

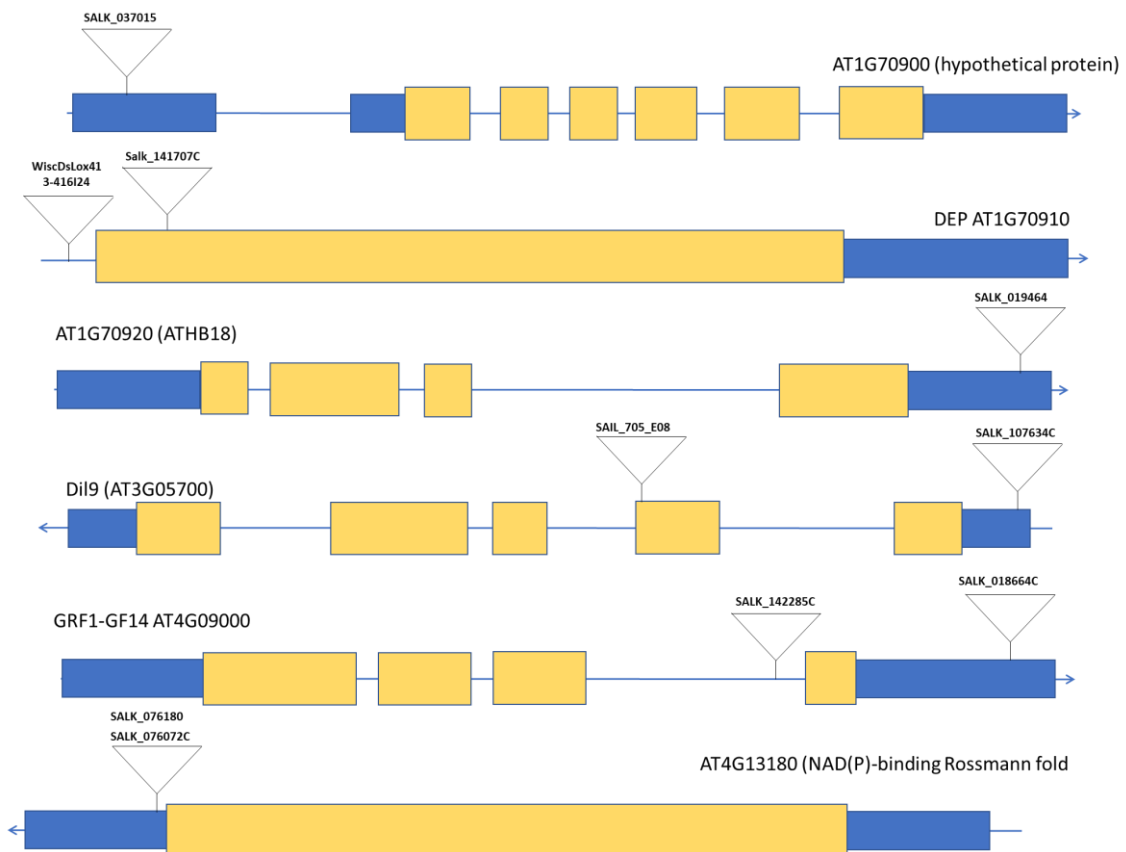
Supplementary Table 1.

List of T-DNA accessions with associated loci and germplasm ID:

Locus	Name	NASC ID	SALK ID
AT1G70900	hypothetical protein	N537015	SALK_037015
AT1G70910	DEP	N681820	SALK_141707C
		N854706	WiscDsLox413-416I24
AT1G70920	ATHB18	N519464	SALK_019464
AT3G05700	Dil9	N863222	SAIL_705_E08
		N663605	SALK_107634C
AT4G09000	GRF1-GF14	N655320	SALK_018664C
		N657057	SALK_142285C
AT4G13180	NAD(P) Rossmann	N663004	SALK_076072C
		N576072	SALK_076180

Supplementary Figure 1:

Gene models for the analysed genes and location of the T-DNA:



Supplementary Table 2:

List of primers used for homozygous T-DNA lines

SALK ID	Product size	LP	RP	BP+RP_PRODUCT_SIZE
SALK_037015.51.25.x	997	AAAGGATGATTACCTCGGTGC	TACCAATCACAAGGTCCGTTTC	474-774
SALK_141707.39.15.x	1076	ATTTTCGACATGATGTGAAGCC	ACCGAAACAAGTACCTGTTG	551-851
WiscDsLox413-416124	1053	CTCAGGTAGCATTTGCCAAAC	TGTTTCCATGTCTGGTTCCCTC	539-839
SALK_019464.30.60.x	1134	GGCTAACAGCTCCACAACAG	GTTGAAGGAACAAAATCGACG	465-765
SAIL_705_E08	1237	CAAGATCTCGGCGTCTAGATG	CAATTACAAAAGCCCCCTTTT	595-895
SALK_107634.21.55.x	1068	CAAGATCTCGGCGTCTAGATG	CCTAAACTACCTTCGCCCATC	535-835
SALK_018664.53.25.x	1095	GGGAAAGAAGACCCTGTTGAG	TCGTGTAAGTTGGGAATTG	493-793
SALK_142285.33.35.x	989	ACGGCTCTCCTTTCTTCTCAC	ATCCAATTCAGCAATTGCTTC	443-743
SALK_076072.50.65.x	1101	TGTCGTCTCGGATAAAGATGG	TCTCGCAACTTCCAAAATTTG	572-872

