

Table 1 Suppl. Data of damage index and resistance index. Damage index (DI) = $[R_{IL} + R_{MDA} + R_{H_2O_2} + R_{CHL}] / 4$, where R_x (decreased ratio of stressed samples relative to normal growing samples) = $1 - (\text{value of stressed samples} / \text{value of normal samples})$ for R_{IL} , R_{MDA} and $R_{H_2O_2}$; $R_{CHL} = (\text{value of stressed samples} / \text{value of normal samples}) - 1$. Resistance index RI = DI (SA-pretreated samples) - DI (control samples). IL - ion leakage, MDA - malondialdehyde, CHL - chlorophyll.

Pretreatment [h]	Average damage index (DI)					Average resistance index (RI)			
	10 μ M SA	20 μ M SA	50 μ M SA	200 μ M SA	control	10 μ M SA	20 μ M SA	50 μ M SA	200 μ M SA
0	-3.10	-3.42	-3.73	-4.32	-3.11	0.01	-0.31	-0.62	-1.21
2	-3.11	-3.97	-4.82	-6.08	-3.11	0.00	-0.86	-1.71	-2.97
4	-2.59	-3.45	-4.99	-6.14	-3.11	0.52	-0.34	-1.88	-3.03
6	-2.29	-2.57	-5.01	-5.92	-3.11	0.82	0.54	-1.90	-2.81
8	-2.05	-1.54	-4.91	-5.89	-3.11	1.06	1.57	-1.80	-2.78
10	-2.04	-1.21	-4.82	-5.88	-3.11	1.07	1.90	-1.71	-2.77
12	-1.98	-1.22	-3.97	-5.87	-3.11	1.13	1.89	-0.86	-2.76
14	-2.00	-1.20	-3.49	-5.68	-3.11	1.11	1.91	-0.38	-2.57
16	-1.96	-1.32	-3.16	-5.60	-3.11	1.15	1.79	-0.05	-2.49
18	-2.06	-1.33	-2.83	-5.35	-3.11	1.05	1.78	0.28	-2.24
20	-2.12	-1.34	-2.76	-5.09	-3.11	0.99	1.77	0.35	-1.98
22	-2.21	-1.43	-2.73	-5.03	-3.11	0.90	1.68	0.38	-1.92
24	-2.29	-1.47	-2.70	-4.90	-3.11	0.82	1.64	0.41	-1.79

