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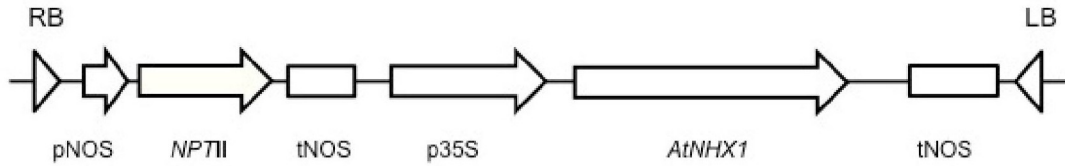
**Analysis of salinity tolerance of *Vitis vinifera* 'Thompson Seedless' transformed with *AtNHX1***

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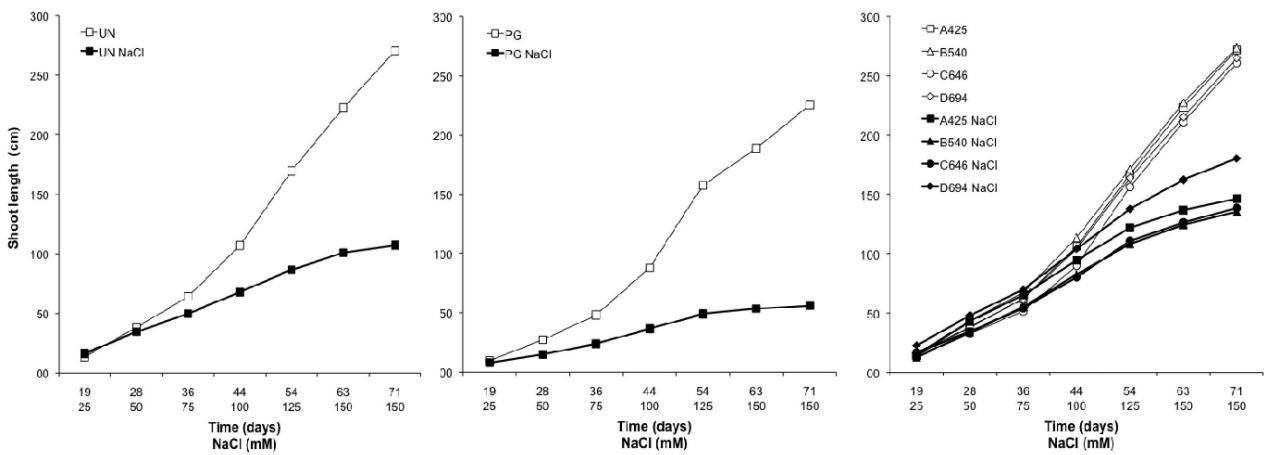
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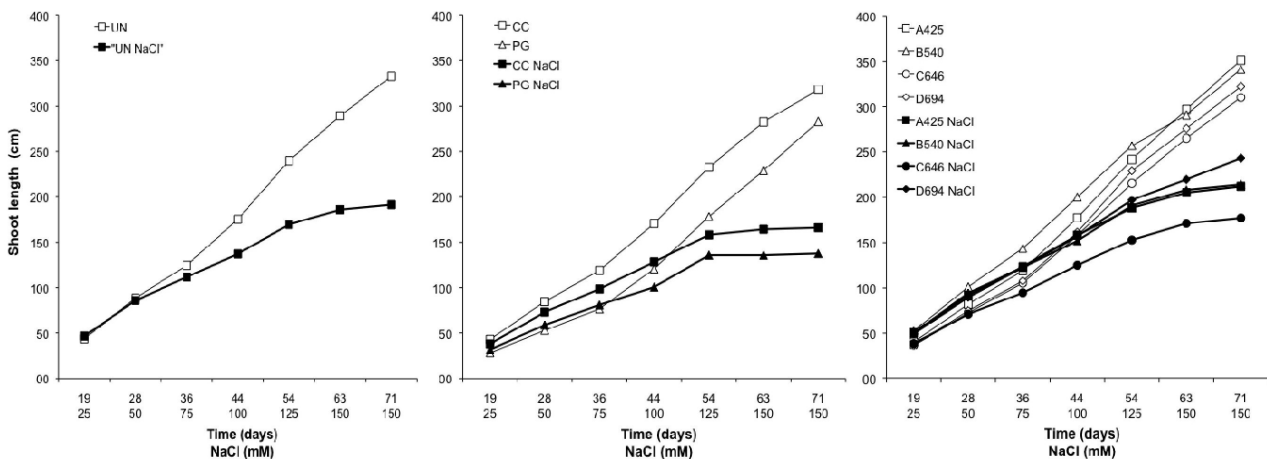
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Suppl. Fig. 1: Schematic representation of the construct used in this study. Abbreviations: pNOS: Nopaline synthase promoter, tNOS: Nopaline synthase terminator, *NPTII*: neomycin phosphotransferase gene (confers kanamycin resistance); p35S: CaMV 35S promoter, *AtNHX1*: *AtNHX1* gene. RB: right border; LB: left border.



Suppl. Fig. 2: Growth curves of untransformed 'Thompson Seedless' (UN, left), 'Pedro Giménez' (PG, center) and transgenic lines A425, B540, C646, D694 (right) growing in hydroponics under 0 or increasing concentrations of NaCl.



Suppl. Fig. 3: Growth curves of untransformed 'Thompson Seedless' (UN, left), 'Pedro Giménez' and 'Criolla Chica' (PG and CC, center) and transgenic lines A425, B540, C646, D694 (right) growing in pots with soil substrate under 0 or increasing concentrations of NaCl.

Suppl. Table 1

Composition of water soluble  
fertilizer KSCII Phytactyl  
(Timac Agro USA)

Nutrient	%
N total	23
NH <sub>4</sub> <sup>+</sup>	17
NO <sub>3</sub> <sup>-</sup>	6
P <sub>2</sub> O <sub>5</sub>	5
K <sub>2</sub> O	5
SO <sub>3</sub>	11
Fe	0.1
Mn	0.05
Zn	0.1

Suppl. Table 2

Transpiration in mol·m<sup>-2</sup>·s<sup>-1</sup> of untransformed Thompson. Seedless (UN), Pedro Giménez (PG), Criolla Chica (CC) and transgenic lines A425, B540, C646 and D694 growing in hydroponics or pots treated with 0 or 150 mM NaCl

	Treatments	Hydroponics	Pots
UN	0	72.3	68.9
UN	150	19.4	37.8
PG	0	76.3	89.5
PG	150	18.6	37.6
CC	0	-	82.1
CC	150	-	38.0
A425	0	74.8	68.6
A425	150	18.8	39.2
B540	0	70.4	78.9
B540	150	29.0	32.5
C646	0	72.5	71.3
C646	150	25.3	28.8
D694	0	74.1	71.3
D694	150	29.4	31.6
<i>p</i> -value NaCl		< 0.01	< 0.01
<i>p</i> -value genotype		ns	ns
<i>p</i> -value NaCl*genotype		ns	ns