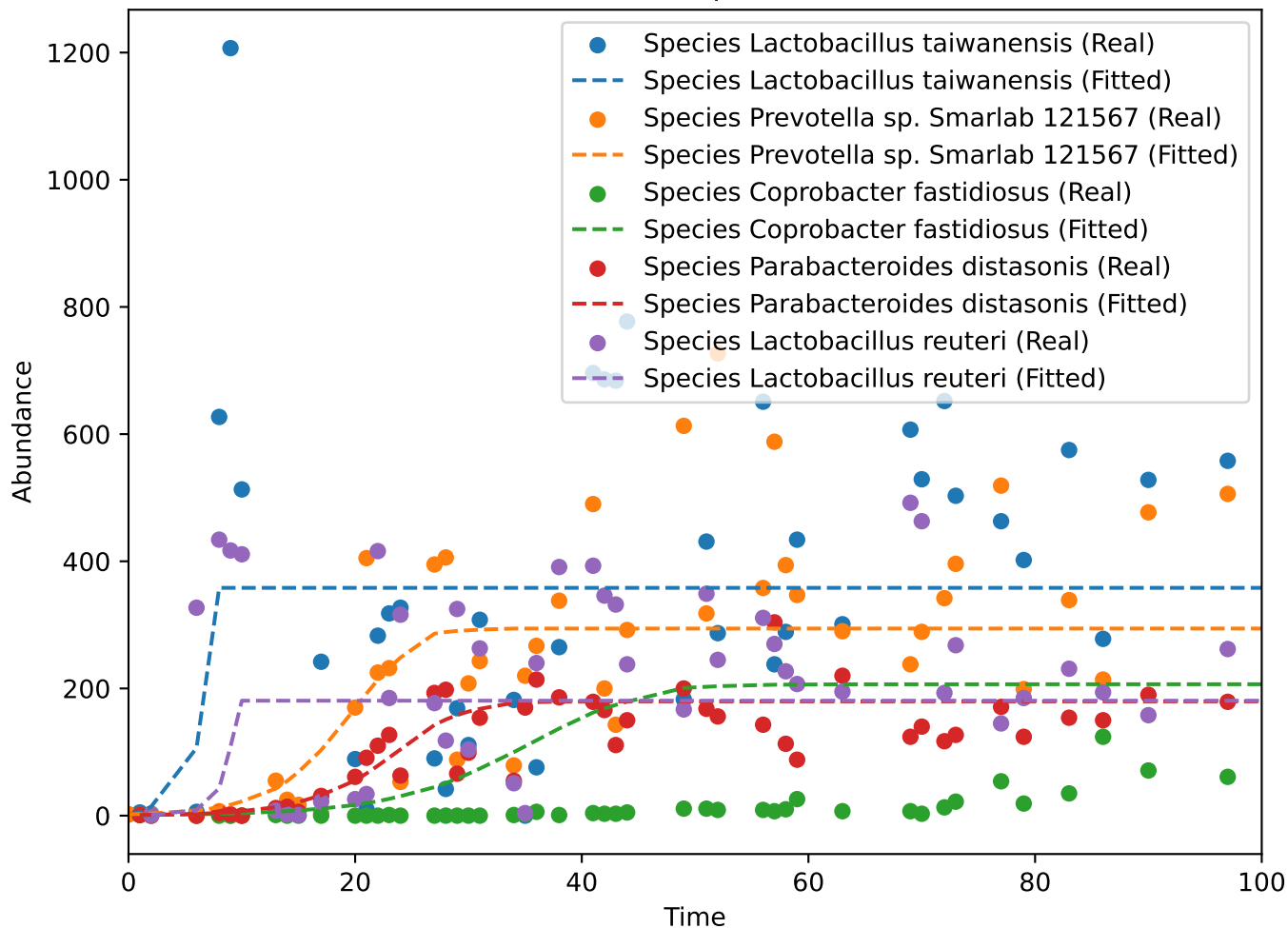
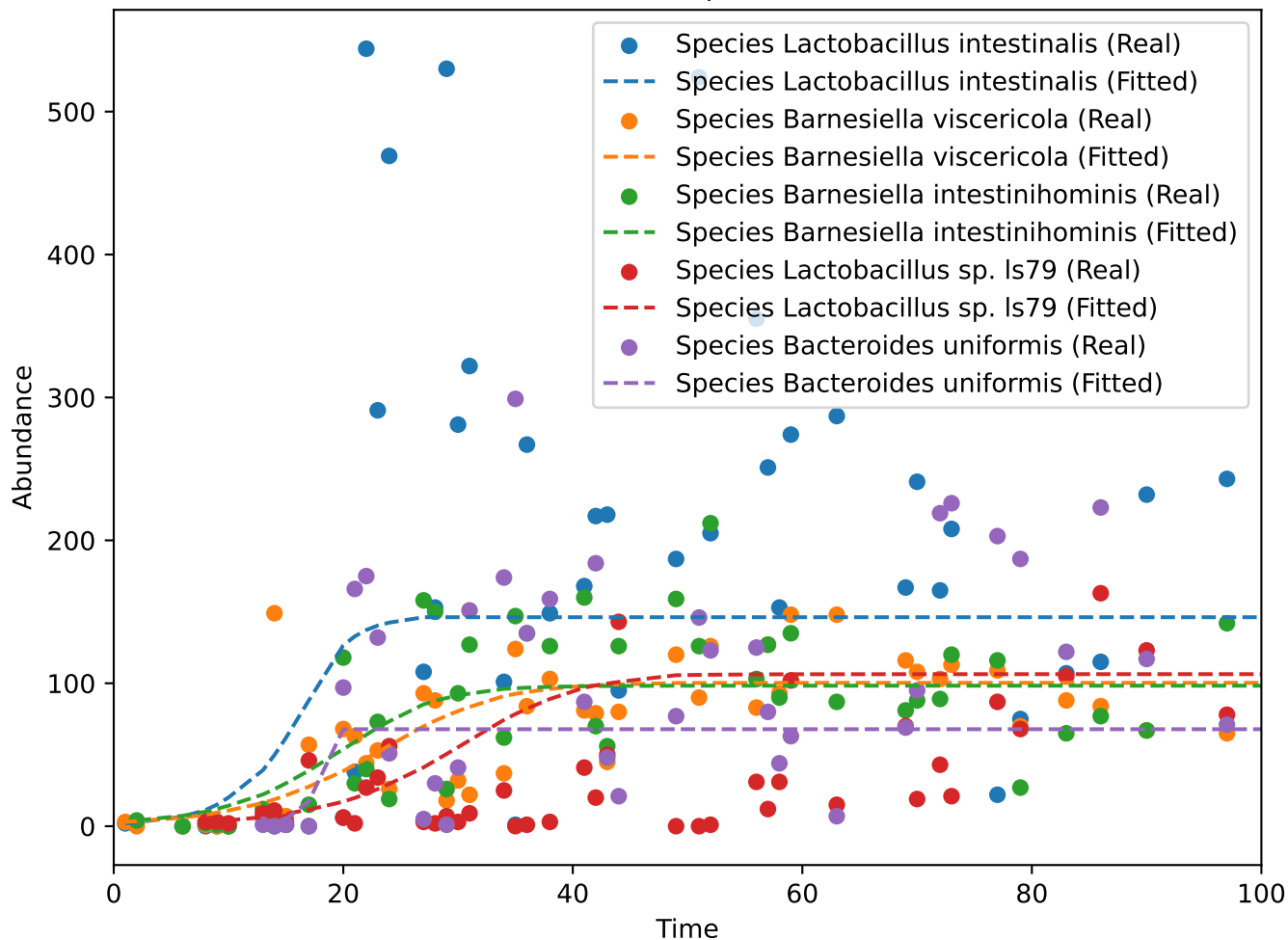


