

## Supplementary material

### Rational Mutagenesis in the Lid Domain of Ribokinase from *E. coli* Results in an Order of Magnitude Increase in Activity towards D-arabinose

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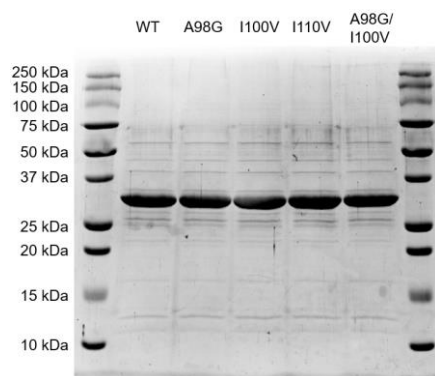


Figure S1. SDS PAGE analysis of the wild type *EcoRK* and the four investigated mutant forms (5  $\mu$ g of protein per lane). Marker - Precision Plus Protein All Blue Standard, Biorad.

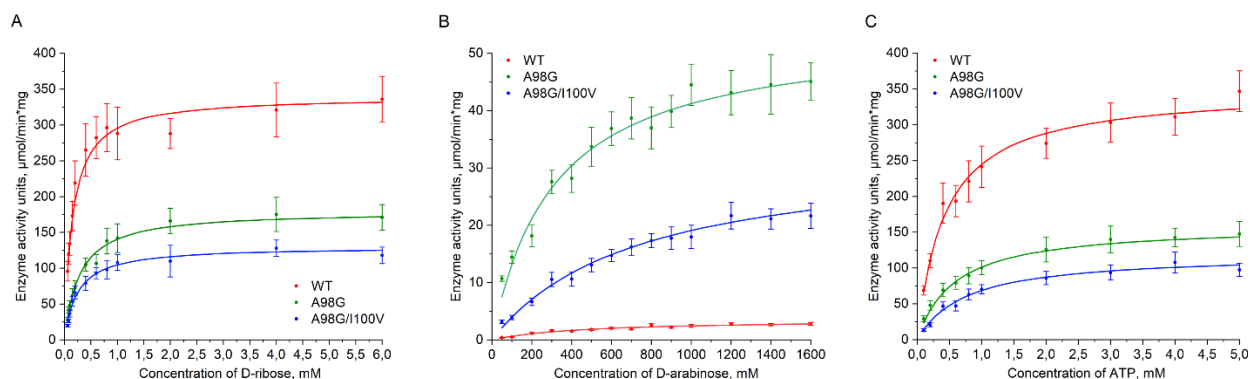


Figure S2. Michaelis-Menten plots for the enzymatic activity of wild type *EcoRK*, A98G and A98G/I100V mutants towards D-ribose (A), D-arabinose (B) and ATP (C). Data represented in mean values and standard deviation (three repeats).