

Supplemental Material

Mutational analysis of the 5'-OH oligonucleotide phosphate acceptor site of T4 polynucleotide kinase

Li Kai Wang and Stewart Shuman

Molecular Biology Program, Sloan-Kettering Institute, New York, NY 10021

Figure S1

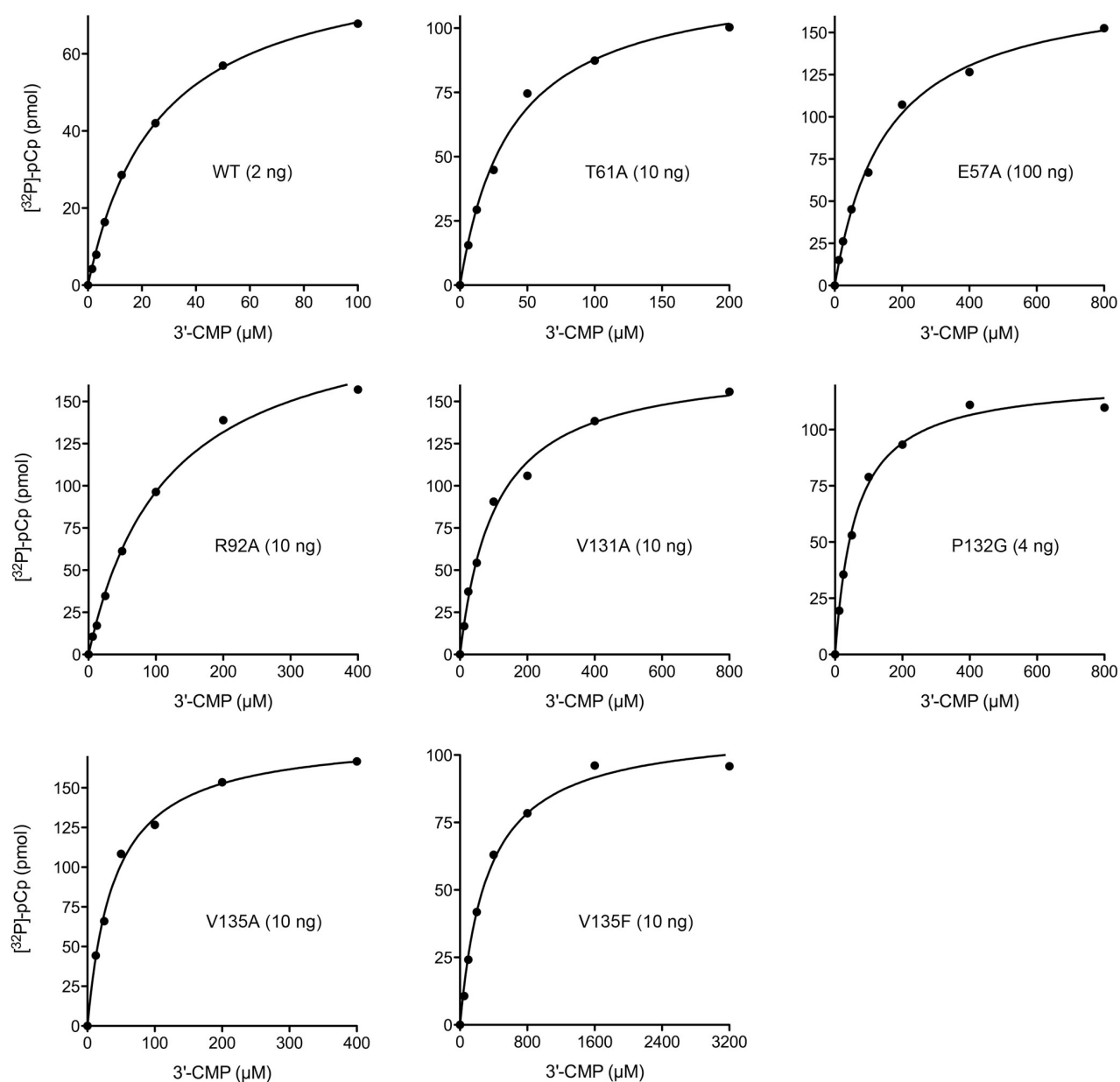


Figure S1. Dependence of kinase activity on the concentration of the 3'-CMP phosphate acceptor. Kinase assays were performed as described in Table I. The extents of $[\alpha\text{-}^{32}\text{P}]\text{pCp}$ product formation by wild-type and mutant Pnkp proteins are plotted as a function of 3'-CMP concentration. The curves represent nonlinear regression fits of the data to the Michaelis-Menten equation. The amount of input Pnkp protein is specified in each plot.