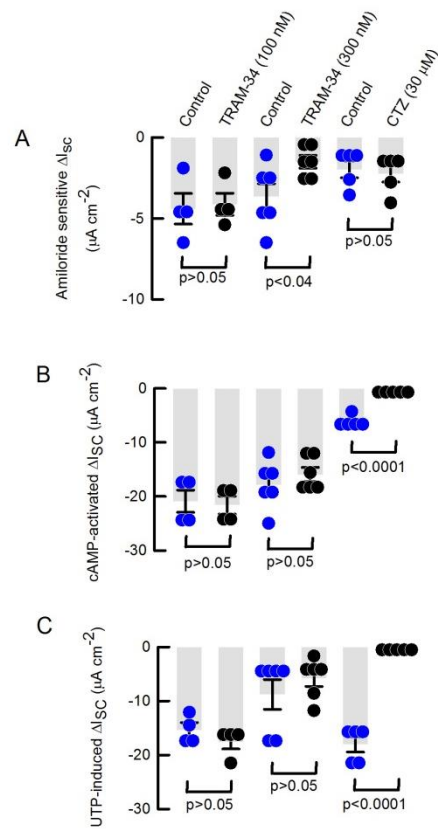
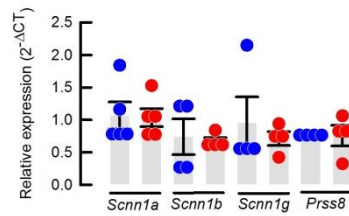


SUPPLEMENTAL FIGURE 1.



SUPPLEMENTAL FIGURE 1. The KCa3.1 inhibitors TRAM-34 and clotrimazol (CTZ), have different effects on short-circuit currents measured in HBECS. (A) summarizes the amiloride-sensitive sodium-absorption. (B) cAMP and (C) Ca^{2+} -induced anion secretion was affected by CTZ only. All groups correspond to paired experiments. Calculation of the cAMP-induced ISC in the CTZ and corresponding controls were calculated using the CFTR_{inh}172 after cAMP; n=4 for TRAM-34 100 nM; n=6 for TRAM-34 300 nM and n=5 for CTZ 30 μM . Analysis performed using Rank sum test.

SUPPLEMENTAL FIGURE 2.



SUPPLEMENTAL FIGURE 2. Silencing of *Kcnn4* does not induce changes in the expression of ENaC subunits or prostasin (*Prss8*). Transcripts were isolated from airway epithelial cells from wild type (blue dots) or *Kcnn4*^{-/-} (red dots). Values correspond to $2^{-\Delta CT}$ normalized to Cyclophilin; n = 4–5 for each group. Statistical analysis performed using a Rank sum test.