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Retraction Note: A water-soluble DsbB variant that catalyzes disulfide-bond formation *in vivo*

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The authors have retracted this article based on irregularities associated with the data collection. These concerns were first identified by PubPeer and correspond to western blots presented in the article. The allegations raised by PubPeer were investigated internally, and it was confirmed that the GroEL immunoblot in the left panel of Fig. 3b was used for the GroEL immunoblot in the right panel, and that portions of the GroEL immunoblot from Fig. 5b and d were reused in the anti-FLAG immunoblot corresponding to AppA in Fig. 5b. There are also additional concerns about potential data manipulation in Fig. 3b.

The authors have stated that replicate experiments performed at the same time of the original experiments and subsequent independent studies related to key aspects of the study accurately support the conclusions drawn in the paper. However, due to the irregularities in the western blot data collection, the authors no longer have confidence in the presented data. The authors are repeating the western blot experiments and hope to provide appropriate and rigorous confirmatory data in the near future.

All authors agree to this retraction.