

**Supplementary material**

## Appendix 1

**Table A1.** Probability of extra-pair paternity in relation to parental infection status, age and body condition. The results of the generalized linear mixed model (Proc GLIMMIX in SAS) using binomial errors and a logit link. The model included random higher order factors: year of the study and territory identity (results not shown). Results for full model with main effects and two-way interactions.

<b>Predictors</b>	<b>DF</b>	<b>Den DF</b>	<b>F-value</b>	<b>Pr &gt; F</b>
Female infection status	1	34	1.18	0.2854
Male infection status	1	34	0.75	0.3926
Female age	1	34	0.79	0.3808
Male age	1	34	0.97	0.3311
Female condition	1	34	0.58	0.4521
Male condition	1	34	1.28	0.2664
Female infection status × Female age	1	34	1.42	0.2423
Female infection status × Female condition	1	31.17	1.13	0.2964
Female infection status × Male age	1	34	1.01	0.3209
Female infection status × Male condition	1	34	1.77	0.1924
Male infection status × Male age	1	34	0.00	0.9858
Male infection status × Male condition	1	33.24	0.02	0.8869
Male infection status × Female age	1	34	0.03	0.8605
Male infection status × Female condition	1	34	0.27	0.6040
Female age × Male age	1	34	0.04	0.8445
Female condition × Male condition	1	34	0.50	0.4851
Female infection status × Male infection status	1	34	1.79	0.1897