# Supporting Information

## Collet et al. 10.1073/pnas.1200219109

**Table S1. Information broken down for replicate groups on *T*, *M*, *N*, and *P*, their SD and coefficient of variation, sexual selection gradients of *M*, *P*, and *T* ($\beta_M$, $\beta_P$, and $\beta_T$, respectively), sexual selection gradients of male social status on *M*, *P*, and *T* ($\beta_{SM}$, $\beta_{SP}$, and $\beta_{ST}$, respectively), and postcopulatory sexual selection gradient of remating rates with the same female ($\beta_{remating/P}$)**

| Variable | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 | Group 6 | Group 7 | Group 8 | Group 9 | Group 10 | Group 11 | Group 12 | Group 13 | Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $T$ | 9.33 | 9.00 | 7.33 | 7.00 | 4.67 | 4.00 | 9.00 | 4.33 | 7.00 | 9.33 | 7.00 | 2.00 | 4.67 | 6.51 |
| $M$ | 3.67 | 3.00 | 2.67 | 4.00 | 3.33 | 3.00 | 3.33 | 2.00 | 2.00 | 2.33 | 3.67 | 1.33 | 2.33 | 2.82 |
| $N$ | 6.89 | 6.75 | 6.44 | 5.25 | 4.17 | 3.33 | 7.00 | 4.88 | 6.13 | 6.83 | 5.17 | 1.50 | 4.22 | 5.27 |
| $P$ | 0.36 | 0.38 | 0.35 | 0.33 | 0.34 | 0.39 | 0.36 | 0.50 | 0.55 | 0.54 | 0.35 | 1.00 | 0.35 | 0.45 |
| T (M*N*P) | 9.02 | 7.73 | 6.00 | 7.00 | 4.76 | 3.89 | 8.47 | 4.88 | 6.71 | 8.54 | 6.68 | 2.00 | 3.46 | 6.09 |
| $I_T$ | 0.30 | 0.70 | 2.24 | 0.39 | 0.02 | 0.56 | 0.64 | 1.08 | 1.61 | 1.68 | 0.57 | 3.00 | 2.40 | 1.17 |
| $I_M$ | 0.02 | 0.11 | 0.05 | 0.00 | 0.03 | 0.33 | 0.12 | 1.00 | 1.00 | 0.80 | 0.02 | 3.00 | 0.06 | 0.50 |
| $I_N$ | 0.00 | 0.00 | 0.04 | 0.00 | 0.02 | 0.03 | 0.00 | 0.22 | 0.04 | 0.00 | 0.00 | — | 0.01 | 0.03 |
| $I_P$ | 0.19 | 0.50 | 1.93 | 0.39 | 0.02 | 0.20 | 0.41 | 0.30 | 0.46 | 0.57 | 0.43 | — | 2.06 | 0.62 |
| $I_M$* | 0.68 | 0.74 | 0.70 | 0.67 | 0.69 | 0.89 | 0.75 | 1.33 | 1.33 | 1.20 | 0.68 | 2.67 | 0.71 | 1.00 |
| $I_N$* | 0.67 | 0.68 | 0.67 | 0.67 | 0.65 | 0.55 | 0.64 | 0.56 | 0.59 | 0.67 | 0.67 | 0.67 | 0.70 | 0.65 |
| $I_P$* | 0.86 | 1.28 | 2.58 | 0.93 | 0.66 | 0.92 | 1.09 | 0.69 | 1.02 | 1.13 | 1.06 | 0.67 | 3.01 | 1.22 |
| $SD_T$ | 5.13 | 7.55 | 10.97 | 4.36 | 0.58 | 3.00 | 7.21 | 4.51 | 8.89 | 12.10 | 5.29 | 3.46 | 7.23 | 6.18 |
| $SD_M$ | 0.58 | 1.00 | 0.58 | 0.00 | 0.58 | 1.73 | 1.15 | 2.00 | 2.00 | 2.08 | 0.58 | 2.31 | 0.58 | 1.17 |
| $SD_N$ | 0.19 | 0.25 | 1.26 | 0.00 | 0.60 | 0.58 | 0.43 | 2.30 | 1.24 | 0.24 | 0.14 | — | 0.38 | 0.63 |
| $SD_P$ | 0.16 | 0.27 | 0.49 | 0.21 | 0.05 | 0.17 | 0.23 | 0.27 | 0.37 | 0.40 | 0.23 | — | 0.50 | 0.28 |
| $\beta_M$ | 0.12 | 0.53 | 0.01 | — | 0.03 | 0.29 | 0.15 | 1.15 | 1.86 | 4.02 | 0.10 | 1.73 | 0.23 | 0.85 |
| $\beta_M$† | 0.40 | 0.83 | 0.75 | — | 0.06 | 0.65 | 0.58 | 1.04 | 1.21 | 1.07 | 0.49 | 1.73 | 1.55 | 0.86 |
| $\beta_P$ | 0.47 | 0.32 | 1.49 | 0.62 | 0.11 | 0.52 | 0.70 | — | — | — | 0.70 | — | 1.32 | 0.69 |
| $\beta_P$† | 0.54 | 0.82 | 1.50 | 0.62 | 0.12 | 0.72 | 0.79 | 0.82 | 1.31 | 1.36 | 0.75 | — | 1.55 | 0.91 |
| $\beta_{SM}$ | 0.14 | 0.33 | 0.00 | 0.00 | 0.15 | 0.50 | 0.30 | 0.50 | 0.50 | 0.86 | 0.14 | 1.50 | 0.21 | 0.39 |
| $\beta_{SP}$ | 0.05 | 0.68 | 1.21 | 0.57 | −0.04 | 0.11 | 0.59 | 0.38 | 0.48 | 1.07 | 0.05 | — | 1.32 | 0.54 |
| $\beta_{ST}$ | 0.16 | 0.83 | 1.30 | 0.57 | 0.00 | 0.38 | 0.78 | 0.58 | 0.93 | 1.23 | 0.14 | 1.50 | 1.39 | 0.75 |
| $\beta_{remating/P}$ | 0.36 | 0.67 | 1.39 | 0.62 | 0.05 | 0.28 | 0.58 | 0.44 | 0.76 | 0.70 | 0.05 | — | 1.43 | 0.61 |

*Based on the approach by Arnold and Wade (1).
†Univariate selection gradients (1).

1. Arnold S, Wade MJ (1984) On the measurement of natural and sexual selection: Theory. *Evolution* 38:709–719.