

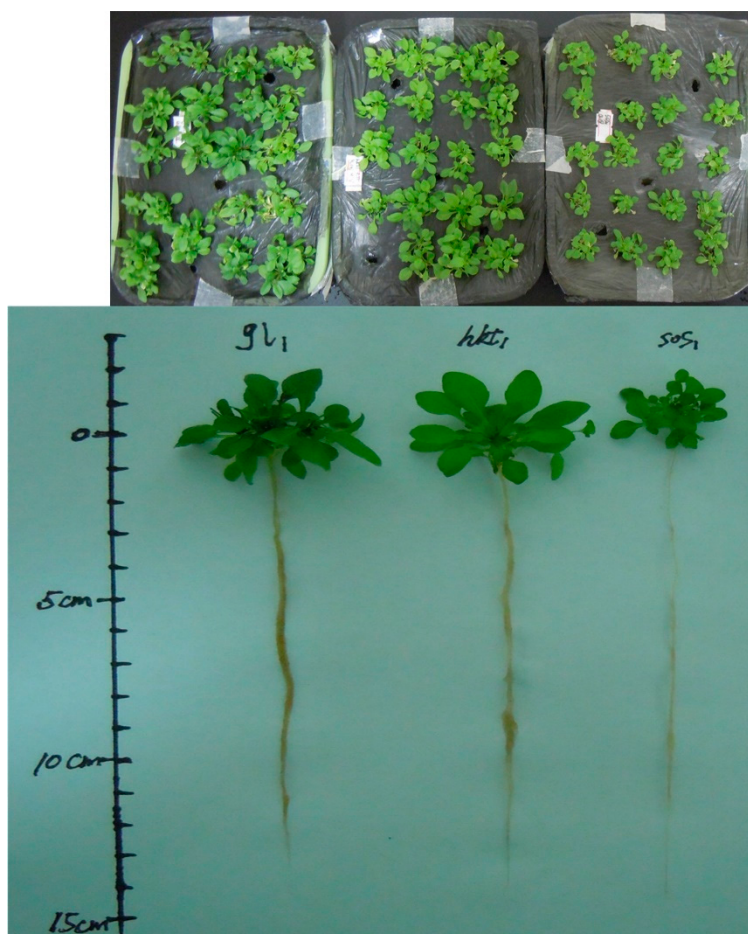


Figure S1. The phenotypic pictures of the plants without salt stress.

Table S1. Sequences of primers used for quantitative real-time PCR amplification and the resulting product size.

Primer	Sequence (5'-3')	Amplicon Length (bp)	Gene
P1	GATTTGTCCCCACGAATGAGA	136	<i>AtSOS1</i>
P2	TGCGAAGAAGGCGTAGAACA		
P3	GATTTGTCCCCACGAATGAGA	116	<i>AtHKT1;1</i>
P4	CAAAACCAAGAAGCAAGGGAAC		
P5	CCGCCCATTTCATCTTCGT	107	<i>AtHAK5</i>
P6	CATCCCTTTCTCTCTCGCTTTC		
P7	AAAGGTCTCACTCATCAACAACGA	89	<i>AtAKT1</i>
P8	TCGGCAAAAGAGGCAAAATAAG		
P9	ACCGAAACAACCTCGGTAGGAA	121	<i>AtSKOR</i>
P10	TTAGCACGGATAGAGACAGGAATG		
P11	ATTGAGCCTTCAGGGAACCA	141	<i>AtNHX1</i>
P12	AAAGCCACGACCTCCAAAGA		
P13	GGCTTACCGACCTCCTTTACC	93	<i>AVP1</i>
P14	CCAAAGACCAACACAAACACAA		
A1	GCACCGCCAGAGAGAAAATAC	170	<i>ACTIN</i>
A2	CACCACCACGAACCAGATAAGA		

Table S2. Fresh weight and dry weight and tissue water content in 6-week-old WT, *atsos1* and *athkt1;1* with or without 25 mM NaCl for 4 days. Values are means $\pm$ SE ($n = 8$) and bars indicate SE. Columns with different letters indicate significant differences at $p < 0.05$ (Duncan's test).

