

Supplementary Table 2. Phenotypic characterisation of the early flowering mutant collection.

Mutant genotype	Pce (h) ^a	Pc (h) ^a	QRP Class	Light integral to bolting ^b	Circadian period ^c	Leaf number under LD ^b	Hypocotyl in the light ^d	Hypocotyl in the dark ^d	Sensitivity to sucrose ^d	Nb of changes in morphology ^d
eav1	10	16	1	ns	long (25.7 +/- 0.3h)	reduced	short	short	N	13
eav2	10	16	1	ns	long (25.5 +/- 0.4 h)	reduced	N	short	low	11
eav4	10	16	1	ns	long (26.1 +/- 0.3h)	reduced	N	N	N	4
eav5	11	16	1	lower***	N	reduced	N	short	N	8
eav6	9	16	1	ns	N	reduced	N	short	N	13
eav7	8	14	3	lower **	N	reduced	long	N	low	7
eav8	11	14	2	ns	nd	reduced	N	N	N	3
eav9	10	14	2	lower ***	N	N	long	N	N	1
eav10	no	no	6 (day-neutral)	lower **	arrhythmic	reduced	long	N	N	7
eav11	11	14	2	lower ***	N	reduced	N	short	N	10
eav12	10	14	2	lower ***	N	reduced	long	N	N	0
eav13	7	14	4	ns	N	reduced	N	N	N	4
eav15	10	16	1	ns	long (25.5 +/- 0.1h)	reduced	long	short	high	11
eav17	8	14	3	ns	N	reduced	N	N	N	5
eav18	9	14	2	lower ***	long (25.5 +/-0.2h)	reduced	N	short	N	8
eav19	8	16	7 (normal)	lower **	N	reduced	N	N	N	7
eav21	no	no	6 (day-neutral)	lower ***	N	reduced	short	short	N	10
eav22	11	16	1	ns	N	reduced	long	N	N	7
eav23	no	no	6 (day-neutral)	lower ***	nd	reduced	short	short	N	14
eav24	8	14	3	lower *	N	reduced	short	N	medium	11
eav25	8	14	3	lower *	N	reduced	long	N	N	0
eav28	10	16	1	ns	N	reduced	N	N	N	3
eav29	12	16	1	ns	N	N	N	short	low	3
eav32	8	13	3	lower ***	N	N	long	N	medium	10
eav33	8	12	3	lower ***	N	N	long	N	medium	12
eav34	10	16	1	ns	N	N	N	N	N	5
eav35	8	12	3	lower ***	N	reduced	long	N	N	6
eav37	10	16	1	ns	long (25.8 +/- 0.3h)	reduced	long	short	high	14
eav38	8	16	7 (normal)	ns	long (25.1 +/- 0.2h)	reduced	long	N	low	2
eav39	6	14	4	lower *	long (26.6 +/- 0.2h)	reduced	long	N	N	14
eav40	no	no	6 (day-neutral)	lower **	nd	reduced	N	N	N	16
eav41	10	14	2	lower ***	short (22.5 +/-0.8h)	reduced	long	N	low	0
eav42	8	16	7 (normal)	ns	long (25.4 +/- 0.2h)	reduced	long	short	high	12
eav43	10	16	1	ns	N	N	short	short	medium	16

eav46	6	14	4	lower ***	N	N	long	N	medium	7
eav47	8	16	7 (normal)	lower **	nd	N	N	short	low	7
eav49	7	14	4	lower ***	nd	N	long	N	high	10
eav50	8	16	7 (normal)	ns	nd	N	N	N	N	2
eav51	6	14	4	lower ***	nd	N	long	N	N	9
eav52	7	16	5	ns	N	N	N	short	N	8
eav53	8	16	7 (normal)	ns	long (25.0 +/- 0.3h)	reduced	N	N	N	6
eav54	no	no	6 (day-neutral)	lower ***	arrhythmic	reduced	long	N	N	10
eav55	8	16	7 (normal)	ns	long (25.2 +/- 0.3h)	reduced	N	N	N	9
eav56	8	16	7 (normal)	lower **	nd	reduced	short	N	N	8
eav57	10	16	1	lower *	nd	N	long	short	N	7
eav58	8	14	3	lower **	long (25.3 +/- 0.5h)	N	long	N	low	6
eav59	8	16	7 (normal)	ns	long (25.0 +/- 0.3h)	N	N	N	N	6
eav60	6	13	4	lower **	short (23.1 +/- 0.3h)	N	short	short	N	13
eav61	no	no	6 (day-neutral)	lower **	arrhythmic	reduced	long	N	N	nd

^a The wild type (Ws) Pce and Pc were 8 h and 16 h, respectively. QRP (Quantitative Response to Photoperiod) classes are described in Table 1. ^b Significant variation in the light integral to bolting (mean time under photosynthetically active light before bolting under photoperiods ranging from 8 h to 16 h) were determined by a t-test: * p<0.02 ; ** p<0.01 ; *** p<0.001 ; ns = not significant. The light integral to bolting in the wild type was 15.8 +/- 3.1 days (Pouteau et al., 2006). ^c Period values shown are averages +/- SEMs. The wild-type period was 24.1 +/- 2 h ; mutant values were compared to wild-type values using a t-test and differences considered significant when p<0.01 ; N: similar to the wild-type ; nd: not determined. ^d Minimum numbers of leaves under long days, hypocotyl elongation in light and in darkness, sensitivity to high concentrations of sucrose, and alterations in morphological traits (28 traits analyzed) are as described in Pouteau et al., 2004.