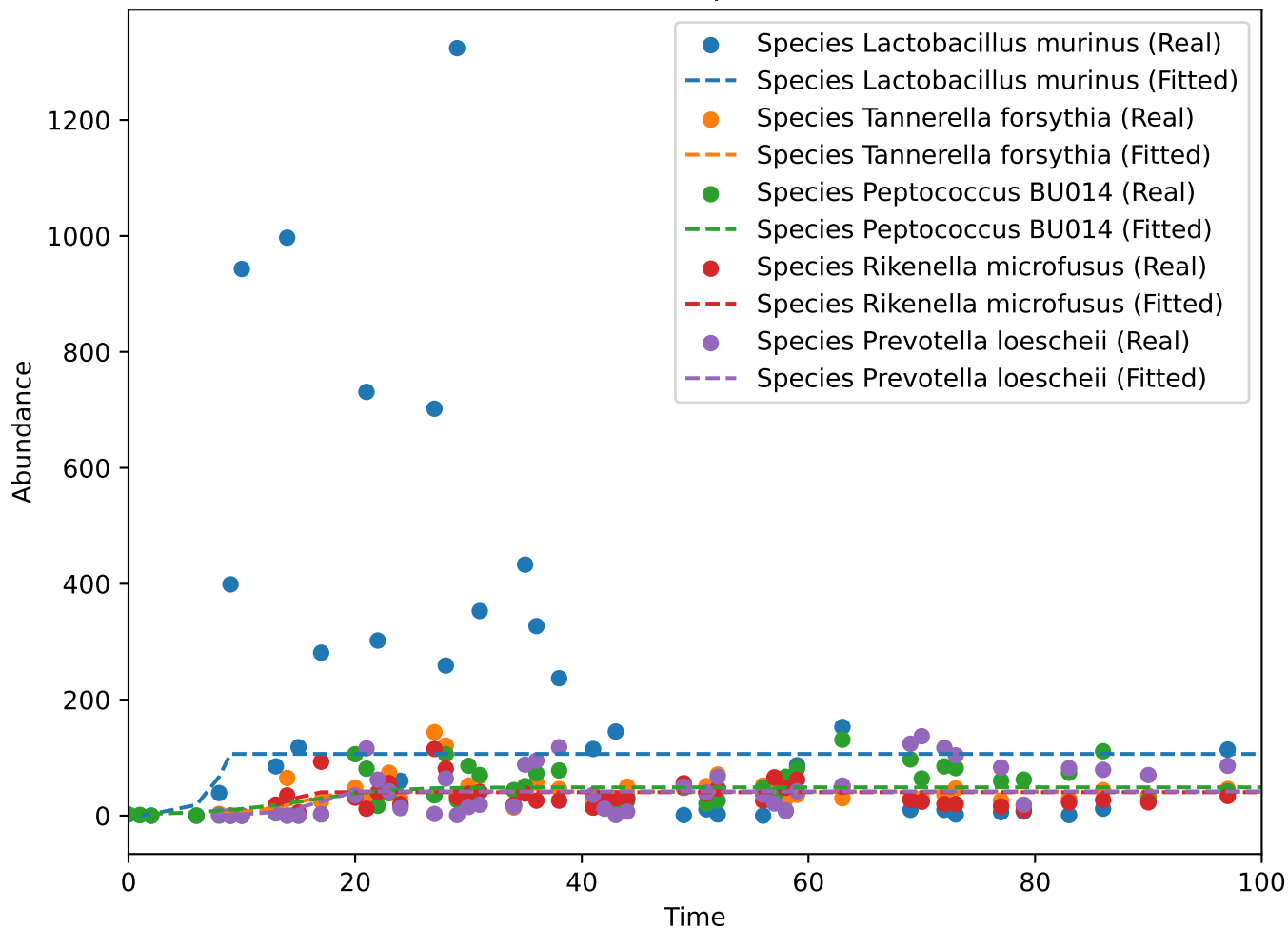
Mouse 8 - Species Fit



