

AP2 domain	
At SHN1	MVQT-KKFRGVQRHWGSWVAEIRHPLLKRRIWLTTFETAAEAARAYDEAAVLMMSGRNAKTNFP LNNNTGET-SEGKTD
Ta SHN1	MVQSKKKFRGVQRHWGSWVSEIRHPLLKRRVWLGTTFETAAEAARAYDEAAVLMMSGRNAKTNFPV PRSANGEIIIVAPAVA
Os SHN1	MVQPKKKFRGVQRHWGSWVSEIRHPLLKRRVWLGTTFETAAEAARAYDEAAVLMMSGRNAKTNFPVQRNSTGD--LATAAD
middle motif	
At SHN1	ISASSTMSSSTSSSS----LSSILSAKLRKCCKSPSPSLTCLRLDTASSHIGVWQKRAGSKSDSSWVMTVELGPASSSQE
Ta SHN1	RDGRGGVGSSSSGAAGASSLSQILSAKLRKCCKTPSPSLTCLRLDTEKSHIGVWQKRAGARADSSWVMTVELNKEPATAA
Os SHN1	QDARSNGGSRNSSAG---NLSQILSAKLRKCCKAPSPSLTCLRLDPEKSHIGVWQKRAGARADSNWVMTVELNKEVEPTE
C terminal motif	
At SHN1	TTSKASQDAILAP---TTEVEIGGSREEVLDEEEKVALQMIEELLNTN
Ta SHN1	AAPTPSDSTVSATPCSSSTSTTGSPPPEAMEDEERIALQMIEELLSSRSPASPSSHG LLHGEEGSLVI
Os SHN1	PAAQP-----TSTATASQVTMDDEEKIALQMIEELLSSRSPASPSSHG--EGE-GSFVI

Fig. 1 Suppl. The alignments of *Arabidopsis* (AtSHN1), wheat (TaSHN1), and rice (OsSHN1/OsWR1) transcription factor sequences at the amino acid level. The TaSHN1 sequence displays 58.1 and 72.8 % identity to the *Arabidopsis* and rice proteins, respectively.

