Supplementary Information (SI)

Journal name: Journal of Plant Research
Title: A conserved mechanism determines the activity of two pivotal transcription factors that control epidermal cell differentiation in *Arabidopsis thaliana*
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Table S1 and S2
Fig. S1–S3

Table S1: List of primers used for plasmid construction

Name	Sequence (5’ to 3’)
PDF2-m1-F	AGTTCTTCACTGTTGATACATATGTACCATCCAAACATGTT
PDF2-m1-R	TGTAGCCACCAAACGTTTCGCACCGAAAGCT
PDF2-m2-F	CGAAACGTTTGGTGGCTACACTCGAACGAC
PDF2-m2-R	GAGTTGTTGATTCAGAATTGCTACGCTCCTCCTCCAACAT

Table S2: List of primers and PCR conditions used for RT-PCR analysis

Gene	Forward primer (5' to 3')	Reverse primer (5' to 3')	annealing temp.	cycles
PDF2-EGFP	TATGTGATTTACGCGCCAGTG	CTCGCCCTTGCTCACCATAC	55	30
NLS-mCherry	GACCCCCAAAGAAGAAGCGTA	CTGCTTGATCTCGCCCTTCA	55	30
TUB2	CTCAAGAGGTTCTCAGCAGTA	TCACCTTCTTCATCCGCAGTT	55	30

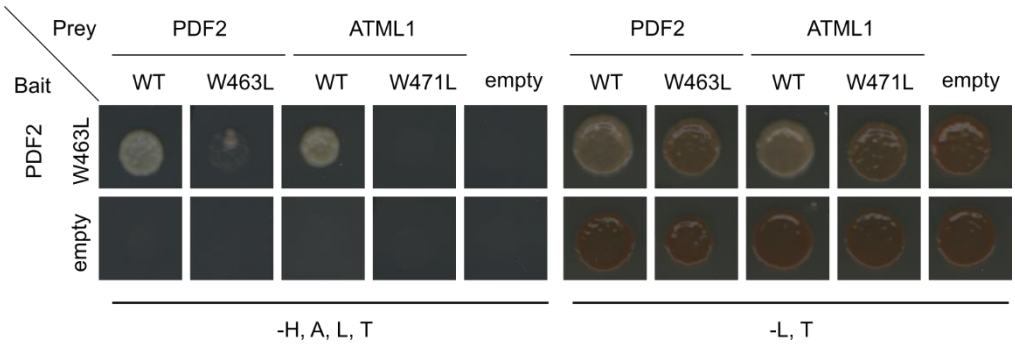

Fig. S1 Y2H assay of interaction among PDF2, PDF2^{W463L}, ATML1, and ATML1^{W471L}. Yeast cells were grown for four days on SD medium without Leu and Trp (-L, T) or without His, Ala, Leu, and Trp (-H, A, L, T).

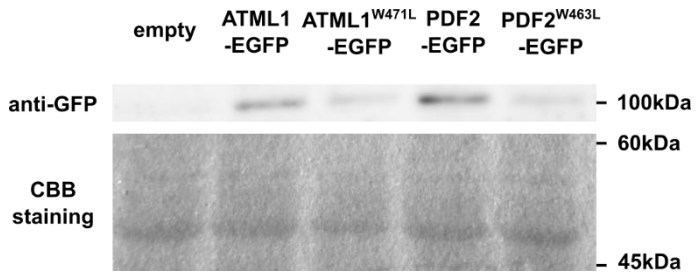

Fig. S2 Transient overexpression assay of ATML1-EGFP, ATML1^{W471L}-EGFP, PDF2-EGFP or PDF2^{W463L}-EGFP. ATML1-EGFP, ATML1^{W471L}-EGFP, PDF2-EGFP, and PDF2^{W463L}-EGFP were expressed in *Nicotiana benthamiana* leaves, and the protein levels were monitored by western blotting. Coomassie Brilliant Blue-stained membranes were used as loading controls.

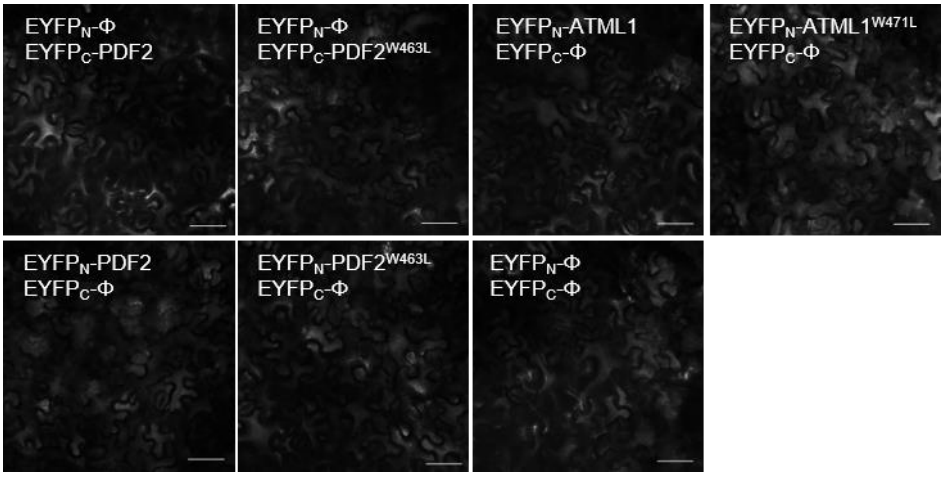

Fig. S3 BiFC negative assays. EYFP$_N$-Ø and EYFP$_C$-Ø indicate empty vectors (i.e., p35S::EYFP$_N$ or p35S::EYEP$_C$ (Nagata and Abe. 2021) vector, respectively). Scale bars: 50 μm.