

Supplementary figures

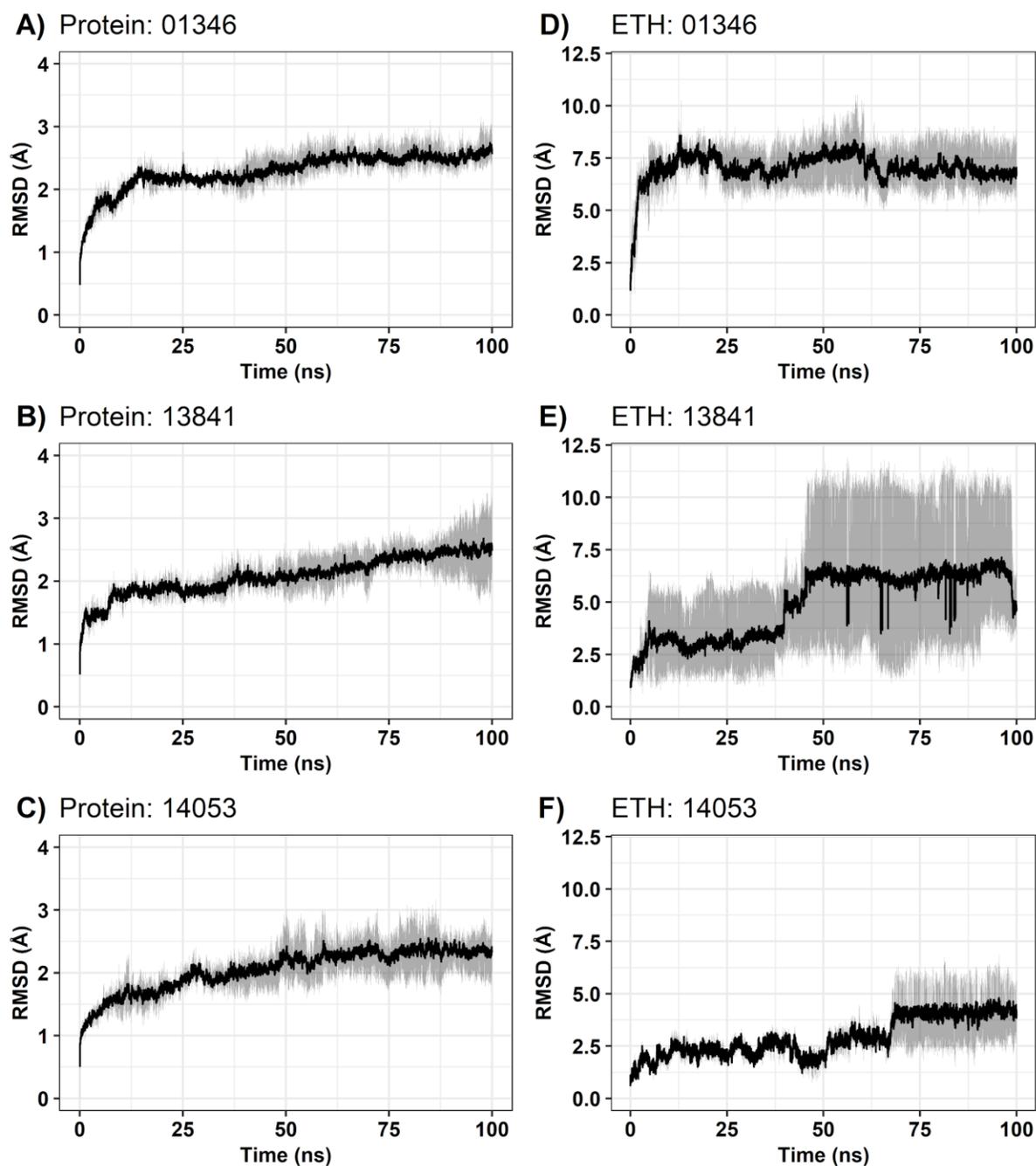


Figure S1: Protein and ETH RMSD of the EthA systems. Mean (black lines), and confidence interval (lines smooth grey) of the triplicates are displayed.

