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Plasmodium falciparum antioxidant protein reveals a novel mechanism for balancing turnover and inactivation of peroxiredoxins

Verena Staudacher^{a1}, Carine F. Djuika^{a1}, Joshua Koduka^{a1}, Sarah Schlossarek^{a1}, Jürgen Kopp^{b,c}, Marleen Büchler^a, Michael Lanzer^a, and Marcel Deponte^{a,*}

^a Department of Parasitology, Ruprecht-Karls University, D-69120 Heidelberg, Germany

^b Biochemistry Center (BZH), Ruprecht-Karls University, D-69120 Heidelberg, Germany

^c Cellnetworks Excellence Cluster, Ruprecht-Karls University, D-69120 Heidelberg, Germany

¹ These authors contributed equally to this work.

* Corresponding author

Fax: +49 6221 56 4643

E-mail address: marcel.deponte@gmx.de (M. Deponte).

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