



SUPPLEMENTARY FIG. S1. Perchlorate prevented high dose iodide from decreasing *Slc5A5* mRNA suppression in FRTL-5 cells. FRTL-5 cells were cultured in medium containing bovine TSH ($30 \mu\text{U}/\text{mL}$) and a low (10^{-8} M) or high (10^{-4} M) iodide concentration with or without perchlorate ($10 \mu\text{M}$). After an additional 72 h of culture, total RNA was isolated, and the mRNA expression level of *Slc5a5* was analyzed by real-time polymerase chain reaction. Results are expressed relative to mRNA levels found in FRTL-5 cells treated with 10^{-8} M NaI. Data are means \pm SD of four samples. $*p \leq 0.05$ compared with the control.