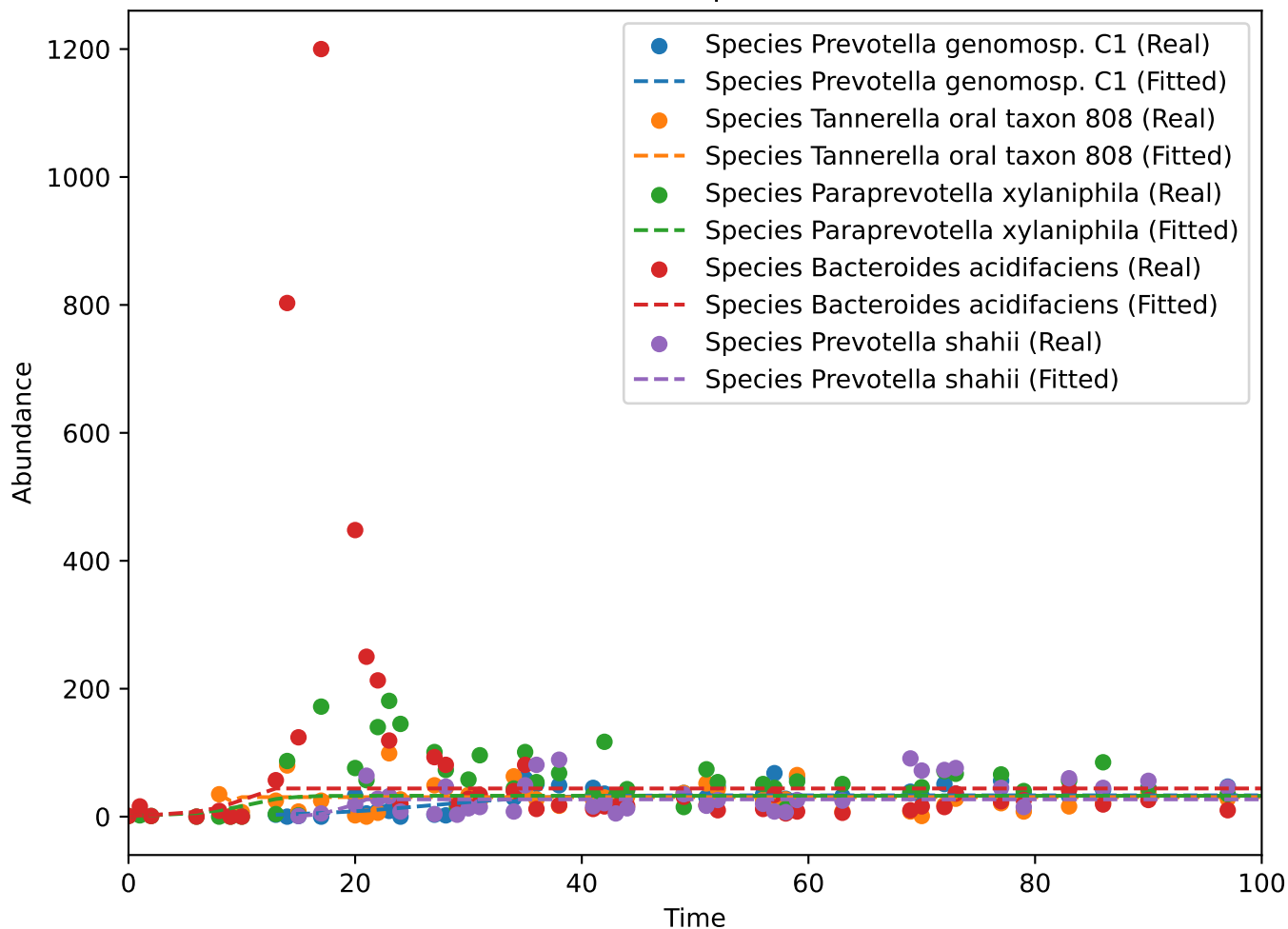
Mouse 8 - Species Fit