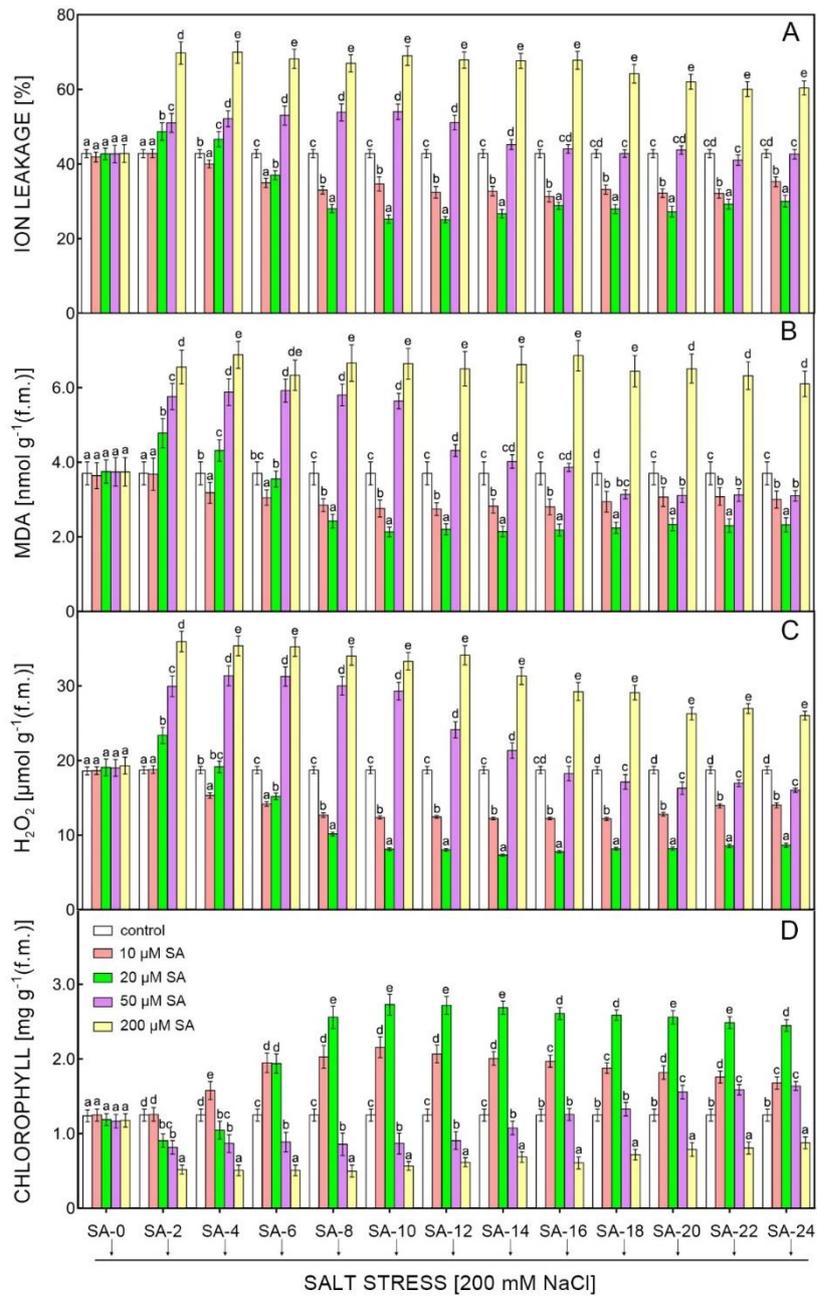


Fig. 1 Suppl. Comparison of ion leakage (A), malondialdehyde (MDA, B), H₂O₂ (C), and chlorophyll (D) content after pretreatment with different concentrations of salicylic acid (SA). Every 2 h, the SA-pretreated seedlings were transferred to 200 mM NaCl. The ion leakage, MDA, H₂O₂, and chlorophyll content were determined after 5 d of salt stress. Means ± SEs. Significant differences (*P* < 0.05) relative to a control at the same time point are denoted by different letters.

