

Accessory Publication

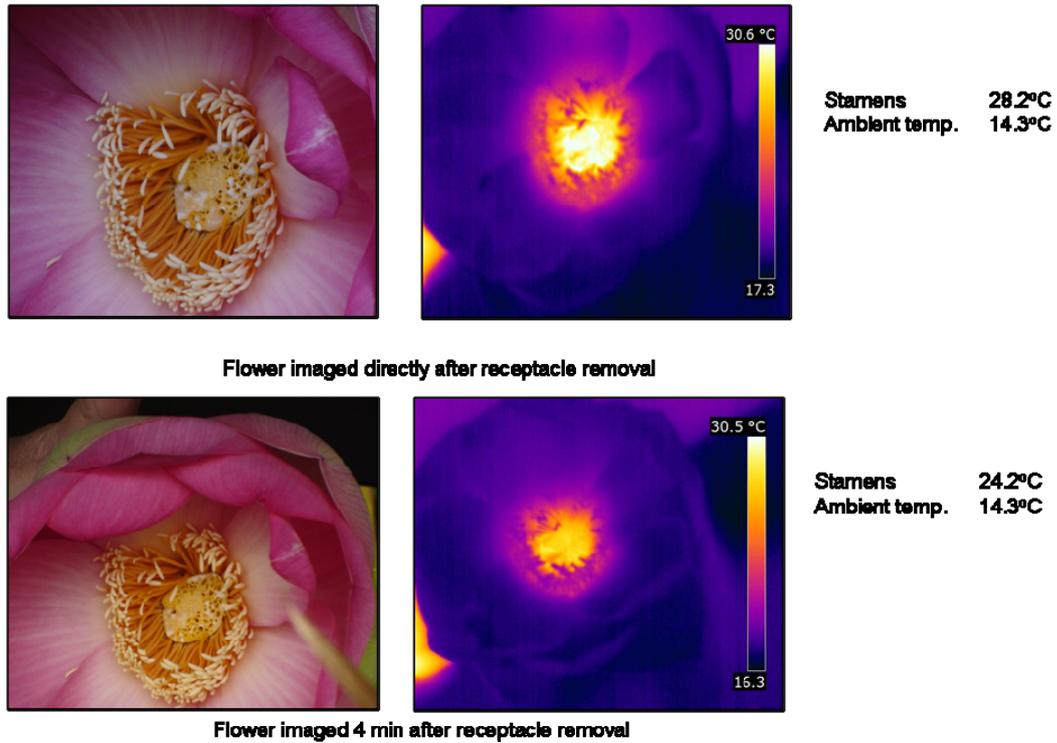


Fig. S1. Photograph (left) and thermal image (right) of attached sacred lotus stamens immediately (upper panel) and 4 min after (lower panel) removal of the receptacle.

Table S1. Fatty acid content (percentage of total) in sacred lotus receptacle and stamens tissue during floral development

Both phospholipid (PL) and triacylglycerides (TAG) fractions were analysed. Data are means \pm s.d. $n = 5$. Entries within rows with different letters are significantly different, ns = no significant difference

Fraction	Fatty acid	Percentage of total (% \pm s.d.)			Analysis of variance		
		Pre-thermogenic (stage 0)	Thermogenic (stage 2)	Post-thermogenic (stage 4)	<i>P</i> -value	<i>F</i> _{2,14} stat	
Receptacle	PL	16:0 (palmitic acid)	34.6 \pm 3.3	30.7 \pm 0.9	32.5 \pm 1.3	ns	4.1
		18:0 (stearic acid)	5.8 \pm 0.5	4.7 \pm 1.2	5.8 \pm 1.2	ns	1.6
		18:1 (oleic acid)	7 \pm 1.0	7.4 \pm 0.5	7.6 \pm 0.8	ns	0.6
		18:2 (linoleic acid)	32.6 \pm 2.5 ^a	30.4 \pm 1.1 ^{ab}	28.1 \pm 0.5 ^b	0.008	8.3
		18:3 (linolenic acid)	14.6 \pm 2.6 ^a	22.6 \pm 1.7 ^b	20 \pm 1.4 ^b	0.0004	18.7
		TAG	16:0 (palmitic acid)	28.9 \pm 0.6 ^a	24.3 \pm 2.0 ^b	31.4 \pm 2.0 ^a	0.0001
	18:0 (stearic acid)		8.4 \pm 2.7 ^a	3.9 \pm 0.5 ^b	7.0 \pm 2.7 ^{ab}	0.019	5.8
	18:1 (oleic acid)		3.9 \pm 2.1 ^a	7.4 \pm 0.8 ^b	7.1 \pm 0.8 ^b	0.004	9.5
	18:2 (linoleic acid)		44.6 \pm 4.0 ^a	38.5 \pm 2.7 ^b	30.2 \pm 2.1 ^c	0.0001	26.8
	18:3 (linolenic acid)		8.4 \pm 8.3 ^a	23.6 \pm 1.7 ^b	22.1 \pm 3.6 ^b	0.0017	12.0
	Stamens	PL	16:0 (palmitic acid)	30.2 \pm 2.2 ^a	34.4 \pm 1.1 ^b	35.3 \pm 1.3 ^b	0.0013
18:0 (stearic acid)			2.9 \pm 0.3 ^a	2.3 \pm 0.2 ^b	2.4 \pm 0.4 ^{ab}	0.0298	4.9
18:1 (oleic acid)			3.7 \pm 0.7	2.6 \pm 0.5	3.5 \pm 0.7	ns	
18:2 (linoleic acid)			36.7 \pm 3.3 ^a	21.6 \pm 1.2 ^b	21.9 \pm 0.9 ^b	0.0001	76.3
18:3 (linolenic acid)			22.8 \pm 3.1 ^a	33.3 \pm 0.5 ^b	31 \pm 2.4 ^b	0.0001	24.5
TAG			16:0 (palmitic acid)	25.2 \pm 5.7 ^a	36.0 \pm 0.9 ^b	35.2 \pm 1.5 ^b	0.0005
		18:0 (stearic acid)	3.3 \pm 0.8 ^a	2.4 \pm 0.1 ^b	2.4 \pm 0.4 ^{ab}	0.0298	4.8
		18:1 (oleic acid)	6.1 \pm 1.5	4.1 \pm 0.3	5.1 \pm 1.4	ns	
		18:2 (linoleic acid)	44.3 \pm 3.3 ^a	23.4 \pm 0.9 ^b	22.3 \pm 2.4 ^b	0.0001	125.6
		18:3 (linolenic acid)	15.2 \pm 0.8 ^a	22.2 \pm 1.9 ^b	17.8 \pm 1.5 ^a	0.0001	28.5