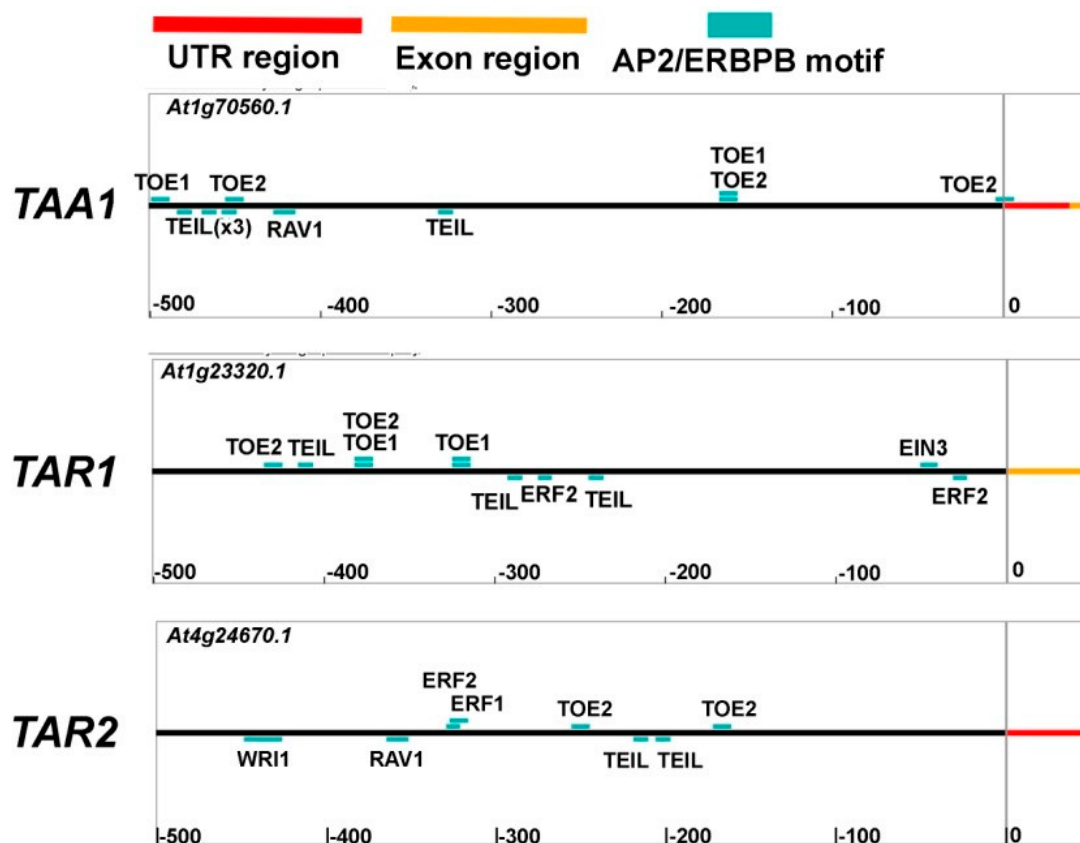


The Diverse Salt Stress Response of *Arabidopsis ctr1-1* and *ein2-1* Ethylene Signaling Mutants is Linked to Altered Root Auxin Homeostasis

