0.33	-73.77	36.80	-10.02	39.93	3094	20.29	0.00	NA	NA	McNab 1978
Thylamys elegans	Didelphidae	40.2	27.5	35		7.5	-33.49	-72.05	29.81	-4.18	13.59	97	40.28	26.69	NA	NA	Bozinovic *et al* ., 2005
	Diprotodontia																

Acrobates pygmaeus	Burramyidae	14	34	35.1		1.1	-24.77	147.30	36.25	-3.30	28.35	600	38.94	10.59	NA	NA	Fleming 1985
Cercartetus lepidus	Burramyidae	12	29	33		4	-39.03	142.70	32.40	-0.96	8.87	78	43.47	34.60	NA	NA	Geiser 1987
Cercartetus concinnus	Burramyidae	18.6	28	30	2	2	-34.01	129.47	34.93	2.15	7.24	324	37.62	30.39	NA	NA	Geiser 1987
Lagorchestes conspicillatus	Macropodidae	2660	25	35		5	-15.89	133.11	40.97	5.17	15.95	878	23.87	7.92	NA	NA	Dawson and Bennett 1978
Macropus giganteus	Macropodidae	26200	15	35		20	-27.72	146.72	38.36	-3.30	29.65	1013	42.55	12.90	NA	NA	Dawson and Hulbert 1970; Dawson *et al* ., 2000
Macropus rufus	Macropodidae	32490	25	35		10	-25.74	131.95	41.61	1.33	20.28	2297	35.88	15.60	NA	NA	Dawson and Hulbert 1970; Dawson *et al* ., 2000
Setonix brachyurus	Macropodidae	2674	20	32.5		12.5	-33.54	116.99	31.85	4.24	2.97	23	35.02	32.06	NA	NA	Kinnear and Shield 1975
Dendrolagus matschiei	Macropodidae	6960	27	37		10	-6.20	147.03	30.41	9.33	1.14	13	6.77	5.63	NA	NA	McNab 1988
Petaurus breviceps	Petauridae	128.1	27	31		4	-1.07	136.09	30.58	21.70	0.76	4	1.45	0.69	NA	NA	Fleming 1980; Dawson and Hulbert 1970
Phalanger carmelitae	Phalangeridae	1389.7	12.5	32.5	1b	20	-6.78	143.53	32.32	6.58	6.86	126	10.21	3.35	NA	NA	McNab 2008
Spilocuscus maculatus	Phalangeridae	4250	20.8	35.4	1a	14.6	-7.18	136.83	34.70	6.58	13.74	488	14.05	0.31	NA	NA	Dawson and Degabriele 1973
Phalanger sericeus	Phalangeridae	1353.2	15	30	1b	15	-6.78	143.79	32.20	6.58	6.86	120	10.21	3.35	NA	NA	McNab 2008
Phascolarctos cinereus	Phascolarctidae	4765	20	26		6	-27.66	144.53	37.83	-3.30	22.56	614	38.94	16.38	NA	NA	Degabriele and Dawson 1979
Potorous tridactylus	Potoroidae	1120	20	30		10	-33.64	147.32	31.00	-2.28	18.73	133	43.01	24.27	NA	NA	Nicol 1976
Bettongia gaimardi	Potoroidae	1700	10	20		10	-42.10	147.07	22.90	-0.96	2.74	25	43.47	40.73	NA	NA	Rose 1997
Cercartetus nanus	Pseudocheiridae	70	31	35		4	-35.69	146.73	34.11	-3.30	15.55	245	43.47	27.92	NA	NA	Bartholomew and MacMillen 1961
Pseudocheirus peregrinus	Pseudocheiridae	872	25	32.5		7.5	-27.03	145.28	34.98	-3.30	32.88	517	43.47	10.59	NA	NA	Kinnear and Shield 1975
Cercopithecus mitis	Pseudocheiridae	8500	5	28		23	-10.92	28.94	41.56	-1.56	44.81	1340	33.32	0.00	NA	NA	Müller *et al* ., 1983
Petauroides volans	Pseudocheiridae	1141	18	25		7	-27.25	148.65	36.69	-3.30	22.51	363	38.50	15.99	NA	NA	Rübsamen *et al* ., 1984
Lasiorhinus latifrons	Vombatidae	25000	25	39		14	-32.91	134.52	34.95	3.56	4.22	76	35.02	30.80	NA	NA	Wells 1978
Tarsipes rostratus	Tarsipedidae	10	32	35	1a	3	-33.56	119.30	35.57	4.24	7.90	133	35.02	27.09	NA	NA	Withers et al. 1990
