

Supporting Information

Importance of the MbtH-like protein TioT for production and activation of the thiocoraline adenylation domain of TioK

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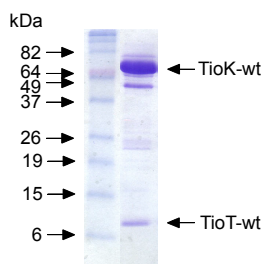


Fig. S1. 15% Coomassie blue stained SDS-PAGE of purified TioK/TioT-wt.

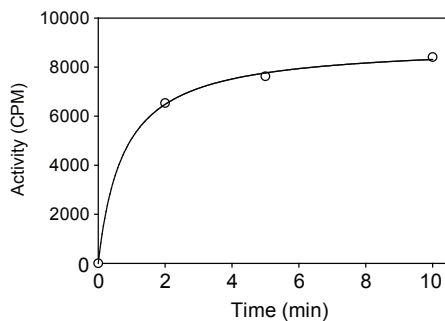


Fig. S2. Conversion of apo- to [5-³H]L-Trp-S-TioK via trichloroacetic acid (TCA) precipitation assays using [5-³H]L-Trp after activation by the A domain of TioK and loading of the activated amino acid onto the holo T domain of this A-T didomain enzyme.

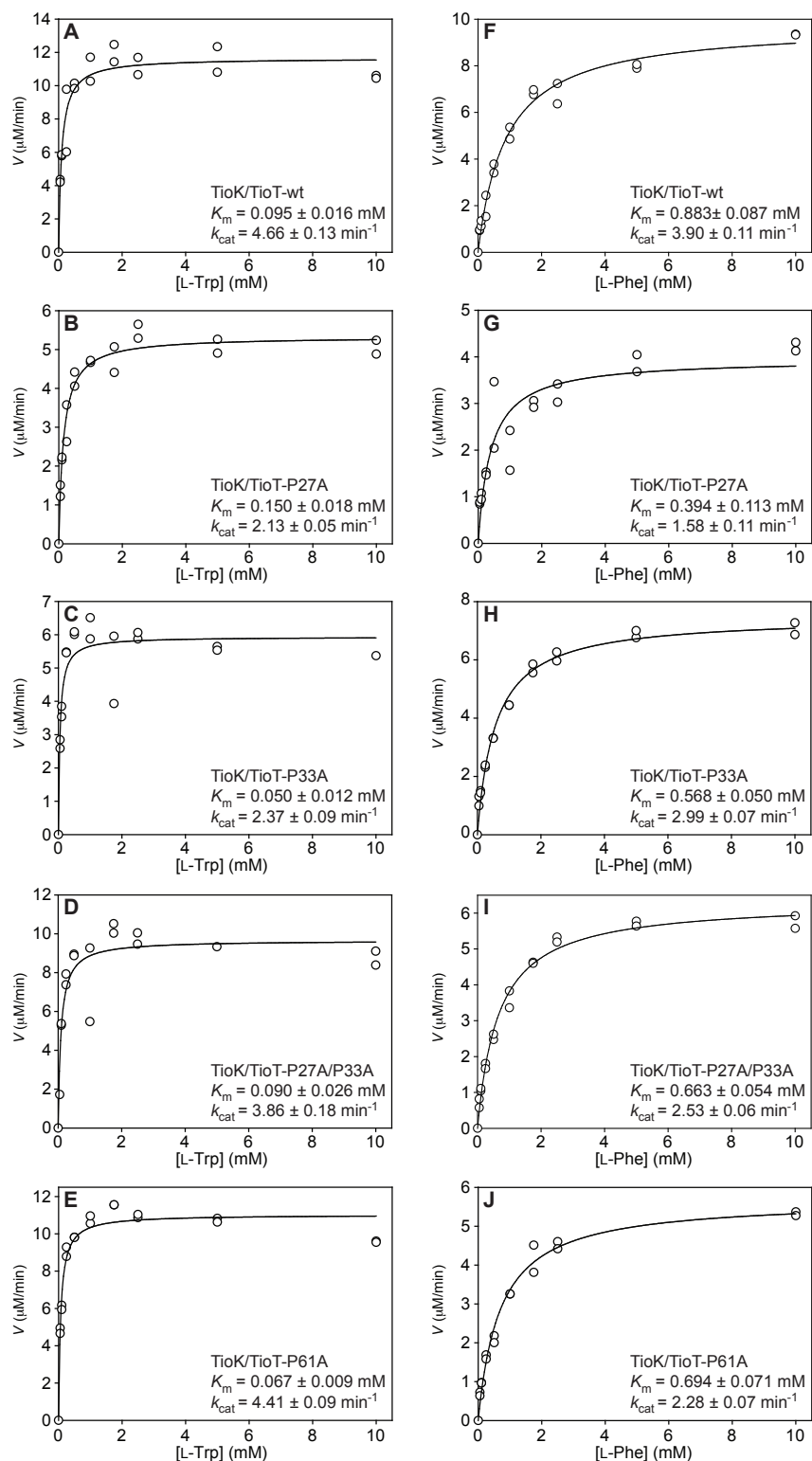


Fig. S3. Michaelis-Menten analysis of the TioK-catalyzed adenylation of L-Trp (panels A-E) and L-Phe (panels F-J) by TioK/TioT-wt (panels A and F), TioK/TioT-P27A mutant (panels B and G), TioK/TioT-P33A mutant (panels C and H), TioK/TioT-P27A/P33A mutant (panels D and I), or TioK/TioT-P61A mutant (panels E and J).