Supplementary material for:


"Characterisation of proguanylin expressing cells in the intestine – evidence for constitutive luminal secretion"
Supplementary Figure 1: Expression of secretory cell markers
Expression of secretory cell markers in Guca2a positive (purple) and negative (grey) cells across the different tissues (D: duodenum, J: jejunum, I: ileum, C: Colon). Data is shown as log-transformed Deseq2-normalised read counts for all samples and the mean for each group. * indicates that the gene is differently expressed between the positive and negative cells in the tissue (padj < 0.05) using Deseq2.
Supplementary Figure 2: Guanylin expression in differentiating organoids

(a) Expression of GUCA2 measured by RT-qPCR in organoids after initiation of differentiation for the indicated number of days through incubation in differentiation media. Data are from 7 individual wells from n=3 independent experiments and mean ± sd. (b) Phase contrast images of an organoid monitored whilst incubated in differentiation media for 13 days (scale bar: 400 µm).