Population P1 = 10% Relative risk of sperm competition: 1 Relative risk of sperm competition: 1 Relative risk of sperm competition: 1 Relative mating success: 0.8 Relative mating success: 1 Relative mating success: 1.2 0 75 -75 75 50 50 -50 -% offspring sired by SD/+ male in the second mating role (P2) % offspring sired by SD/+ male in the second mating role (P2) % 25 25 -0.0 2.5 5.0 7.5 10.0 0.0 2.5 5.0 7.5 10.0 0.0 2.5 5.0 7.5 10.0 Relative risk of sperm competition: 1.4 Relative risk of sperm competition: 1.4 Relative risk of sperm competition: 1.4 Relative mating success: 0.8 Relative mating success: 1 Relative mating success: 1.2 $\bigcirc\bigcirc$ 00 % SD at equilibrium 75 -75 **-**30 50 -50 -20 25 25 10 0.0 2.5 5.0 7.5 0.0 2.5 5.0 7.5 0.0 2.5 5.0 7.5 10.0 10.0 10.0 Relative risk of sperm competition: 2.5 Relative risk of sperm competition: 2.5 Relative risk of sperm competition: 2.5 Relative mating success: 0.8 Relative mating success: 1.2 Relative mating success: 1 0 0 75 75 50 50 50 25 25 25

0.0

2.5

5.0

7.5

0.0

10.0

2.5

5.0

% offspring sired by SD/+ male in the first mating role (P1)

7.5

10.0

0.0

2.5

5.0

7.5

10.0