

**Table S1:** List of PCR primers used in this work:

Flowering time			
CO for:	tcgtggctgttcctaattc	CO rev:	ccctgaggagccatatttga
GI for:	gagctgtctttctccgttggtt	GI rev:	cttcaatagattggataaaccgtc
FWA for:	tatgcaccagtggaaaccaa	FWA rev:	gagtgcagcagttggattga
LD for:	atggaccgcgttcaaggaggagata	LD rev:	acatgcctccgatgtatagagtt
FPA for:	atgggaaaggggattgaaac	FPA rev:	ctgatggaggcaccaagaat
FVE for:	catcacaacgattgggacag	FVE rev:	aaccttcgtgacagggttg
FCA for:	catacctcgctgatggatt	FCA rev:	aaacggctgctgtaattgct
FY for:	caagttttggtgcagaaacagg	FY rev:	tgttggctgataaccttgct
FLK for:	aggggagtacctggtgaaatga	FLK rev:	ggcatctagcgtttccactctt
FLD for:	taggaacccatcaaggaatgct	FLD rev:	actgaatcagctccaacaccaa
LFY for:	acgaaggtgaggatgacgac	LFY rev:	catttttcgcacggctcttag
SOC1 for:	aattcgccagctccaatatg	SOC1 rev:	cctcgattgagcatgttcct
FT for:	ctggaacaacctttggcaat	FT rev:	agccactctccctctgacaa
FLC for:	cggctcatcgagaaagctc	FLC rev:	tagtcacggagaggcagtc
VRN1 for:	gggtatgctagttcagccatcc	VRN1 rev:	acttctcagcaaaccagaagg
VRN2 for:	gcttgctggacaatttgatg	VRN2 rev:	aacgagttccaaagatgcatga
VIN3 for:	agcaaaccctttgacaaactc	VIN3 rev:	tttgccgcatattgatctcag
GA1 for:	gtctcgcggaaatcatcaat	GA1 rev:	tgatcgccacataaagcaaa
GA3ox1 for:	cgatttccgtaaaactttggc	GA3ox1 rev:	atccattggataggtgtgg
GA3ox2 for:	ggcgtagctcgtattgcttc	GA3ox2 rev:	tggataactgcttgggttcc
GA3ox3 for:	ttcagcgtcacgctacactc	GA3ox3 rev:	caaaccgggtaggagttcaa
GA3ox4 for:	cctgacgttaccacctcat	GA3ox4 rev:	ttcaatgtcttccacgggtga
GA20ox1 for:	aaatccggtgagagtgttg	GA20ox1 rev:	cttagccccagaagctccat
GA20ox2 for:	tgccaaacaccagatctcac	GA20ox2 rev:	tcgcgctctctctattcaca
GA2ox1 for:	atcaatggcggtattgtctaaac	GA2ox1 rev:	acctgaagaagccgaagtc
AP1 for:	gcaagcaatgagccctaaag	AP1 rev:	actgtctctgttgagcccta
CAL for:	gaaccaatgagcctcaagga	CAL rev:	ttgtggctgtggtacatcgt
ACT for:	atgaagattaaggctcgtggca	ACT rev:	Tccgagtttgaagaggctac
Flowering time (RT-qPCR)			
CO for:	cacgacctgtgacacatgc	CO rev:	catggcaatacacgggtgcag
SOC1 for:	aacgtaaactcttgggagaaggc	SOC1 rev:	gcagctcctcgattgagcat
FT for:	cttggcaggcaaacagtgtatg	FT rev:	agtgttgaagttctggcgcc
FLC for:	atgtgggagcagaagctgaga	FLC rev:	cggagatttgtccagcaggt
GA1 for:	ttcatgcagacccgagacagt	GA1 rev:	gacggcatttcgcaaatactc
LFY for:	tctgaagggttcacagagtgg	LFY rev:	aatgtctcgttgggttcca
AP1 for:	ccacaatatgcctccccctc	AP1 rev:	ggatgctggatttgggtcgt
CAL for:	tgatgccgaggtttccctta	CAL rev:	tcgaacaatttgccttatgg
ACT for:	cttgaccaagcagcatgaa	ACT rev:	ccgatccagacactgtacttctt

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Characterization of *flc-7* and *p5cs1 p5cs2/P5CS2*

<i>FLC</i> for:	caaacaagagctgatgttacaa	<i>FLC</i> rev:	tagtcacggagagggcagtc
<i>FLC</i> for:	caaacaagagctgatgttacaa	<i>T-DNA</i> rev:	ataataacgctcggacatctacattt
<i>P5CS1</i> for:	ggaaccaccatttgcatttgt	<i>P5CS1</i> rev:	tctgcaacttcgtatcctctgtc
<i>P5CS1</i> for:	ctgttgggggtaaactcattg	<i>Lb1</i> rev:	gcgtggaccgcttctgcaact
<i>P5CS2</i> for:	ggagcagaatggttttctcg	<i>P5CS2</i> rev:	tggaaaacagcagcactgtc
<i>P5CS2</i> for:	ggagcagaatggttttctcg	<i>T-DNA</i> rev:	tatctgggaatggcgaaatc