

Supplementary Material

Melatonin alleviates aluminium toxicity through modulating antioxidative enzymes and enhancing organic acid anion exudation in soybean

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Acetyltransferase NSI AtSNAT1	MLIFNVNAISSSFVVQFHANYPLSTQTQLLVPSNLNSFATTGSHTLTVLPSSLVFI-S -----MLLIPISS-----SSSSSIPPPNSYPSN **:* . : : :* : .
Acetyltransferase NSI AtSNAT1	YHNLFAVMLSLLVSATRKFKSFQLKAGFWESIKSGLMKNNS-MQVIDPPSTDE---EN HHSLLFFSNLTTFPIQHGSRKLKTLRLRANFWESIRSGFVKNNNSTQLVEPPSIVNDEEEET :*. ** : : : . : **: *: : * . ****: *: : ***. *: : :*** : *.
Acetyltransferase NSI AtSNAT1	VEPLSQDFVLVEKTEPDGTIEQIIFSSGGDVDYDLQALCDKVGWPRRPLSKLAAALKNS EPLLPVEFTLVERNLEDGLVEEIIFSSGGEIDVYDLQGLCDKVGWPRRPLVKLAAALKNS * : *; ***: . ** ;*:*****: ;*****. ***** ***** ***** *****
Acetyltransferase NSI AtSNAT1	YIVASLHSIRKSHGS-----EGNEQKRLIGMARATSDHAFNATIWDVLVDPGYQQQ YMVATLHSVMKSSSDSDSSEGGDGEKQQEKKLIGMARATSDHAFNATIWDVLVDPEYQQQ *:***: ***: ** .. * : : :*****:*****:*****:*****:*****:*****:
Acetyltransferase NSI AtSNAT1	GLGKALIEKLIRTLLQRDIGNITLFADSQVVFYRNLFADPEGIKGMFWYPNH GLGKALVEKLVRAALLQRDIGNISLFADSQVVFYQNLGFADPEGIKGMFWYPK- *****: ***: *:*****:*****:*****: *:*****:*****:*****:

Fig. S1. Protein sequence alignment of the acetyltransferase NSI-like and AtSNAT using CLUSTAL (<http://clustalw.genome.jp>). Symbols under the alignments indicate identical (*), strongly conserved (:) or weakly conserved (.) residues.