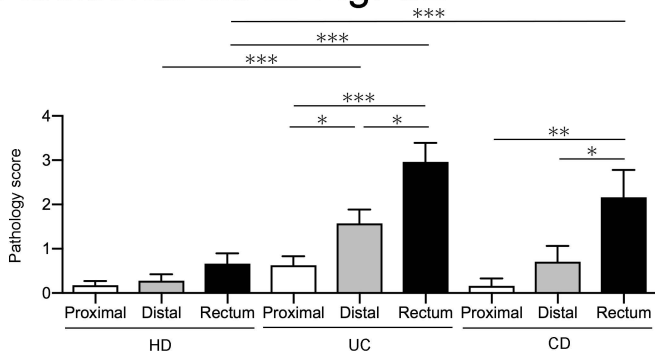
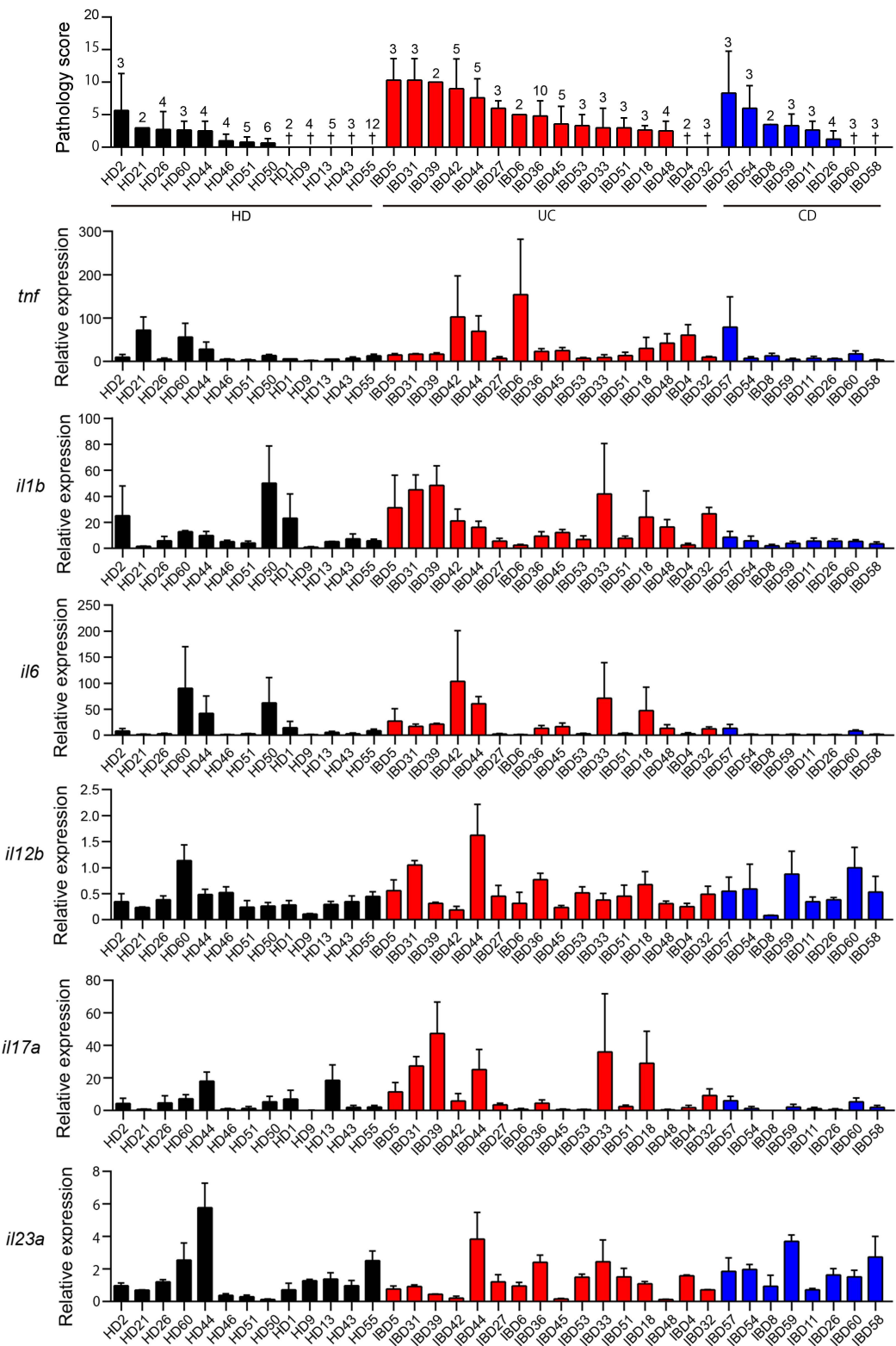


