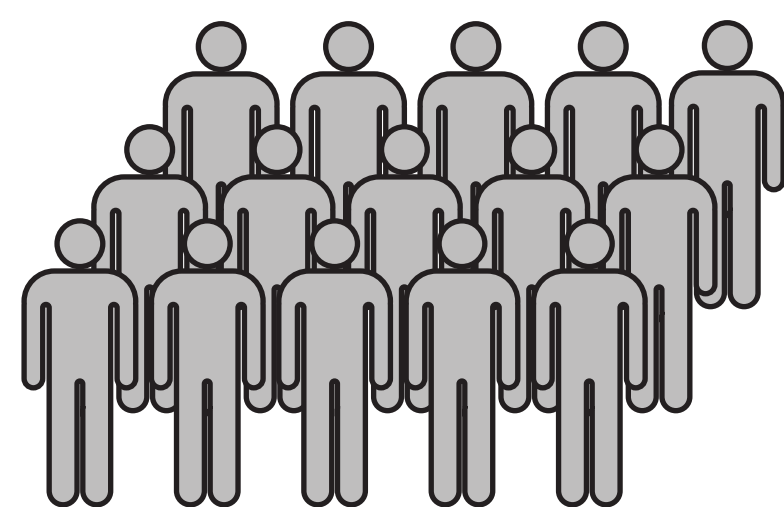
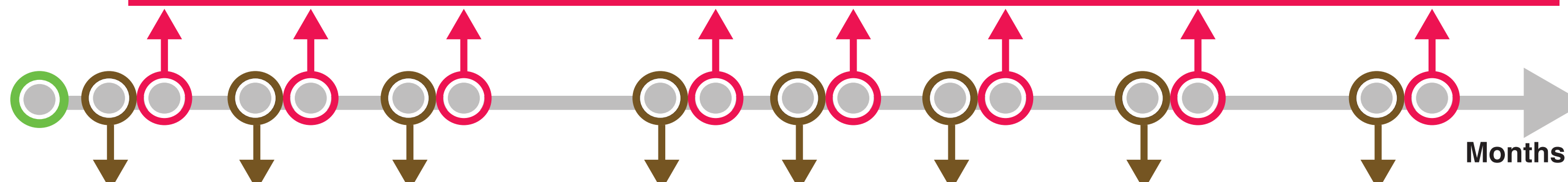
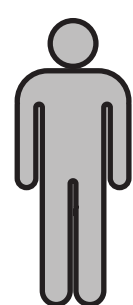
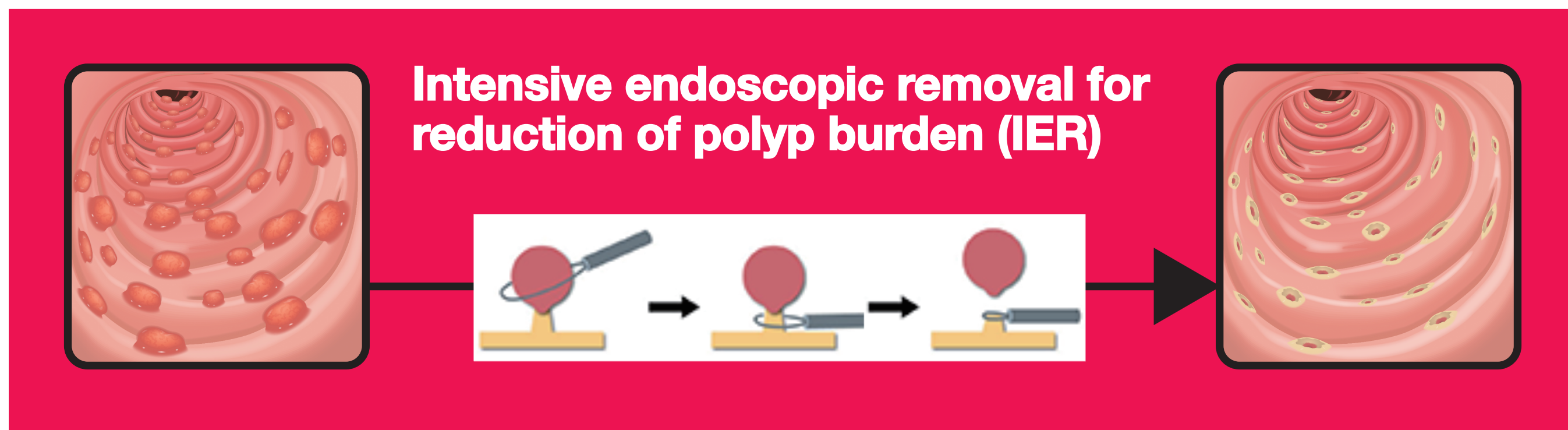


