

1 **Supplementary Table 1** The sequences of primers for qPCR used in rapeseed

Primer name	Accession number	Sequence (5'→3')
<i>BnActin</i>	LOC106418315	F: CTGACCGTATGAGCAAAG
		R: CCACCGAACCAGAAGGCAGA
<i>BnGAPDH</i>	LOC106382350	F: TGTGCCAATCTACGAGGGTTT
		R: TTTCCCGCTCTGCTGTTGT

*BnAPX*            LOC106420215

*BnCu/ZnSOD* LOC106426158

F: CCAACGTCCACGCTGATAAGA

R: ACAGGTCCTATAGCCGTTGCA

*BnMnSOD* LOC106452722

<i>BnSOSI</i>	LOC106418114	F: CCAGAGGTACTTAATGGCCAAG R: GTGGCCTTGACTGAACAATGTA
<i>BnNHX1</i>	LOC106367780	F: CAATGCAGGGTTTCAAGTA R: AGTCAAAGGTCCCAATGTC F: ATACAAGCTGCTTCAAACCTTCG
<i>BnKT1</i>	LOC10644670	

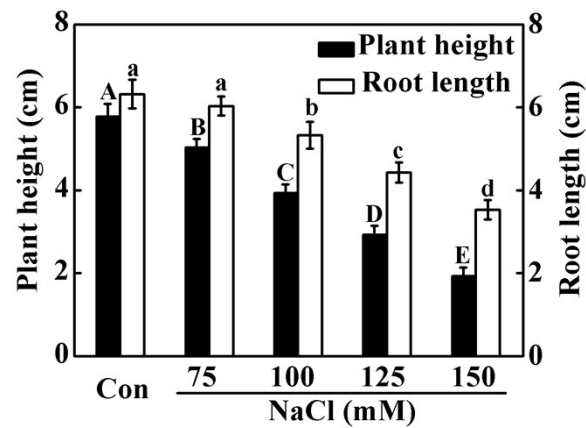


4 **Supplementary Table 2** The sequences of primers for qPCR used in Arabidopsis

Primer name	Accession number	Sequence (5'→3')
<i>AtActin 2</i>	At3g18780	F: ACAACCGGTATTGTGCTGGA R: GAAGACGGAGGATGGCATGA
<i>AtGAPDH</i>	At1g13440	F: TTGGTGACAACAGGTCAAGCA R: AAAGTTGTCGCTCAATGCAATC
<i>AtAPX1</i>	At1g07890	F: CTCTGGGACGATGCCACAAG R: CTCGACCAAAGGACGGAAAA
<i>AtAPX2</i>	At3g09640	F: GTTCAGGATTCGAGGGTGC R: GAAGAGCCTTGTCGGTTGGT
<i>AtFSD1</i>	At495100	F: AACCAGGTGGTGGAGGAA R: GTAAGCAATGGGAAAGAGCC
<i>AtCAT1</i>	At1g20630	F: TTCCCTGTATTCTTCGTCCG R: GCCTTCCATGTGCCTGTAGT
<i>AtSOS1</i>	At2g01980	F: TGCTTGATGAGGGCAGAATA R: ACTTGCGTGGGACAACCTTA
<i>AtSOS2</i>	At5g35410	F: TAGCGGAGAATGTAGAGAGAAAT R: TGCTGTCGCCTGTCAAATAG
<i>AtSOS3</i>	At5g24270	F: TGATTGAAGTAATGGTGGATAAGGC R: AGTCATGTTCTTGATGAGCGATG
<i>AtNHX1</i>	At5g27150	F: AAGAGCTTGCCAGAAATTGATG R: CGTCTTCCAAATCGAACTCATC
<i>AtKT1</i>	At2g26650	F: CTACCTGTTTCGAGGAGTATCC R: CACAGTAAACAGTTGTGGTCTG