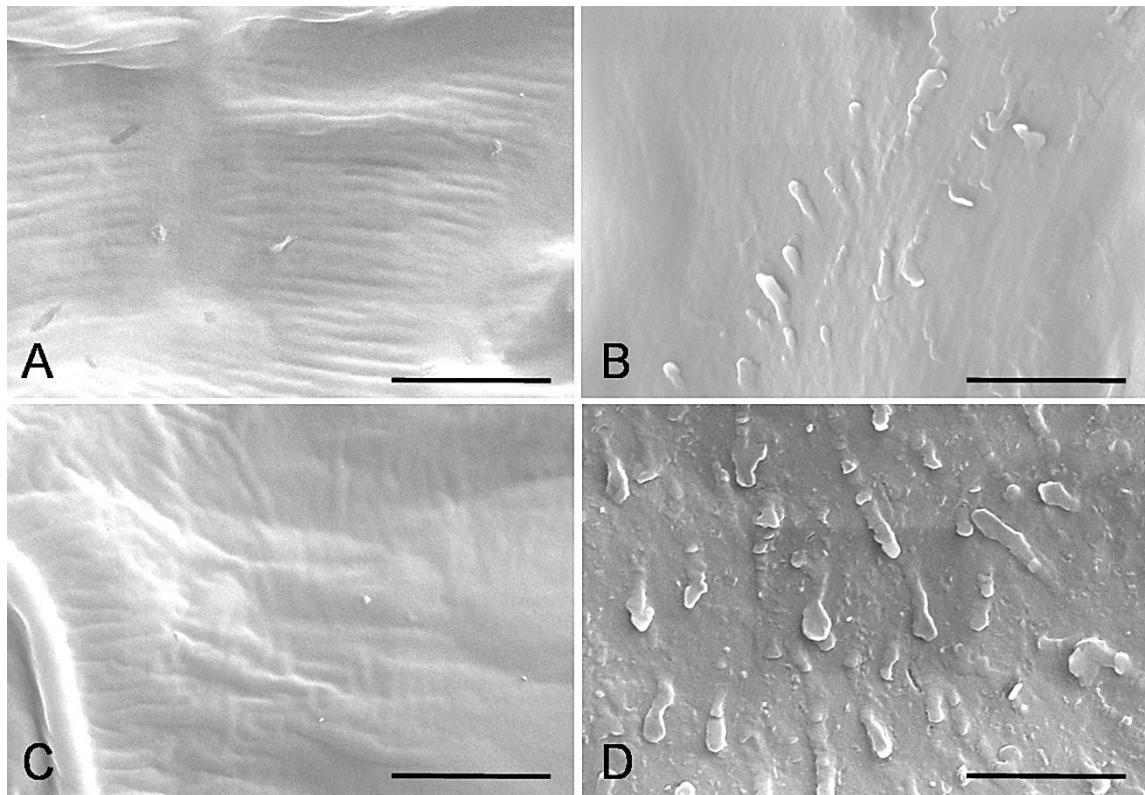


Fig. 2 Suppl. Scanning electron micrographs of abaxial (A,B) and adaxial (C,D) surfaces of wild type (A,C) and Col-TaSHN1-4/2 (B,D) *A. thaliana* leaves. Note the lack of epicuticular wax depositions on wild type leaves, whereas Col-TaSHN1-4/2 leaves carry platelet-like wax structures on both surfaces. The bars represent 5 μ m.

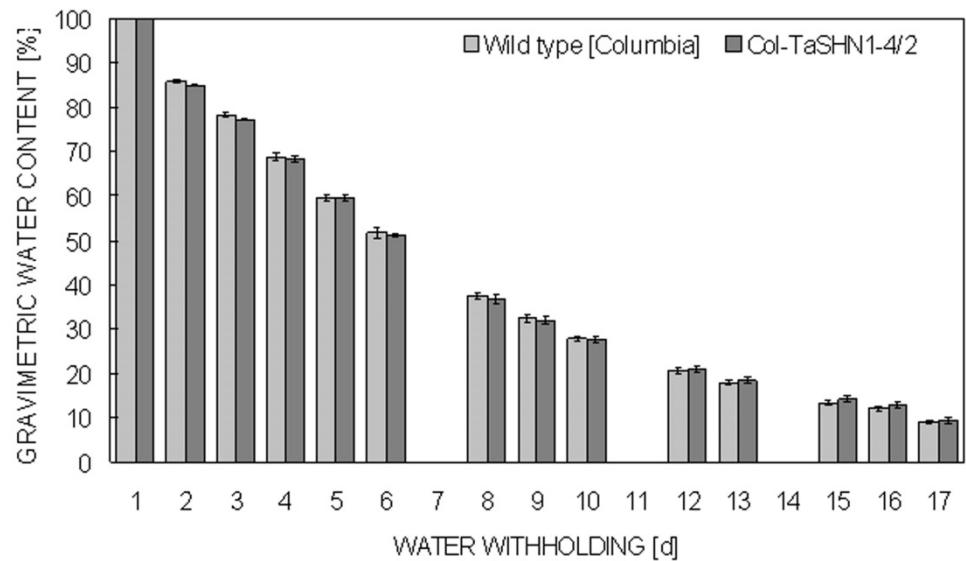


Fig. 3 Suppl. The gravimetric water content (GWC) of the soil in pots of *A. thaliana* wild-type and Col-TaSHN1-4/2 plants during 17-d water withholding.



Fig. 4 Suppl. Wild type (A,C) and Col-TaSHN1-4/2 *A. thaliana* plants (B,D) on the 10th day of total water withholding (A,B) and two days after re-irrigation (C,D).