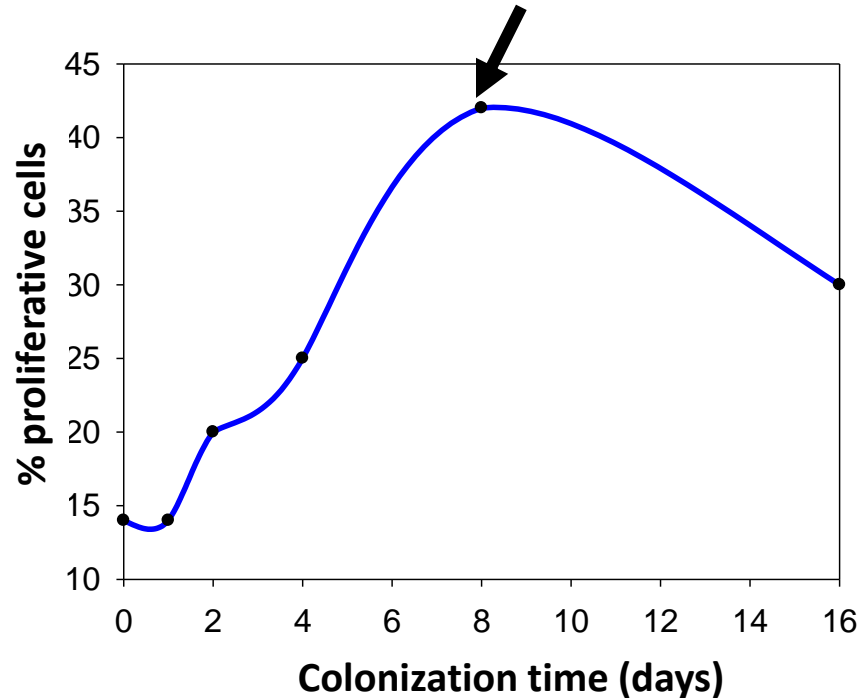


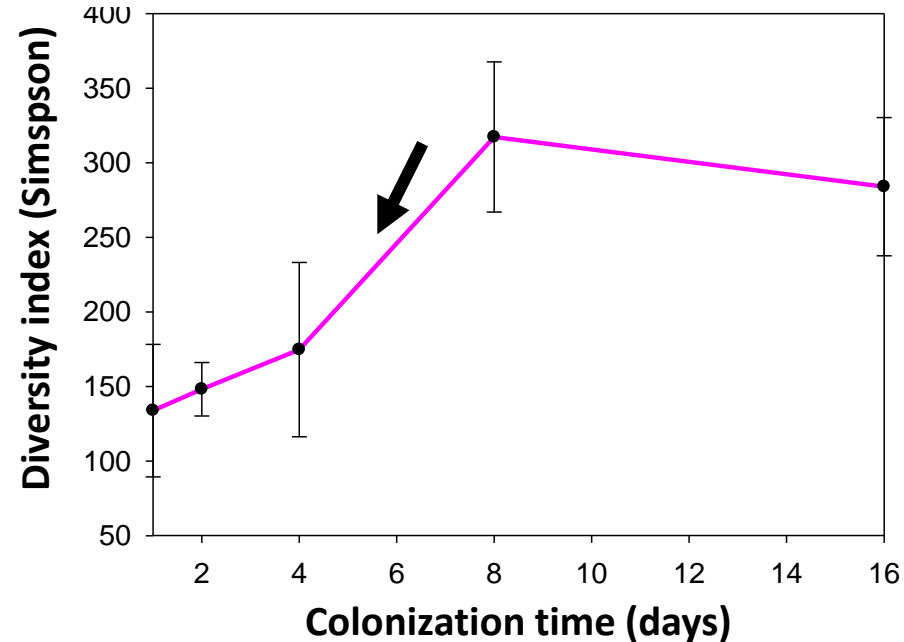
Effect of colonic microbiota on cell proliferation

Conventionalization of germ-free mice (16 days)

Dynamics of the cell proliferation

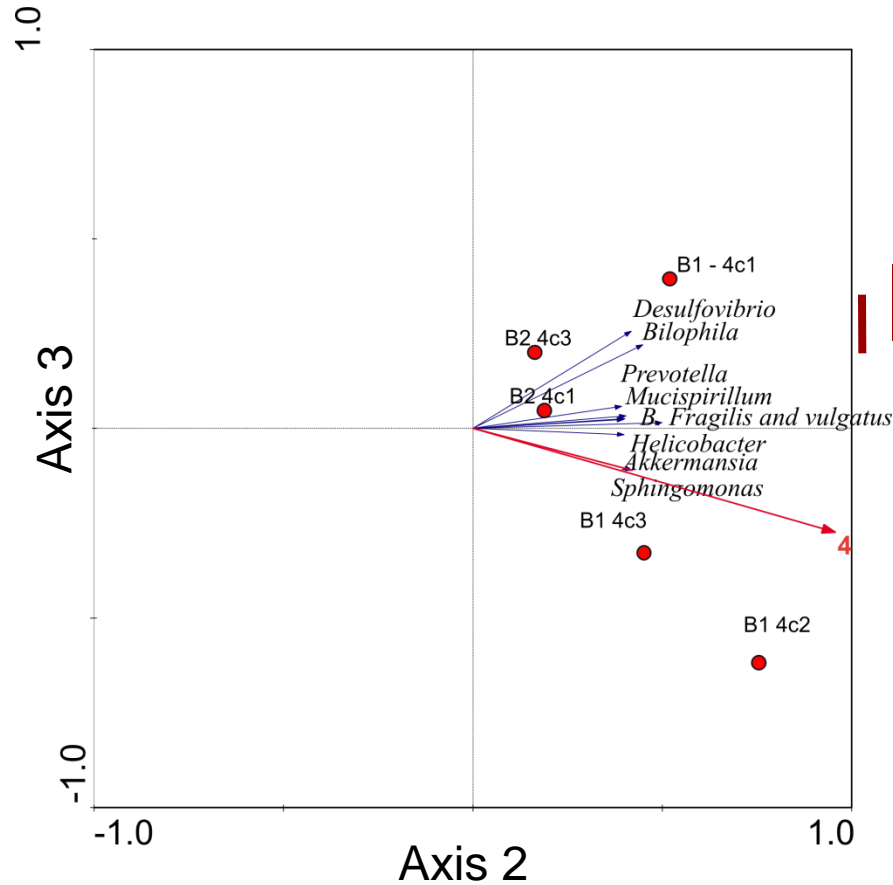


Microbiota development (MITChip)



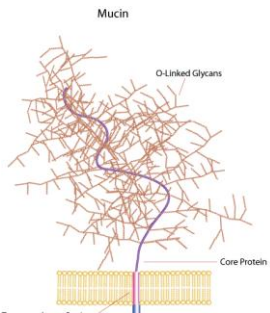
- Enhanced cell proliferation matches with increased bacterial diversity
- Which bacteria induce cell proliferation (between day 4 and 8)?

Multivariate analysis for day 4



Sulphate reducers

Mucin degraders



Sulphatase



SO₄

Reductase



HS⁻



Cell proliferation

Mucin degraders

SRB