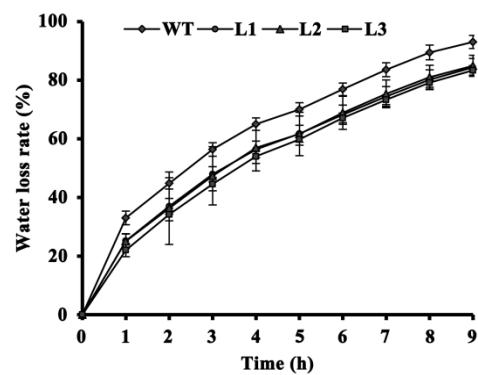
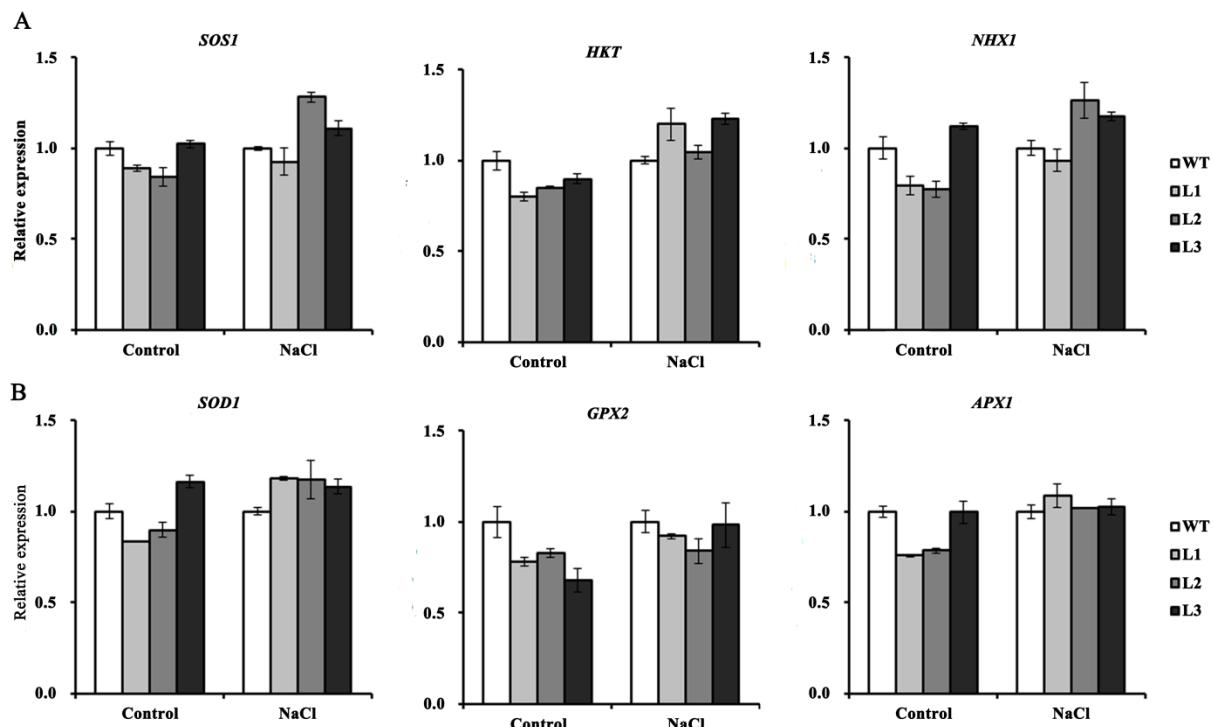


Appendix A Stress-related gene primers used for qRT-PCR in *Arabidopsis*

Primer	Sequence (5'-3')	Primer	Sequence (5'-3')
<i>AtNCED3-F</i>	CAGCTTAGCTTTGGGCTGTA	<i>AtZAT10-R</i>	GATCGGAGGGATGTTGAGG
<i>AtNCED3-R</i>	TAACAGAACCAAGCTGAGCTCGA	<i>AtP5CSI-F</i>	TAGCACCCGAAGAGCCCCAT
<i>AtAREBI-F</i>	CGAGTTACAACGAAAGCAGGCAAG	<i>AtP5CSI-R</i>	TTTCAGTCCAACGCCAGTAGA
<i>AtAREBI-R</i>	AGAAGATTCTCATCTCCGTCTCC	<i>AtSOSI-F</i>	TTCATCATCCTACAATGGCTCAA
<i>AtABI5-F</i>	CAGCTGCAGGTTCACATTCTG	<i>AtSOSI-R</i>	CCCTCATCAAGCATCTCCCAGTA
<i>AtABI5-R</i>	CACCCCTCGCCTCCATTGTTAT	<i>AtHKT-F</i>	TCCCCAGCTATCTGGTACTC
<i>AtKIN1-F</i>	AAGAATGCCTTCCAAGCCGGTCAG	<i>AtHKT-R</i>	GCCAGATTGACTGTGAAGTG
<i>AtKIN1-R</i>	TACACTCTTCCCGCCTGTTGTC	<i>AtNHX1-F</i>	CCGTGCATTACTACTGGAGACAAT
<i>AtRD29B-F</i>	AGAAGGAATGGTGGGGAAAG	<i>AtNHX1-R</i>	GTACAAAGGCCACGACCTCCAA
<i>AtRD29B-R</i>	CAACTCACTTCCACCGGAAT	<i>AtSOD1-F</i>	TCAACTGGAAATATGCAAGCGAGGT
<i>AtALDH7B4-F</i>	TGGAAACAGTACATGCGTCGAT	<i>AtSOD1-R</i>	ACCACACAGCTGAGTTGAGCAAA
<i>AtALDH7B4-R</i>	CCTTGCCTAGAGGTAACCGTT	<i>AtAPX1-F</i>	ACTACCCAACCGTGAGCGAA
<i>AtMYB15-F</i>	GGTGC GGATATCGATGAAAG	<i>AtAPX1-R</i>	TCAAACCTCATTGTTCCGAA
<i>AtMYB15-R</i>	CATTATTAGCGGAGCCCAAG	<i>AtGPX2-F</i>	TGGCGGATGAATCTCCAAAGT
<i>AtZAT10-F</i>	CCGCCGTGACTACTGGAA	<i>AtGPX2-R</i>	GTTCCCTGTAGTTCGCATCCG



Appendix B Comparison of CMS water loss rate of transgenic plants and WT plants under salt stress. WT, wild type; L1, Line 1; L2, Line 2; L3, Line 3. Data represent mean \pm SD (n=10) from three independent experiments.



Appendix C Expression level of abiotic stress-ressponsive genes in *TaSAPI7-D* transgenic *Arabidopsis* and WT under salt-stressed conditions. (A) membrane transporter genes and (B)antioxidant enzyme gene. Relative expression levels of stress-responsive genes were determined by qRT-PCR. Data represent mean \pm SD from three independent experiments. *, ** indicate significant difference levels at $P<0.05$, and $P<0.01$, respectively.