Figure S1 Expression analysis of *CbWRKY27* in wild-type and transgenic lines (OE3-1, OE6-1, OE20-10, OE3-71, OE3-14). qRT-PCR data were normalized to the internal control expression of *CbActin*. The data represent the means ± SD (n =3). Significance analysis was performed using a one-way analysis of variance ANOVA, and different lowercase letters indicate $P < 0.05$.

200 mM Nacl

WT

OE6-1

OE20-10

OE3-71

Figure S2 Phenotypic map of 18-week-old wild-type and transgenic plants after treatment with 200 mM NaCl for two days. Bar=10 cm.
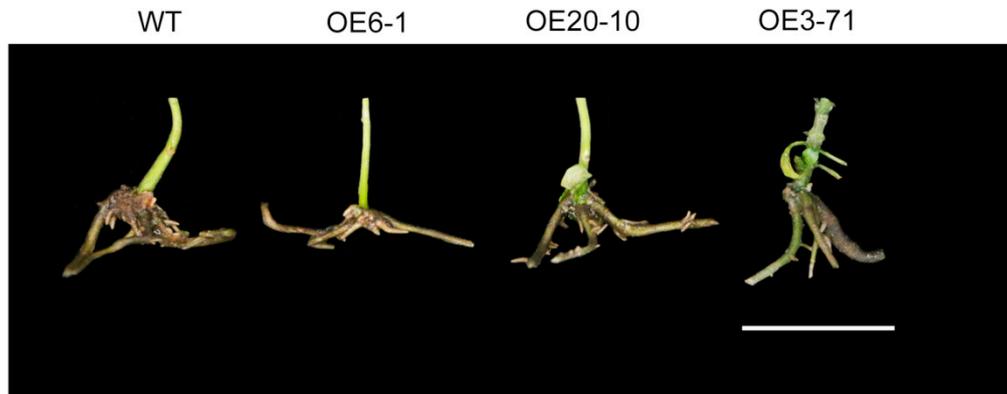

Figure S3 Root growth of six-week-old wild-type and transgenic seedlings before ABA treatment. Bar=2 cm.

Supplementary Table S1: Primer sequences

Primer name	Homologous *Arabidopsis*	Sequence (5'- 3')	Note
CbNN1-eGFP-F		GGGGTACCATGGACGACGATTGGGATCT	Kpn I
CbNN1-eGFP-R		CGGGATCCACCACCGCCGGCGATGGTGG	BamH I
CbNN1-BD-F		CATGGAGGCCGAATTCATGGACGACGATTGGGATCT	EcoR I
CbNN1-BD-R		TAGTTATGCGGCCGCTGCAGTTAACCACCGCCGGCGATGGTGG	Pst I
CbNN1(N)-BD-F		CATGGAGGCCGAATTCATGGACGACGATTGGGATCT	EcoR I
CbNN1(N)-BD-R		TAGTTATGCGGCCGCTGCAGAGAAGTTAAATTCTCAGCAGG	Pst I
CbNN1(N+W)-BD-F		CATGGAGGCCGAATTCATGGACGACGATTGGGATCT	EcoR I
CbNN1(N+W)-BD-R		TAGTTATGCGGCCGCTGCAGGTGGTTGTGCTCCCCCGTGTA	Pst I
CbNN1(W+C)-BD-F		CATGGAGGCCGAATTCGATATGTGGTCATGGAGAA	EcoR I
CbNN1(W+C)-BD-R		TAGTTATGCGGCCGCTGCAGTTAACCACCGCCGGCGATGGTGG	Pst I
CbNN1(C)-BD-F		CATGGAGGCCGAATTCCCCATGCCTACTCACCGGAA	EcoR I
CbNN1(C)-BD-R		TAGTTATGCGGCCGCTGCAGTTAACCACCGCCGGCGATGGTGG	Pst I

