

**Supplementary information, Figure S1** Concentration-dependent Activation of AtCSC1 by Dmannitol.

(a) Typical whole-cell current traces recorded from the AtCSC1-expressing oocytes treated with different concentrations of D-mannitol. (b) The current amplitudes evoked by 200 mM, 300 mM and 500 mM D-mannitol (n=5). The bars represent means ± s.d.