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## Reproductive effort decreases antibody responsiveness

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Sperm competition in bats

D. J. HOSKEN

Sperm length and oestrus duration data for some species appeared in the wrong columns in Appendix 2. The error relates to the Appendix only, and a corrected version is reproduced below.

APPENDIX 2

Summary of species data used in analysis of variation in sperm length  
(Note that all sperm length data were obtained by Cummins & Woodall (1985) *J. Reprod. Fert.* **75**, 153–175.)

species	mass (g)	group numbers (with cluster)	sperm length (µm)	oestrus duration (days)	references
<i>Mormopterus planiceps</i>	12	10	66	61	2; 13; 19
<i>Anoura cultrata</i>	20.4	10	62.58		5; 13; 18
<i>Artibeus lituratus</i>	66.5	20	85.75		5; 18
<i>Carrollia castanea</i>	14.55		64.19		5; 18
<i>Pteropus alecto</i>	600		65.6		6
<i>P. conspiculatus</i>	500		103.0		6
<i>P. poliocephalus</i>	677		60.1		6
<i>P. scapulatus</i>	358				17
<i>Syconycteris australis</i>	15		80.6		6
<i>Antrozous pallidus</i>	23	60	58.54	198	14
<i>Chalinolobus morio</i>	10	150	45	61	9; 17
<i>C. gouldii</i>	14	20	58	122	10; 17
<i>Eptesicus fuscus</i>	15.5	75	72	182.5	1
<i>Lasionycteris noctivagans</i>	8	1	73.4		7
<i>Lasiurus borealis</i>	12.2	1	67.1	213	7
<i>Miniopterus schreibersii</i>	13	4040 (150)	65	36	4
<i>Myotis keeni</i>	9	150 (12)	75.22		7
<i>M. sodalis</i>	6.5		65.5	182	7
<i>M. lucifugus</i>	8	37 500 (500)	51	213	7
<i>M. austroriparius</i>	6	44 000	49		7
<i>M. grisescens</i>	7.2	500 000	72.55	30	7
<i>Nycticeius humeralis</i>	5.5		77.3	213	7
<i>Nyctophilus geoffroyi</i>	6.5	1	53	122	8; Hosken, unpublished data
<i>N. timoriensis (major)</i>	12.5	1	52	122	8; Hosken, unpublished data
<i>Pipistrellus subflavus</i>	4.8	5	79.08	213	3; 7; 11;
<i>Falsistrellus tasmaniensis</i>	20	15	66		16
<i>Plecotus rafinesquii</i>	9	144	54.65	103	15

1. Brenner (1968) *J. Mamm.* **49**, 775–8; 2. Crichton & Krutzsch (1987) *Am. J. Anat.* **178**, 369–86; 3. Davis (1966) *J. Mamm.* **47**, 383–96; 4. Dwyer (1966) *Aust. J. Zool.* **14**, 1073–137; 5. Eisenberg (1989) *Mammals of the Neotropics. Vol 1*. University of Chicago Press, Chicago; 6. Hall & Richards (1979) *Bats of eastern Australia*. Queensland Museum Booklet No. 12; 7. Hamilton & Whitaker (1979) *Mammals of the eastern United States*. Cornell University Press, Ithaca; 8. Hosken (in the press) *J. Roy. Soc. West. Aust.*; 9. Kitchener & Costa (1981) *Aust. J. Zool.* **29**, 305–20; 10. Kitchener (1975) *Aust. J. Zool.* **23**, 29–42; 11. Krutzsch & Crichton (1986) *J. Reprod. Fert.* **76**, 91–104; 12. Krutzsch & Crichton (1987) *Am. J. Anat.* **178**, 352–68; 13. Lemke & Tamsitt (1979) *Mammalia* **43**, 579–581; 14. Orr (1954) *Proc. Cal. Acad. Sci.* **28**, 165–246; 15. Pearson *et al.* (1952) *J. Mamm.* **33**, 273–320; 16. Phillips *et al.* (1985) *Macroderma* **1**, 2–11; 17. Reardon & Flavel (1987) *A guide to the bats of South Australia*. South Aust. Mus., Adelaide; 18. Redford & Eisenberg (1989) *Mammals of the Neotropics. Vol 2*. University of Chicago Press, Chicago; 19. Richards (1996) *Mormopterus planiceps*. In *The mammals of Australia*. Reed Books, Chatswood.

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