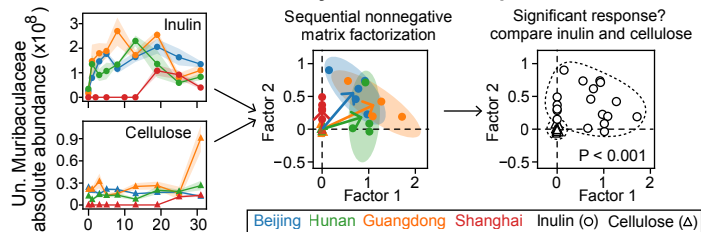
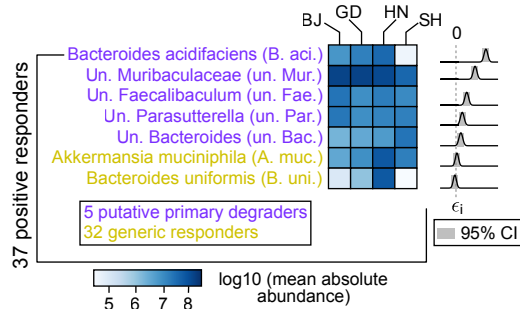
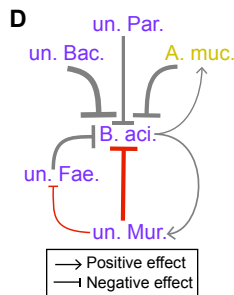
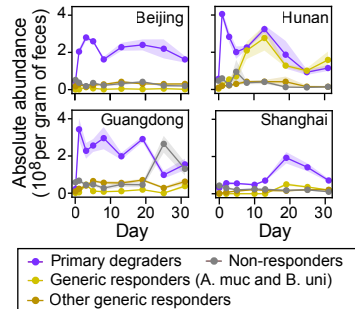
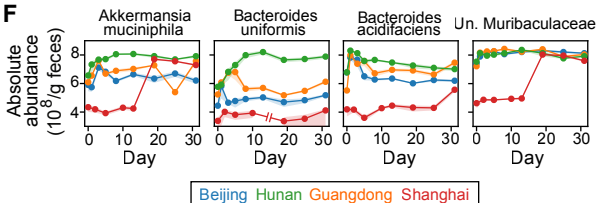


**A****Quantitative assay to infer fiber responders****B****Quantitative assay to infer primary fiber degraders**

$$\frac{d \log(x_i(t))}{dt} = \alpha_i + \sum_j \beta_{ij} x_j(t) + \epsilon_i u_i(t)$$

basal growth  $\leftarrow$  interaction  $\leftarrow$  fiber response

Primary degrader  $\leftarrow$  Positive 95% credible interval (CI) of  $\epsilon_i$

**C****D****E****F****G**