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 2 **Fig. S1** Sequence alignment of ALMT family members in *Arabidopsis thaliana*. AtALMT11
 3 contains only two transmembrane helices and therefore is not aligned. Secondary structures are

- 1 assigned based on the structure of AtALMT1. Cyan dots indicate the two Arg residues involved
- 2 in the malate recognition, and red dots indicate residues participating in the Al coordination.
- 3