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Functional Plant Biology

Supplementary Material

Canola (*Brassica napus*) enhances sodium chloride and sodium ion tolerance by maintaining ion homeostasis, higher antioxidant enzyme activity and photosynthetic capacity fluorescence parameters

Lupeng Sun^A, Xiaoqiang Cao^A, Juncan Du^A, Yan Wang^A, and Fenghua Zhang^{A,}*

^ACollege of Agriculture, Shihezi University, Shihezi, Xinjiang 832003, China.

*Correspondence to: Fenghua Zhang College of Agriculture, Shihezi University, Beisi Road, Shihezi City, Xinjiang 832003, P.R. China Email: fenghuazhang2021@163.com

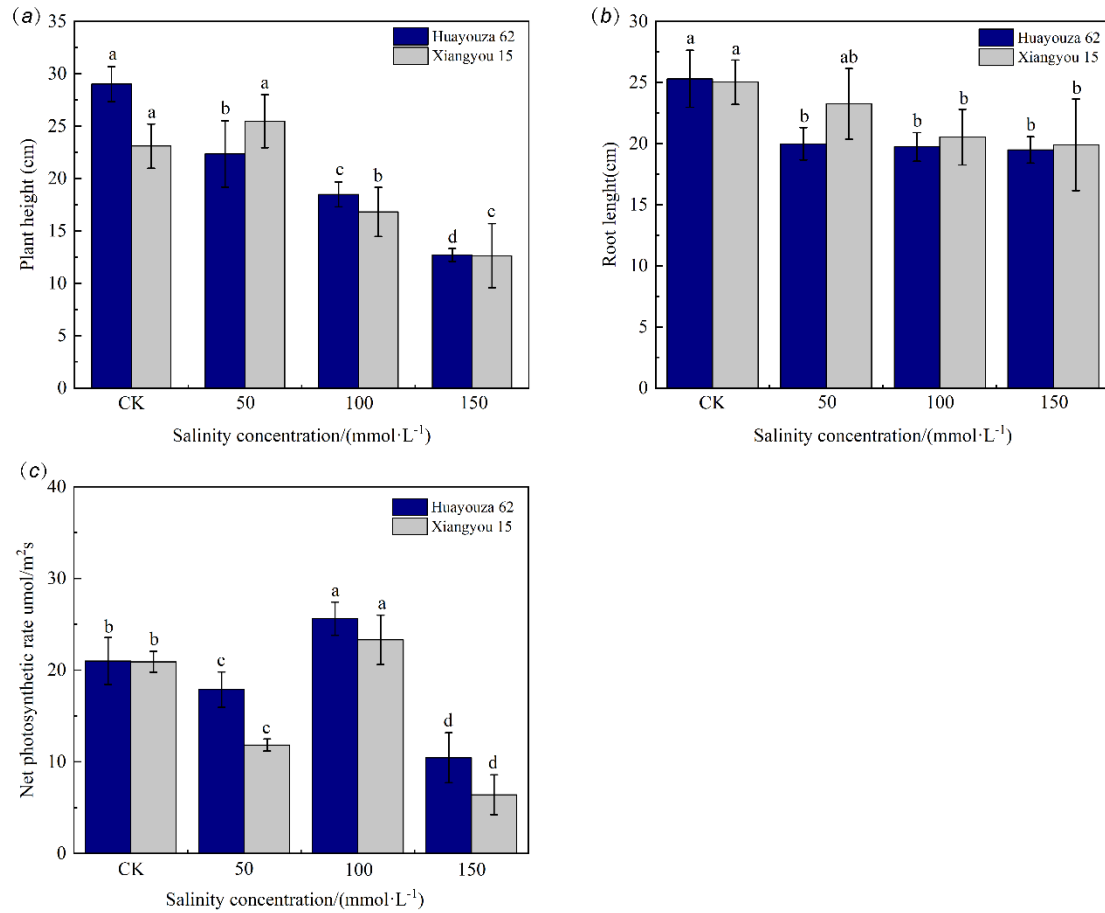


Figure S1. Effects of NaCl stress on the plant height, root length and net photosynthesis rate of seedlings of canola with different salt tolerances. Note: Different lowercase letters indicate significant differences in the same canola variety under different treatments

Table S1. Effects of NaCl Stress on the germination of seedlings of canola with different salt tolerances

NaCl concentration (mmol/L)	germination potential (%)		germination rate (%)		germination index	
	Huayouza 62	Xiangyou 15	Huayouza 62	Xiangyou 15	Huayouza 62	Xiangyou 15
CK	88.9±0.05aA	72.2±0.06aB	92.8±0.04aA	88.0±0.04aB	63.4±0.93abA	46.6±1.85aB
50	86.7±0.06aA	72.2±0.08aB	91.1±0.03aA	82.8±0.03bB	62.5±1.74bA	44.4±0.42bB
100	91.7±0.04aA	36.7±0.03bB	95.8±0.05aA	70.0±0.05cB	64.9±1.74aA	21.0±0.14cB
150	78.7±0.06bA	12.2±0.07cB	92.8±0.06aA	36.7±0.03dB	48.0±1.60cA	9.9±2.27dB
200	33.3±0.08cA	7.5±0.03cdB	72.2±0.05bA	14.0±0.04eB	24.4±0.86dA	3.4±0.67eB
250	21.7±0.07dA	5.6±0.02dB	60.0±0.06cA	14.4±0.05eB	14.2±1.27eA	3.2±0.26eB

Note: Different lowercase letters indicate significant differences in the same canola variety under different treatments; different capital letters indicate significant differences between different canola varieties under the same treatment ($p < 0.05$). Values are means±SD (n=6), the same below.

Table S2. The K^+/Na^+ ratio, Ca^{2+}/Na^+ ratio, Mg^{2+}/Na^+ ratio of canola grown in Hoagland solution (Hoagland), or treated with 150 mM NaCl (NaCl), 150 mM Na^+ salt (Na), 150 mM Cl^- salt (Cl), respectively.

hours	Varieties	Treatment	K^+/Na^+ ratio	Ca^{2+}/Na^+ ratio	Mg^{2+}/Na^+ ratio
72 h	Huayouza 62	Control	10.32±1.13bA	2.06±0.07bA	6.32±1.78aB
		NaCl	1.09±0.04cA	0.14±0.02cA	0.67±0.07bA
		Na-Hoagland	0.83±0.04cA	0.13±0.01cA	0.62±0.11bA
		Cl-Hoagland	17.26±1.46aA	3.04±0.43aA	5.99±0.93aA
	Xangyou 15	Control	9.69±0.53bA	1.98±0.18bA	9.68±2.13aA
		NaCl	0.98±0.02cB	0.12±0.01cB	0.76±0.15cA
		Na-Hoagland	0.79±0.06cA	0.12±0.02cA	0.39±0.01cB
		Cl-Hoagland	18.80±2.03aA	3.44±0.63aA	5.72±1.86bA