

SUPPORTING INFORMATION

Table S1 Photoperiods and temperatures across dates for which actual values were taken. In the experiment the overwintering was shortened comparing to what happens in nature, therefore post wintering dates do not follow the actual values in nature at particular timepoint.

Date in the nature	Date in the experiment	Light	Dark	Reference temperature	Elevated temperature
3 jul		17:44	06:16	21.1	25.1
10 jul		17:33	06:27	21.3	25.3
17 jul		17:17	06:43	22.2	26.2
24 jul		16:58	07:02	22.1	26.1
31 jul		16:35	07:25	22.1	26.1
7 aug		16:12	07:48	21.2	25.2
14 aug		15:46	08:14	21.6	25.6
21 aug		15:21	08:39	20.3	24.3
28 aug		14:53	09:07	18.4	22.4
4 sep		14:27	09:33	17.0	21.0
11 sep		14:00	10:00	15.3	19.3
18 sep		13:33	10:27	14.1	18.1
25 sep		13:06	10:54	13.5	17.5
2 oct		12:41	11:19	12.4	16.4
9 oct		12:15	11:45	10.4	14.4
16 oct		11:50	12:10	10	14
23 oct		10:02	13:58	10	14
30 oct		10:02	13:58 (values for high temperature, in low complete darkness)	6.9	10.9
6 nov		00:00	24:00	6	10
15 jan		12:00	12:00	10	14
22 jan		13:00	11:00	10	14
29 jan		13:59	10:01	10	14
5 feb		15:20	08:40	14	18
12 feb	30 apr	15:47	08:13	16.4	20.4
19 feb	7 may	16:12	07:48	17.6	21.6
26 feb	14 may	16:37	07:23	17.9	21.9
5 mar	21 may	16:59	07:01	18.2	22.2
12 mar	28 may	17:18	06:42	19.4	23.4
19 mar	4 jun	17:34	06:26	19.7	23.7
26 mar	11 jun	17:45	06:15	20.5	24.5
2 apr	18 jun	17:51	06:09	21.0	25.0
9 apr	25 jun	17:52	06:08	20.8	24.8
16 apr	2 jul	17:47	06:13	21.3	25.3
23 apr	9 jul	17:37	06:23	21.1	25.1
30 apr	16 jul	17:22	06:38	21.3	25.3