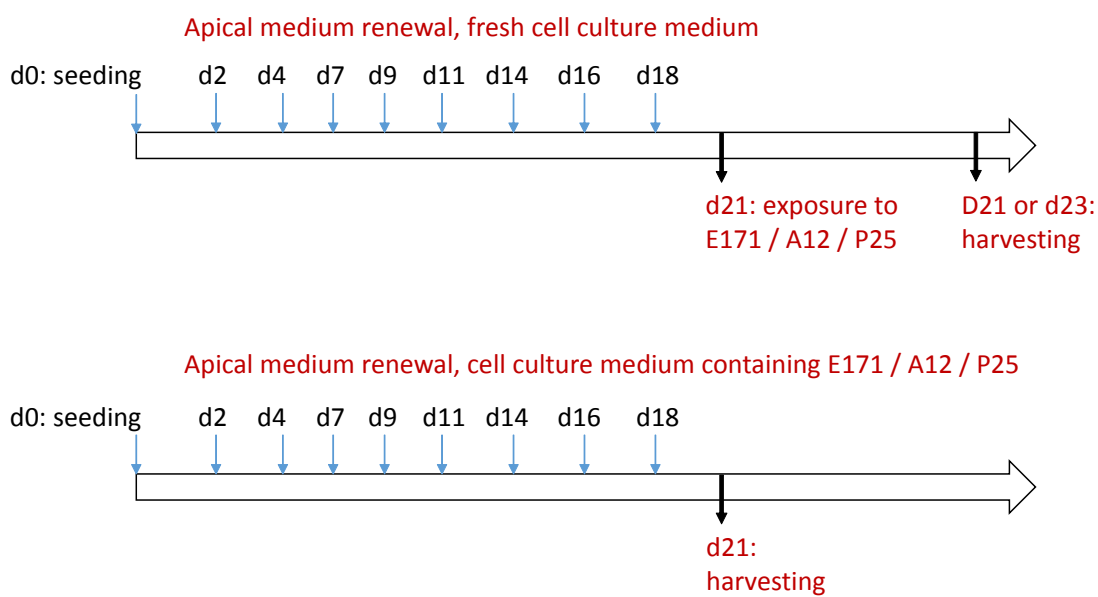


Supplemental figure 1. Exposure procedure



Supplemental Table 1. Primer sequences for qPCR experiments

	Forward	Reverse
Mucus		
TFF3	5'-AGG-AGT-ACG-TGG-GCC-TGT-CT-3'	5'-AAG-GTG-CAT-TCT-GCT-TCC-TG-3'
MUC1	5'-AGA-CGT-CAG-CGT-GAG-TGA-TG-3'	5'-CAG-CTG-CCC-GTA-GTT-CTT-TC-3'
KLF4	5'-ATG-TGT-AAG-GCG-AGG-TGG-TC-3'	5'-CCC-ACA-CAG-GTG-AGA-AAC-CT-3'
MUC12	5'-ACC-TTA-GCA-CCA-GGG-TTG-TG-3'	5'-GGA-GGA-TGC-GTC-ATT-CAT-CT-3'
MUC17	5'-TGC-AGA-ACA-GGA-CCT-CAG-TG-3'	5'-AGG-TCA-TCT-CAG-GGT-TGG-TG-3'
ABC transporters		
MDR1	5'-GCC-AAA-GCC-AAA-ATA-TCA-GC-3'	5'-TTC-CAA-TGT-GTT-CGG-CAT-3'
BCRP	5'-TGC-AAC-ATG-TAC-TGG-CGA-AGA-3'	5'-TCT-TCC-ACA-AGC-CCC-AGG-3'
MRP1	5'-GGG-CTG-CGG-AAA-GTC-GT-3'	5'-AGC-CCT-TGA-TAG-CCA-CGT-G-3'
MRP2	5'-TGA-GCA-AGT-TTG-AAA-CGC-ACA-T-3'	5'-AGC-TCT-TCT-CCT-GCC-GTC-TCT-3'
Junctions		
CLDN1	5'-TGG-AAG-ACG-ATG-AGG-TGC-AG-3'	5'-AAG-GCA-GAG-AGA-AGC-AGC-AG-3'
OCLN	5'-ACT-TCA-GGC-AGC-CTC-GTT-AC-3'	5'-CCT-GAT-CCA-GTC-CTC-CTC-CA-3'
TJP1	5'-GTG-CTG-GCT-TGG-TCT-GTT-TG-3'	5'-TCT-GTA-CAT-GCT-GGC-CAA-GG-3'
CTNNB1	5'-GGC-CAT-GGA-ACC-AGA-CAG-AA-3'	5'-ACC-CTC-TGA-GCT-CGA-GTC-AT-3'
Microvilli		
ALPI	5'-CAT-CGC-CAC-TCA-GCT-CAT-CT-3'	5'-TTC-CAC-ACA-TAC-CAG-GCA-CC-3'
SI	5'-GGA-TTC-TTG-GCT-GCC-TGG-AT-3'	5'-CAT-GAG-CAT-TGC-CCT-CCT-CT-3'