

Supplementary Table 5. Strains of *Ruminococcus gnavus* used in these studies.

Number	Strain designation	Origin
1	VPI C7-9 (from ATCC)	Human stool
2	CC55_001C (from BEI)	Colonic biopsy
3	CD1 FAA 3	Crohn's Disease community 1 – mucosal biopsy
4	32-6-I 9 D6 FAA AN	Healthy Donor 6- feces
5	2/1/58FAA	IBD Patient 58 -mucosal biopsy
6	UC2 D5 FAA 1	Ulcerative colitis community 2 -mucosal biopsy
7	OB21_GAM_25_AN	Obese community 1 -feces
8	WAL 14576	Finegold lab isolate - feces

Assignment to the *R. gnavus* species was made by the source laboratory and confirmed with an established PCR assay ¹.

1. Png, C.W., *et al.* Mucolytic bacteria with increased prevalence in IBD mucosa augment in vitro utilization of mucin by other bacteria. *Am J Gastroenterol* **105**, 2420-2428 (2010).