Header	Header	Fresh Weight (mg/plant)		Dry Weight (mg/plant)		Tissue Water Content (g/g DW)	
		Control	25 mM NaCl	Control	25 mM NaCl	Control	25 mM NaCl
Root	WT	25.78 $\pm$ 2.96 b	31.65 $\pm$ 2.19 ab	2.00 $\pm$ 0.20 ab	2.30 $\pm$ 0.09 a	11.76 $\pm$ 0.63 b	12.66 $\pm$ 0.57 b
	<i>atsos1</i>	15.30 $\pm$ 1.17 c	5.21 $\pm$ 0.59 d	1.10 $\pm$ 0.09 bc	0.56 $\pm$ 0.07 c	13.20 $\pm$ 0.65 b	8.76 $\pm$ 1.10 c
	<i>athkt1;1</i>	36.59 $\pm$ 4.03 a	38.42 $\pm$ 3.19 a	2.95 $\pm$ 0.52 a	2.3 $\pm$ 0.15 a	12.67 $\pm$ 0.80 b	15.59 $\pm$ 0.83 a
Shoot	WT	202.29 $\pm$ 9.60 ab	206.98 $\pm$ 8.54 a	13.46 $\pm$ 1.06 a	15.91 $\pm$ 0.78 a	14.77 $\pm$ 0.75 a	12.05 $\pm$ 0.25 b
	<i>atsos1</i>	159.82 $\pm$ 15.21 c	77.74 $\pm$ 3.94 d	9.84 $\pm$ 0.65 b	6.89 $\pm$ 0.31 c	14.78 $\pm$ 0.56 a	10.28 $\pm$ 0.23 b
	<i>athkt1;1</i>	236.94 $\pm$ 9.92 a	167.49 $\pm$ 11.10 bc	15.69 $\pm$ 0.79 a	13.86 $\pm$ 0.79 a	14.36 $\pm$ 0.64 a	11.06 $\pm$ 0.30 b

Table S3. Na⁺ and K⁺ concentrations of roots and shoots and the whole plants in 6-week-old WT, *atsos1* and *athkt1;1* with or without 25 mM NaCl for 4 d. Values are means $\pm$ SE ($n = 8$) and bars indicate SE. Columns with different letters indicate significant differences at $p < 0.05$ (Duncan's test).

Header	Header	Na ⁺ Concentration (mmol/g.DW)		K ⁺ Concentration (mmol/g.DW)	
		Control	25 mM NaCl	Control	25 mM NaCl
Root	WT	0.25 $\pm$ 0.05 d	0.68 $\pm$ 0.02 b	1.22 $\pm$ 0.05 b	0.81 $\pm$ 0.10 bc
	<i>atsos1</i>	0.34 $\pm$ 0.05 cd	1.37 $\pm$ 0.16 a	1.25 $\pm$ 0.09 b	0.58 $\pm$ 0.04 c
	<i>athkt1;1</i>	0.20 $\pm$ 0.04 d	0.46 $\pm$ 0.06 c	2.04 $\pm$ 0.23 a	1.19 $\pm$ 0.13 b
Shoot	WT	0.08 $\pm$ 0.01 c	0.68 $\pm$ 0.04 b	1.45 $\pm$ 0.05 a	1.06 $\pm$ 0.06 b
	<i>atsos1</i>	0.12 $\pm$ 0.02 c	0.72 $\pm$ 0.08 b	1.38 $\pm$ 0.03 a	1.08 $\pm$ 0.02 b
	<i>athkt1;1</i>	0.09 $\pm$ 0.01 c	1.80 $\pm$ 0.05 a	1.37 $\pm$ 0.04 a	0.77 $\pm$ 0.03 c
Whole plant	WT	0.10 $\pm$ 0.01 d	0.60 $\pm$ 0.08 c	1.42 $\pm$ 0.04 a	1.02 $\pm$ 0.05 b
	<i>atsos1</i>	0.14 $\pm$ 0.02 d	0.77 $\pm$ 0.07 b	1.36 $\pm$ 0.03 a	1.04 $\pm$ 0.02 b
	<i>athkt1;1</i>	0.11 $\pm$ 0.01 d	1.61 $\pm$ 0.03 a	1.43 $\pm$ 0.15 a	0.83 $\pm$ 0.03 c



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