

This is an appendix to the paper by Sundström & Boomsma 2000 Reproductive alliances and posthumous fitness enhancement in male ants. *Proc. R. Soc. Lond. B* **267**, 1439–1444.

Electronic appendices are refereed with the text. However, no attempt has been made to impose a uniform editorial style on the electronic appendices.

Appendix A. The number of individuals scored for testing differential mortality between patriline and the results for Fisher's exact test. Colony-wise average values associated with the analysis of paternity skew across cohorts.

Colony		Pupae year 1	Adults year 2	C ²	p	RA (sd)	Share of majority male				Skew		D
							mean (sd)	min	max	CV	mean (sd)	pool	
brsk5	1 male 1	75	59	0.00	0.96	2.27	0.61	0.27	0.83	0.43	0.64	0.52	0.22
	male 2	22	17				0.15	0.26	0.08				
jsk1	1 male 1	28	11	1.35	0.24	2.20	0.52	0.00	0.88	0.46	0.60	0.50	0.20
	male 2	25	18				0.35	0.24	0.18				
	2 male 1	40	38	6.18	0.01*								
	male 2	38	14										
jsk2	1 male 1	only adults	scored			2.13	0.62	0.40	0.85	0.23	0.56	0.53	0.07
	male 2					0.17	0.14			0.08			
kh4	1 male 1	23	18	0.03	0.86	2.04	0.57	0.38	0.75	0.25	0.52	0.51	0.02
	male 2	14	10				0.11	0.14	0.05				
msk11	1 male 1	49	62	0.44	0.50	2.08	0.52	0.33	0.81	0.28	0.54	0.50	0.08
	male 2	33	34				0.13	0.15	0.06				
msk5	1 male 1	59	50	1.96	0.16	2.17	0.61	0.32	0.89	0.31	0.59	0.52	0.12
	male 2	11	17				0.22	0.19	0.11				
rh1	1 male 1	25	29	2.96	0.08	(2.35)	(0.75)	0.44	0.95	(0.23)	(0.68)	(0.63)	(0.08)
	male 2	5	1			(0.22)	(0.17)	(0.16)					
sh6	1 male 1	34	13	0.05	0.81	2.03	0.47	0.34	0.58	0.19	0.52	0.50	0.03
	male 2	45	19				0.04	0.09	0.06				
sh7	1 male 1	34	39	0.11	0.73	2.12	0.58	0.38	0.71	0.29	0.56	0.51	0.09
	male 2	55	57				0.04	0.17	0.08				
Mean**						2.13	0.56			0.31	0.57	0.51	0.10
sd						0.08	0.05			0.09	0.04	0.01	0.07

* not significant after a Bonferroni correction alpha' = 0.005

** Rh 1 excluded