Supplementary Figures

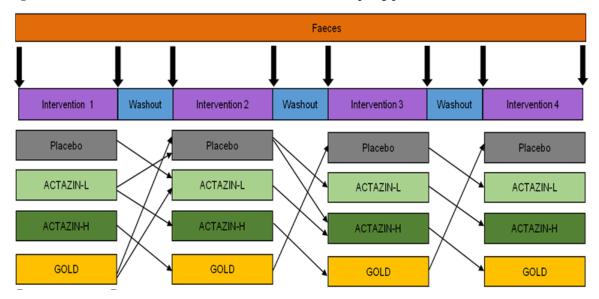


Figure S1. Schematic of trial treatments, washouts and sampling points.

Figure S2. SmartPill® data output for a single participant showing pressure (red), temperature (blue) and pH (green) measurements *in situ* during gastrointestinal transit. Transit events (ingestion, gastric emptying, ileocecal junction, exiting the body) are shown (blue, grey, green and pink bars, respectively).

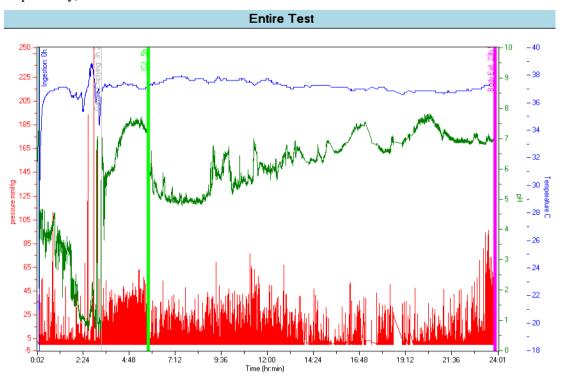


Figure S3. Net change in *Faecalibacterium prausnitzii* abundance after Livaux treatment for the nine participants of the functionally constipated group as measured by Illumina MiSeq sequencing.

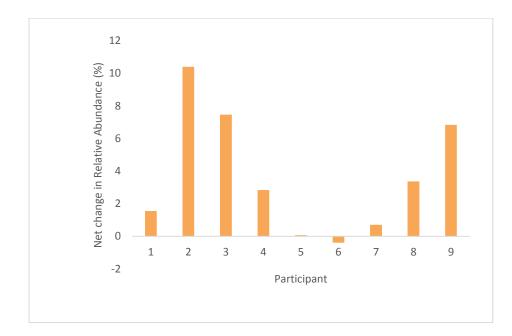


Table S4. Average distal colonic pH data from SmartPill® measurements from the six participants while on the placebo or ACTAZINTM H treatments. Standard error of the mean (SEM).

	Placebo	Actazin™ H
Participant 1	7.00	6.30
Participant 2	6.84	6.70
Participant 3	6.10	6.03
Participant 4	6.30	5.78
Participant 5	5.90	6.77
Participant 6	5.67	6.70
Average	6.30	6.38
SEM	0.21	0.17