



Supplementary Fig. 1. Effects of osmotic gradients on I_{eq} and HCO_3^- secretion (controls for Fig.8). *A*, monolayers were bathed initially in symmetrical HCO_3^- -free solution under open circuit conditions. Nystatin ($360 \mu g ml^{-1}$) was added on the apical side to permeabilize the apical membrane. Subsequent addition of $50 mmol l^{-1}$ mannitol to the apical side (+50 mOsm) did not alter I_{eq} . *B*, after permeabilizing the apical membrane and imposing a HCO_3^- gradient, further addition of $50 mmol l^{-1}$ mannitol did not influence the HCO_3^- flux mediated by basolateral anion exchange.