Supplemental data

Supplemental Table 1. Primers used for amiRNA sequencing and cloning

PRIMER NAME	SEQUENCE
PHA2804F	AGAGAACACGGGGGGACGAG
PHA3479R	AAACCGGCGGTAAGGATCTG
RE-AMI-F	GGGGACAAGTTTGTACAAAAAAGCAGGCTTAGAATTCCTGCAGCCCCAAACACACG
RE-AMI-R	GGGGACCACTTTGTACAAGAAAGCTGGGTCGGATCCCCCCATGGCGATGCCTTA

Supplemental Table 2. Salk lines and primers for genotyping

GENE	GENE ID	SALK LINE	PRIMER SEQUENCE
ERF34	AT2G44940	SALK_020979C	LB1.3: ATTTTGCCGATTTCGGAAC
			LP: TGTTAAGAGGTGACGCACATG
			RP: ACTCACATCGTTGACCGAATC
ERF35	AT3G60490	SALK_111486C	LB1.3: ATTTTGCCGATTTCGGAAC
			LP: TTATCGATAACCGGTTTGTGC
			RP: TAAAACAATCCAGACCCATGC
CRISP RCBF1/ 2/3	AT4G25490	GT1	AGACAGCGAGTGGAACATCG
	AT4G25470	GT2	TTGTTGCTTATGGGGAGACCA
	AT4G25490	GT3	AAGTCCCGAGCCAAATCCTG

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Supplemental Table 3. Primers used for RTq-PCR

PRRMER	SEQUENCE
PHT1;1-QF	GTTCTTAATTTCTCCTGCCAAGCTGATTA
PHT1;1-QR	CATCATAACTTAAGGTCAACGAGCCAATA
PHT1;2-QF	GAACAACAACTAGGAGTGCTAAAGGCACT
PHT1;2-QR	CTAACTTCAGCTTCACCAGAGAGTTCTTC
PHT1;3-QF	GATCAACAGCTAGGAGTGCTAAAGGCACT
PHT1;3-QR	TATCAACCTCAGCCTCGCCGGAGAGTTCT
PHT1;4-QF	CTCTCTCAACATTTTCCCCTGAAAATAAG
PHT1;4-QR	AGAACAACTTGAGTTGCTAGAGACAAGGA
PHT1;5-QF	ACGCAGCCAAAACGCAGATGTACCATTTC
PHT1;5-QR	GGACTTTTCTACCGGAATTTGCCACAGTC
PHT1;6-QF	ACGTTATACATCATGGCAGGAATCAAT
PHT1;6-QR	AAGCTCCTCAAGTGATTTCCCATTAGT
PHT1;7-QF	TGGAGGATATCCATGCTCTGTCT
PHT1;7-QR	CGCGGCTTCTGGAAAATTAG
PHT1;8-QF	GCTCTTCCTGCTGCATTGACG
PHT1;8-QR	AGGAGGTGGATCCGTCGTGGCTT
PHT1;9-QF	CCGCCAGATACACAGCATTGGT
PHT1;9-QR	CGACCGTGGAGACTGAGGAAAC
PHT4;1-QF	TCTTCTGGGGTTACCTTCTTACACAGA
PHT4;1-QR	TGAGAATTGTAGCGATTGACCACCAA
PHT4;2-QF	GATGATGCCTGAGAGGATTAAGGTAGT
PHT4;2-QR	TAACAACTCTGTCGGCGTTACATAGA
PHT4;3-QF	CAGAATTTATAACGTCGGAGAGAGTCAAA
PHT4;3-QR	AAAATGATTTGCTCCATCCACGAGAAAG
PHT4;4-QF	TGTGAACATGAGCATTGCAATTCTT
PHT4;4-QR	CAACAGTTGCACTACTCCAGTTATATTCT
PHT4;5-QF	TCCAGTCTTCCTTCTTTTGGGGTTATG
PHT4;5-QR	CGAAAGACCATGTAAAGACACCAATCT
PHT4;6-QF	GATTGGTTTCGATAACGACATCAGGAA
PHT4;6-QR	ATTCCGGACCTCTAAGCTCAACTAA
PHT2;1-QF	CTCCTCTCTTCCTTAGCTGCAGCTG
PHT2;1-QR	GCGAATGACATGAAGCAAGCGGAGAG
HP30-1-QF	GCGTTGACCCTCAAGCCATA
HP30-1-QR	CTGCCACCACTGCAGATTCA
HP30-2-QF	TTAGCTGACCCAACTCTGCC
HP30-2-QR	TAGCTCAGGGTCCCTTTGGA

