

Whole-animal metabolic rate is a repeatable trait: a meta-analysis

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There were several errors published in *J. Exp. Biol.* **210**, 2000-2005.

Table 1 included a number of mistakes and incorrectly cited references. Here, we present the corrected Table 1.

The following corrections have been made: (1) cases 16, 18, 42 and 45 have been removed; (2) an additional reference for case 32 (Terblanche et al., 2004a) has been added; and (3) in case 17, the original reference should have read (Fournier and Thomas, 1999) and not (Fournier et al., 1999).

The following references should have been listed in the Reference list:

- Fournier, F. and Thomas, D. W. (1999). Thermoregulation and repeatability of oxygen-consumption measurements in winter-acclimatized North American porcupines (*Erethizon dorsatum*). *Can. J. Zool.* **77**, 194-202.
Terblanche, J. S., Klok, C. J., Marais, E. and Chown, S. L. (2004b). Metabolic rate in the whip-spider, *Damon annulatus* (Arachnida: Amblypygi). *J. Insect Physiol.* **50**, 637-645.

The reference cited in the original paper as (Terblanche et al., 2004) should have been cited as (Terblanche et al., 2004b).

The authors apologize for these errors but assure readers that the results and conclusions of the original paper remain unchanged.

Table 1. Literature search for repeatability studies in metabolic rate, sorted in chronological order

Case	Study	Variable	Subtype	EST	R	N	P<0.05	M _b control	Time (days)	Animal	Reference
1	1	MMR	LOC	P	0.97	50	Yes	Yes	2	Reptile	(Garland and Else, 1987)
2	2	SMR		P	0.88	242	Yes	Yes	1	Reptile	(Garland and Bennett, 1990)
3	2	SMR		τ	0.86	242	Yes	Yes	1	Reptile	(Garland and Bennett, 1990)
4	3	MMR	LOC	τ	0.80	35	Yes	Yes	7	MammLAB	(Friedman et al., 1992)
5	4	BMR		P	0.93	74	Yes	Yes	1	MammLAB	(Hayes et al., 1992)
6	4	MMR	LOC	P	0.78	61	Yes	Yes	2	MammLAB	(Hayes et al., 1992)
7	5	MMR	LOC	P	0.40	50	Yes	Yes	18	MammWILD	(Chappell et al., 1995)
8	5	MMR	THER	P	0.38	34	No	Yes	18	MammWILD	(Chappell et al., 1995)
9	5	MMR	LOC	P	0.47	21	Yes	Yes	700	MammWILD	(Chappell et al., 1995)
10	5	MMR	THER	P	0.02	19	Yes	Yes	700	MammWILD	(Chappell et al., 1995)
11	6	FMR		τ	0.26	11	Yes	Yes	40	MammWILD	(Berteaux et al., 1996)
12	7	SMR		P	0.85	6	Yes	Yes	3	Insect	(Ashby, 1997)
13	8	RMR		τ	0.69	30	Yes	Yes	21	MammWILD	(Hayes et al., 1998)
14	8	MMR	THER	τ	0.74	30	Yes	Yes	21	MammWILD	(Hayes and O'Connor, 1999)
15	9	BMR		τ	0.35	17	Yes	Yes	30	Bird	(Bech et al., 1999)
17	11	RMR		P	0.83	10	Yes	Yes	12	MammWILD	(Fournier and Thomas, 1999)
19	13	SMR		P	0.38	23	Yes	Yes	3	Insect	(Chappell and Rogowitz, 2000)
20	14	MMR	LOC	P	0.69	16	Yes	Yes	3	Insect	(Rogowitz and Chappell, 2000)
21	14	MMR	LOC	P	0.19	22	No	Yes	3	Insect	(Rogowitz and Chappell, 2000)
22	15	SMR		P	0.68	28	Yes	No	119	Fish	(McCarthy, 2000)
23	16	SMR		P	0.68	12	Yes	No	35	Fish	(Virani and Rees, 2000)
24	17	FMR		τ	0.64	32	Yes	Yes	1	Bird	(Fyhn et al., 2001)
25	18	BMR		τ	0.84	28	Yes	Yes	8	Bird	(Horak et al., 2002)
26	18	BMR		τ	0.65	13	Yes	Yes	120	Bird	(Horak et al., 2002)
27	19	SMR		P	0.53	85	Yes	Yes	30	Insect	(Nespolo et al., 2003b)
28	20	SMR		τ	0.22	13	Yes	Yes	25	Insect	(Marais and Chown, 2003)
29	21	BMR		τ	0.66	10	Yes	No	21	Bird	(Tieleman et al., 2003)
30	21	BMR		τ	0.48	8	Yes	No	21	Bird	(Tieleman et al., 2003)
31	21	BMR		τ	0.57	7	Yes	No	21	Bird	(Tieleman et al., 2003)
32		SMR		τ	0.60	7	Yes	Yes	7	Insect	(Terblanche et al., 2004a)
	22	SMR		τ	0.74	9	Yes	Yes	14	Insect	(Terblanche et al., 2004b)
33	23	BMR		τ	0.56	64	Yes	Yes	30	MammWILD	(Labocha et al., 2004)
34	24	MMR	THER	P	0.77	7	Yes	Yes	4	MammLAB	(Chappell et al., 2004)
35	24	RMR		P	0.76	7	Yes	Yes	4	MammLAB	(Chappell et al., 2004)
36	25	MMR	THER	P	0.48	20	Yes	Yes	6	MammLAB	(Rezende et al., 2004)
37	25	MMR	THER	P	0.82	19	Yes	Yes	28	MammLAB	(Rezende et al., 2004)
38	26	BMR		P	0.72	40	Yes	Yes	5	MammLAB	(Ksiazek et al., 2004)
39	27	BMR		τ	0.57	35	Yes	Yes	913	Bird	(Ronning et al., 2005)
40	28	MMR	LOC	P	0.42	48	Yes	Yes	1	MammLAB	(Rezende et al., 2005)
41	28	MMR	THER	P	0.134	47	No	Yes	1	MammLAB	(Rezende et al., 2005)
43	28	MMR	LOC	τ	0.82	48	Yes	Yes	1	MammLAB	(Rezende et al., 2005)
44	28	MMR	THER	τ	-0.098	47	No	Yes	1	MammLAB	(Rezende et al., 2005)
46	29	BMR		τ	0.6	89	Yes	Yes	3	MammWILD	(Sadowska et al., 2005)
47	30	BMR		P	0.006	85	No	Yes	60	MammWILD	(Russell and Chappell, 2006)

Var, variable: MMR, maximum metabolic rate; BMR, basal metabolic rate; SMR, standard metabolic rate; FMR, field metabolic rate; RMR, resting metabolic rate; LOC, locomotory; THER, thermoregulatory. EST, estimator: P, Pearson product-moment correlation (r_p in text); τ , intraclass correlation coefficient; R, magnitude of repeatability estimate; N, number of individuals; P, probability; M_b, body mass; MammWILD, mammal from a wild population; MammLAB, mammal from a laboratory population.