Supporting information for

*Exhaustive mutagenesis of six secondary active site residues in E. coli chorismate mutase shows the importance of hydrophobic side chains and a helix N-capping position for stability and catalysis*

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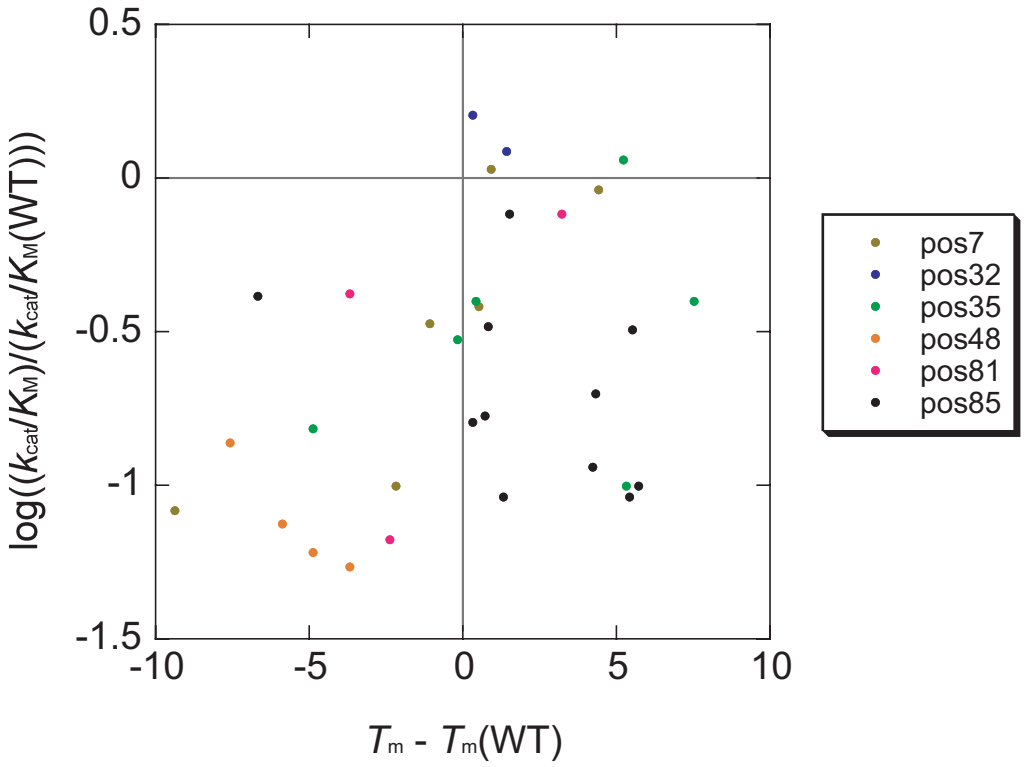


**Supporting Figure S1.** Changes in catalytic efficiency, log(($k_{cat}/K_M$)/($k_{cat}/K_M$(WT))), plotted against changes in stability, $T_m$-$T_m$(WT), of chorismate mutase variants. Mutations are colored by position. The lines indicate positions of the wild-type enzyme. More variants showed increased stability (20) than decreased stability (12) and position 85 variants generally had increased stability and reduced activity.