CPK31-QF	CGCTGGGAGTGCTTACTACATTGC
CPK31-QR	ACTTCCATGATTCGCTGTCAACGTC

Supplemental Figure 1

Supplemental Figure 2

A Control

WT *erf34* *erf35*

B +30µM Cd

WT *erf34* *erf35*

C +10µM AsIII

WT *erf34* *erf35*

D
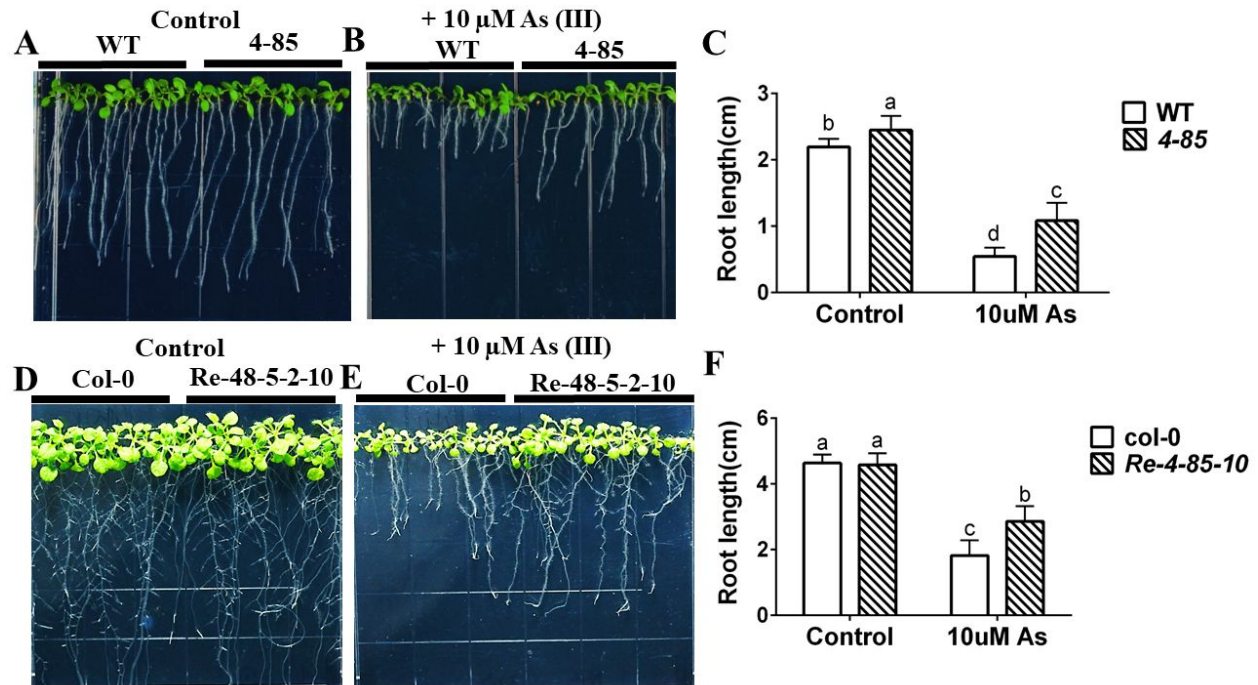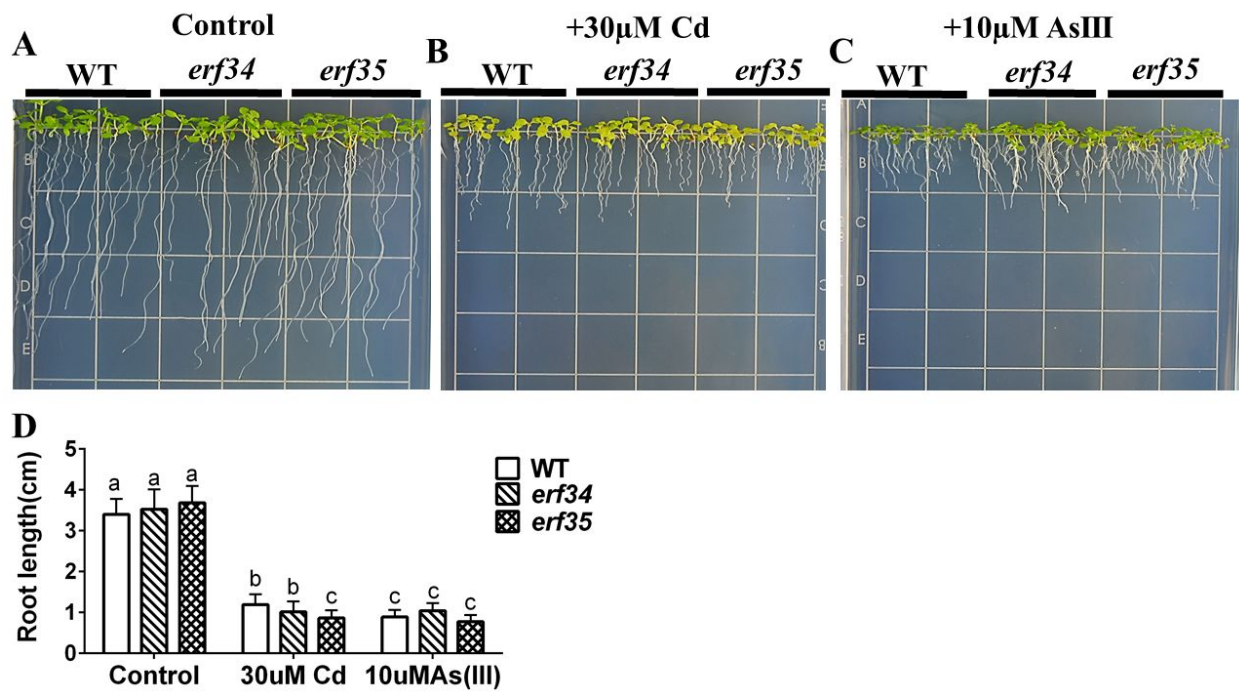
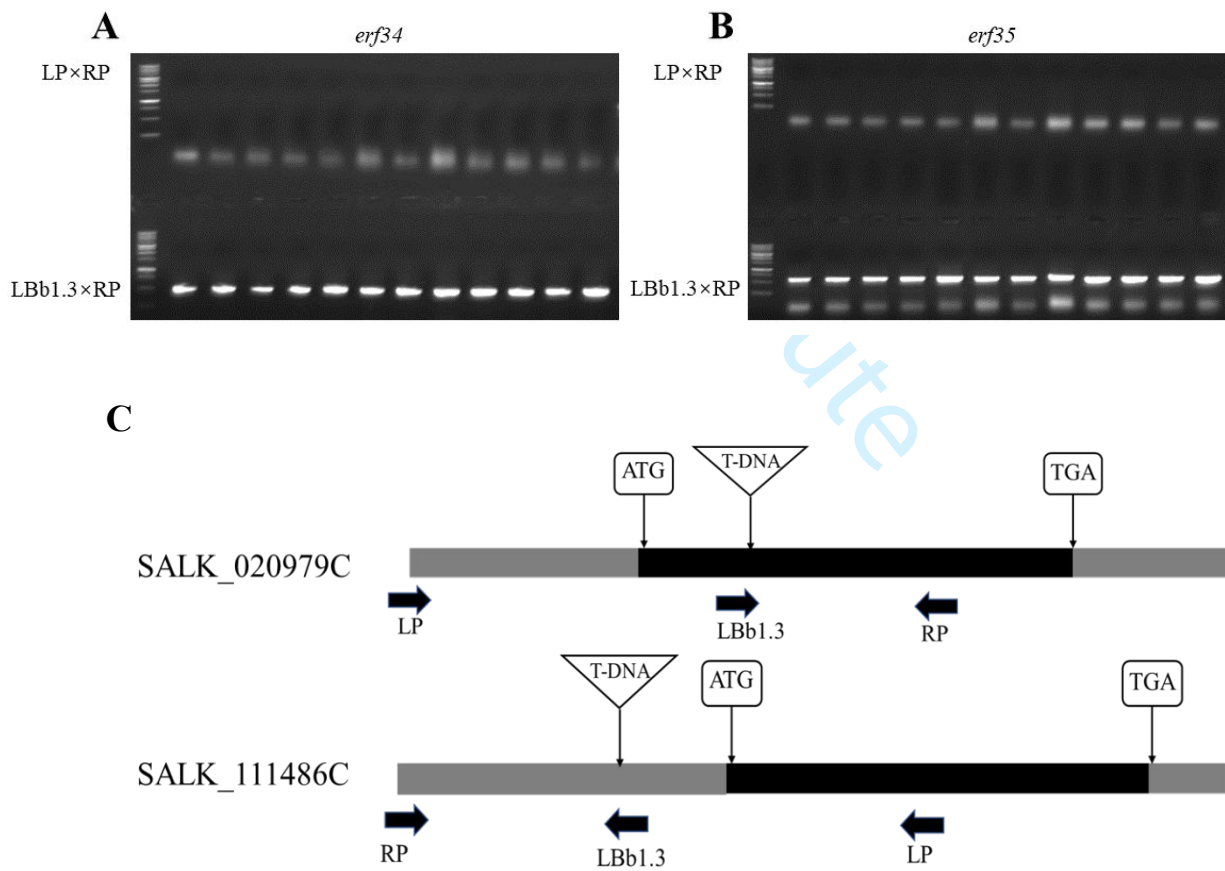