

## Letter to the Editor

### NMR assignments of the *b'* and *a'* domains of thermophilic fungal protein disulfide isomerase

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Protein disulfide isomerase (PDI) is a folding assistant in the endoplasmic reticulum that catalyzes the formation, breakage and rearrangement of disulfide bonds of its substrate proteins. PDI comprises four structural domains, *a*, *b*, *b'*, *a'* plus C-terminal extension (Freedman et al., 2002). To gain insight into the functions of PDI, we initiated NMR structure determinations of the *b'* and *a'* domains of thermophilic fungal PDI expressed in *E. coli*. Backbone NH signals of these domains were completely assigned except for His367 in the *a'* domain. In total, 87% (*b'* domain) and 86% (*a'* domain) of the observable proton signals were assigned. The secondary chemical shifts indicate that both domains assume thioredoxin folds. BMRB Accession Nos. are 6971 (*b'* domain) and 6972 (*a'* domain).

Reference: Freedman et al. (2002) *EMBO Rep.*, **3**, 136–140.

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