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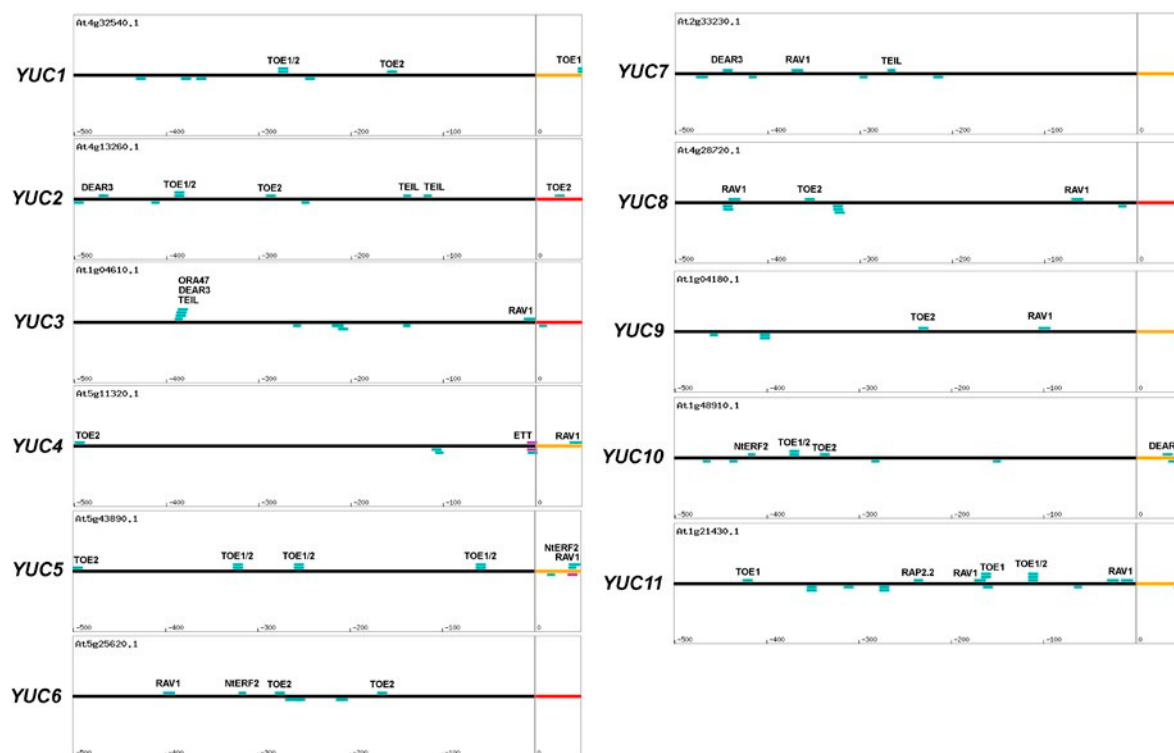


Figure S1. AthaMap analyses of promoter regions (–500 to +50 b.p.) of the genes coding for TAA1, TAR1, TAR2, and YUCs (1–11).

Table S1. TF DeCON in silico screen of the auxin Trp-dependent biosynthesis TAA1 (At1g70560), TAR1 (At1g23320), TAR2 (At4g24670) and YUC1–11 (resp. AT4G32540, AT4G13260, AT1G04610, AT5G11320, AT5G43890, AT5G25620, AT2G33230, AT4G28720).

TF ID	Family	Gene name	Genome count	Genome ratio	Query count	Query ratio	logFC	P value	adj.P value
AT1G46768	AP2-EREBP	RAP2.1	1889	0.068306	5	0.357143	2.386419	0.001757	0.018726
AT4G06746	AP2-EREBP	RAP2.9	2105	0.076116	5	0.357143	2.230221	0.002841	0.023911
AT5G25810	AP2-EREBP	TINY	1602	0.057928	4	0.285714	2.302239	0.007028	0.036683

AT1G04180, AT1G48910, AT1G21430) using public database. The data analysis was done by setting the maximum *p*-value at 0.05 and the logFC filter at 2 to narrow down the displayed results