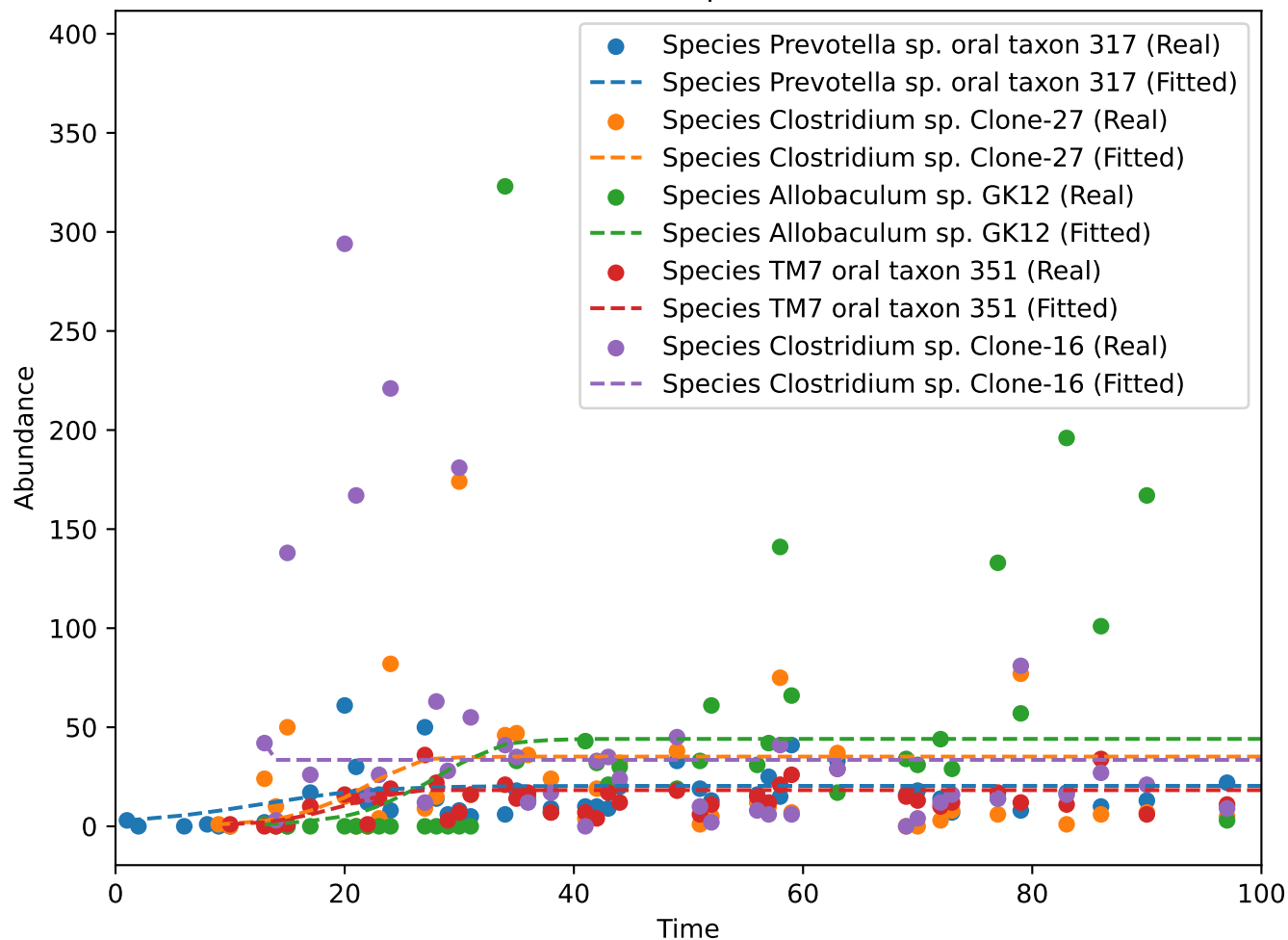
Mouse 8 - Species Fit



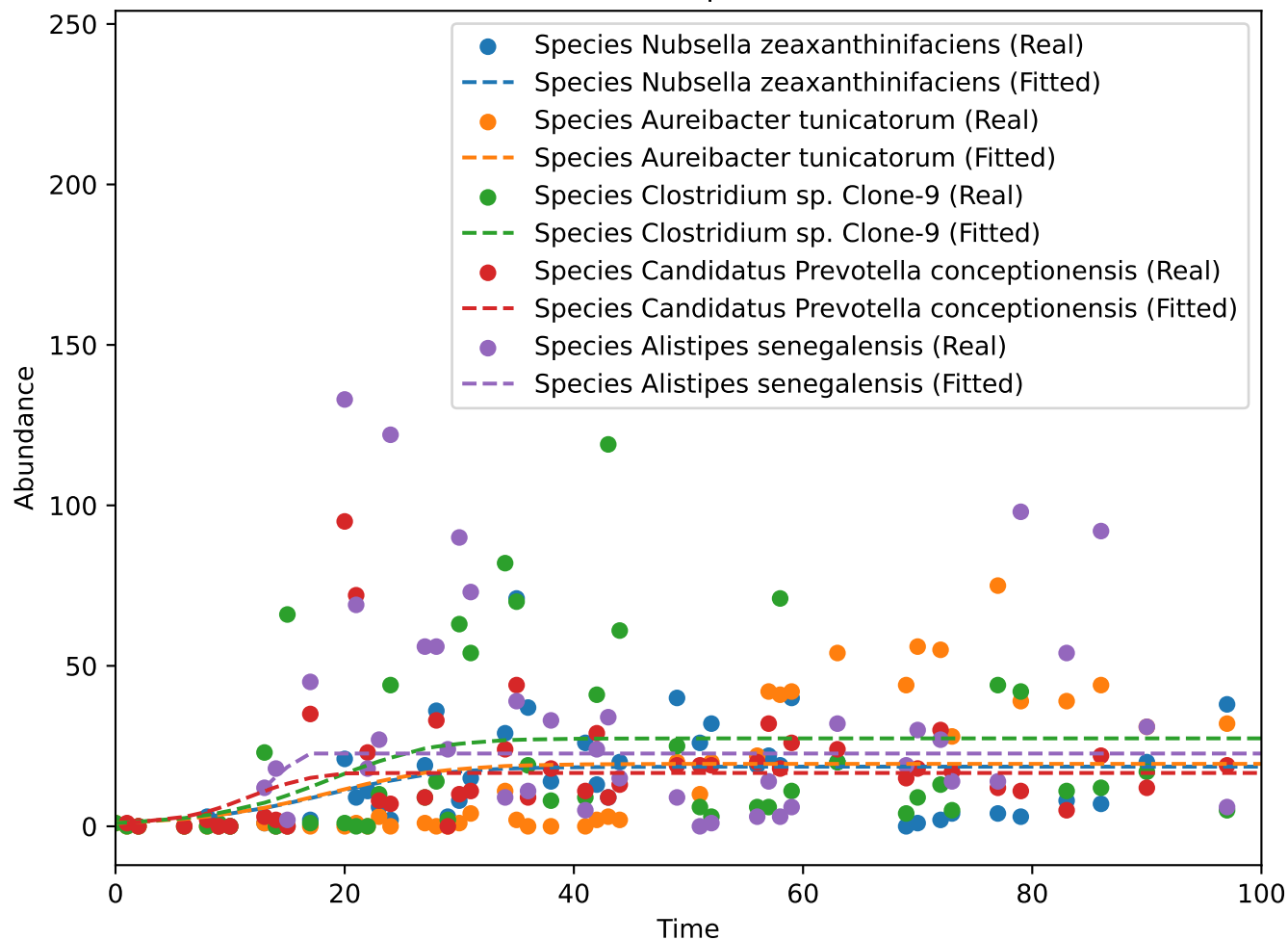
