

**S4 Table. Adjusted Parameter Values for the Single-Sex Model.**

Parameter	Value	Unit	Source
$\Lambda_u, \Lambda_a$	60.476325, 100.55365	$year^{-1}$	Data Estimated
$\mu$	0.0095859	$year^{-1}$	Data Estimated
$\tilde{\gamma}$	0.03022869	$year^{-1}$	Data Estimated
$\delta$	0.0095	$year^{-1}$	Data Estimated
$\sigma$	0.041667	$year^{-1}$	Calculated
$\rho_{ht}$	0.48	$year^{-1}$	Data Estimated
$\rho_c$	0.3	$year^{-1}$	Data Estimated
$\rho_t$	0.1	$year^{-1}$	Data Estimated
$\alpha_{ht}, \alpha_c, \alpha_t$	0.4, 0.27, 0.1	$year^{-1}$	Estimated
$\alpha_{ht}^1, \alpha_c^1, \alpha_t^1$	0.78, 0.8, 0.75	$year^{-1}$	Estimated