

Engineering of Recombinant Poplar Deoxy-D-xylulose-5-phosphate Synthase (*PtDXS*) by Site-directed Mutagenesis Improves Its Activity

Aparajita Banerjee¹, Alyssa Preiser¹, and Thomas D. Sharkey¹

¹Department of Biochemistry and Molecular Biology, Michigan State University, East Lansing, MI, USA

*Corresponding author E-mail: [tsharkey@msu.edu]

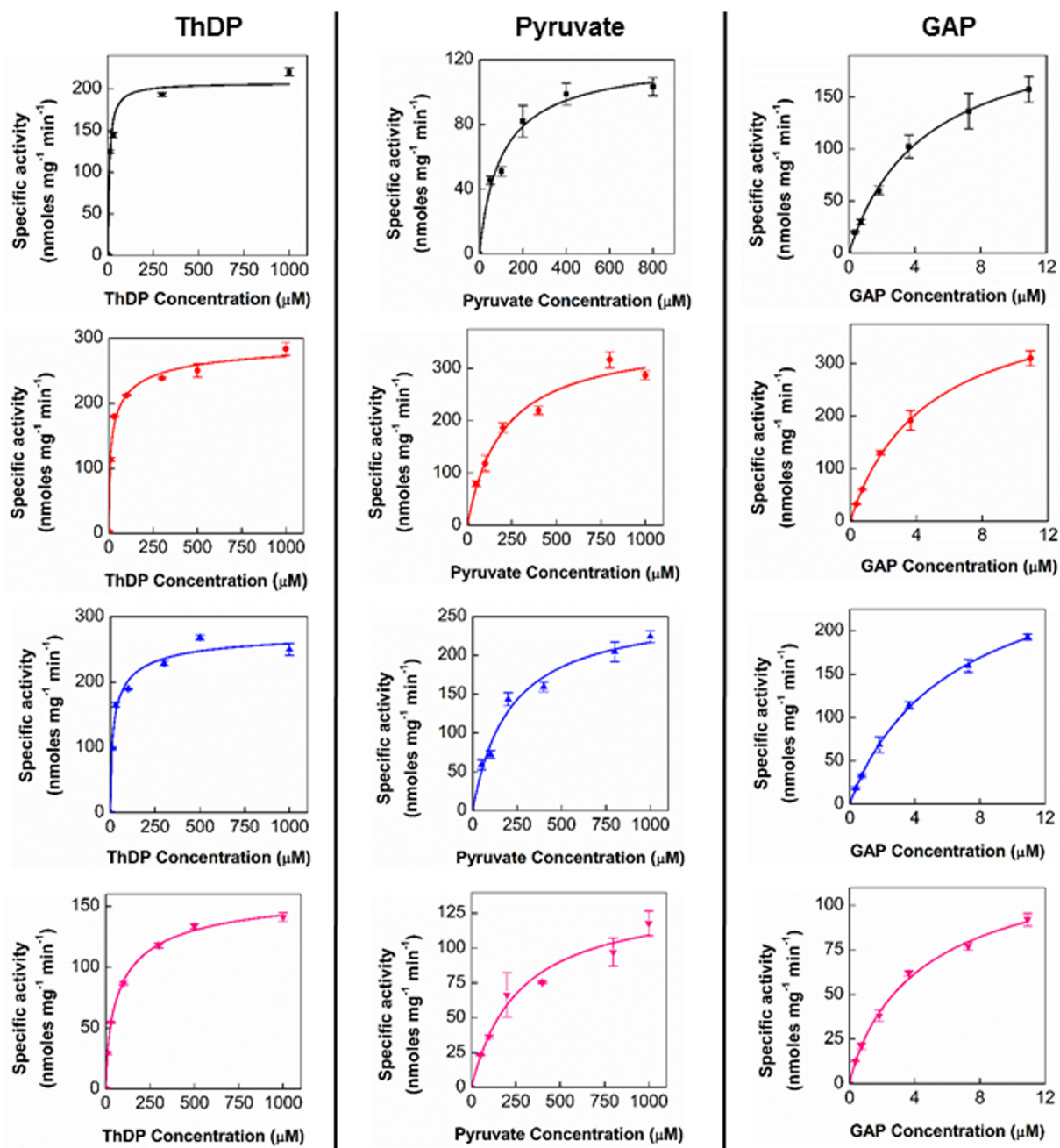


Fig S3. Michaelis-Menten plots for WT and different mutants of *PtDXS* in presence of each of the substrates. Each data point represents mean, error bars represent S.E. (n = 3). Different symbols represent the experimental data points. The solid lines represent the fitted curves. Black, red, blue, and pink represent the activity of WT, A147G, A352G and A147G/A352G *PtDXS* respectively.