Mouse 8 - Species Fit



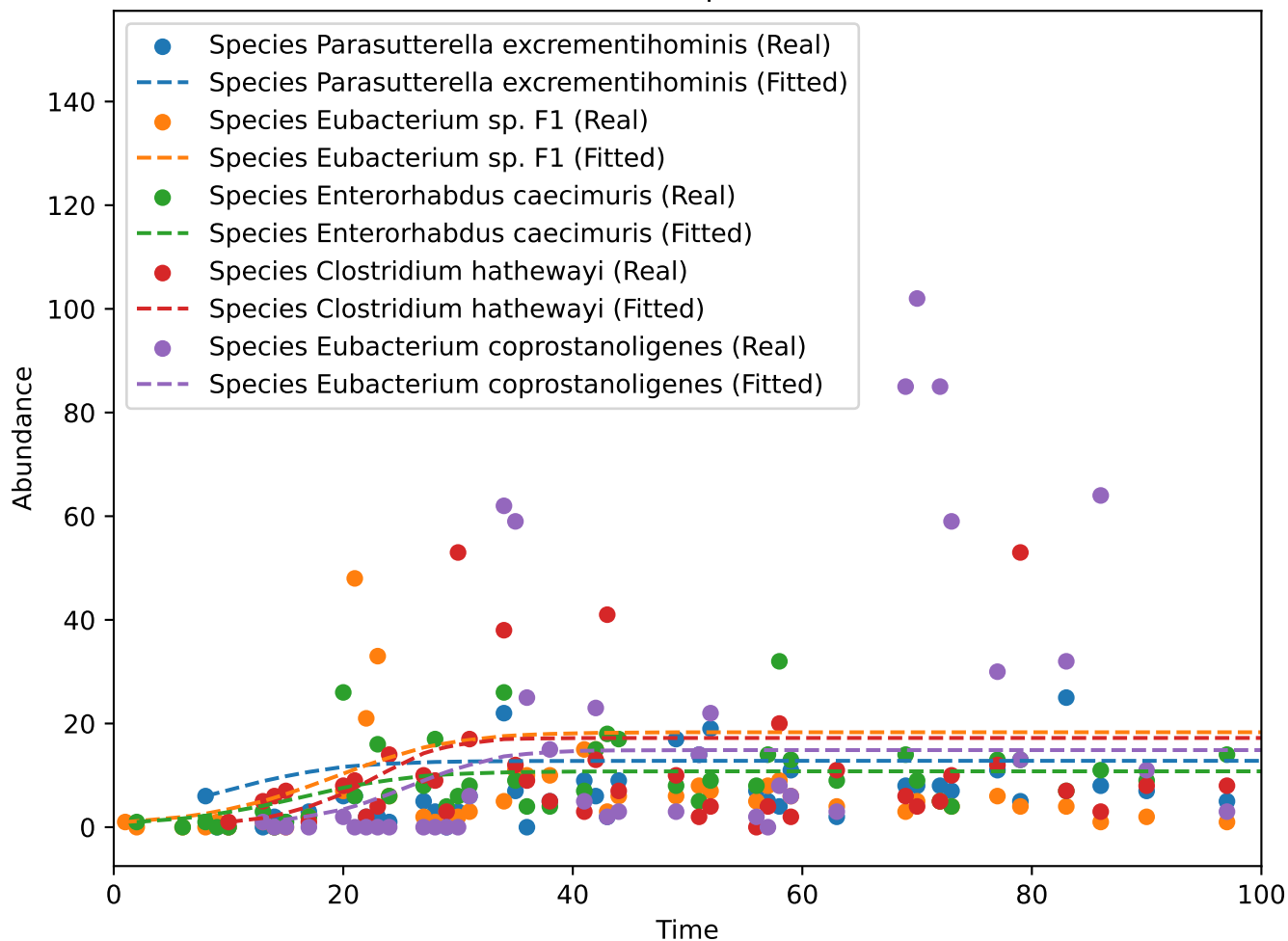
