

Supporting Information

Yang et al. 10.1073/pnas.0902377106

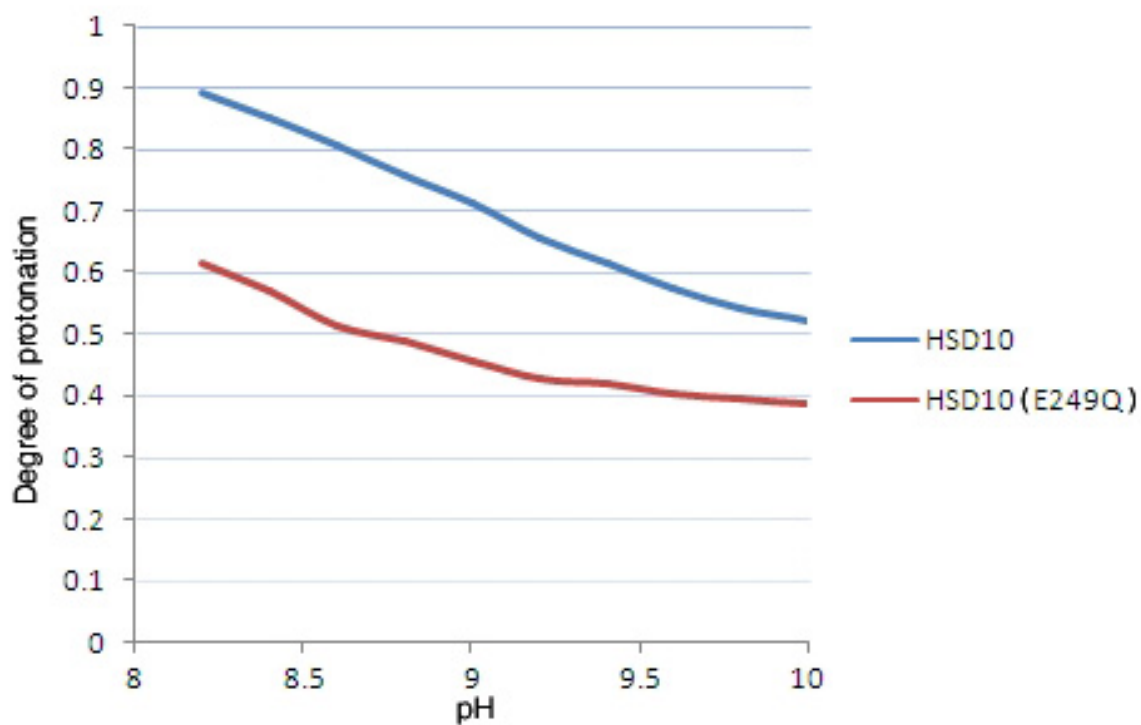


Fig. S1. A portion of the predicted titration curves for lysine 172 in HSD10 (blue line) and HSD10(E249Q) (redline).

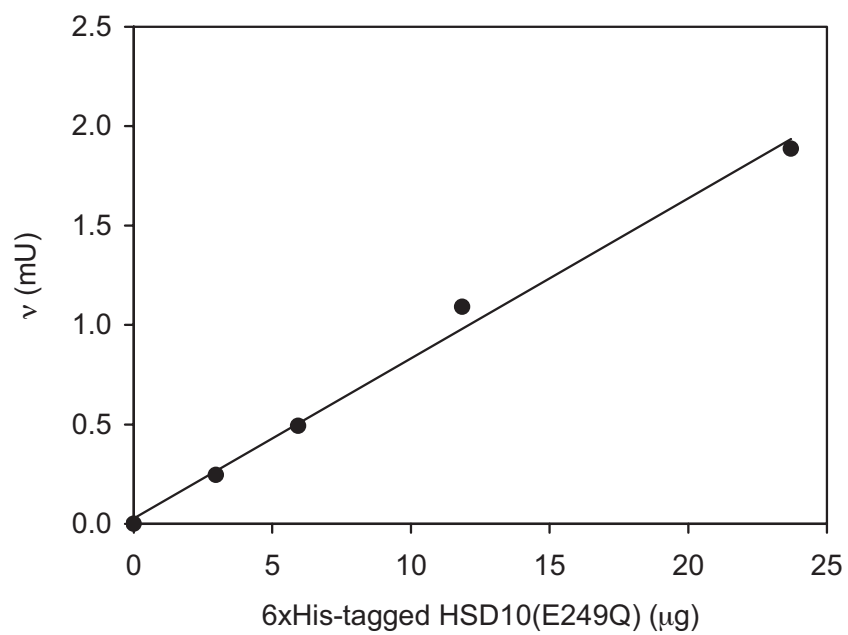


Fig. S2. Initial velocities of the oxidative reaction of allopregnanolone ($51 \mu\text{M}$) as a function of the amount of mutant enzyme 6xHis-tagged HSD10(E249Q).

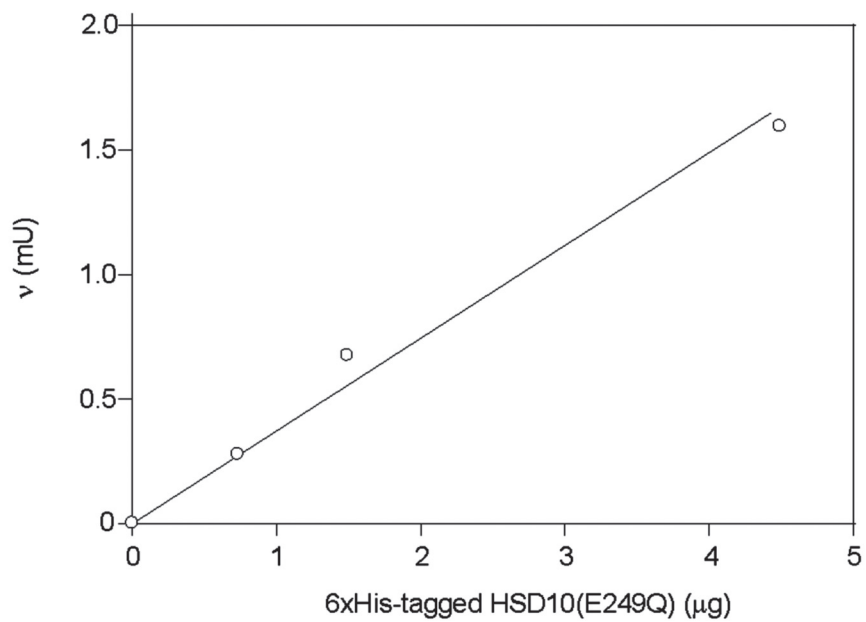


Fig. S3. Initial velocities of the dehydrogenation of 2-methyl-3-hydroxybutyryl-CoA ($16 \mu\text{M}$) as a function of the amount of mutant enzyme 6 \times His-tagged HSD10(E249Q).

