

How does the gut microbiome change after fecal transplantation?

Compare the bacteria community in the donors and the patients before and after FMT in the linked figure. What are the main changes in the gut flora after the patients received FMT? Which bacteria are responsible for the patients' improvement?

Before FMT, the patients' microbiomes include a lot of Proteobacteria, a phylum of bacteria that contains many pathogens. The healthy donors' gut microbiomes mostly contain Bacteroidetes and Firmicutes. After FMT, the flora of the patients' gut are similar to those of the donors. This patients' healthy flora remains weeks after FMT.