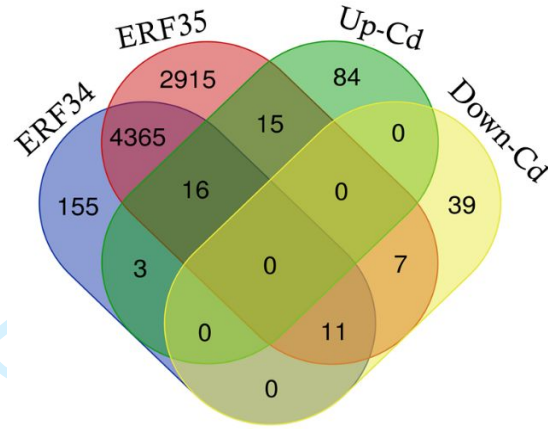# Supplemental Figure 3
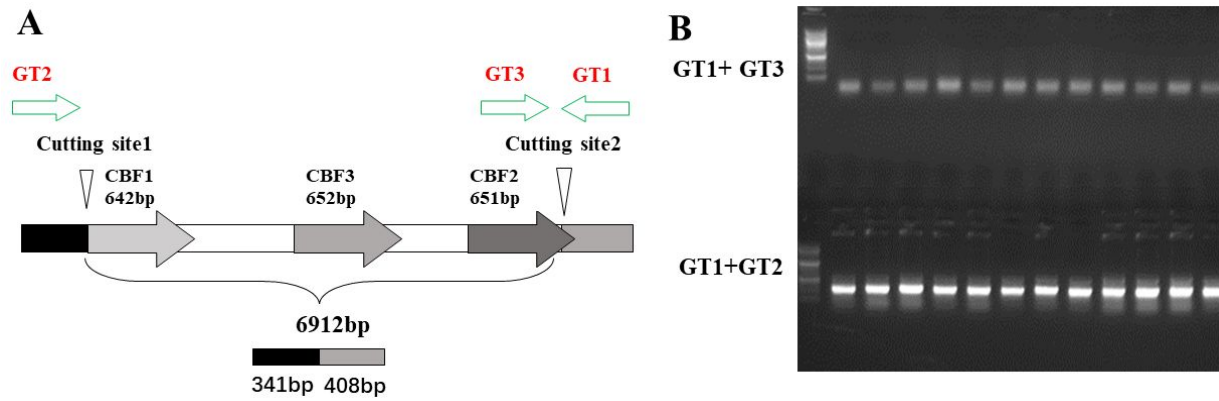
Supplemental Figure 4

Supplemental Figure 5

Supplemental Figure 6