

Supplements, Tammaru & Esperk

Table S1. Experiment design and sample sizes.

Year	Rearing temperature	Season	Photoperiodic treatment	N broods ^a	Collection sites ^b	N males ^c	N females ^c
2010	22 °C	early (June)	long day ^d	9	Ilmatsalu, Laeva, Tartu	128	98
			short day ^e	9	Ilmatsalu, Laeva, Tartu	113	117
		late (August)	long day	12	Ilmatsalu, Laeva, Tartu	92	91
			short day	12	Ilmatsalu, Laeva, Tartu	102	102
2011	17 °C	early (June)	long day	6	Karepa, Laeva	35	38
			short day	6	Karepa, Laeva	34	37
		late (August)	long day	5	Laeva	37	32
			short day	5	Laeva	42	32

^aNumber of females whose progeny was equally split among photoperiodic treatments and used in the experiments

^bThe locations in Estonia from where the females were collected; coordinates (°): Ilmatsalu (N: 58.40; E: 26.52), Karepa (N: 59.54; E: 26.42), Laeva (N: 58.48; E: 26.49), Tartu (N: 58.39; E: 26.67)

^cNumber of individuals that pupated successfully

^d18L: 6D

^e12L:12D