	Erinaceomorpha																
Atelerix albiventris	Erinaceidae	450	30	35	1a	5	0.07	15.00	42.47	4.35	32.89	3099	16.51	0.00	NA	NA	McNab 1980
Erinaceus concolor	Erinaceidae	822.7	27.5	31.5		4	36.64	40.01	43.56	-15.47	13.05	627	43.16	30.11	NA	NA	Krol 1994
	Eulipotyphla																
Crocidura russula	Soricidae	10.4	27.5	35		7.5	40.82	-0.91	41.10	-9.85	26.34	902	53.99	27.65	NA	NA	Sparti 1990
Crocidura suaveolens	Soricidae	6.5	27.5	35		7.5	40.20	54.73	42.83	-38.76	36.38	5452	58.40	22.01	NA	NA	Sparti 1990
	Hyracoidae																
Heterohyrax brucei	Procaviidae	2000	25	35	2	10	-1.53	32.09	42.44	1.62	46.28	2607	24.67	0.00	NA	NA	Bartholomew and Rainey 1971
Procavia capensis	Hyracoidea	2400	27	35		8	0.07	20.14	45.55	-3.58	69.33	6858	34.74	0.00	NA	NA	Rübsamen *et al* ., 1979
	Lagomorpha																
Brachylagus idahoensis	Leporidae	432	17.5	25.5		8	42.62	-116.14	34.07	-17.13	10.56	263	47.90	37.34	NA	NA	Katzner *et al* ., 1997
Lepus alleni	Leporidae	3362	25	35		10	27.74	-109.04	41.28	-1.38	11.45	141	33.47	22.01	NA	NA	Dawson and Schmidt-Nielsen 1966
Sylvilagus audubonii	Leporidae	672.4	28	40		12	33.62	-110.16	41.81	-20.84	29.53	1679	48.39	18.86	NA	NA	Hinds 1973
	Macroscelidae																
Elephantulus edwardii	Macroscelididae	49.8	32.5	36		3.5	-31.26	21.18	34.28	-3.58	6.68	151	34.60	27.92	NA	NA	Leon *et al* ., 1983
Macroscelides proboscideus	Macroscelididae	45	35	38	1b	3	-26.07	19.57	37.02	-3.58	17.05	411	34.60	17.55	NA	NA	Roxburg and Perrin 1994
	Monotremata																
Zaglossus bruijni	Tachyglossidae	10300	18	33	1b	15	-2.21	133.24	31.40	14.37	3.80	61	4.11	0.31	NA	NA	McNab 1984
	Peramelemorpha																
Isoodon obesulus	Peramelidae	1020	25	35	1a	10	-27.03	133.05	33.82	-0.96	32.88	180	43.47	10.59	NA	NA	Larcombe 2002
Macrotis lagotis	Thylacomyidae	1011	27	35		8	-25.70	128.91	40.97	4.16	18.64	510	35.02	16.38	NA	NA	Kinnear and Shield 1975
	Pilosa																
Tamandua tetradactyla	Myrmecophagidae	3500	23	35	1b	12	-10.92	-56.53	36.43	0.59	44.81	5316	33.32	0.00	NA	NA	McNab 1984
	Primates																
Callithrix pygmaea	Cebidae	153	27	34	1a	7	-5.09	-68.49	34.29	8.27	14.85	747	12.51	0.00	NA	NA	Genoud *et al* ., 1997
Saimiri sciureus	Cebidae	850	25	35		10	-3.39	-61.32	36.06	1.22	23.64	1971	15.21	0.00	NA	NA	Stitt and Hardy 1971; Malinow and Wagner 1966
Colobus guereza	Cercopithecidae	10500	5	28		23	5.61	26.38	40.40	3.16	17.92	1408	14.57	0.00	NA	NA	Müller *et al* ., 1983
Macaca fuscata	Cercopithecidae	9550	32.5	35		2.5	35.73	135.51	31.67	-10.47	11.22	139	41.34	30.11	NA	NA	Nakayama *et al* ., 1971
Microcebus murinus	Cheirogaleidae	105	25	28	1a	3	-20.34	45.33	35.80	9.82	9.47	80	25.07	15.60	NA	NA	Aujard *et al* ., 1998
