Supplementary material:

Figure 1

Alignment of predicted Abc1 proteins related to AtOSA1: *Arabidopsis,* AtOSA1 (NP_201299), *Oryza*, (Os02g0575500), *Oryza*, (Os09g0250700), *Nostoc* NP_488555 Nos (NP_488555), *Synechocystis,* P73627 Syn (P73627), *Arabidopsis*, ABC1 A.th. (CAA16542), and *Saccharomyces cerevisiae,* ABC1 S. cerev. (CAA41759). Conserved amino acids within the Abc1 domain are indicated with an asterisk. Chloroplast targeting pre-sequences within AtOSA1 proteins as predicted with TargetP are presented in bold. Putative trans-membrane spans are presented in bold italic. The Abc1 region is underlined in AtOSA1.

Figure 2

AtOSA1 T-DNA insertion mutants. (A) Schematic representation of the T-DNA insertion sites in *atosa1-1* (SALK 045739) and *atosa1-2* (GABI 132G06). For PCR screening of homozygote lines, combinations of DNAg left and right border primers and a T-DNA left border primer were used.

Figure 3

Verification of a truncated transcript in *atosa1-1* (SALK 045739) and *atosa1-2* (GABI 132G06). We have designed 3 sets of primers in different position of the transcript. A transcript could be only detected with primers 1 (close to the 5' end).