

HEME-BASED REDOX SENSING BY DOSS FROM *MYCOBACTERIUM TUBERCULOSIS*

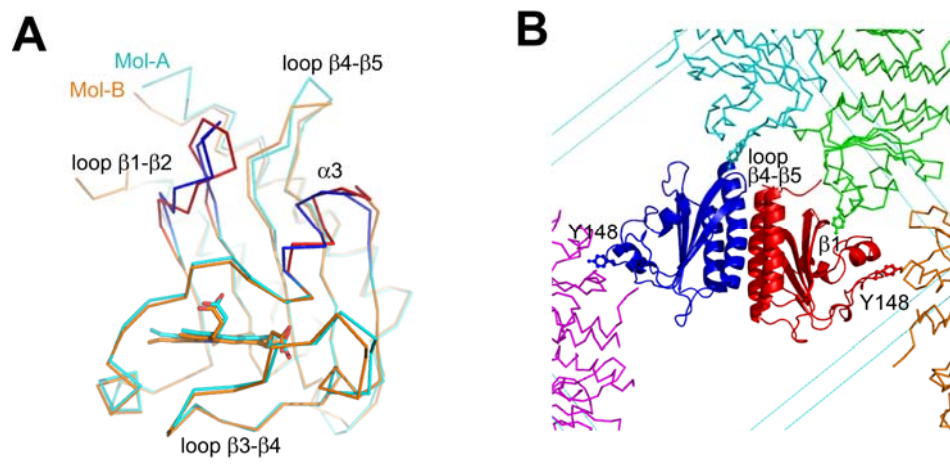
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Supplemental Figure Legends

Supplemental Fig. S1. Two DosS GAF-A molecules are in an asymmetric unit. *A.* Superimposition of Mol-A (cyan) on Mol-B (orange) based on the C_α atoms. The two structures are almost identical except for the β1-β2 loop and α3 helix regions (blue for Mol-A and red for Mol-B). *B.* The β4-β5 loop from Mol-A (blue) and β1 strand from Mol-B (red) in an asymmetric unit are in close contact with Y148 (ball and stick) from neighboring molecules.

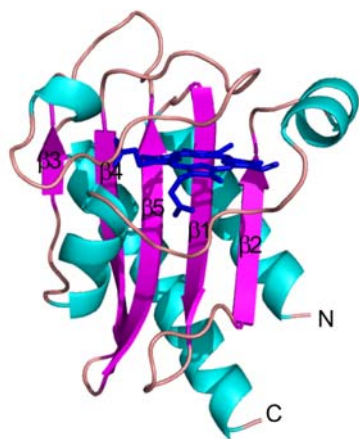
Supplemental Fig. S2. Ribbon diagrams of GAF and PAS domains. *A.* DosS GAF-A containing a heme group from *Mycobacterium tuberculosis*. *B.* DevS GAF-B domain from *M. smegmatis*. *C.* The first GAF domain containing a cyclic AMP from cyanobacterial adenylyl cyclase. *D.* Dos PAS domain containing a heme group from *Escherichia coli*.

Supplemental Figure S1

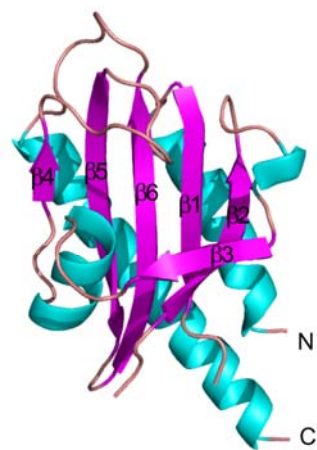


Supplemental Figure S2

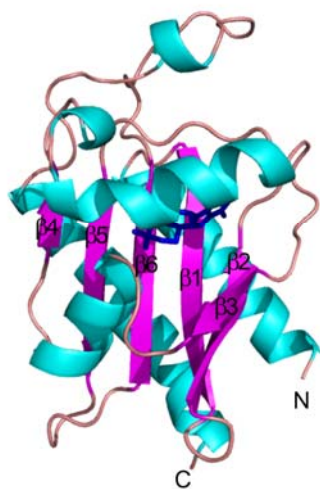
A



B



C



D

