

**Table S1****Table S1.** Fitness for the two locus system**Female Fitness**

Paternal haplotype

 $A_1B_1$ 

## Maternal haplotype

 $A_1B_2$  $A_2B_2$ 

$A_1B_1$	$f_{11} = 1 - s_f$	$f_{21} = 1 - s_f(1 - \xi_{11})^k$	$f_{31} = 1 - s_f$	$f_{41} = 1 - s_f(1 - \xi_{12})^k$
$A_2B_1$	$f_{12} = 1 - s_f(\xi_{11})^k$	$f_{22} = 1$	$f_{32} = 1 - s_f(\xi_{12})^k$	$f_{42} = 1$
$A_1B_2$	$f_{13} = 1 - s_f$	$f_{23} = 1 - s_f(1 - \xi_{12})^k$	$f_{33} = 1 - s_f$	$f_{43} = 1 - s_f(1 - \xi_{22})^k$
$A_2B_2$	$f_{14} = 1 - s_f(\xi_{12})^k$	$f_{24} = 1$	$f_{34} = 1 - s_f(\xi_{22})^k$	$f_{44} = 1$

**Male Fitness** $A_1$  deleterious $m_1 = 1 - s_m$  $m_2 = 1$  $m_3 = 1 - s_m$  $m_4 = 1$  $A_2$  deleterious $m_1 = 1$  $m_2 = 1 - t_m$  $m_3 = 1$  $m_4 = 1 - t_m$ 

$A_1$ deleterious	$m_1 = 1 - s_m$	$m_2 = 1$	$m_3 = 1 - s_m$	$m_4 = 1$
$A_2$ deleterious	$m_1 = 1$	$m_2 = 1 - t_m$	$m_3 = 1$	$m_4 = 1 - t_m$