Eulemur fulvus	Lemuridae	2330	30	40	1a	10	-16.21	47.37	35.42	7.85	7.39	56	19.90	12.51	NA	NA	Daniel 1984
Perodicticus potto	Lorisidae	1090	25	29		4	-1.08	12.13	36.58	6.48	20.55	1753	11.36	0.00	NA	NA	Hildwein and Goffart 1975
Nycticebus coucang	Lorisidae	1300	25	33		8	2.16	101.90	34.50	11.74	10.27	338	10.34	0.00	NA	NA	Müller *et al* ., 1983
Nycticebus pygmaeus	Lorisidae	388	27.5	35		7.5	16.97	104.90	35.02	4.30	13.27	259	23.61	10.34	NA	NA	Xiao *et al* ., 2010
Tarsius syrichta	Tarsiidae	125	32	35		3	9.01	124.28	33.26	15.48	7.26	88	12.64	5.38	NA	NA	McNab and Wright 1987
	Rodentia																
Aplodontia rufa	Aplodontidae	630	26.5	35	1b	8.5	43.42	-121.51	33.59	-13.48	13.91	158	50.37	36.47	NA	NA	McNab 1979
Cryptomys hottentotus	Bathyergidae	102	28	32		4	-21.64	25.85	34.92	-3.58	25.92	417	34.60	8.68	NA	NA	Bennett *et al* ., 1994
Cryptomys bocagei	Bathyergidae	94	31.5	32.5		1	-14.27	19.79	35.18	4.25	8.12	342	18.33	10.21	NA	NA	Bennett *et al* ., 1994
Cryptomys mechowi	Bathyergidae	267	29	30		1	-9.09	22.93	36.18	4.25	12.24	655	15.21	2.97	NA	NA	Bennett *et al* ., 1994
Cryptomys damarensis	Bathyergidae	124	27	31		4	-21.95	22.21	36.38	-0.48	11.92	462	27.92	15.99	NA	NA	Lovegrove 1986
Georychus capensis	Bathyergidae	192.6	26.3	34		7.7	-31.67	24.19	34.10	-3.52	5.86	74	34.60	28.74	NA	NA	Lovegrove 1987
Heterocephalus glaber	Bathyergidae	39.2	31	37		6	4.83	43.78	41.56	3.79	14.08	607	11.87	0.00	NA	NA	McNab 1966
Dolichotis salinicola	Caviidae	1613	28	37		9	-25.03	-62.66	36.43	-0.52	15.74	292	32.90	17.16	NA	NA	Arends and McNab 2001
Kerodon rupestris	Caviidae	801	27	36	1a	9	-10.85	-41.01	35.91	9.89	15.75	535	18.72	2.97	NA	NA	Arends and McNab 2001
Hydrochoerus hydrochaeris	Caviidae	26400	22	33	1a	11	-13.42	-56.56	36.08	-10.02	47.52	5215	37.19	0.00	NA	NA	Arends and McNab 2001
Microtus guentheri	Cricetidae	51.3	30	34	1a	4	37.03	30.90	39.88	-11.02	11.34	352	42.70	31.36	NA	NA	Banin *et al* ., 1990, Haim and Izhaki 1993
Microtus californicus	Cricetidae	44	33	40		7	36.90	-119.78	41.10	-9.01	14.39	187	44.09	29.70	NA	NA	Bell *et al* ., 1986
Microtus longicaudus	Cricetidae	26.9	26.5	33.5		7	50.08	-125.28	38.21	-35.96	35.77	1793	67.97	32.20	NA	NA	Beck and Anthony 1971
Phyllotis darwini	Cricetidae	59	27.5	34		6.5	-30.75	-71.46	29.81	-8.84	13.75	93	37.62	23.87	NA	NA	Bozinovic and Rosenmann 1988
Loxodontomys micropus	Cricetidae	62.3	22	33		11	-42.88	-70.69	29.81	-12.43	20.80	259	53.28	32.48	NA	NA	Bozinovic and Rosenmann 1988
Peromyscus maniculatus	Cricetidae	17	29	37		8	40.99	-97.92	41.81	-34.31	49.73	5664	65.86	16.12	NA	NA	Brower and Cade 1966
Megadontomys thomasi	Cricetidae	111	28	35		7	17.49	-100.06	32.32	11.81	0.39	3	17.68	17.29	NA	NA	Buffenstein and Jarvis 1985
Myodes gapperi	Cricetidae	20.8	26	34		8	47.82	-94.17	35.26	-36.50	29.55	3729	62.59	33.04	NA	NA	Deavers and Hudson 1981