CbNN1-AD-F		TGCCTCTCCC**GAATTC**ATGGACGACGATT GGGATCT	EcoR I
CbNN1-AD-R		CGAGTCGGCC**GAATTC**TTAACCACCGCC GGCGATGGTGG	EcoR I
W-box-LacZ-F		ATCTGTCGAC**CTCGAG**TTGACTTTGACTT TGACT	Xho I
W-box-LacZ-R		GAGCACATGC**CTCGAG**AGTCAAAGTCAA AGTCAA	Xho I
mW-box1-LacZ-F		ATCTGTCGAC**CTCGAG**TTGAtTTTGAtTTT GAtT	Xho I
mW-box1-LacZ-R		GAGCACATGC**CTCGAG**AaTCAAAaTCAA AaTCAA	Xho I
mW-box2-LacZ-F		ATCTGTCGAC**CTCGAG**TcGACTTcGACTTc GACT	Xho I
mW-box2-LacZ-R		GAGCACATGC**CTCGAG**AGTCgAAGTCgA AGTCgA	Xho I
mW-box3-LacZ-F		ATCTGTCGAC**CTCGAG**TTaACTTTaAC TTTaACT	Xho I
mW-box3-LacZ-R		GAGCACATGC**CTCGAG**AGTtAAAGTt AAAGTtAA	Xho I
mW-box4-LacZ-F		ATCTGTCGAC**CTCGAG**TTGgCTTTGgC TTTGgCT	Xho I
mW-box4-LacZ-R		GAGCACATGC**CTCGAG**AGcCAAAGcC AAAGcCAA	Xho I
pCAMBIA2300-*CbNN1*-F		ACGC**GTCGAC**ATGGACGACGATTGG GATCT	Sal I
pCAMBIA2300-*CbNN1*-R		GC**TCTAGA**TTAACCACCGCCGGCGAT GG	Xba I
1305-*CbNN1*-F		AAGTCCGGAGCTAGC**TCTAGA**ATGG ACGACGATTGGGATCT	Xba I
1305-*CbNN1*-R		GCCCTTGCTCACCAT**GGATCC**ACCAC CGCCGGCGATGGTGG	BamH I
GUS-F		TGAATCCGCACCTCTGG	
GUS-R		TTCATTGTTTGCCTCCCT	
CbNN1-qRT-F		CGACCCGGGAATGTTTATCG	
CbNN1-qRT-R		GGCGAGCGAGATGATTGTT	
Actin-qRT-F		GATGATGCTCCAAGAGCTGT	
Actin-qRT-R		TCCATATCATCCCAGTTGCT	
NCED3-F	NCED3	CAACAATGACGCACGATT	
NCED3-R	NCED3	GACATCTTGAACACCACTTG	
ABI3-F	ABI3	CGTATGGCTTGACAGAGA	
ABI3-R	ABI3	AGGAGGAAGAAGAAGATGAC	
ABI5-F	ABI5	CAGAGTGGTGTAGGAGAG	
ABI5-R	ABI5	CGATGGTGGTTGTGAGTA	

RD22-F	RD22	AACTCAACTGCATGACAACCCC
RD22-R	RD22	TTGCCGAAAACTTATCCAAAAT
RD29B-F	RD29B	TGAAGGATAAGGCGAAGAA
RD29B-R	RD29B	TTGATTGTAGGAGCACCAT
APX-F	APX	AAGGATTCCATGATCTCCCC
APX-R	APX	TGTGCTTTTCCCAATGTGTG
SOD-F	SOD	AGCAGCAGCGAGGGTGTT
SOD-R	SOD	CGGGATTGAAGTGGGGTC

Supplementary Table S2: Overexpression of *CbWRKY27* enhances ABA sensitivity in transgenic plants.

	ABA (0 μM)				ABA (25 μM)			
	WT	OE6-1	OE20-10	OE3-71	WT	OE6-1	OE20-10	OE3-71
lateral roots length(cm)	2.57±0.49	2.76±0.68	2.36±0.45	2.68±0.67	1.18±0.19	0.97±0.26*	0.82±0.23**	0.89±0.27**
Number of lateral roots	20.33±3.79	14.33±1.53*	14.33±2.52*	14.33±2.31*	26.67±3.51	20.00±3.00*	20.33±2.52*	20.00±1.73*

Note: Length of lateral roots and Number of lateral roots before and after ABA treatment. The data represent the means ± SD (n =3), *$p < 0.05$ and **$P < 0.01$ using the Student's t-test.