ELECTRONIC APPENDIX

This is the Electronic Appendix to the article

Multiple sperm storage organs facilitate female control of paternity

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Appendix A: Multiple sperm storage organs facilitate female control of paternity

Table 1. Comparison of mean egg sac traits in the normal, normal (NN) and irradiated,

irradiated (RR) control treatments, and mating trial characteristics for normal and

irradiated males across all treatments pooled (NN, RR, same-side, and opposite-side).

	treatments	normal	irradiated	Statistical result
number of eggs	NN, RR	186.6 ± 88.5	187.9 ± 97.4	Pooled t = 0.029 df = 16, p = 0.978
copulatory failure rate†	All	24.4% (21/86)	27.5% (30/109)	Pearson χ^2 = 0.204, p = 0.651
development rate‡	NN, RR	92.9%	0.02%	N/A
precopulatory duration (hr)	All	3.9 ± 1.8	4.0 ± 1.7	Pooled t = 0.507 df = 231, p = 0.612
copulation duration (min)	All	15.6 ± 7.2	14.5 ± 8.0	Pooled t = -1.115 df = 228, p = 0.266

†Male fails to insert palp before 8 hour trial elapses
‡Mean percent of eggs that develop per egg sac

Table 2. A comparison of the mean (SD) of male traits and mating characteristics in

cannibalistic and non-cannibalistic first and second matings.

	first copulations		second copulations	
	cannibalism	no cannibalism	cannibalism	no cannibalism
copulation duration (min)	17.5 (7.0) n = 37	13.5* (8.3) n = 39	17.7 (7.5) n = 35	12.7* (7.5) n = 36
courtship duration (hrs)	4.31 (1.62) n = 37	3.99 (1.52) n = 39	4.22 (1.87) n = 36	3.82 (1.97) n = 37
male condition	-0.157 (0.712) n = 34	0.136 (0.711) n = 39	0.072 (0.983) n = 32	0.021 (0.889) n = 35
male age (days)	10.8 (3.4) n = 37	9.5 (3.1) n = 39	9.9 (3.0) n = 36	9.4 (3.0) n = 37
Male size (mm)	2.73 (0.227) n = 36	2.89* (0.284) n = 36	2.95 (0.31) n = 34	2.80* (0.20) n = 36

p < 0.05 after Bonferonni correction.