S3 Fig. Reduced stability of Ca^{2+} binding variant E301A. A. Thermal stability of RMCAH without (blue) or with E301A mutation (orange), determined by circular dichroism at 220 nm with 25 μM enzyme, 50 mM Tris pH 7.5, 200 mM NaCl. B. The effect of heat treatment (62 °C, 30 minutes) on the activity of E301A and WT RMCAH determined by the decrease in absorbance of cyanuric acid at 214 nm in 25mM Tris pH 7.0. Activity units are μmol CYA/min/mg CAH. Percent residual activity relative to that of untreated WT is given in parenthesis.