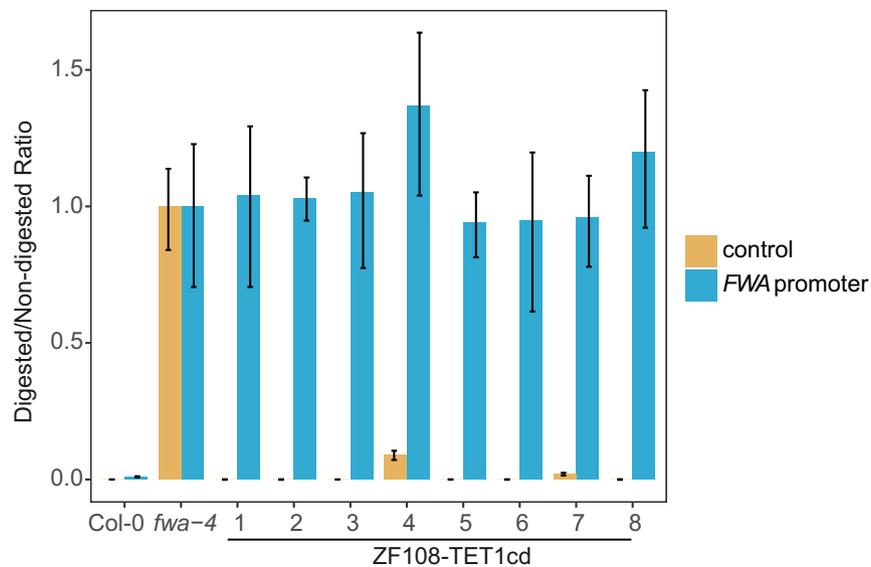


# Supporting Information

Gallego-Bartolomé et al. 10.1073/pnas.1716945115



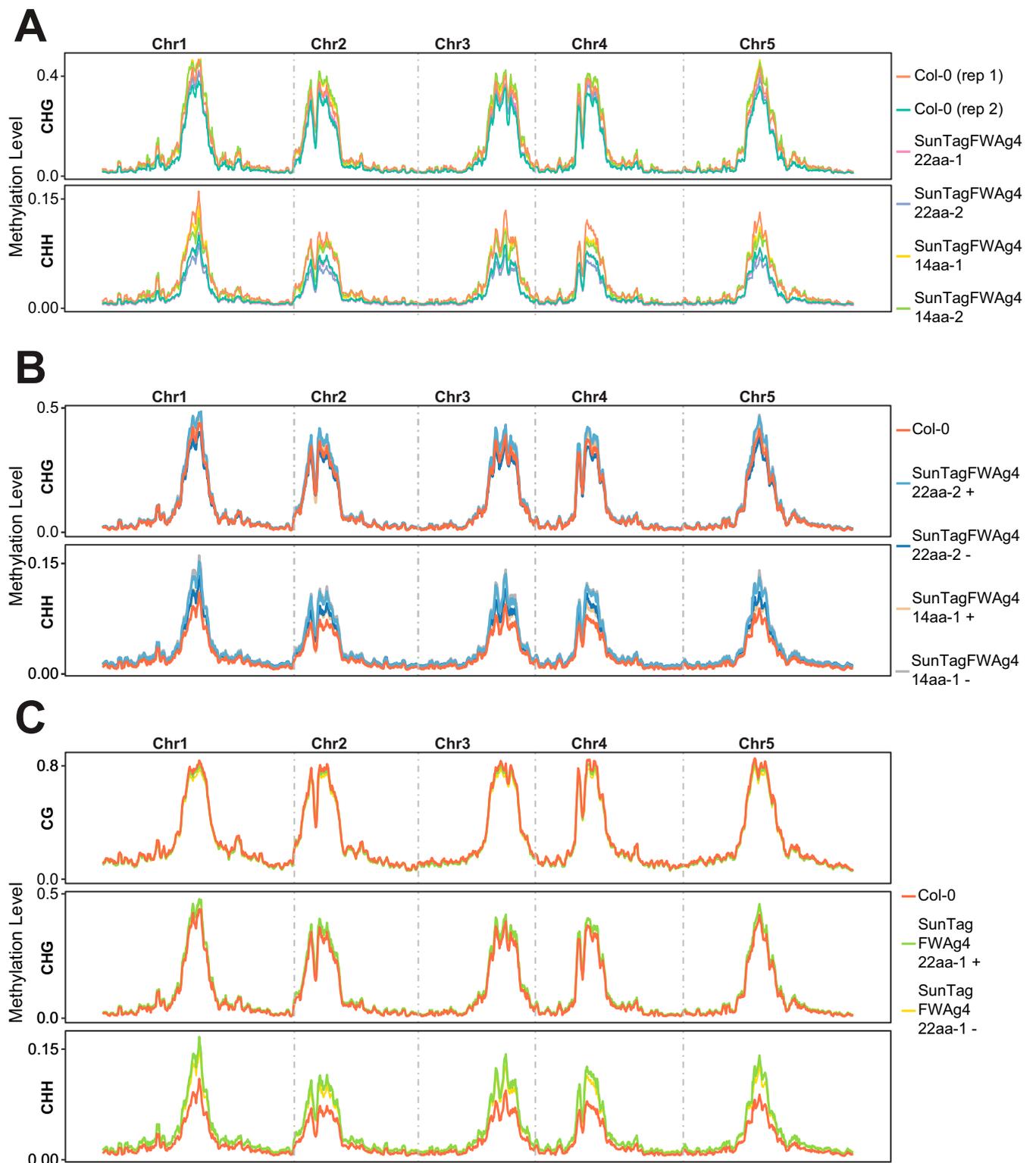
**Fig. S1.** McrBC-qRT-PCR indicates loss of methylation at *FWA* promoter in ZF108-TET1cd T1 plants. McrBC-qRT-PCR analysis of methylation in eight independent ZF108-TET1cd T1 plants, Col-0, and *fwa-4* controls. Mean values  $\pm$  SD ( $n = 3$ , technical replicates). Oligos were designed to amplify the *FWA* promoter or a control region used to differentiate ZF108-TET1cd T1 plants in the Col-0 background from *fwa-4*.











