a. Forecasts of key classes - UChicago cohort (forecast made at 28 weeks PMA)

Gammaproteobacteria
R^2 (28 wks): 0.640; R^2 (31 wks): 0.643

Negativicutes
R^2 (28 wks): 0.961; R^2 (31 wks): 0.972

Clostridia
R^2 (28 wks): 0.881; R^2 (31 wks): 0.958

Bacilli
R^2 (28 wks): 0.881; R^2 (31 wks): 0.915

Bacteroidia
R^2 (28 wks): 0.820; R^2 (31 wks): 0.933

Actinobacteria
R^2 (28 wks): 0.951; R^2 (31 wks): 0.956

observed — forecast
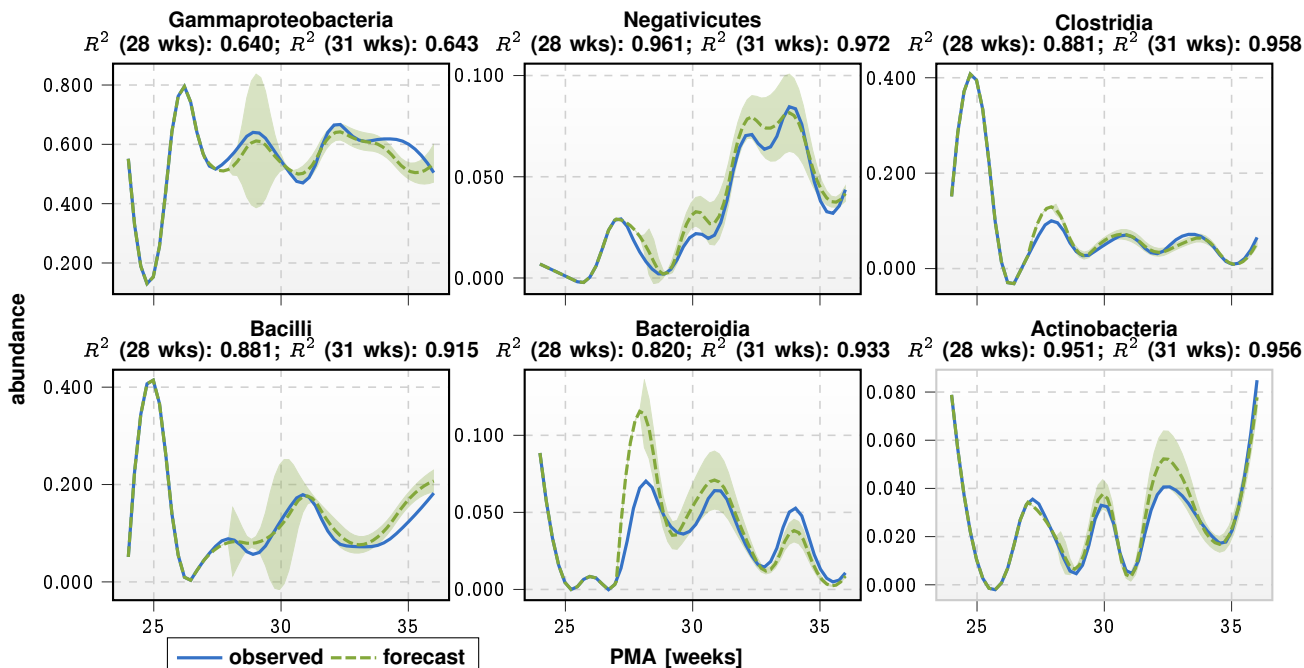
b. Forecasts of key classes - Boston cohort (forecast made at 28 weeks PMA)

Gammaproteobacteria
R^2 (28 wks): 0.758; R^2 (31 wks): 0.785

Negativicutes
R^2 (28 wks): 0.641; R^2 (31 wks): 0.615

Clostridia
R^2 (28 wks): 0.088; R^2 (31 wks): 0.724

Bacilli
R^2 (28 wks): 0.563; R^2 (31 wks): 0.745

Bacteroidia
R^2 (28 wks): 0.002; R^2 (31 wks): 0.554

Actinobacteria
R^2 (28 wks): 0.050; R^2 (31 wks): 0.709

PMA [weeks]

abundance