Additional file 2: Fig. S2



Pathological analysis of colorectal segments of *Il10*^{-/-} mice following fecal transplantation. Fecal suspensions from HD, UC, or CD subjects were transplanted into flora-depleted *Il10*^{-/-} mice as described in Figure 2. Pathology scores for each segment, including the proximal colon, distal colon, and rectum, were calculated separately. Statistical differences between two values were analyzed using a Mann-Whitney U test. *, P < 0.05; **, P < 0.01; ***, P < 0.001.

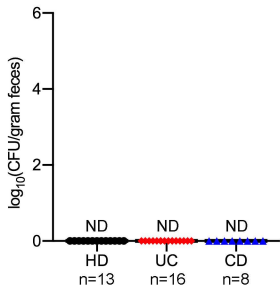
Additional file 2: Fig. S3



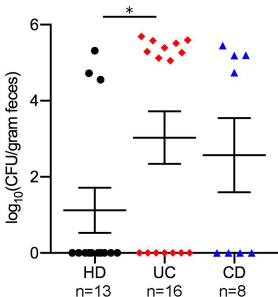
Cytokine expression of colon in individual groups of mice. Mean cytokine expression in mouse colon corresponding to individual fecal donors. The identification codes of individual subjects are shown on the X-axis, and correspond to those in Figure 2. Mean \pm SE. The numbers above the error bars indicate the number of mice in each category.

