Biology Open

Supplementary Material

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Fig. S1. Comparison of leaves from 4-week-old WT plants and *atvoz1-1* and *atvoz2-1* single mutants.

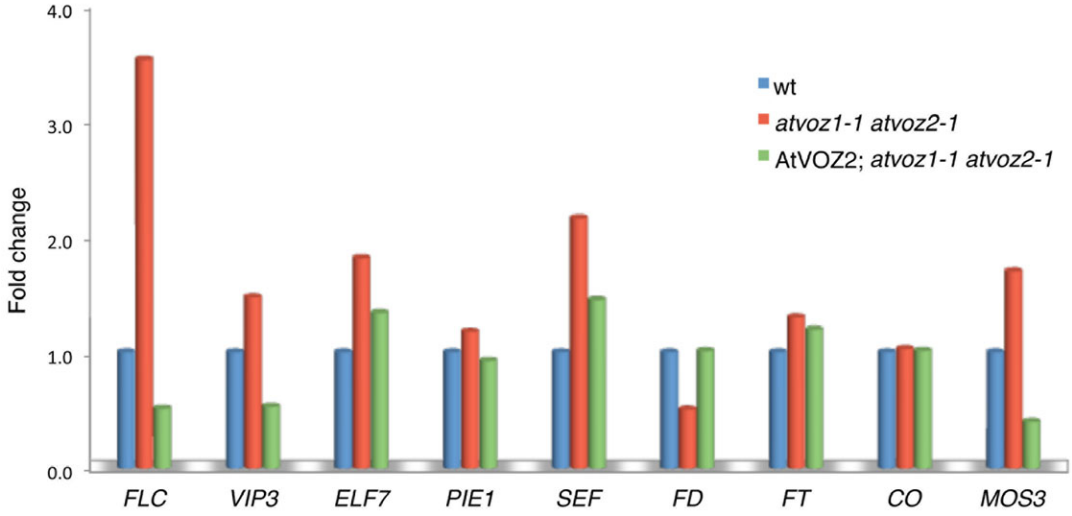

Fig. S2. Expression of flowering genes in *atvoz1-1 atvoz2-1*. RT-PCR reactions from Fig. 3 and Fig. 5A were quantified. Fold change in gene expression was calculated using expression values normalized to cyclophilin.

Table S1. Flowering time of *atvoz* mutants in long days and short days. Flowering time was measured by determining the number of rosette leaves at bolting (leaf number) and by counting the number of days to opening of the first flower (days). Mean values±s.e.m. are shown.

	Long day		Short day	
Genotype	**Leaf number**	**Days**	**Leaf number**	**Days**
Wild type	16.2±0.5	42.1±0.7	59.0±2.2	112.0±3.4
voz1-1	18.6±0.5	46.1±0.7	ND	ND
voz2-1	20.0±0.6	47.3±0.8	ND	ND
voz1-1 voz2-1	40.0±1.0	65.5±1.5	54.6±5.4	153.9±7.4
VOZ2; *voz1-1 voz2-1*	13.4±0.4	39.4±0.5	59.9±3.5	100.0±5.1

Table S2. Analysis of >100 siliques per line showing silique sizes (mm)±s.d. and the fraction of aborted seeds for WT and *atvoz1-1 atvoz2-1*.

Genotype	Silique size	Aborted seeds
Wild type	14.5±1.2	1.0% (n=4057)
voz1-1 voz2-1	9.7±1.7	31.9% (n=9231)

Table S3. List of primers used in this study.

Gene/vector	Forward	Reverse
Primers for genotyping		
voz1	Voz1-Fw (AtVOZ1gatF) CACCGTCGACATGACGGGGAAGCGATCAAAGAC	Voz1-Rv (AtVOZ1gatR) CCCGGGGATATAATAGTCGCTTAGATTTC
voz2	Voz2-Fw (AtVOZ2gatF) CACCGTCGACATGTCAAACCACCCGAAGATC	Voz2-Rv (AtVOZ2gatR) CCCGGGCTCCTTACGACCTTTGGTTGGAGGAGAGGG
WiscDsLox T-DNA specific primer		p745 AACGTCCGCAATGTGTTATTAAGTTGTC
Salk T-DNA specific primer	LBb1 GCGTGGACCGCTTGCTGCAACT	
TAP	TMVU1[TAP]sense AACATTACAATTACTATTTAC	
Primers for RT-PCR		
FLC	ATGGGAAGAAAAAAACTAGAAATCAA	CTAATTAAGTAGTGGGAGAGTCAC
VIP3	AACTCGCAGGTCTGAAATCG	TGGTCATTGTGGTTGCTCAT
ELF7	AACCAACCACCTTCATCTGC	CTCATCCAAGGAAGGAACCA
PIE1	TTGGCTGTCGAAGAGGAACT	ATTCTGCAGGGGTGTACCAG
SEF	At5G37055Fw TGGAGGAAGAGATGTCGAAC	At5G37055Rv CTATGCAACAAATTTCTGACAACG
FD	ATGTTGTCATCAGCTAAGCATCA	TGTCTTCTATTCCCTGAACCTTC
FT	ATGTCTATAAATATAAGAGACCCTC	CTAAAGTCTTCTTCCTCCGCAGCCAC
CO	CACACCATCAAACTTACTACATCTG	CTGAAAATTCTGTTGGTTATGGCAC
MOS3/SAR3 (*At1G80680*)	At1G80680Fw CAAGGATGGCTAGAGATTTGG	At1G80680Rv TTCTTCATCAATGTCAGCTACC
CYC cyclophilin	GTC TGA TAG AGA TCT CAC GT	AATCGGCAACAACCACAGGC
Primers for EMSA		
pMOS3	pMOS3-Fw GACGTCCGGCGCAGCGTTTATCAGACGCTGGGATT-AAAACA	Cy5/pMOS3-Rv /Cy5/TGTTTTAATCCCAGCGTCTGATAAACGCTGCG-CCGGACGTC
pMOS3-m	pMOS3-m-Fw GACGTCCGGCGCATTTTTTATTTTTTTTTGGGATTA-AAACA	Cy5/pMOS3-m-Rv /Cy5/TGTTTTAATCCCAAAAAAAAATAAAAAATGCG-CCGGACGTC
Primers for ChIP		
MOS3	MOS3 UE-F AGGAGGGAAAACGAATTGAGTC	MOS3 UE-R CCGAATTCCTTTCCAATTAAAGTCAAC
actin-2	ACT2 UE-F GCC ATC AAA GCA AAA GAA CTA ATC	ACT2 UE-R ATG AAT TTA TAT AGG CGG GTT TAT CTC