

Table S1. Effect of entrainment, photophase, and light conditions on mating in a 25 ml arena.

Entrainment at Time of Pairing	Light Condition at Time of Pairing	Trials	Mated Immediately
Photophase	Light	6	6
	Dark	6	4
Fisher's Exact Test: $p = 0.454$			
Scotophase	Light	6	6
	Dark	6	6
Fisher's Exact Test: $p = 1.0$			

Table S2. Effect of photophase and light conditions on mating status of females in a 950 ml arena.

Part of Photoperiod at Time of Pairing	Light Condition at Time of Pairing	Trials	Spermatophore Found
Photophase	Light	8	7
Scotophase	Dark	7	7

Not significant, Fisher's Exact Test, $p = 1$.

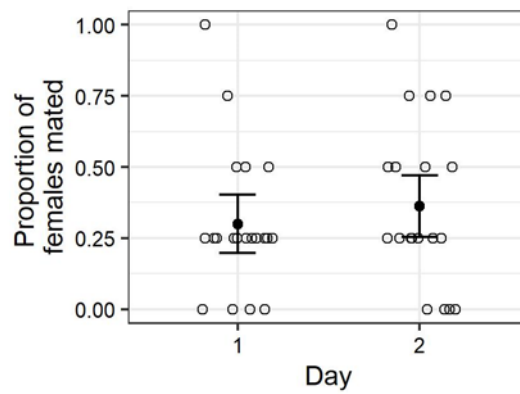


Figure S1. The mean number of females mated was slightly higher on day 2 of experiment 2 (36% mated) vs day 1 (30%) mated. However, the number of barrels with 0, 1, 2, 3, 4, or 5 mated females did not differ significantly between the two days of the experiment (Fisher's Exact test, $P = 0.877$).