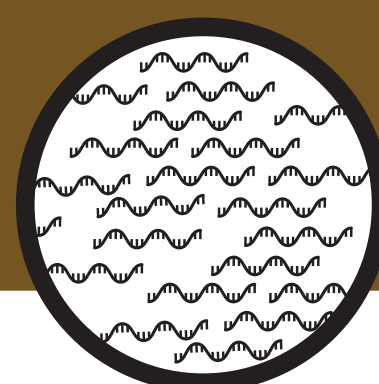
Patients with Familial Adenomatous Polyposis (FAP)



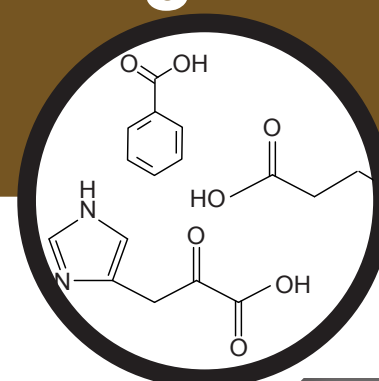
n = 130



- Questionnaire
- Stool sample
- IER



Shotgun metagenome sequence

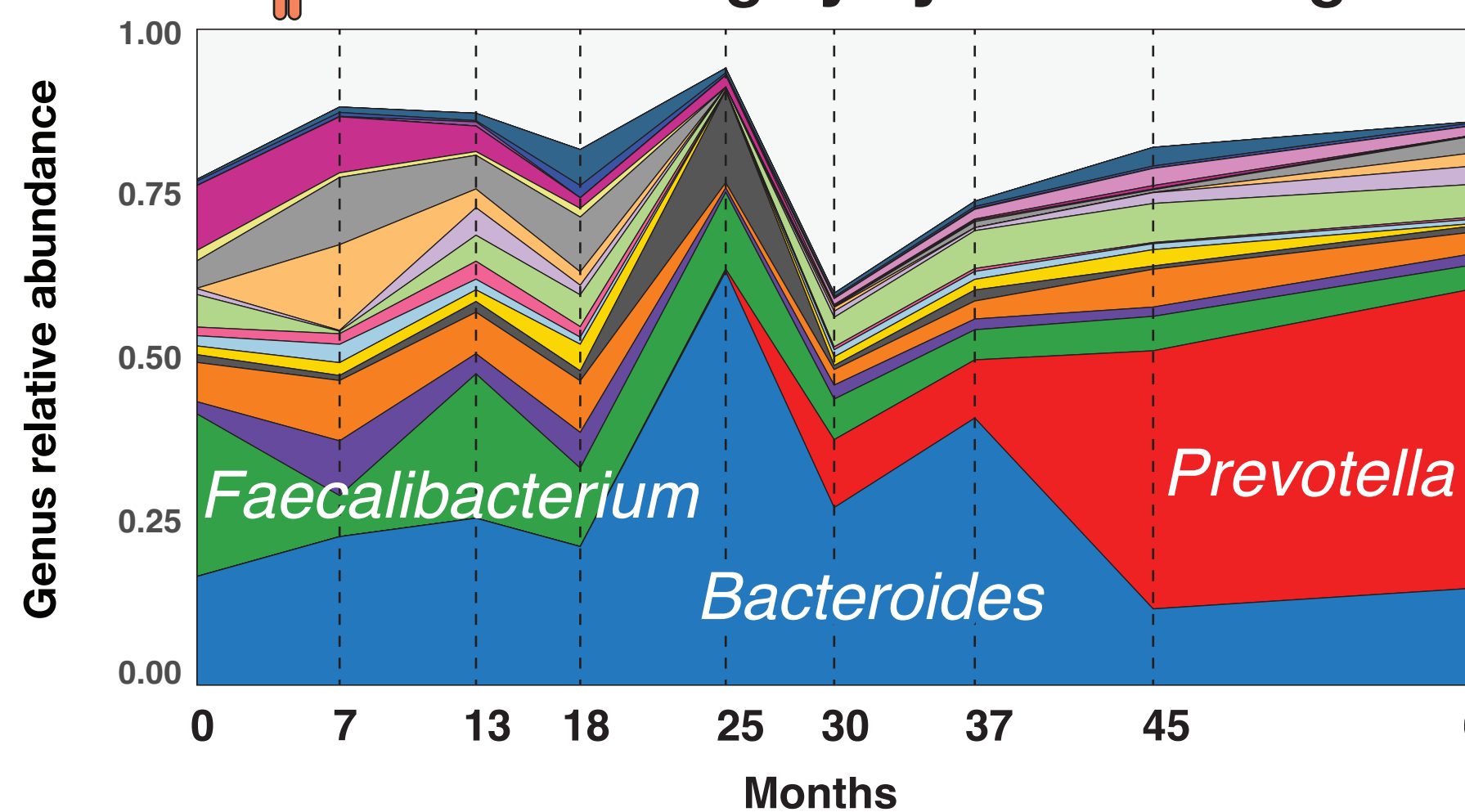


CE-TOFMS metabolome

Longitudinal changes in gut microbiome



Case with highly dynamic changes



Case with moderate changes