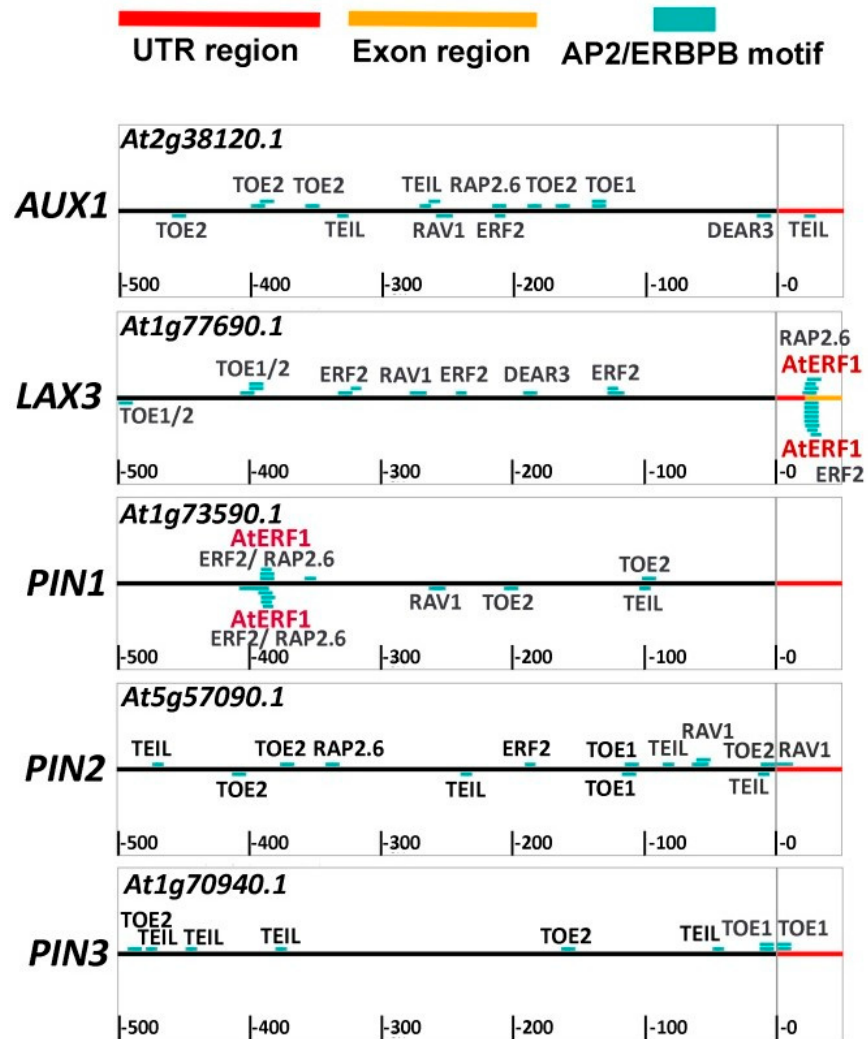


Figure S2. AthaMap analyses of promoter regions (-500 to +50 b.p.) of the auxin transporter genes *AUX1*, *LAX3*, *PIN1*, *PIN2*, and *PIN3*.

Table S2. TF DeCON in silico screen of the auxin transport genes PIN1-8 (resp. AT1G73590, AT5G57090, AT1G70940, AT2G01420, AT5G16530, AT1G77110, AT1G23080, AT5G15100), *AUX1/LAX1/ 2/ 3* (AT2G38120, AT5G01240, AT2G21050, AT1G77690) and ABCB1/4/19.

TF ID	Family	Gene name	Genome count	Genome ratio	Query count	Query ratio	logFC	P value	adj.P value
AT1G46768	AP2-EREBP	RAP2.1	1889	0.068305912	6	0.4	2.549917643	0.000294507	0.025499675
AT1G44830	AP2-EREBP	ERF014	1398	0.050551437	5	0.333333333	2.721141586	0.000642796	0.030885482
AT5G25810	AP2-EREBP	TINY	1602	0.057928042	5	0.333333333	2.524631787	0.001193024	0.0341608

The data analysis was done by setting the maximum *p*-value at 0.05 and the logFC filter at 2 to narrow down the displayed results.

Table S3. Primers used in the qRT-PCR analyses.

Gene Name	Locus	Amplicon		Forward Primer (5'-3')	Reverse Primer (5'-3')
		Length	(b.p.)		
AUX1	AT2G38120	151		GAGGTCACGCGGTTACTGTT	GAGAGAAAGCGTTGGAGTGG
LAX3	AT1G77690	185		CACAACTTGGGATGATGTCTG	AATGTTTCCCCAACAATCCA
PIN1	AT1G73590	224		TAAGGTGATGCCACCAACA A	GCCATGAACAACCCAAGACT
PIN2	AT5G57090	235		CTTTCTTTGGCAGGCGTTTA	ACTGCTCGGAGATGAGAAGC
PIN3	AT1G70940	209		ATCTTCTCACCCGACCAATG	GATGCTCCACTCGAGGCTAC
ACTIN2	AT3G18780	67		CTTGACCAAGCAGCATGA A	CCGATCCAGACACTGTACTTC CTT
EF1ALPHA	AT5G60390	151		AGCACGCTCTTCTTGCTTTC	GGGTTGTATCCGACCTTCTTC