

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^\varnothing)	$p_X^\varnothing w_A^\varnothing + (1 - p_X^\varnothing) w_a^\varnothing$
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}^\varnothing)	$\frac{[p_X^\varnothing w_A^\varnothing p_X^\delta w_A^\delta w_{AA}^\varnothing + (1 - p_X^\varnothing) w_a^\varnothing p_X^\delta w_A^\delta w_{Aa}^\varnothing + p_X^\varnothing w_A^\varnothing (1 - p_X^\delta) w_a^\delta w_{Aa}^\varnothing + (1 - p_X^\varnothing) w_a^\varnothing (1 - p_X^\delta) w_a^\delta w_{aa}^\varnothing]}{(\bar{w}_H^\varnothing \bar{w}_{HX}^\delta)}$
males (\bar{w}^δ)	$\frac{[p_X^\varnothing w_A^\varnothing p_Y^\delta w_A^\delta w_{AA}^\delta + (1 - p_X^\varnothing) w_a^\varnothing p_Y^\delta w_A^\delta w_{Aa}^\delta + p_X^\varnothing w_A^\varnothing (1 - p_Y^\delta) w_a^\delta w_{Aa}^\delta + (1 - p_X^\varnothing) w_a^\varnothing (1 - p_Y^\delta) w_a^\delta w_{aa}^\delta]}{(\bar{w}_H^\varnothing \bar{w}_{HY}^\delta)}$
fraction zygotes male (ζ)	$q [p_Y^\delta w_A^\delta + (1 - p_Y^\delta) w_a^\delta] / \bar{w}_H^\delta$