Supplementary Tables

Table S1: Substitutions for different loci orders assuming no interference.

Order of loci	
SDR-A-M	$\rho = r(1-R) + R(1-r)$
SDR-M-A	$r = \rho(1 - R) + R(1 - \rho)$
A-SDR-M	$R = r(1 - \rho) + \rho(1 - r)$

Table S2: Mean fitnesses and zygotic sex ratio in the resident population (M fixed, XY sex determination).

Sex & Life Cycle Stage	Mean Fitness
female gametes (\bar{w}_H^{ς})	$p_X^{\Diamond} w_A^{\Diamond} + (1 - p_X^{\Diamond}) w_a^{\Diamond}$
X-bearing male gametes (\bar{w}_{HX}^{δ})	$p_X^{\delta} w_A^{\delta} + (1 - p_X^{\delta}) w_a^{\delta}$
Y-bearing male gametes (\bar{w}_{HY}^{δ})	$p_Y^{\delta} w_A^{\delta} + (1 - p_Y^{\delta}) w_a^{\delta}$
male gametes (\bar{w}_H^{δ})	$(1-q)\bar{w}_{HX}^{\delta} + q\bar{w}_{HY}^{\delta}$
females (\bar{w}°)	$\begin{array}{l} \left[p_X^{\varsigma}w_A^{\varsigma}p_X^{\delta}w_A^{\delta}w_{AA}^{\varsigma} + \\ (1-p_X^{\varsigma})w_a^{\varsigma}p_X^{\delta}w_A^{\delta}w_{Aa}^{\varsigma} + \\ p_X^{\varsigma}w_A^{\varsigma}(1-p_X^{\varsigma})w_a^{\delta}w_{Aa}^{\varsigma} + \\ (1-p_X^{\varsigma})w_a^{\varsigma}(1-p_X^{\delta})w_a^{\delta}w_{Aa}^{\varsigma} + \end{array}$
males (\bar{w}^{δ})	$\begin{array}{c} \left[p_X^{\varsigma} w_A^{\varsigma} p_Y^{\delta} w_A^{\delta} w_{AA}^{\delta} + \\ (1 - p_X^{\varsigma}) w_a^{\varsigma} p_Y^{\delta} w_A^{\delta} w_{Aa}^{\delta} + \\ p_X^{\varsigma} w_A^{\varsigma} (1 - p_Y^{\varsigma}) w_a^{\delta} w_{Aa}^{\delta} + \\ (1 - p_X^{\varsigma}) w_a^{\varsigma} (1 - p_Y^{\delta}) w_a^{\delta} w_{aa}^{\delta} \right] / \left(\bar{w}_H^{\varsigma} \bar{w}_{HY}^{\delta}\right) \end{array}$
fraction zygotes male (ζ)	$q\left[p_Y^{\delta}w_A^{\delta} + (1-p_Y^{\delta})w_a^{\delta}\right]/\bar{w}_H^{\delta}$