Mouse 8 - Species Fit



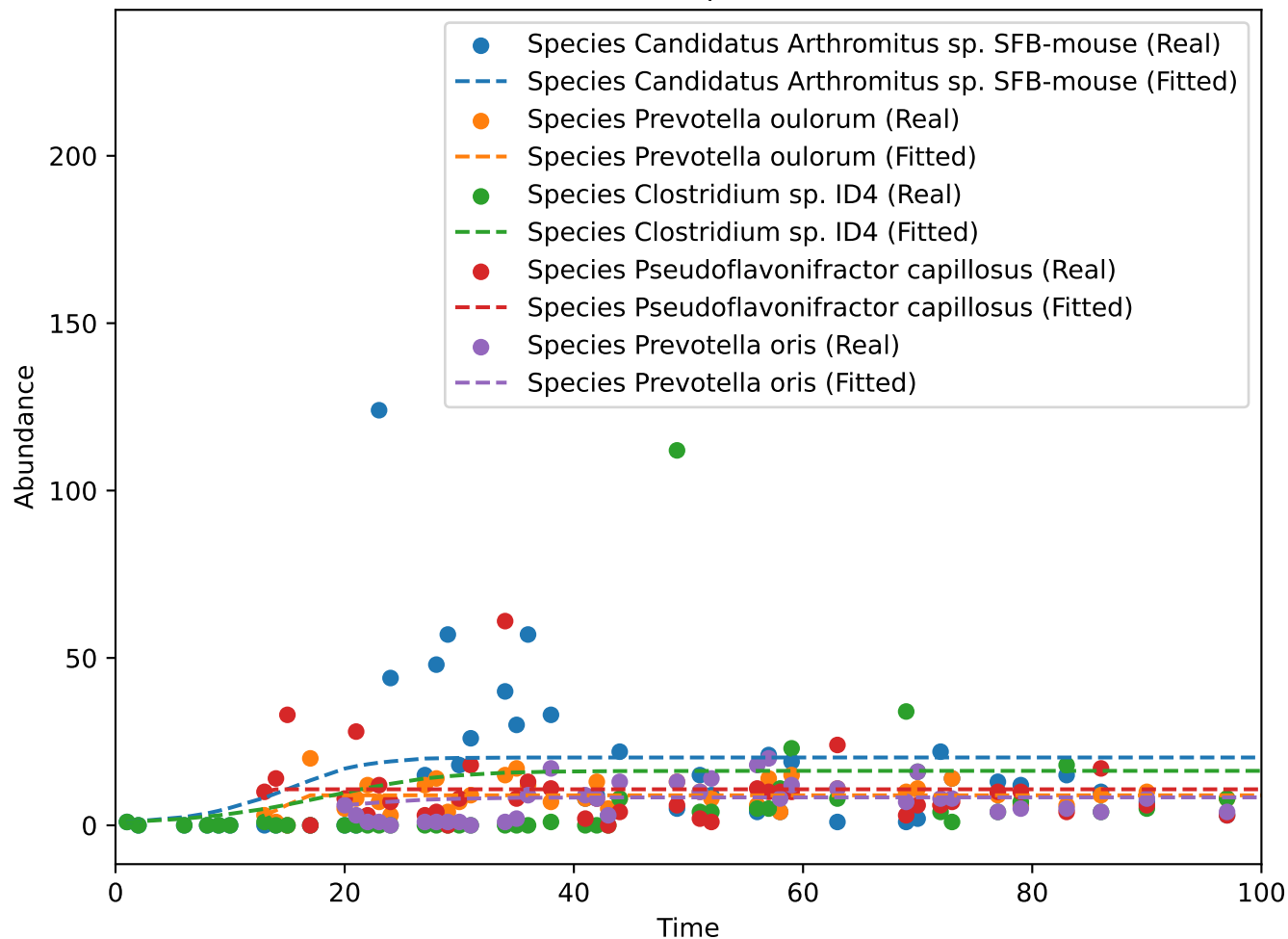
