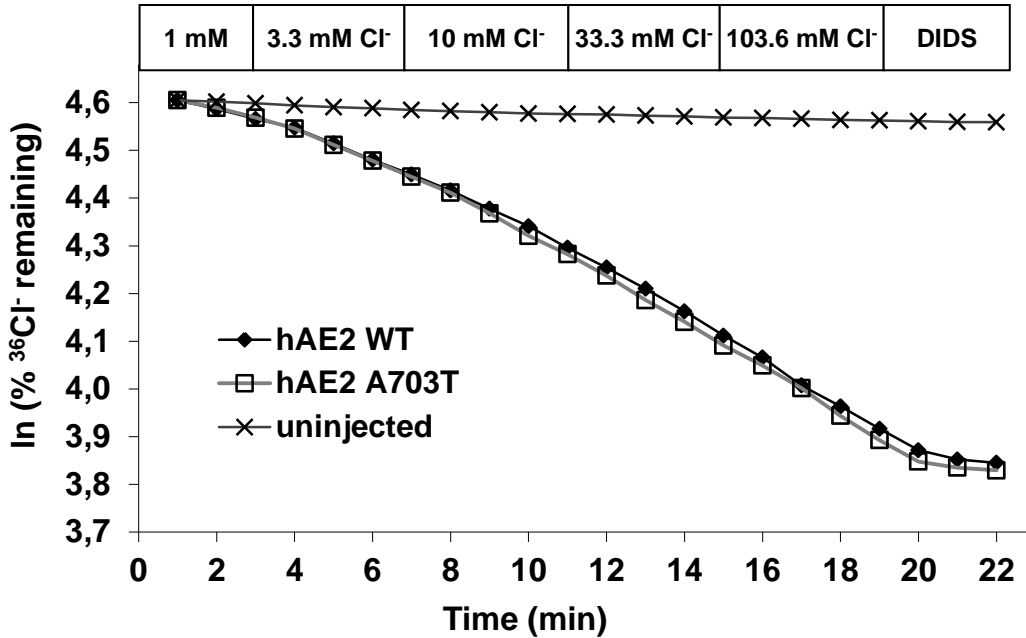
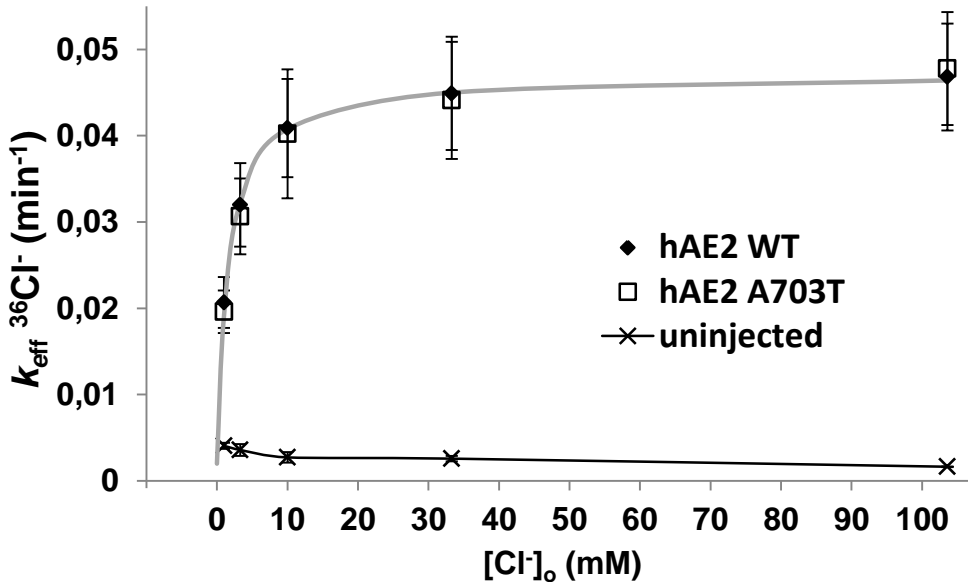


A**B**

Supplementary Figure S9. Indistinguishable $[\text{Cl}^-]_o$ dependence of $^{36}\text{Cl}^-/\text{Cl}^-_o$ exchange mediated by hAE2 and variant A703T. (A) Representative $^{36}\text{Cl}^-$ efflux traces from individual oocytes expressing 2 ng hAE2 or hAE2 A703T cRNA or from an uninjected oocyte during sequential exposures to baths containing the indicated increasing $[\text{Cl}^-]$. (B) $\text{Cl}^-/\text{Cl}^-_o$ efflux rate constants at each tested $[\text{Cl}^-]_o$ for oocytes expressing hAE2 (n=5), hAE2 A703T (n=6), and uninjected oocytes (n=3). As data from oocytes expressing hAE2 and hAE2 A703T did not differ statistically, they were fit to a single Michaelis-Menten curve, with $K_{1/2}(\text{Cl}^-_o)$ of 2.4 mM. Values are means \pm S.E.M.