Peromyscus leucopus	Cricetidae	21.2	27.5	34.5		7	33.31	-87.58	40.79	-23.22	35.14	2630	50.88	15.74	NA	NA	Deavers and Hudson 1981
Isthmomys pirrensis	Cricetidae	140.4	32	34	1b	2	7.66	-77.49	32.32	19.17	0.76	8	8.05	7.28	NA	NA	Hill 1975
Microtus arvalis	Cricetidae	24	20	30	1a	10	50.31	48.90	37.53	-38.72	23.31	3198	61.97	38.65	NA	NA	Jansky 1959
Ochrotomys nuttalli	Cricetidae	19.5	29.5	36		6.5	33.19	-85.98	35.67	-9.08	12.71	664	39.54	26.83	NA	NA	Layne and Dolan 1975
Peromyscus gossypinus	Cricetidae	21.5	29.7	35.3	1a	5.6	31.29	-86.24	35.71	-6.76	12.96	554	37.77	24.81	NA	NA	Layne and Dolan 1979
Neotoma lepida	Cricetidae	106	31	35	1a	4	33.45	-114.86	41.81	-18.21	21.28	506	44.09	22.81	NA	NA	Nelson and Yousaf 1979
Oxymycterus roberti	Cricetidae	83.5	33	34	1b	1	-17.79	-47.19	34.75	5.39	10.56	392	23.07	12.51	NA	NA	McNab 1984
Neofiber alleni	Cricetidae	258.1	25	34		9	28.09	-82.51	33.53	3.23	6.55	77	31.36	24.81	NA	NA	McNab 1992
Ondatra zibethicus	Cricetidae	1004.6	15	30		15	48.79	-110.45	41.81	-37.52	39.83	6418	68.70	28.88	NA	NA	McNab 1992
Microtus pinetorum	Cricetidae	23.8	23	35		12	37.42	-84.97	35.71	-18.12	17.10	1238	45.97	28.88	NA	NA	McNab 1992
Lagurus curtatus	Cricetidae	30.3	25	33		8	44.01	-111.91	40.21	-22.71	16.81	767	52.41	35.60	NA	NA	McNab 1992
Microtus richardsoni	Cricetidae	51.3	22.5	33.5		11	45.88	-115.15	34.83	-20.45	16.21	439	53.99	37.77	NA	NA	McNab 1992
Peromyscus californicus	Cricetidae	49.6	27	34.5		7.5	34.16	-118.79	37.74	-8.09	8.10	92	38.21	30.11	NA	NA	McNab and Morrison 1963
Peromyscus truei	Cricetidae	33	27	33		6	38.08	-111.40	41.81	-20.84	16.75	779	46.45	29.70	NA	NA	McNab and Morrison 1963
Peromyscus crinitus	Cricetidae	20.9	29	35		6	36.98	-114.39	41.81	-18.36	17.03	464	45.50	28.47	NA	NA	McNab and Morrison 1963
Peromyscus eremicus	Cricetidae	21.5	30	36.5		6.5	29.69	-108.44	41.81	-10.01	16.16	594	37.77	21.62	NA	NA	McNab and Morrison 1963
Microtus montanus	Cricetidae	51.2	26	31	1a	5	42.99	-113.71	39.93	-20.84	19.89	738	52.93	33.04	NA	NA	Packard 1968
Reithrodontomys megalotis	Cricetidae	7.6	32	35	2	3	33.25	-105.85	41.81	-21.74	34.25	2266	50.37	16.12	NA	NA	Pearson 1960
Myopus schisticolor	Cricetidae	26.4	20.9	24	1a	3.1	57.74	89.24	26.92	-51.88	28.22	4681	71.85	43.63	NA	NA	Saarela and Hissa 1993
Cricetulus barabensis	Cricetidae	31.4	27	30		3	42.86	104.88	33.96	-39.18	25.49	1750	55.60	30.11	NA	NA	Song and Wang 2003
Graomys griseoflavus	Cricetidae	69.4	25.6	34	1a	8.4	-33.32	-62.68	36.43	-10.64	30.77	928	48.71	17.94	NA	NA	Caviedes-Vidal *et al* ., 1987
Phodopus sungorus	Cricetidae	24	20	35	1b	15	51.54	78.11	31.86	-33.33	9.22	562	56.15	46.93	NA	NA	Weiner and Heldmaier 1987
Onychomys torridus	Cricetidae	19.1	30	35		5	33.53	-114.17	41.81	-12.47	17.44	378	42.25	24.81	NA	NA	Whitford and Conley 1971