Mouse 8 - Species Fit



Mouse 8 - Species Fit

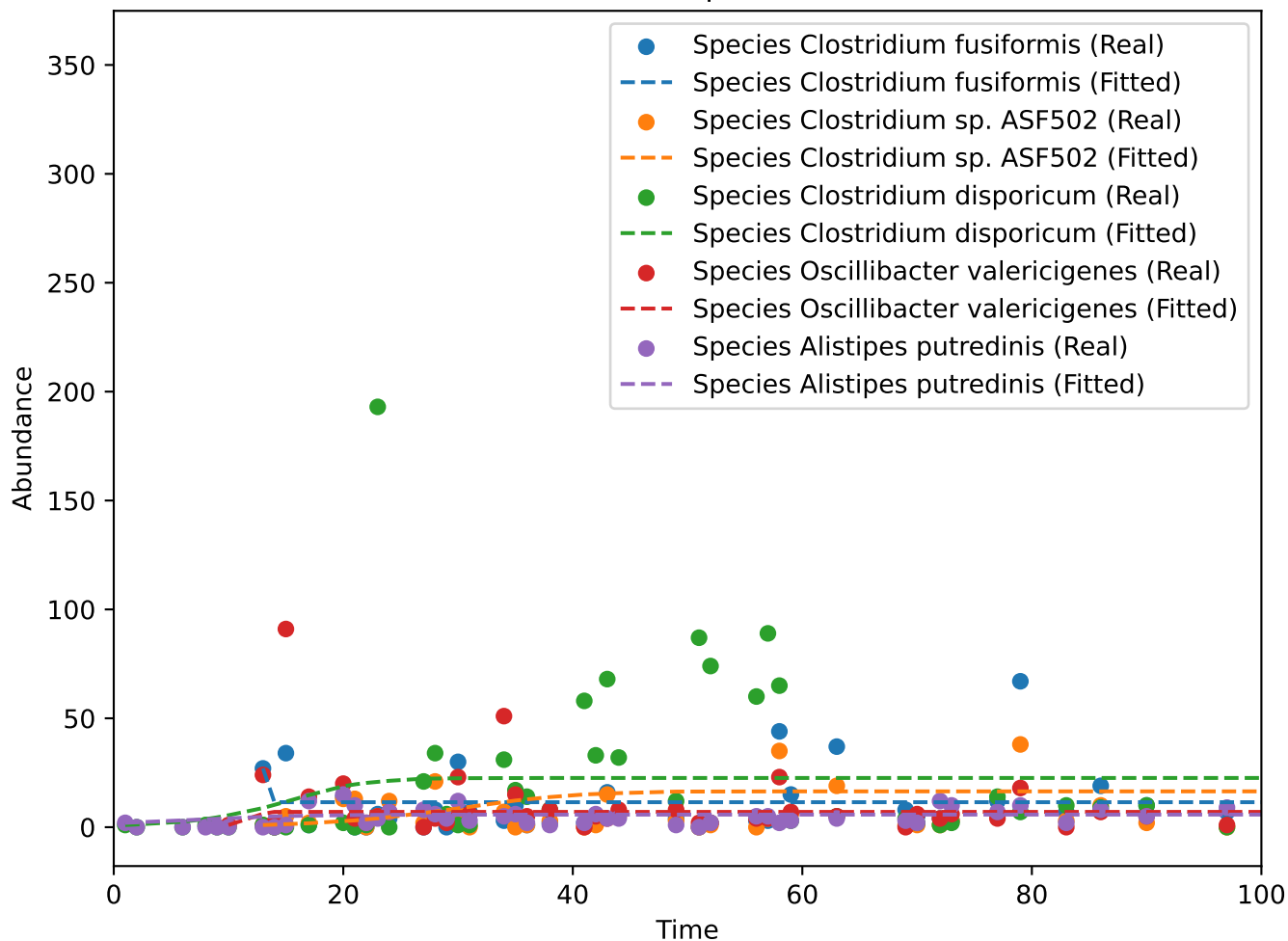