Supplementary Figures

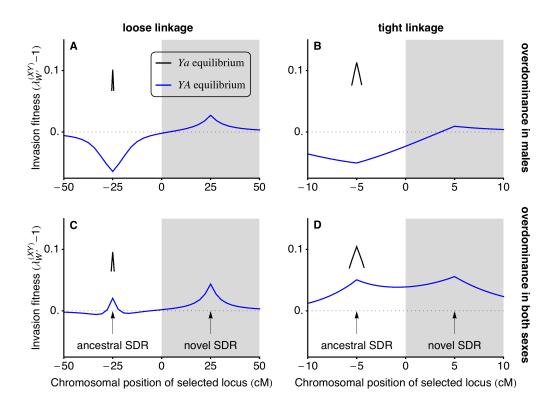


Figure S1

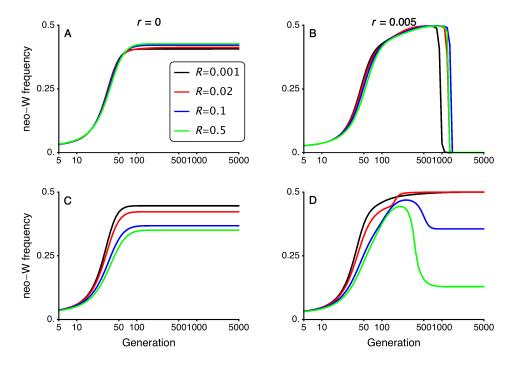


Figure S2

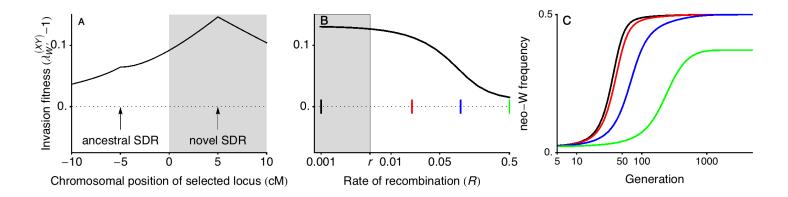


Figure S3

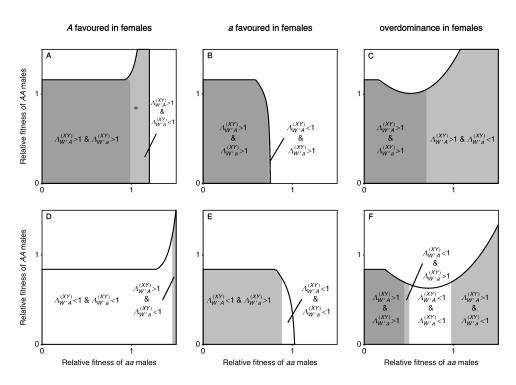


Figure S4

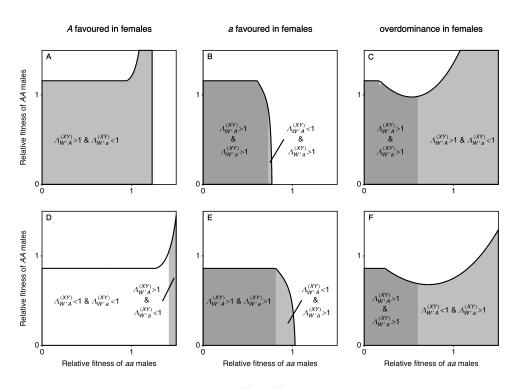


Figure S5

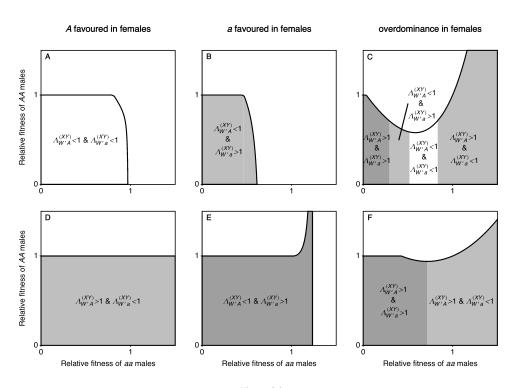


Figure S6

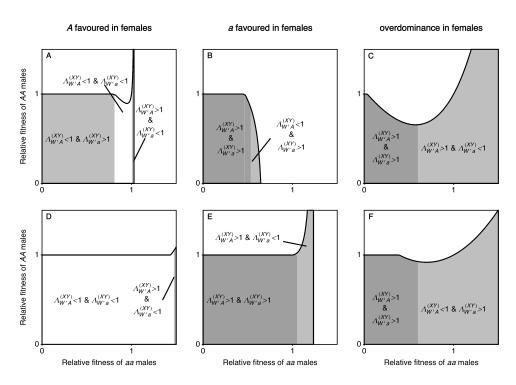


Figure S7

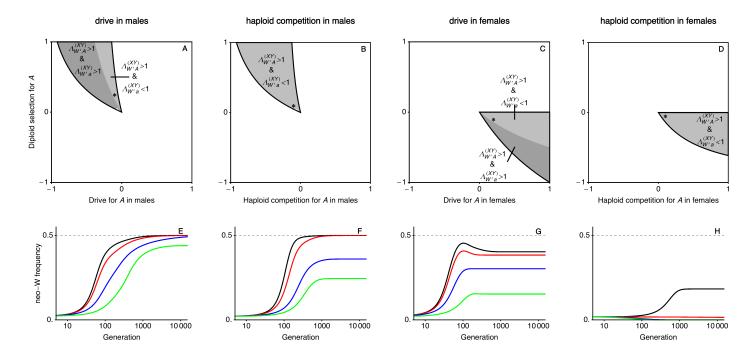


Figure S8

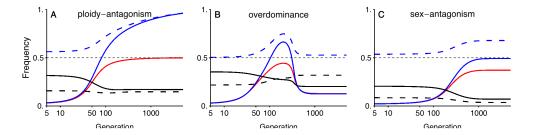


Figure S9