Table 1 Suppl. PCR primer sequences used for cloning and gene expression assays. FW - forward, RV - reverse.

Primer name	Sequence (5'-3')
Apx1 real time FW	ATTCAGATGCCCAGAAGTCTTGTTCC
Apx1 real time RV	ACCACCGATCCAGACACTGTACTTCC
Actin real time FW	GTCCATTCGGAACAATGAGGTTTGAC
Actin real time RV	GTGGGCACCAGATAAAGCGACAAT
Apx1 Pst I-FW	AACTGCAGATGACGAAGAACTACCCA
Apx1 Bln I-RV	ATCCTAGGAGCATCAGCAAACCCGAG
OE*AtApx1*-FW	GCCCTGACATTCCTTTCCAC
OE*AtApx1*-RV	AGTTCACCTTGATGCCGTTC
OE*TsApx1*-FW	TGAGAAATACGCTGCTGACGA
OE*TsApx1*-RV	AAGTTCACCTTGATGCCGTTC
Hyg-FW	GAAAAAGCCTGAACTCACCGC
Hyg-RV	TGCTCCATACAAGCCAACCAC

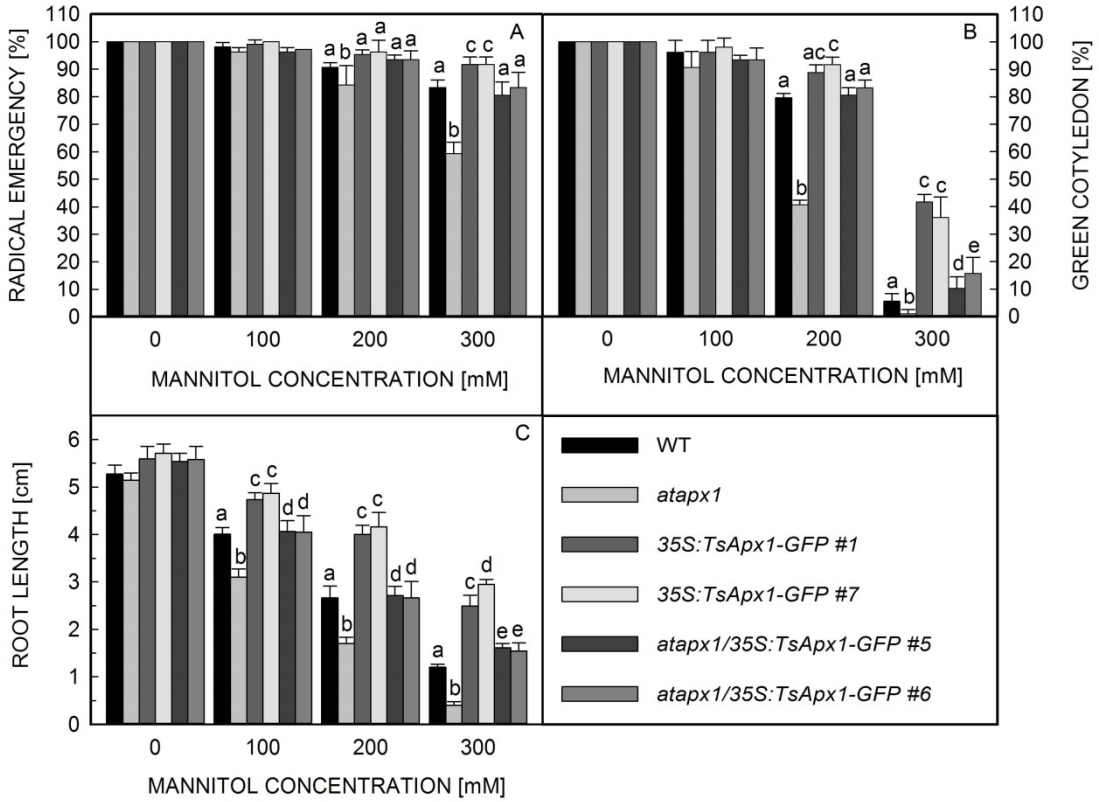

Fig. 1 Suppl. Effect of mannitol (0, 100, 200, and 300 mM in MS medium) on radicle emergency (*A*), cotyledon greening (*B*) and root length (*C*) of wild-type (WT), *atapx1* loss-of-function mutant, and *35S:TsApx1-GFP* and *atapx1/35S:TsApx1-GFP* transgenic plants at the germination stage (10-d-old). Means ± SD, $n = 144$ for germination and greening and 30 for root length. Means followed by different letters are significantly different at $P < 0.05$.