Additional File 1

**Proteome of airway surface liquid and mucus in newborn wildtype and cystic fibrosis piglets**

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**Additional Figures**

**Figure S1. Immunostaining controls.** *(A)* Submucosal gland. Secondary antibody donkey anti-goat Alexa Fluor 555, no primary antibody. Scale bar: 20 µm. *(B)* Airway surface epithelium. Secondary antibody donkey anti-goat Alexa Fluor 555, no primary antibody. Scale bar: 20 µm. *(C)* Submucosal gland. Secondary antibody donkey anti-mouse Alexa Fluor 555, no primary antibody. Scale bar: 20 µm. *(D)* Airway surface epithelium. Secondary antibody donkey anti-mouse Alexa Fluor 555, no primary antibody. Scale bar: 20 µm. *(E)* Submucosal gland. Secondary antibody donkey anti-rabbit Alexa Fluor 488, no primary antibody. Scale bar: 10 µm. *(F)* Airway surface epithelium. Secondary antibody donkey anti-rabbit Alexa Fluor 488, no primary antibody. Scale bar: 10 µm. Nuclei counterstained with Hoechst in A-F.



**Figure S2. Epithelial staining relating to figure 3.** *(A)* Staining with AGR2 (red) and nuclei (blue) in the surface epithelium of the same tissue used in figure 3B. Scale bar: 10 µm. *(B)* Staining with PDIA3 (red), the MUC5B mucin (green) and nuclei (blue) in the surface epithelium of the same tissue used in figure 3E. Scale bar: 10 µm. Dashed lines delineate the epithelium (ep). Cilia (ci) and goblet cell (gc) are indicated.