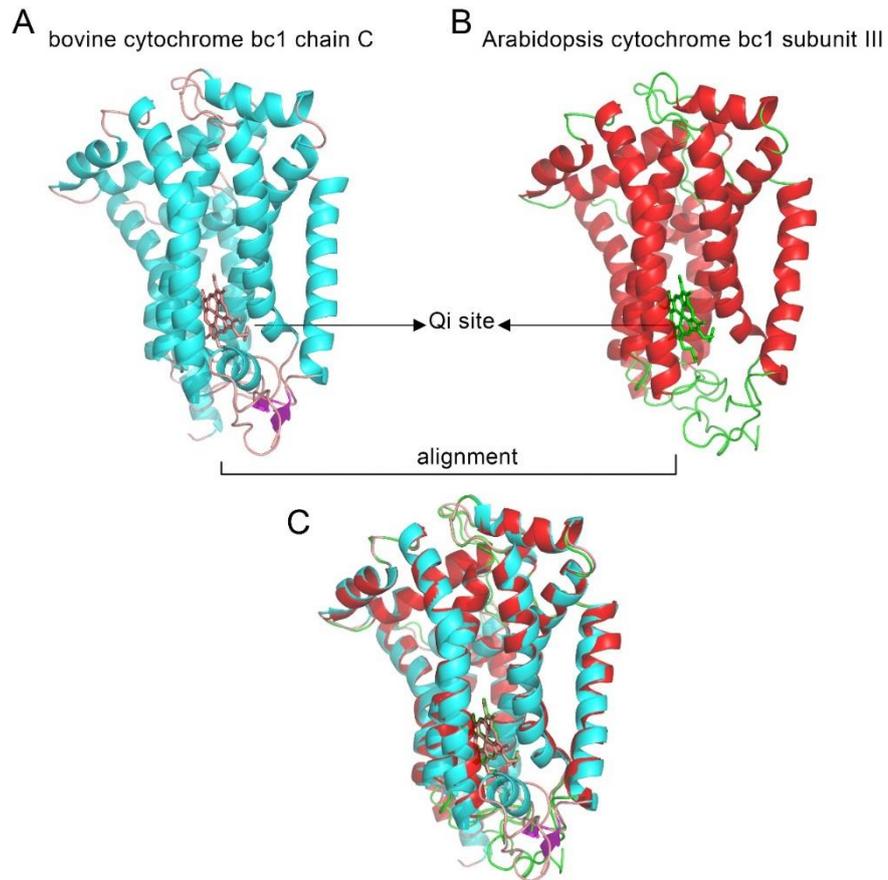


Fig. 2 Suppl. The homology protein model of *Arabidopsis* cytochrome *bc1* complex subunit 3. *A* - Protein structure of the bovine cytochrome *bc1* complex chain C; *B* - The homology model of *Arabidopsis* cytochrome *bc1* complex subunit III based on the X-ray protein structure of the bovine cytochrome *bc1* complex. The protein homology model was carried out by *Swiss-Mode*. *C* - Protein structures alignment was performed by *PyMOL 2.3.1*.

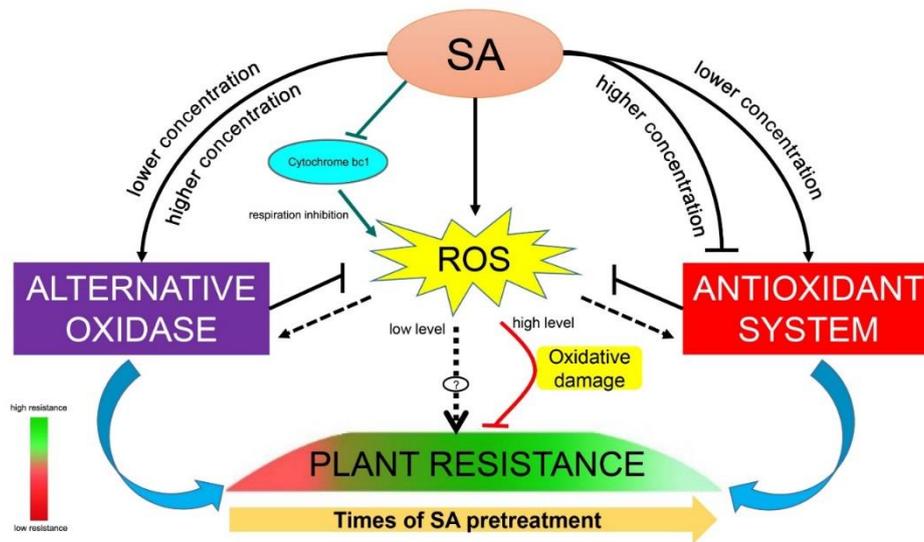


Fig. 3 Suppl. A possible mechanism of salicylic acid (SA)-mediated plants stress tolerance. The SA pretreatment, especially lower concentrations, results in an enhanced antioxidant defense system and alternative oxidase capacity, thereby imparting salt adaptability to plants. It is important to highlight that the inhibition of reactive oxygen (ROS) outburst and the earlier establishment of defense system are the key factors helping the plants adapt to the stress conditions. In addition, a lower content of ROS induced by SA might directly or indirectly evoke the antioxidant system including the AOX capacity, which contributes to the plant stress tolerance.