

Supplementary Information

Table S1: Summary of floral development scores measured on the primary stems of all experimental plants prior to temperature treatments.

Heat	No. floral nodes on primary stem with flowers present (stage ≥ 1); mean \pm SD				No. floral nodes on primary stem with flowers open (stage ≥ 7); mean \pm SD				
	Rep.	1	2	3	4	1	2	3	4
18		4.5 \pm 2.0	5.5 \pm 1.2	5.7 \pm 2.1	3.6 \pm 2.2	1.4 \pm 1.1	0.8 \pm 1.5	2.0 \pm 1.2	0.4 \pm 0.7
22		5.6 \pm 1.5	6.6 \pm 1.3	6.3 \pm 1.6	3.7 \pm 2.5	1.6 \pm 1.2	2.2 \pm 1.9	2.9 \pm 0.8	0.4 \pm 0.9
26		6.1 \pm 1.3	6.2 \pm 1.6	5.6 \pm 1.5	4.1 \pm 2.2	2.3 \pm 1.1	1.7 \pm 1.6	2.3 \pm 1.2	0.4 \pm 0.7
30		6.2 \pm 1.2	5.7 \pm 1.2	6.4 \pm 1.2	3.8 \pm 1.9	2.2 \pm 1.1	1.0 \pm 1.1	2.4 \pm 0.8	0.5 \pm 0.8
34		5.1 \pm 1.0	6.5 \pm 1.0	6.1 \pm 1.9	3.6 \pm 1.9	1.4 \pm 1.1	1.9 \pm 1.4	2.4 \pm 0.8	0.2 \pm 0.4

Table S2: Summary of pollen germination data from a subset of plants sampled in year one.

Heat	Proportion of germination per flower per plant			Flowers sampled			No. germinated pollen grains			No. total pollen grains			
	Rep.	1	2	3	1	2	3	1	2	3	1	2	3
18		0.771	0.605	0.765	23	24	21	1109	651	661	1355	1075	863
22		0.777	0.625	0.835	32	26	14	1233	694	577	1801	1355	699
26		0.680	0.541	0.887	25	25	19	1272	469	651	1984	1098	743
30		0.472	0.526	0.604	15	19	22	321	408	422	646	1152	649
34		0.079	0.071	0.089	26	7	3	138	25	5	1894	464	99