**Fig. S6.** *FWA*-targeted SunTag-TET1cd does not affect global DNA methylation levels. (A) Genome-wide distribution of CHG and CHH methylation in two independent Col-0, and two representative T1 lines each for SunTagFWAg4-22aa and SunTagFWAg4-14aa. (B) Genome-wide distribution of CHG and CHH methylation in Col-0, one T2 plant containing the transgene (+) and one that had segregated it away (-) for the SunTagFWAg4-22aa and SunTagFWAg4-14aa lines shown in Fig. 4D. (C) Genome-wide distribution of CG, CHG and CHH methylation in Col-0, one T2 plant containing the transgene (+) or one that had segregated it away (-) for a second representative line expressing SunTagFWAg4-22aa (SunTagFWAg4-22aa-1).

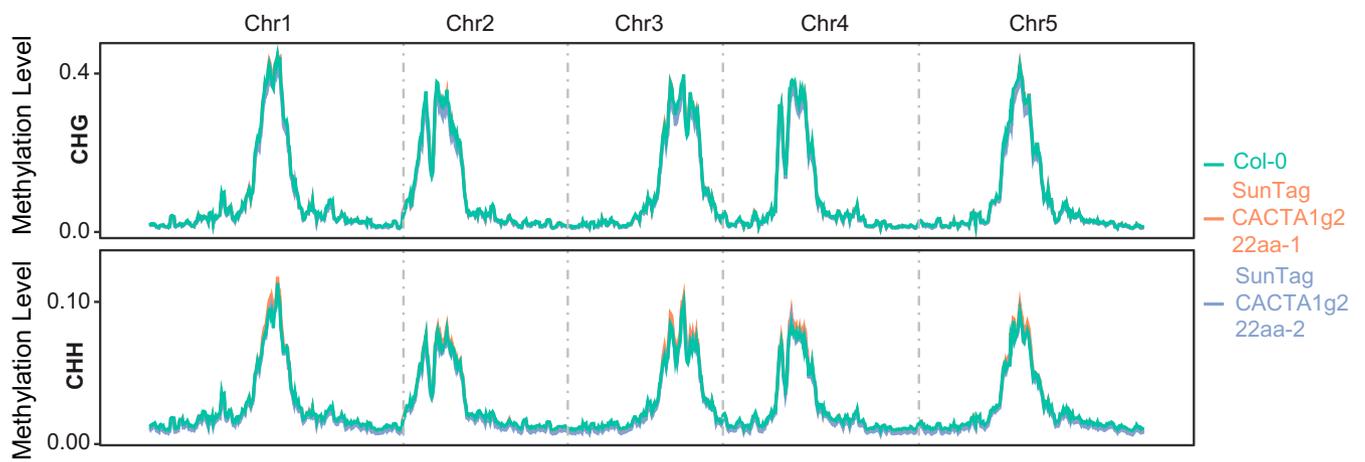
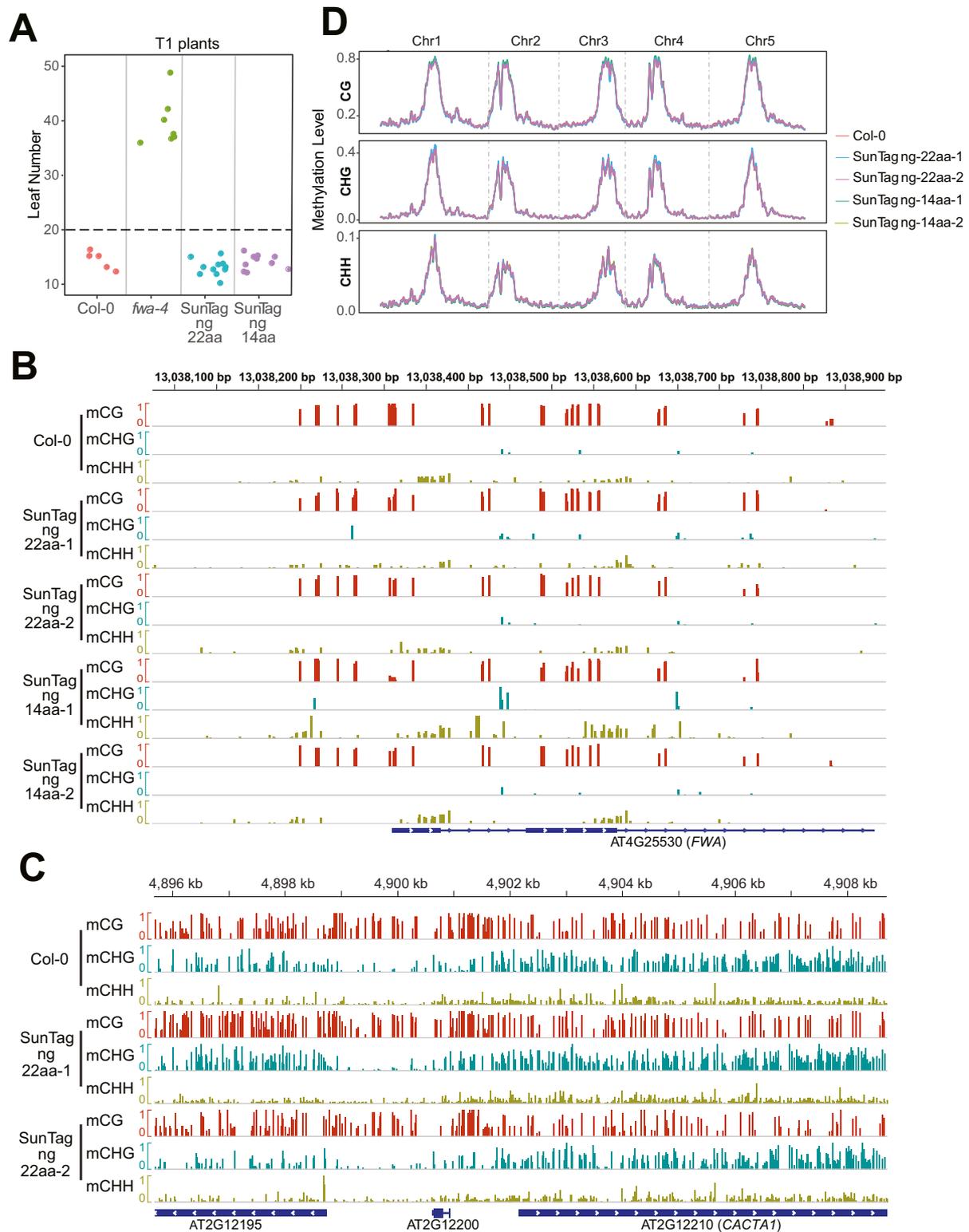


Fig. S7. *CACTA1*-targeted SunTag-TET1cd does not affect global DNA methylation levels. Genome-wide distribution of CHG and CHH methylation in Col-0 and two representative SunTagCACTA1g2-22aa T1 lines.



**Fig. 58.** SunTag-TET1cd with no gRNA (SunTagng) does not affect global DNA methylation levels. (A) Flowering time of Col-0, *fwa-4* controls, and SunTagng-22aa and SunTagng-14aa T1 plants. (B) Screenshot of CG, CHG, and CHH methylation levels over the *FWA* promoter in Col-0 and two representative T1 lines each for SunTagng-22aa and SunTagng-14aa. (C) Screenshot of CG, CHG, and CHH methylation levels over the *CACTA1* region in Col-0 and two representative T1 lines for SunTagng-22aa. (D) Genome-wide distribution of CG, CHG, and CHH methylation in Col-0 and two representative T1 lines each for SunTagng-22aa and SunTagng-14aa.

Dataset S1. Nucleotide sequences of the different ZF-TET1cd and SunTag-TET1cd fusions used in this work

[Dataset S1](#)