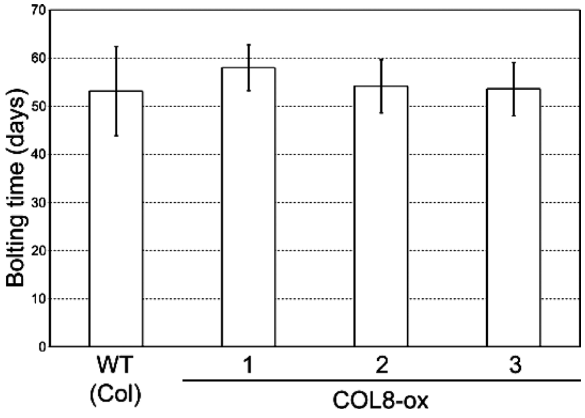
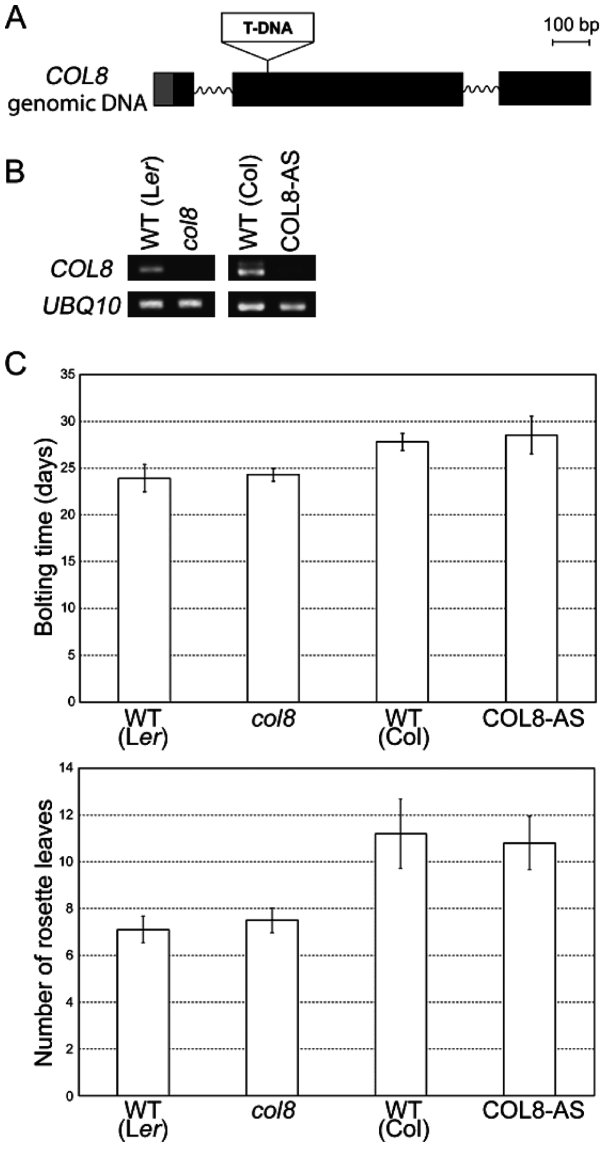


Supplemental Figure S1. Bolting time in *COL8* overexpressor (COL8-ox) plants under short-day (10L:14D) conditions.

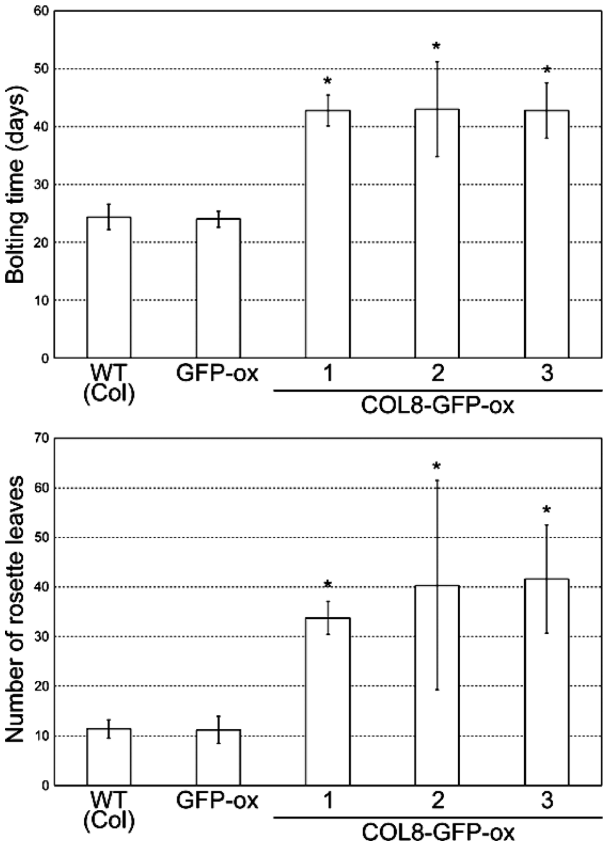
Bolting time in the COL8-ox plants under 10L:14D conditions did not differ significantly among these lines or between these lines and the wild-type (WT). Three independent COL8-ox lines were used to measure bolting time. Error bars represent the standard deviation (WT, n = 6; COL8-ox 1, n = 10; COL8-ox 2, n = 8; COL8-ox 3, n = 9). Bolting time in COL8-ox did not differ significantly from the wild-type plants ($P > 0.05$, Student's *t*-test).



Supplemental Figure S2. Characterization of the *COL8* knockout (*col8*) and *COL8* antisense (COL8-AS) plants.

(A) Gene map for the genomic *COL8* DNA, with the site of T-DNA insertion at GT7084 present in *col8*. The gray box indicates the 5′-UTR region, and the black boxes indicate the exons of the gene. (B) mRNA accumulation in the *col8* and COL8-AS lines was determined by RT-PCR. RT-PCR of *ubiquitin 10* (*UBQ10*) is shown as a control. (C) Bolting time and the number of rosette leaves at the time of bolting in the *col8* and COL8-AS transgenic plants and in two wild-type plants under LD conditions. The number of days until bolting (top) and the number of rosette leaves at the time ofbolting (bottom) were determined in the Ler wild-type (WT), *col8*, Col WT, and COL8-AS plants. Thebackground of the *col8* plants was Ler, and the background of the COL8-AS plants was Col. Error bars represent the standard deviation (n = 10). Bolting time in *col8* and COL8-AS transgenic plants did not differ significantly from the wild-type plants (Ler and Col, respectively; $P > 0.05$, Student's *t*-test).

Characterization and transgenic study of *CONSTANS-LIKE8* (*COL8*) gene in *Arabidopsis thaliana*: expression of *35S:COL8* delays flowering under long-day conditions
[Plant Biotechnol. 28(5): 439-446 (2011)]



Supplemental Figure S3. Bolting time delay in the COL8-GFP transgenic plants under LD conditions.

Number of days until bolting and number of rosette leaves at the time of bolting were determined in Col wild-type (WT), GFP overexpressor (GFP-ox), and COL8-GFP overexpressor (COL8-GFP-ox) transgenic plants. Error bars represent the standard deviation (WT, n = 5; GFP-ox, n = 5; COL8-GFP-ox 1, n = 4; COL8-GFP-ox 2, n = 3; COL8-GFP-ox 3, n = 4). Bars labeled with an * differ significantly from the WT and COL8-GFP plants ($P < 0.05$, Student's *t*-test).