Type of T-DNA line	Primer- ID	Primer sequence
SALK	LB-1.3	ATTTTCCGATTTCCGGAAC
SAIL	LB-1.3	TAGCATCTGAATTTCAATCAATCTCGATACAC
WiscDsLoxHs	L4	TGATCCATGTAGATTTCCGGACATGAAG

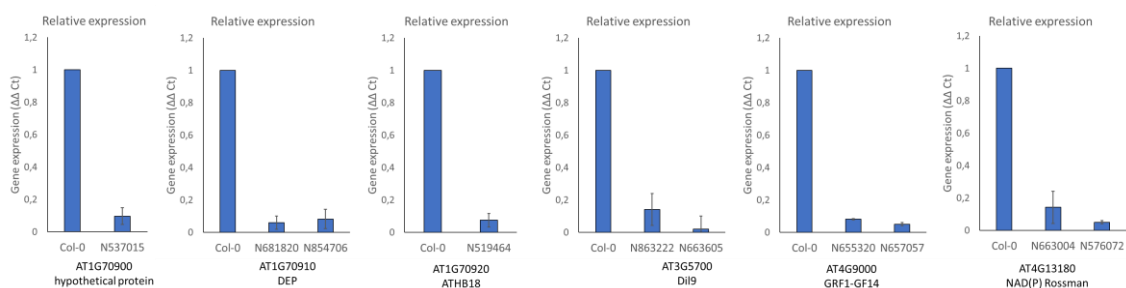
Supplementary Table 3:

List of primers used for qRT-PCR validation of gene transcription:

Locus	Name	Forward primer	Reverse primer
AT1G70900	hypothetical protein	GTATGCAGGCACCGAGGAAA	TCTTCTAAGCGCCCTCGT
AT1G70910	DEP	ATGCCAAATTGTGCGCATGT	CAACACCACAGAGAGGGCAA
AT1G70920	ATHB18	AATCGAAGAGCTCGGAGTAAGC	CCGAGGTCGATGATGGCTTT
AT3G05700	Dil9	TCCAGTTTGTGCGGTTAGGG	TCTTTCGGTGCATCTTGA
AT4G09000	GRF1-GF14	CGCATCCGATTCGTCTTGGT	TTGCTTCATCAAACGCCTGC
AT4G13180	NAD(P) Rossmann	TATAGTGACCGGAGCCACCA	CATAGGACAAGCCCTGCAA
AT5G62690	TUB2	CAACTCTGACCTCCGAAAGC	CTTGAGTCCACATTTGCT

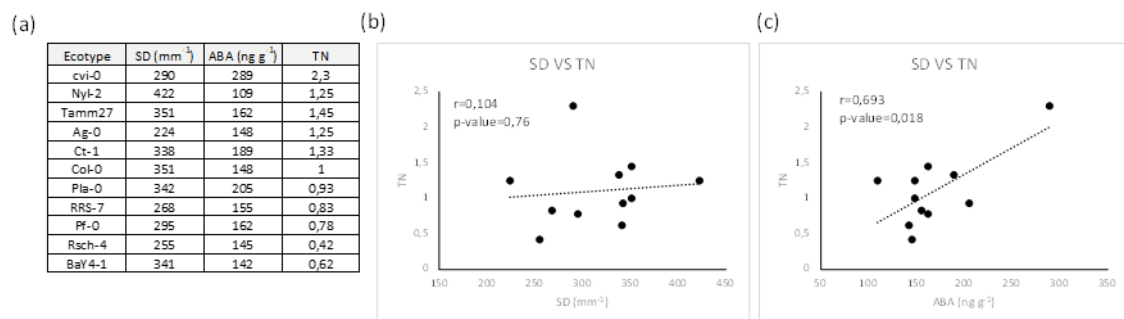
Supplementary Figure 2:

Gene expression of T-DNA lines and Col-0.



Supplementary Figure 3:

Table with data (a) and correlations between stomatal density (SD, mm^{-2} , b) and abscisic acid concentration in leaves (ABA ng g^{-1} , c) and TN in selected extreme ecotypes.



Supplementary Figure 4:

Pictures of the experimental setting