Additional file 2: Fig. S4

Day 0 *E. faecium*

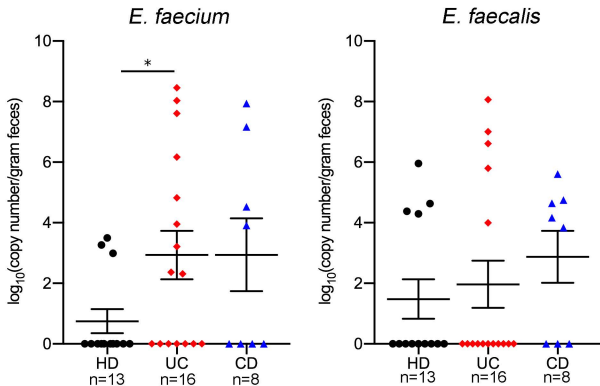


Day 28 *E. faecium*



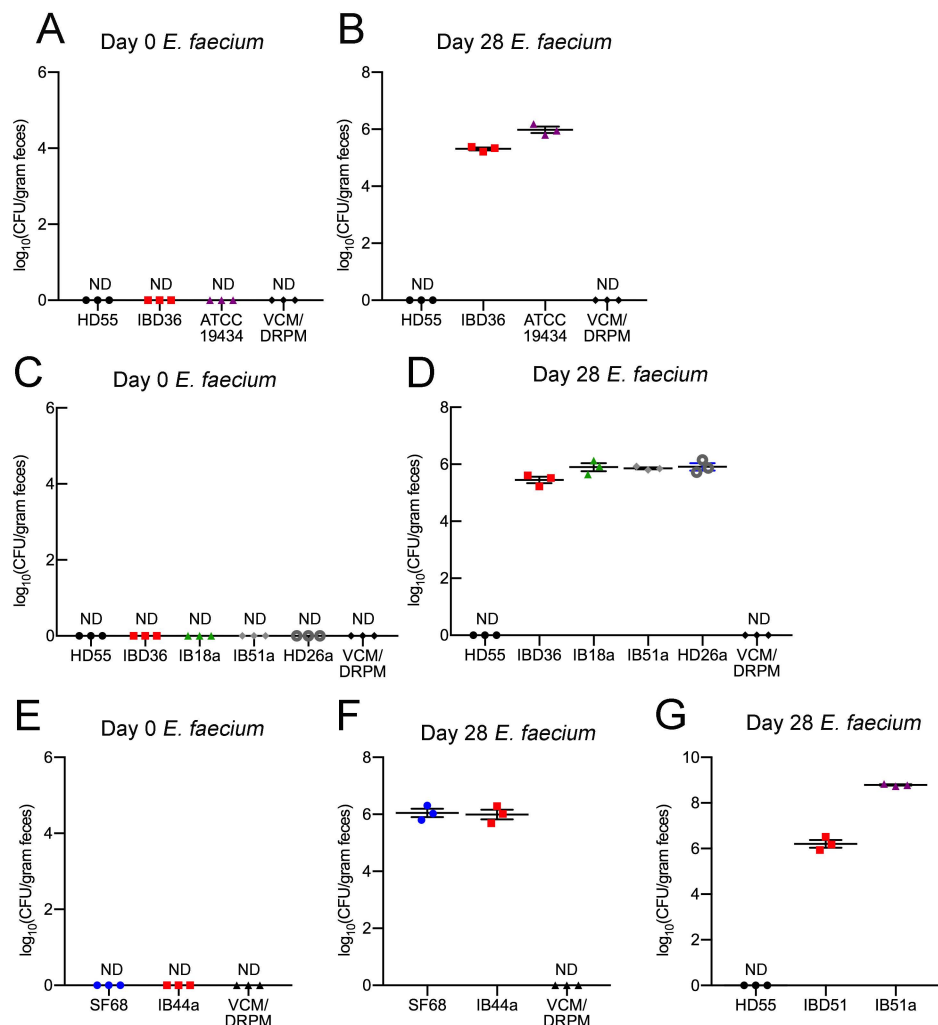
Quantitation of *E. faecium* in mice by culture after fecal transplantation. Colony-forming units (CFU) of *E. faecium* in feces of mice before or 28 days after fecal transplantation. Feces of representative mice corresponding to the 37 subjects was examined. Mean \pm SE. *, $P < 0.05$.

Additional file 2: Fig. S5



Quantitation of *E. faecium* and *E. faecalis* in mice by PCR after fecal transplantation. Copy number of *E. faecium* (left) or *E. faecalis* (right) in feces of mice after fecal transplantation. Feces of representative mice corresponding to the 37 subjects was examined. Mean \pm SE. *, $P < 0.05$.

Additional file 2: Fig. S6

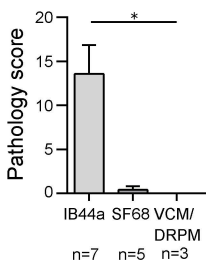


Quantitation of *E. faecium* in mice by culture after *E. faecium* inoculation.

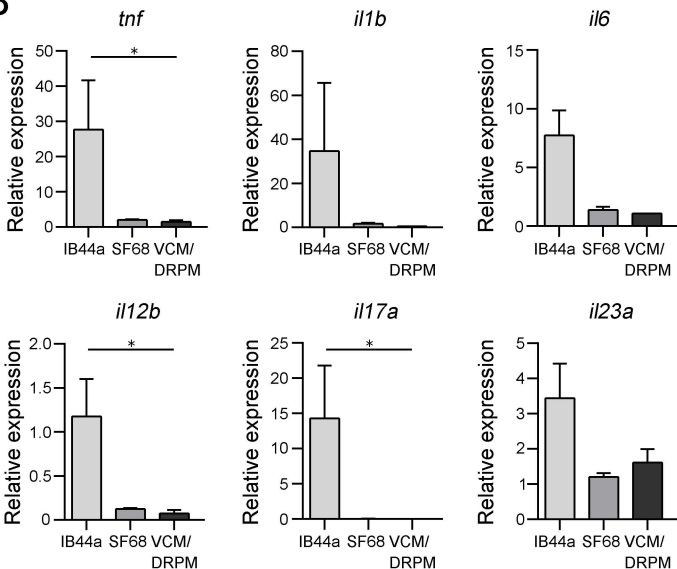
CFU of *E. faecium* in feces of mice before or 28 days after fecal transplantation or inoculation of the indicated *E. faecium* strain. Feces of three representative mice from each group was examined. Mean ± SE. ND, not detected.

