

## SUPPLEMENTAL MATERIAL

### A MINIMAL CYSTEINE MOTIF REQUIRED TO ACTIVATE THE SKOR K<sup>+</sup> CHANNEL OF *ARABIDOPSIS* BY THE REACTIVE OXYGEN SPECIES H<sub>2</sub>O<sub>2</sub>

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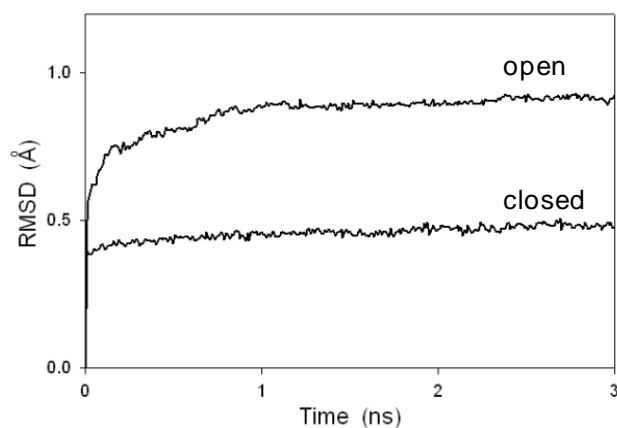


Fig. S1. Equilibration of molecular dynamic simulations for SKOR in the open and closed conformations. Root mean squared deviation (RMSD) calculated with the VMD trajectory tool (1) using  $\alpha$ -C atoms to confirm equilibration over a 3 ns period.

1. Humphrey, W., Dalke, A., and Schulten, K. (1996) *Journal of Molecular Graphics* **14**, 33-48