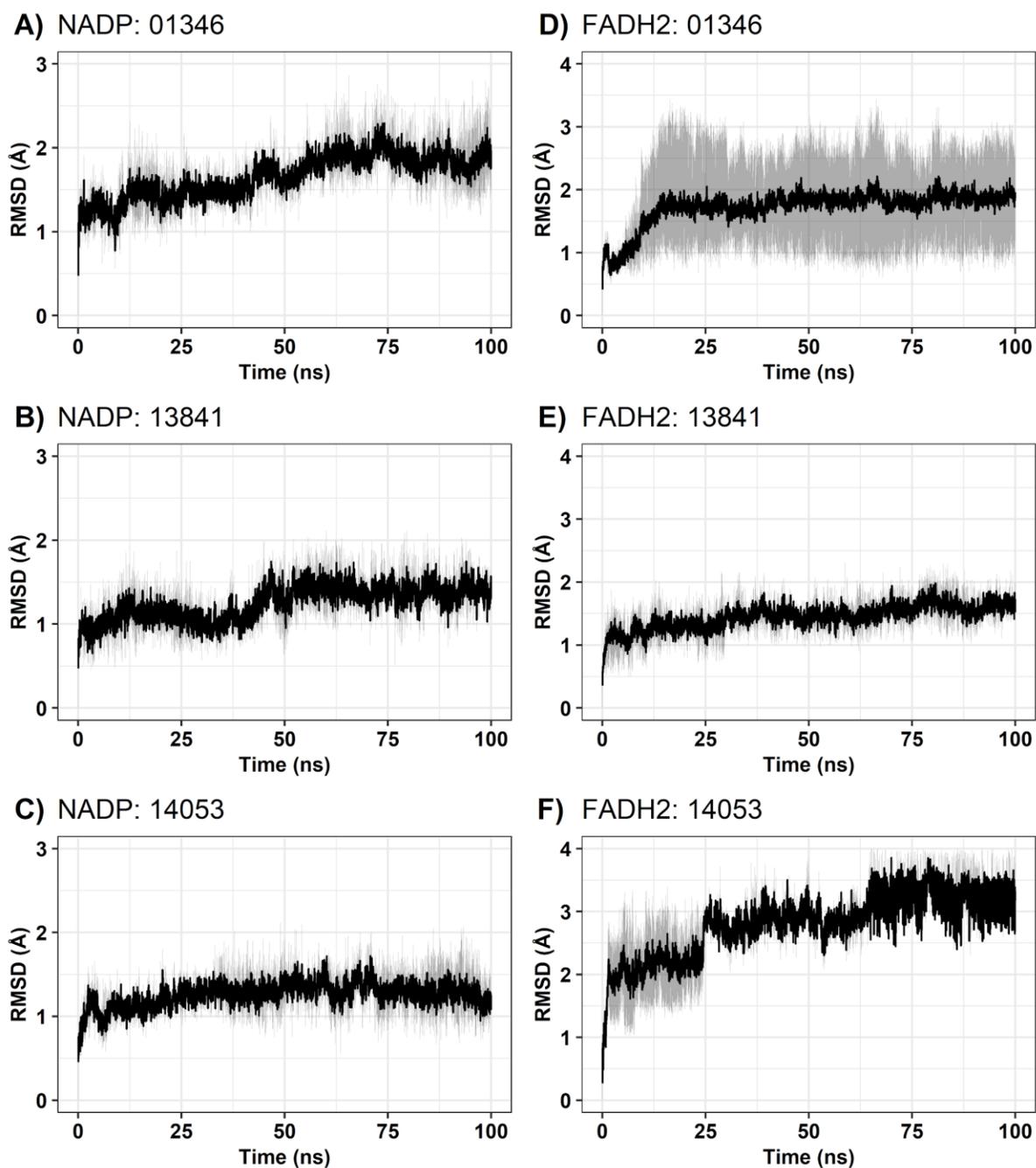


Figure S2: NADP and FADH₂ RMSD of the EthA systems. Mean (black lines), and confidence interval (lines smooth grey) of the triplicates are displayed.

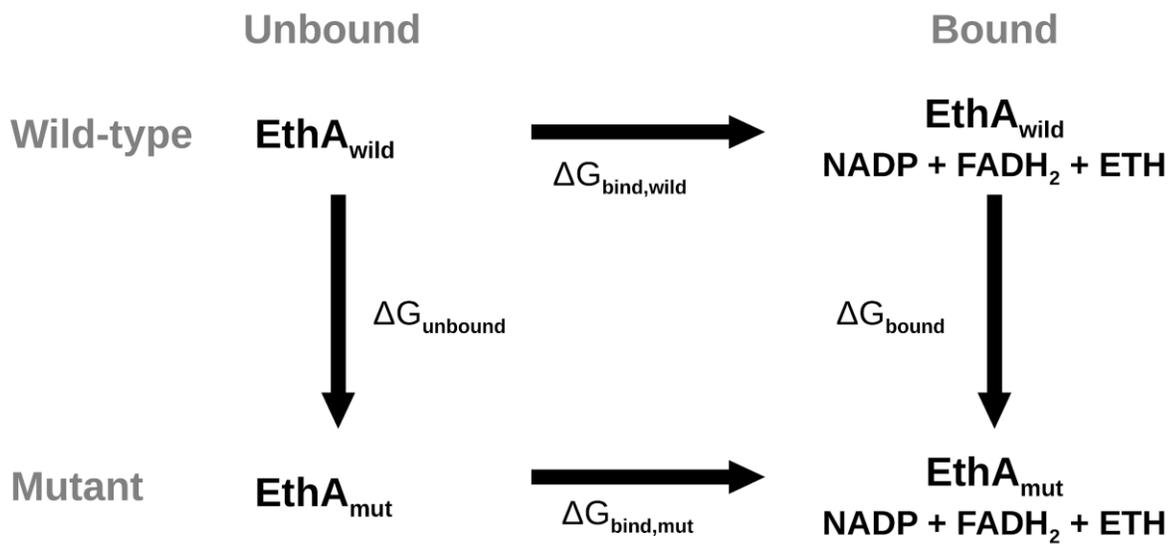


Figure S3: Thermodynamic cycle of the forward free energy change upon a transformation of a wild residue (Y50 and T453) to a mutant residue (C50 and I453).