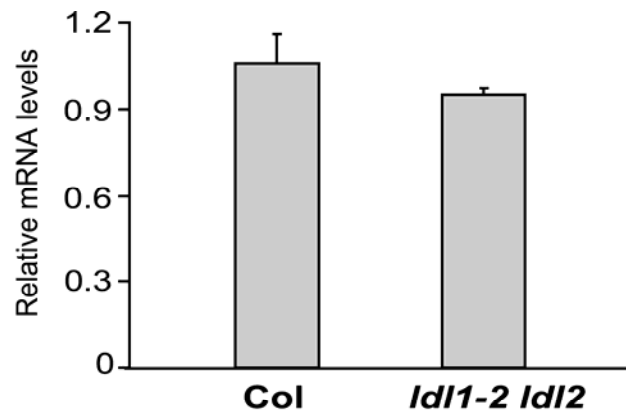
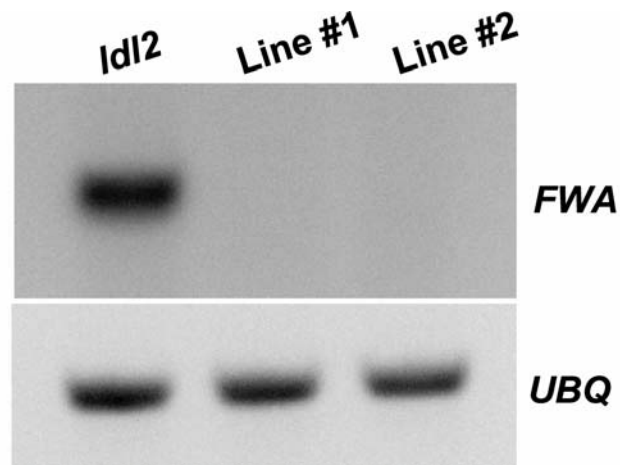


Supplementary Figure 1. *FLC* Repression in *ldl1 fld* by Vernalization.

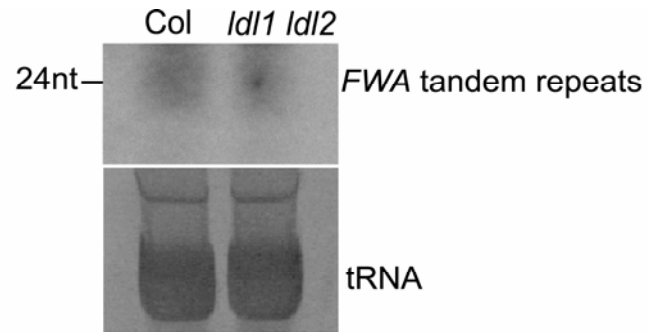
'NV' sample from nonvernalized seedlings grown at 22°C, 'VT0' sample from seedlings vernalized for 8 weeks and 'VT5' sample from seedlings vernalized for 8 weeks and subsequently grown for 5 days at 22°C.



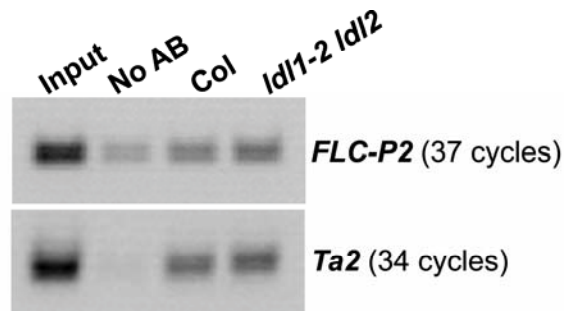
Supplementary Figure 2. Relative *FLM* mRNA Levels in Col and *Id1 Id12* Seedlings Quantified by Real-Time PCR. The values shown are means ± standard deviation.



Supplementary Figure 3. Complementation of the *Idl2* Mutation. A wild-type copy of genomic *LDL2* was introduced into *Idl2* mutants via *Agrobacterium tumefaciens*-mediated transformation; levels of *FWA* transcripts in two independent homozygous T3 lines were examined; *UBQ* served as a control.



Supplementary Figure 4. *FWA* siRNAs in Col and *Id1 Id2* Analyzed by Northern Blotting. tRNA stained by ethidium bromide serves as a loading control.



Supplementary Figure 5. State of Histone H3K9me2 in Col and *Idl1 Idl2* Seedlings Examined by ChIP-PCR. The input is Col chromatin before immunoprecipitation (diluted 600 times); 'No AB' refers to the mock sample (Col chromatin) lacking of anti-dimethyl-Histone H3 (Lys 9); the numbers of PCR cycles are in parentheses. The amount of genomic *FLC* in Col sample is slightly higher than that in the mock sample and is at a similar level to that in *Idl1 Idl2*, whereas genomic *Ta2* (a heterochromatic locus) was readily detected.

Supplementary Table 1. Sequences of Primers Used in Experiments of RT-PCR and ChIP-PCR.

Experiments	Amplification regions	Sequences
RT-PCR	<i>FLC</i>	Forward: CCGAACTCATGTTGAAGCTTGTGAG Reverse: CGGAGATTTGTCCAGCAGGTG
	<i>FLM</i>	Forward: CGCTGTTGTCGTCGTATCTGC Reverse: CAGTCTCAAGTTGTTCCCTCCAGAG
	<i>FWA</i>	Forward: CGACGCTGCAGAGACACTGC Reverse: AGTTGAGAGTCATCGCTGTGCT
	<i>ACTIN2</i>	Forward: CTCATCTTCTCCGCTCTTTCTTTCCAAG Reverse: CACCATCACCAGAATCCAGCACA
	<i>LDL2</i>	Forward: CATAcAGTCTCTGGTGGCCCTG Reverse: GACCCATATGACAAAGGATCACTTCC
ChIP-PCR	<i>FLC-P1</i>	Forward: TGTCCACACATATGGCAATAGCTCAA Reverse: CAAGCTGATACAAGCATTTCACCAA
	<i>FLC-P2</i>	Forward: CCTAATTTGATCCTCAGGTTTGGG Reverse: CCGACGAAGAAAAAGTAGATAGGCAC
	<i>TUB2</i>	Forward: ATCCGTGAAGAGTACCCAGAT Reverse: AAGAACCATGCACTCATCAGC
	<i>P-1 (FWA)</i>	TaqMan MGB probe: ATGCAGCTGATGTGCCTT
	<i>P-2 (FWA)</i>	TaqMan MGB probe: CACAACACACAACATTC
	<i>TDRs (FWA)</i>	TaqMan MGB probe: CCGTCGAGAATCTCA
<i>CDS-1 (FWA)</i>	TaqMan MGB probe: AACCGCATCCAAATCA	
<i>CDS-2 (FWA)</i>	TaqMan MGB probe: AAGCCTCCACAATTTG	