Microtus pennsylvanicus	Cricetidae	38.9	25	29		4	49.55	-107.11	35.01	-39.11	41.35	5288	70.23	28.88	NA	NA	Wiegert 1961
Microtus ochrogaster	Cricetidae	47.4	25	34	1b	9	42.51	-98.63	35.23	-27.47	27.27	1434	56.15	28.88	NA	NA	Wunder *et al* ., 1977
Ctenomys talarum	Ctenomyidae	116	25	30	1a	5	-36.98	-61.14	33.48	0.13	3.92	50	38.94	35.02	NA	NA	Busch 1989
Priodontes maximus	Dasypodidae	45190	27	34	2	7	-8.01	-59.09	36.08	3.73	38.99	4058	27.51	0.00	NA	NA	McNab 1980
Cabassous centralis	Dasypodidae	3810	27.5	32.5		5	8.48	-81.09	36.80	6.81	16.84	425	16.90	0.00	NA	NA	McNab 1980
Dasyprocta azarae	Dasyproctidae	3849	18	35	1a	17	-22.94	-53.38	35.32	4.35	21.62	766	33.74	12.13	NA	NA	Arends and McNab 2001
Myoprocta acouchy	Dasyproctidae	914	25	30		5	2.16	-55.92	34.17	15.33	11.01	447	7.66	0.00	NA	NA	Arends and McNab 2001
Dasyprocta leporina	Dasyproctidae	2687	20	34	1a	14	4.84	-58.42	36.08	13.48	15.61	882	12.64	0.00	NA	NA	Arends and McNab 2001
Napaeozapus insignis	Dipodidae	20.9	30	34		4	44.37	-76.16	32.07	-27.60	19.24	1031	53.99	34.74	NA	NA	Brower and Cade 1966

Jaculus jaculus	Dipodidae	74.5	33	35		2	21.66	21.72	46.33	-7.90	28.75	3608	36.03	7.28	NA	NA	Hooper and Hilali 1972
Jaculus orientalis	Dipodidae	139.1	28	33		5	33.31	14.60	40.33	-4.02	8.05	243	37.34	29.29	NA	NA	Hooper and Hilali 1972
Thrichomys apereoides	Echimyidae	323	25	35	1a	10	-12.23	-41.65	35.91	8.55	18.51	559	21.48	2.97	NA	NA	Arends and McNab 2001
Erethizon dorsatum	Erethizontidae	7710	0	20	2	20	48.93	-108.21	41.68	-38.78	44.19	5205	71.03	26.83	NA	NA	Irving *et al* ., 1995
Geomys bursarius	Geomyidae	197	30	33	1a	3	40.62	-96.25	36.62	-24.12	18.51	727	49.87	31.36	NA	NA	Bradley and Yousef 1975
Thomomys umbrinus	Geomyidae	85	27	35		8	25.56	-104.38	39.86	-5.41	14.97	285	33.04	18.07	NA	NA	Bradley *et al* ., 1974
Thomomys talpoides	Geomyidae	106	26	32		6	44.53	-109.89	34.76	-27.00	22.14	1249	55.60	33.47	NA	NA	Bradley *et al* ., 1974
Geomys pinetis	Geomyidae	202	26	35		9	30.15	-84.28	33.61	-1.00	6.63	136	33.47	26.83	NA	NA	McNab 1966
Thomomys bottae	Geomyidae	143	28	30		2	32.99	-112.48	41.81	-20.84	20.36	851	43.16	22.81	NA	NA	Vleck 1979
Chaetodipus intermedius	Heteromyidae	15.2	33	36		3	32.08	-108.99	41.81	-12.71	10.50	272	37.34	26.83	NA	NA	Bradley *et al* ., 1975
Dipodomys microps	Heteromyidae	57.2	27	32		5	38.99	-116.19	41.19	-13.59	10.20	225	44.09	33.89	NA	NA	Breyen *et al* ., 1973
Chaetodipus penicillatus	Heteromyidae	16	31	37	1a	6	32.08	-113.11	41.81	-7.34	10.50	223	37.34	26.83	NA	NA	Brower and Cade 1966
Dipodomys merriami	Heteromyidae	34.7	32	35	1a	3	30.83	-108.74	41.81	-11.25	19.21	718	40.43	21.22	NA	NA	Dawson 1955
Dipodomys panamintinus	Heteromyidae	64.2	33	34	1a	1	36.94	-117.67	41.19	-10.01	6.10	56	39.99	33.89	NA	NA	Dawson 1955
Liomys salvini	Heteromyidae	43.8	31	34	1a	3	13.04	-88.84	36.80	4.77	6.94	119	16.51	9.57	NA	NA	Hudson and Rummel 1966
