Article

Supplementary Materials: *RsSOS1* Responding to Salt Stress Might Be Involved in Regulating Salt Tolerance by Maintaining Na⁺ Homeostasis in Radish (*Raphanus sativus* L.)

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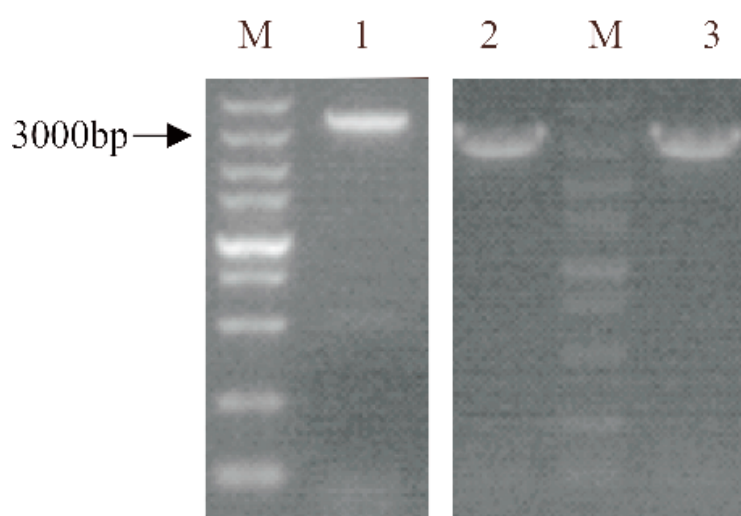

Figure S1. Isolation of *RsSOS1* gene. M, DL5000 Marker；1, amplification of *RsSOS1* CDS; 2, DNA fragment 1 amplification of *RsSOS1*; 3, DNA fragment 2 amplification of *RsSOS1*.
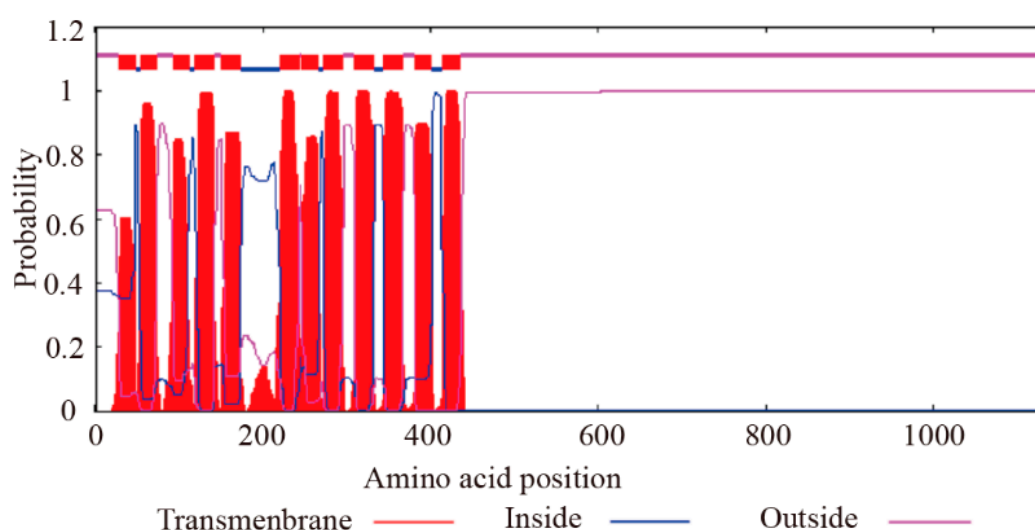

Figure S2. Predicted transmembrane domain of RsSOS1 protein.

Table S1. Primers used in this study.

Name	Sequence（5'-3'）	Usage
RsSOS1-F	atacaccaaatcgac<u>tctaga</u>ATGGCGACTGTAATCGACGC	cloning of *RsSOS1* combined
RsSOS1-R	gcccttgctcaccat<u>ggtacc</u>CATATCATTCCTGAAAACGATGGT	with pCAMBIA1300 vector
1300-F	AGCAAGAACGGAATGCGCGTGAC	Vector universal primers to
1300-R	TTGCCGGTGGTGCAGATGAACTTC	identify positive clones and plants
RsSOS1-DNA1-F	ATGGCGACTGTAATCGACGC	isolation of fragment 1 of *RsSOS1*
RsSOS1-DNA1-R	TTGTGGCTGGTAAACCATCCA	DNA
RsSOS1-DNA2-F	GTTTATTTTCTTCACAGGTGGAATTG	isolation of fragment 2 of *RsSOS1*
RsSOS1-DNA2-R	TCACATATCATTCCTGAAAACGATG	DNA
RsSOS1-qRT-F	TGCTGACTGGCCTACAGTTG	RT-qPCR of *RsSOS1*
RsSOS1-qRT-R	CCCAGTAAGCTGCCTGAACA	
RsActin-qRT-R	GCATCACACTTTCTACAAC	RT-qPCR of reference gene
RsActin-qRT-F	CCTGGATAGCAACATACAT	*RsActin*
RsSOS1-RT-R	AGGGATCGGTCTGGCTTTTG	RT-PCR of *RsSOS1*
RsSOS1-RT-F	ATAGCCAACACGACACAGCA	
RsActin-RT-F	TGGCATCACACTTTCTACAA	RT-PCR of reference gene *RsActin*
RsActin-RT-R	GATATCCACATCACACTTCAT	
RsSOS1-JM-F	gggaatattaagctt<u>ggtacc</u>ATGGCGACTGTAATCGACGC	cloning of *RsSOS1* combined
RsSOS1-JM-R	tacatgatgcggccc<u>tctaga</u>TCACATATCATTCCTGAAAACGATG	with pYes2 vector
RsSOS1Δ999-JM-F	gggaatattaagctt<u>ggtacc</u>ATGGCGACTGTAATCGACGC	cloning of *RsSOS1Δ999*
RsSOS1Δ999-JM-R	tacatgatgcggccc<u>tctaga</u>TCAACTAGATGATCTCTGGAGCTGTT	combined with pYes2 vector

Note：tctaga is recognition site of *Xba* I; ggtacc is recognition site of *Kpn* I.