

Analyses of MbtB, MbtE, and MbtF Suggest Revisions to the Mycobactin
Biosynthesis Pathway in *Mycobacterium tuberculosis*

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SUPPLEMENTAL MATERIAL

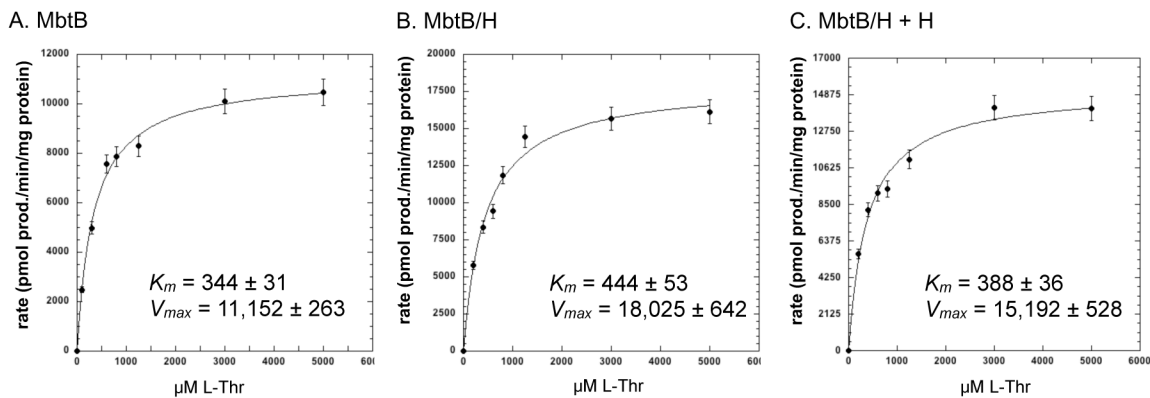


Figure S1. Michaelis-Menten plots from the analysis of L-Thr activation by the A domain of MbtB. (A) Plot of data for MbtB purified in the absence of MbtH. (B) Plot of data for MbtB purified in the presence of MbtH. (C) Plot of data for MbtB purified in the presence of MbtH with 100 μM MbtH added to the reactions. The data presented are from three independent reactions performed in parallel. The points denote the average of the three reactions with the error bars representing the standard deviation of the points. The data were fit to the Michael-Menten equation and the K_m and V_{max} calculated from this curve fit are shown, with the standard error shown.

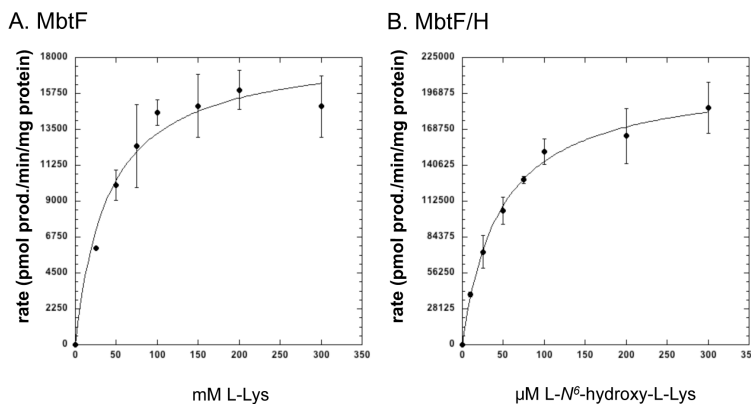


Figure S2. Michaelis-Menten plots from the analysis of amino acid specificity of the A domain of MbtF. (A) Plot of data for activation of L-Lys. (B) Plot of data for activation of N^6 -hydroxy-L-Lys. The data presented are from three independent reactions performed in parallel. The points denote the average of the three reactions with the error bars representing the standard deviation of the points. The data were fit to the Michael-Menten equation and the K_m and V_{max} calculated from this curve fit are shown, with the standard error shown.