Liomys irroratus	Heteromyidae	48.1	31	34	1b	3	21.90	-100.82	38.00	-2.87	12.32	315	28.06	15.74	NA	NA	Hudson and Rummel 1966
Heteromys anomalus	Heteromyidae	69.3	26	33	1b	7	7.49	-68.83	35.62	6.81	9.54	198	12.26	2.72	NA	NA	McNab 1979
Dipodomys deserti	Heteromyidae	106	28.5	35		6.5	34.90	-115.65	41.81	-10.67	12.87	179	41.34	28.47	NA	NA	McNab 1979
Chaetodipus hispidus	Heteromyidae	35.8	30.5	33.5		3	33.29	-102.27	38.36	-18.91	27.29	1059	46.93	19.64	NA	NA	Wang and Hudson 1970
Hystrix africaeaustralis	Hystricidae	10700	24	27		3	-17.08	26.36	37.37	-3.58	34.53	3208	34.60	0.00	NA	NA	Haim *et al* ., 1990
Abrothrix longipilis	Muridae	42.3	27.3	32		4.7	-42.36	-69.87	31.02	-12.43	23.95	374	54.34	30.39	NA	NA	Bozinovic and Rosenmann 1988
Abrothrix andinus	Muridae	34.6	26.8	34		7.2	-24.33	-69.01	30.00	-12.53	20.54	322	34.60	14.05	NA	NA	Bozinovic and Rosenmann 1988
Auliscomys boliviensis	Muridae	76.8	22.7	31	1b	8.3	-17.36	-68.36	28.83	-12.43	5.07	114	19.90	14.83	NA	NA	Bozinovic and Rosenmann 1988
Micaelamys namaquensis	Muridae	64.2	26.39	34.49		8.1	-24.71	25.09	37.37	-3.58	19.77	1438	34.60	14.83	NA	NA	Buffenstein 1984
Gerbillurus paeba	Muridae	33.9	32.3	35.1		2.8	-25.10	22.81	37.02	-3.58	18.99	985	34.60	15.60	NA	NA	Buffenstein 1984
Gerbillus pusillus	Muridae	12.6	31.4	38		6.6	2.74	40.12	41.56	4.48	15.97	311	10.72	0.31	NA	NA	Buffenstein and Jarvis 1985
Mus musculus	Muridae	46	27	33		6	9.35	0.04	47.40	-51.45	128.45	37402	73.58	0.00	NA	NA	Hudson and Scott 1979
Rattus fuscipes	Muridae	76	28.1	32.9		4.8	-27.27	133.66	34.78	-3.30	23.34	354	38.94	15.60	NA	NA	Collins 1973
Rattus villosissimus	Muridae	250.6	30	35		5	-22.64	134.66	39.04	2.28	17.17	965	31.22	14.05	NA	NA	Collins and Brdshaw 1973
Akodon azarae	Muridae	23.5	30	32		2	-32.93	-58.53	34.75	-0.52	16.51	573	41.18	24.67	NA	NA	Dalby and Heath 1976
Gerbillurus setzeri	Muridae	46.1	32.2	34.8		2.6	-20.12	13.58	30.99	7.12	6.70	41	23.47	16.77	NA	NA	Dempster *et al* .,1998
Gerbillurus vallinus	Muridae	38.8	33.1	35		2.9	-27.54	18.89	37.02	-0.02	7.35	147	31.22	23.87	NA	NA	Dempster *et al* .,1999
Gerbillurus tytonis	Muridae	29.9	32.4	34.9		2.5	-25.09	15.40	30.99	2.22	4.83	36	27.51	22.67	NA	NA	Downs and Perrin 1990
Mystromys albicaudatus	Muridae	93.78	20	30		10	-29.84	24.56	34.28	-3.58	9.52	257	34.60	25.07	NA	NA	Downs and Perrin 1995
Gerbillus andersoni	Muridae	35.8	28	35	1a	7	31.16	25.84	35.58	1.58	2.92	97	32.62	29.70	NA	NA	Haim 1984
Gerbillus nanus	Muridae	28.2	33	34		1	24.12	30.59	48.73	-18.45	22.96	4429	35.60	12.64	NA	NA	Haim 1984
Dipodillus dasyurus	Muridae	27.6	32	35	1a	3	24.99	45.53	44.43	-2.22	24.69	798	37.34	12.64	NA	NA	Haim 1987
Otomys irroratus	Muridae	111.6	24	28		4	-26.07	25.61	32.98	-3.53	17.05	301	34.60	17.55	NA	NA	Haim and Fairall 1987
