Figure S1A  Fecal bacterial composition of each subject. CD, Crohn’s disease; UC, ulcerative colitis; LC, liver cirrhosis; PC, pancreatic cancer; CC, colon cancer; IS, ischemic small bowel disease; AL, alcoholic liver disease.
Figure S1B  Fecal mean bacterial composition (a) and mean Clostridium subcluster XIVa proportion (b) of control and IBD patients. Data are shown as mean ± SEM, and statistical significance of differences between groups was evaluated Mann-Whitney test. CD, Crohn’s disease; UC, ulcerative colitis.
Figure S2A  Fecal glycine or taurine conjugated and unconjugated usual bile acids (CA, CDCA, DCA, LCA, UDCA) of each subject. BAs, bile acids; CD, Crohn’s disease; UC, ulcerative colitis; LC, liver cirrhosis; PC, pancreatic cancer; CC, colon cancer; IS, ischemic small bowel disease; AL, alcoholic liver disease.
Figure S2B  Fecal unconjugated bile acid composition of each subject. BAs, bile acids; CD, Crohn’s disease; UC, ulcerative colitis; LC, liver cirrhosis; PC, pancreatic cancer; CC, colon cancer; IS, ischemic small bowel disease; AL, alcoholic liver disease.
**Figure S3A**  Serum glycine or taurine conjugated and unconjugated usual bile acids (CA, CDCA, DCA, LCA, UDCA) of each subject. BAs, bile acids; CD, Crohn’s disease; UC, ulcerative colitis; LC, liver cirrhosis; PC, pancreatic cancer; CC, colon cancer; IS, ischemic small bowel disease; AL, alcoholic liver disease.
Figure S3B  Serum unconjugated bile acid composition of each subject. BAs, bile acids; CD, Crohn’s disease; UC, ulcerative colitis; LC, liver cirrhosis; PC, pancreatic cancer; CC, colon cancer; IS, ischemic small bowel disease; AL, alcoholic liver disease.
Figure S4  Relationships between the relative abundance of fecal *Clostridium* subcluster XIVa and fecal (A, C, E and G) or serum (B, D, F and H) bile acid (BA) transformation markers.
Figure S5  Effects of meals on serum bile acid (BA) transformation markers for fecal Clostridium subcluster XIVa. Blood samples were obtained before and after 2 hours of uncontrolled meals in 5 healthy subjects.