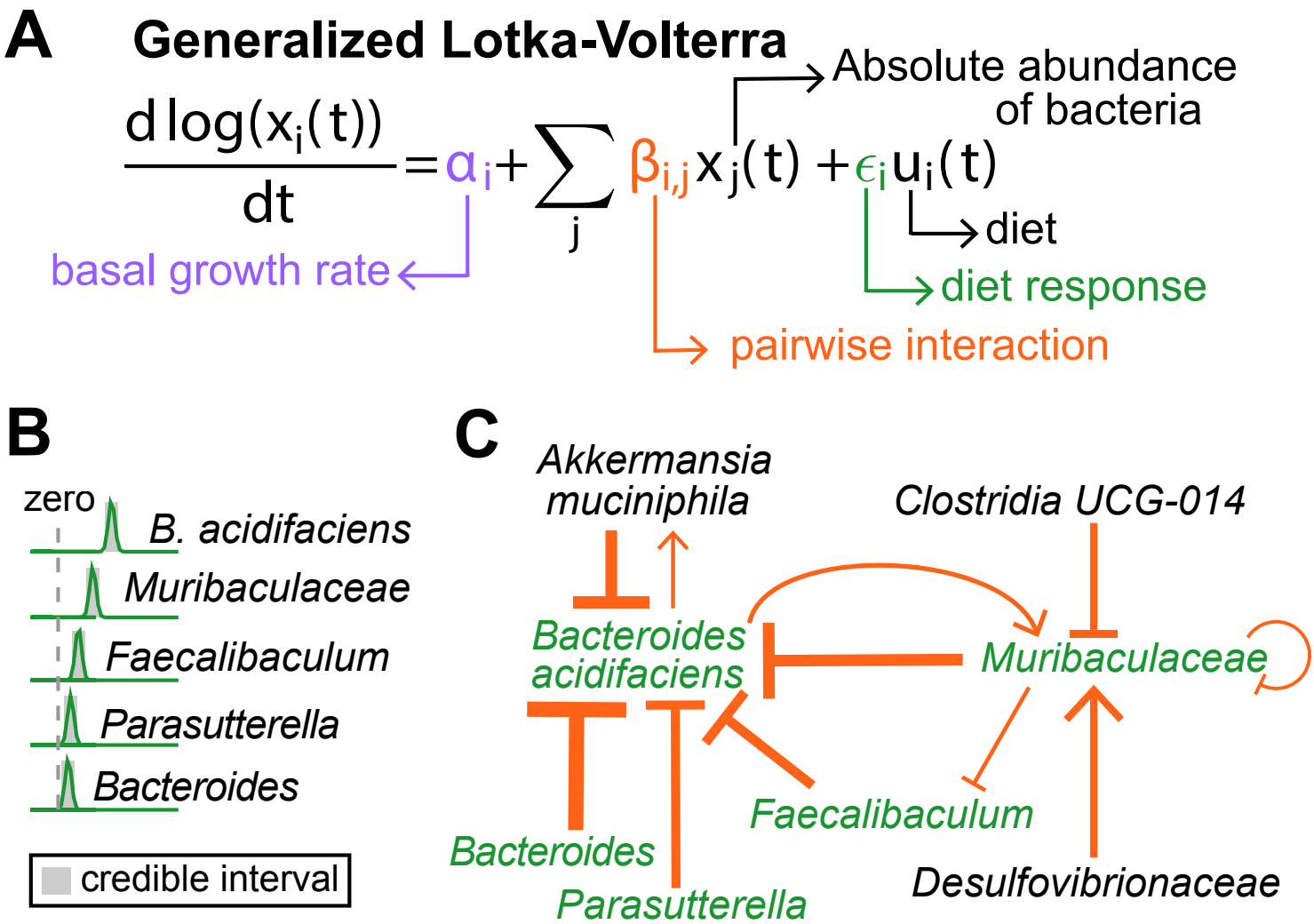
A
Generalized Lotka-Volterra
$\frac{d\log(x_i(t))}{dt} = \alpha_i + \sum_j \beta_{i,j} x_j(t) + \epsilon_i u_i(t)$
Absolute abundance of bacteria
basal growth rate
pairwise interaction
diet response
diet
B
zero
B. acidifaciens
Muribaculaceae
Faecalibaculum
Parasutterella
Bacteroides
credible interval
C
Akkermansia muciniphila
Clostridia UCG-014
Bacteroides acidifaciens
Muribaculaceae
Faecalibaculum
Bacteroides
Parasutterella
Desulfovibrionaceae