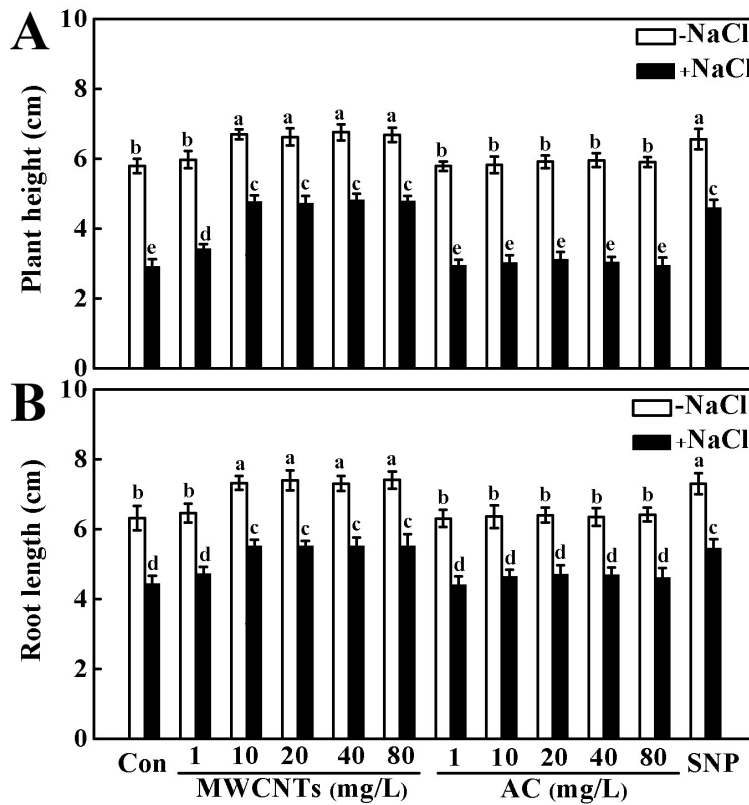
7 **Fig. S1**

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9 **Fig. S1** Plant growth inhibition upon NaCl stress in a dose-dependent fashion. Two-  
10 day-old rapeseed seedlings were transferred to the indicated concentrations of NaCl  
11 for 5 d. Afterwards, the plant height (left) and root length (right) were respectively  
12 measured. The sample without chemicals was the control (Con). Values are means  $\pm$   
13 SE of three independent experiments with three replicates for each. Bars with  
14 different letters are significant different at  $P < 0.05$  according to Duncan's multiple  
15 range test.

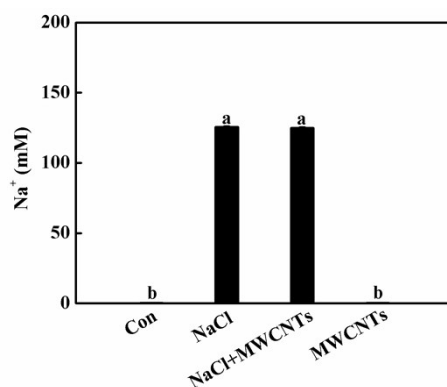
17 **Fig. S2**



18 **Fig. S2** NaCl stress-triggered plant growth inhibition was alleviated by MWCNTs.  
 19 Two-day-old rapeseed seedlings were treated with the indicated concentrations of  
 20 MWCNTs or active carbon (AC), or 10  $\mu$ M SNP, in the absence or the presence of  
 21 125 mM NaCl for 5 d. Afterwards, the plant height (A) and root length (B) were  
 22 respectively measured. The sample without chemicals was the control (Con). Values  
 23 are means  $\pm$  SE of three independent experiments with three replicates for each. Bars  
 24 with different letters are significant different at  $P < 0.05$  according to Duncan's  
 25 multiple range test.