Apodemus mystacinus	Muridae	42.3	28	32	1a	4	36.85	34.03	42.56	-15.47	12.63	404	43.16	30.53	NA	NA	Haim *et al* ., 1993
Mus macedonicus	Muridae	14.5	28	33		5	37.26	34.32	43.56	-15.47	11.80	670	43.16	31.36	NA	NA	Haim *et al* ., 1999
Baiomys taylori	Muridae	7.3	29	36	1a	7	27.03	-102.43	39.53	-6.43	17.14	647	35.60	18.46	NA	NA	Hudson 1965
Apodemus agrarius	Muridae	24.4	25	27.5		2.5	42.94	73.67	34.28	-39.72	41.85	5156	63.86	22.01	NA	NA	Liu *et al* ., 2004
Apodemus speciosus	Muridae	28.5	25	30		5	37.60	137.65	31.67	-17.68	15.80	236	45.50	29.70	NA	NA	Liu *et al* ., 2004
Thallomys paedulcus	Muridae	124.7	27.46	35.89		8.43	-11.69	29.49	41.56	-0.32	34.9	2218	29.15	0.00	NA	NA	Lovegrove *et al* ., 1991
Notomys cervinus	Muridae	34.2	33	34		1	-25.08	139.86	38.88	5.95	4.03	52	27.10	23.07	NA	NA	MacMillen and Lee 1970
Notomys alexis	Muridae	32.3	32	34		2	-25.19	127.57	41.13	2.09	13.73	1292	32.06	18.33	NA	NA	MacMillen and Lee 1970
Pseudomys hermannsburgensis	Muridae	12.2	31	36		5	-25.40	130.26	41.61	2.09	14.15	1650	32.48	18.33	NA	NA	MacMillen *et al* ., 1972
Cannomys badius	Muridae	344	26.74	34.5		7.76	19.57	95.52	39.26	-16.69	16.16	546	27.65	11.49	NA	NA	McNab 1979
Meriones unguiculatus	Muridae	61	30	40	1a	10	45.36	107.29	37.15	-42.62	23.80	1588	57.26	33.47	NA	NA	Robinson 1959
Aepyprymnus rufescens	Muridae	2820	25	33	1a	8	-24.25	148.79	36.55	-0.35	17.30	291	32.90	15.60	NA	NA	Rübsamen *et al* ., 1983
Acomys cahirinus	Muridae	42	27	32.5	1a	5.5	22.07	14.17	47.47	-6.63	21.94	1807	33.04	11.11	NA	NA	Shkolnikand Borut 1969
Saccostomus campestris	Nesomyidae	61.3	28	32	1a	4	-20.68	26.87	37.37	-3.58	27.82	2301	34.60	6.77	NA	NA	Haim *et al* ., 1991
Steatomys pratensis	Nesomyidae	37.5	28	32		4	-10.92	25.60	37.93	-1.77	35.63	1620	28.74	0.00	NA	NA	Perrin and Richardson 2005
Octodon degus	Octodontidae	206	27	35		8	-31.88	-71.28	29.27	-10.76	6.29	49	35.02	28.74	NA	NA	Arends and McNab 2001
Octodontomys gliroides	Octodontidae	152	25	35		10	-22.17	-67.01	28.13	-12.53	13.13	202	28.74	15.60	NA	NA	Arends and McNab 2001
Spalacopus cyanus	Octodontidae	185	26.5	34		7.5	-31.71	-71.35	29.81	-11.45	9.22	59	36.32	27.10	NA	NA	Contreras 1986; McNab 1979
Pedetes capensis	Pedetidae	2300	23	33		10	-21.04	23.77	37.02	-3.58	26.25	1682	34.17	7.92	NA	NA	Müller *et al.*, 1979
Spermophilus beecheyi	Sciuridae	599.6	25	30		5	37.70	-119.22	41.10	-9.39	18.46	249	46.93	28.47	NA	NA	Baudinette 1972
Ammospermophilus leucurus	Sciuridae	96	31	34		3	33.45	-113.44	41.81	-20.73	21.28	509	44.09	22.81	NA	NA	Dawson 1955
Tamiasciurus hudsonicus	Sciuridae	231	15	27	1b	12	50.08	-111.94	39.06	-36.83	35.77	4654	67.97	32.20	NA	NA	Pauls 1981
Cynomys ludovicianus	Sciuridae	1112.3	30	35		5	39.33	-104.95	37.50	-19.47	20.09	828	49.37	29.29	NA	NA	Reinking *et al* ., 1977