Additional file 2: Fig. S7

A



B

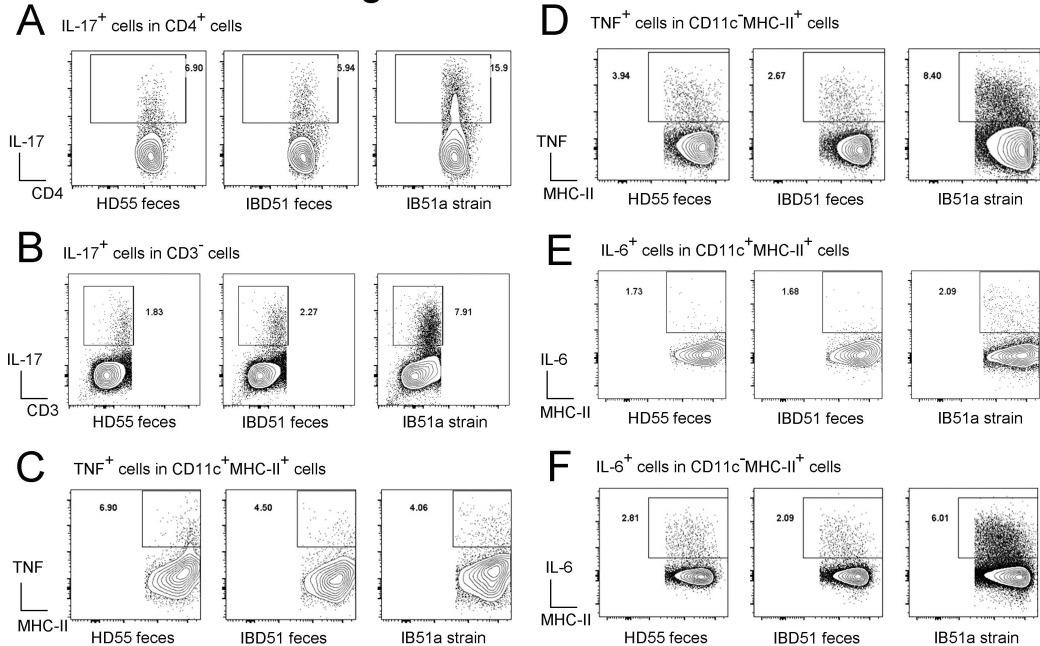


Effect of inoculation with UC-derived or probiotic

E. faecium strain on colitis. UC-derived *E. faecium* strain IB44a or probiotic *E. faecium* strain SF68 was inoculated into flora-depleted *Il10^{-/-}* mice. The control group was treated with antibiotics (VCM/DRPM) in the absence of transplantation. (a) Mean pathology scores of mice from each treatment group. (b) mRNA expression levels of inflammatory cytokines in the colon analyzed by real-time PCR. Statistical differences between a value and the microbiota-depleted control were analyzed using the Kruskal-Wallis test followed by Dunn's test. Mean \pm SE.

*, $P < 0.05$

Additional file 2: Fig. S8



Intracellular cytokine staining of colon lamina propria cells after inoculation of *E. faecium* strain IB51a. This figure is related to Figure 6f. Germ-free *Il10*^{-/-} mice received fecal transplantation from donor HD55 or IBD51, or were inoculated with *E. faecium* strain IB51a. After 21 days, single cells were obtained from colonic lamina propria and stained with antibodies to the indicated cytokines. Percentages of cytokine-positive cells are shown in the plots.