27 **Fig. S3**

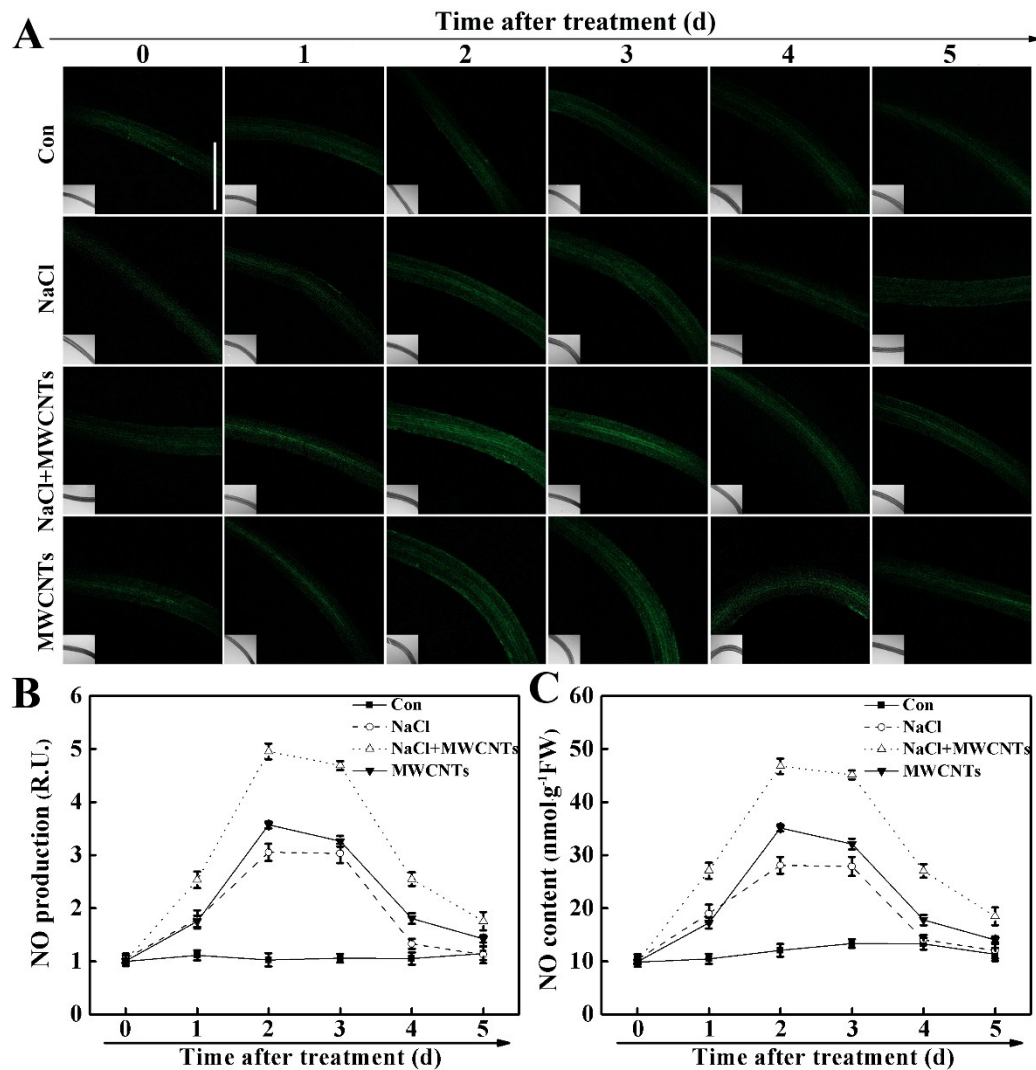
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29 **Fig. S3** MWCNT did not absorb Na ion *in vitro*. After the mixture with 20 mg/L  
30 MWCNTs and 125 mM NaCl, simultaneously or separately, for 48 h followed by  
31 filtration, Na content was detected by ICP-OES. Deionized water alone was regarded  
32 as control (Con). Bars with different letters are significant different at  $P < 0.05$   
33 according to Duncan' multiple range test.



35 **Fig. S4**



36 **Fig. S4** MWCNTs-induced NO production. Two-day-old rapeseed seedlings were  
 37 treated with 125 mM NaCl or 20 mg/L MWCNTs, alone or the combination. The  
 38 sample without chemicals was the control (Con). Afterwards, the time-course analysis  
 39 of NO contents (A; determined by laser scanning confocal microscopy, and  
 40 corresponding fluorescence densities were shown in B; C; determined by visible  
 41 spectrophotography) in root tissues were detected. Bar: 1 mm. R.U., relative units.  
 42 Values are means  $\pm$  SE.

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