Spermophilus lateralis	Sciuridae	257	23	30	1a	7	44.38	-114.30	39.93	-20.84	23.53	854	56.15	32.62	NA	NA	Barros *et al* ., 2001 in Tattersall and Milsom 2003
Tamias striatus	Sciuridae	92.2	28.5	32		3.5	40.80	-82.54	34.49	-27.50	22.20	1917	51.90	29.70	NA	NA	Wang and Hudson 1971
Tamias minimus	Sciuridae	50.6	26	34		8	50.64	-109.35	41.19	-35.71	31.80	2380	66.55	34.74	NA	NA	Willems and Armitage 1975
Tamias merriami	Sciuridae	75	29	35		6	35.64	-119.37	37.14	-8.86	6.03	63	38.65	32.62	NA	NA	Wunder 1970
Tachyoryctes splendens	Spalacidae	191	27	35	1b	8	5.04	35.97	39.72	3.70	19.06	374	14.57	0.00	NA	NA	McNab 1966
Spalax leucodon	Spalacidae	207.7	25	34	1b	9	43.35	24.14	33.82	-9.93	12.04	292	49.37	37.34	NA	NA	McNab 1966
	Scandentia																
Tupaia belangeri	Tupaiidae	186	27.5	35		7.5	19.27	100.01	39.26	-20.70	21.69	1342	30.11	8.43	NA	NA	Zhang *et al* ., 2012
Tupaia glis	Tupaiidae	123	30	37		7	0.83	101.75	34.46	11.74	16.72	354	9.19	0.00	NA	NA	Bradley and Hudson 1974
	Soricomorpha																
Blarina brevicauda	Soricidae	20.5	25	33		8	44.32	-85.50	34.36	-28.40	22.56	1881	55.60	33.04	NA	NA	Deavers and Hudson 1981; Neal and Lustik 1973
Neomys anomalus	Soricidae	13.4	25	30		5	42.17	22.76	40.73	-14.06	25.77	1553	55.06	29.29	NA	NA	Gebczynska and Gebczynski 1965
Neomys fodiens	Soricidae	14.2	25	30		5	55.06	67.89	33.90	-39.18	31.93	5790	71.03	39.10	NA	NA	Gebczynska and Gebczynski 1965
Notiosorex crawfordi	Soricidae	4	32	36	1b	4	29.34	-107.34	41.81	-20.79	18.62	1011	38.65	20.04	NA	NA	Lindstedt 1980
Sorex minutus	Soricidae	4.45	24	30	1a	6	48.73	52.63	40.90	-41.11	44.60	6315	71.03	26.43	NA	NA	McDevitt and Andrews 1995
Sorex cinereus	Soricidae	3.5	25	30		5	52.88	-110.45	34.81	-38.78	36.28	5198	71.03	34.74	NA	NA	Morrison *et al* ., 1959
Neurotrichus gibbsii	Talpidae	11.8	25	32		7	43.17	-122.53	35.92	-13.48	13.41	139	49.87	36.47	NA	NA	Campbell and Hochachka 2000
Condylura cristata	Talpidae	49	24.5	33	1a	8.5	42.86	-77.86	33.61	-29.45	25.49	1668	55.60	30.11	NA	NA	Campbell *et al* ., 1999
Scalopus aquaticus	Talpidae	48	26	33		7	35.63	-87.54	36.85	-21.04	21.64	1575	46.45	24.81	NA	NA	McNab 1979

Notes

*Notes regarding data quality of UCT: **1**, (a) UCT values are reported in the text of the source paper, but may not show an increase in metabolic rate. Instead, in most cases the maximum ambient temperature used in the respective thermal experiment is reported as UCT value; (b) UCT values extracted with the Datathief software as ambient temperature appears to increase; **2**, maximum temperature used in the respective thermal experiment is used as UCT value

†Latitudinal maximum and minimum values represent absolute maxima or minima, i.e. southern- or northernmost latitudes. In cases where species ranges are located on both hemispheres, i.e. include the equator, the latitudinal minimum is assumed to be 0°.