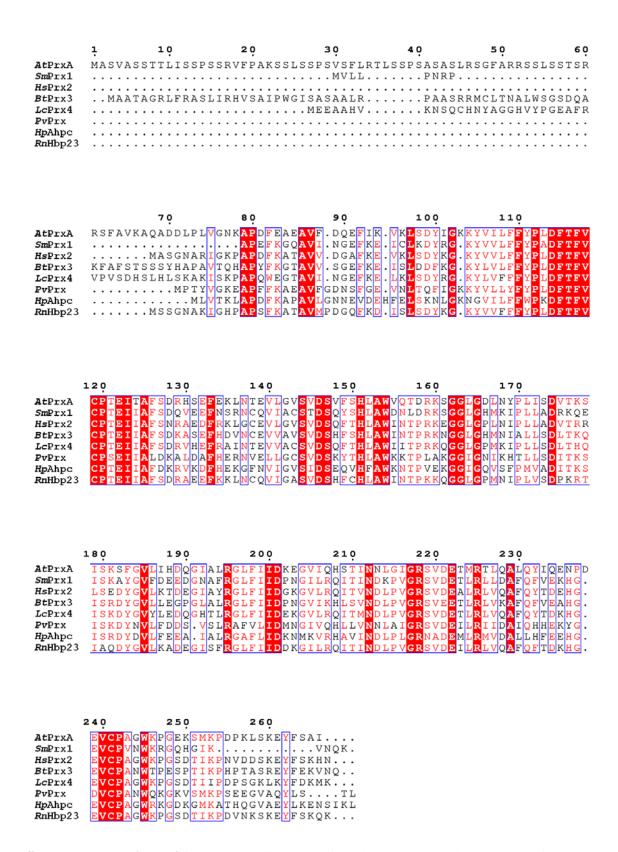


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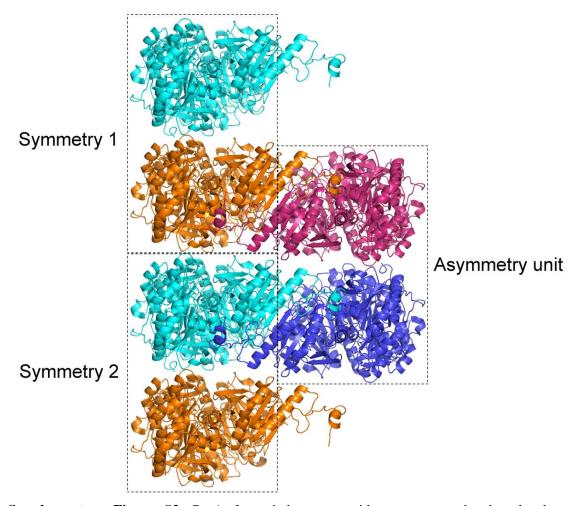
Supporting information for article:

Crystal structure of Arabidopsis thaliana peroxiredoxin A C119S mutant

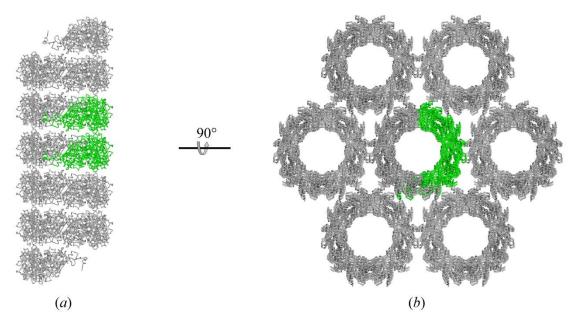
Ye Yang, Wenguang Cai, Junchao Wang, Weimin Pan, Lin Liu, Mingzhu Wang and Min Zhang



Supplementary Figure S1. Sequence alignment of *A. thaliana* PrxA with several typical 2-Cys Prxs, including Prx1 from *Schistosoma mansoni*, Prx2 from *homo spaiens*, Prx3 from *Bos taurus*, Prx4 from *Larimichthys crocea*, Prx from *Plasmodium vivax*, Ahpc from *Helicobacter pylori*, and Hbp23 from *Rattus norvegicus*.



Supplementary Figure S2. PrxA formed decamers with symmetry related molecules. PrxA exited as two half-ring in the asymmetry unit, with half-ring-1 colored blue and half-ring-2 colored magenta. The symmetry related molecules of half-ring-1 and -2 are colored cyan and golden, respectively.



Supplementary Figure S3. PrxA decamers stacked to form tubes in crystal. (a) Side view of a PrxA tube. (b) Top view of seven PrxA tubes. The two half-ring of PrxA in the asymmetry unit are colored green, symmetry related molecules are colored gray.