Mouse 8 - Species Fit

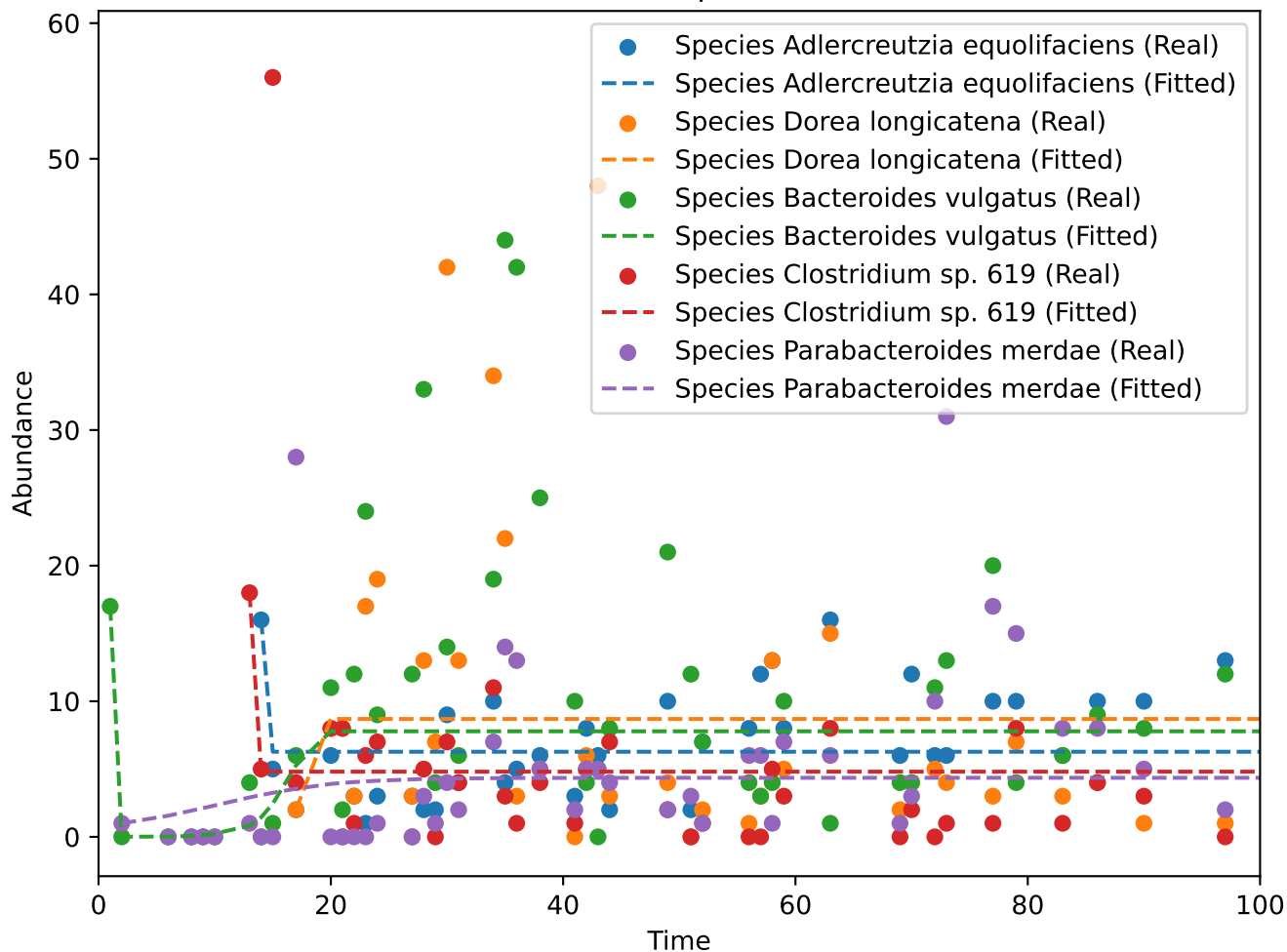




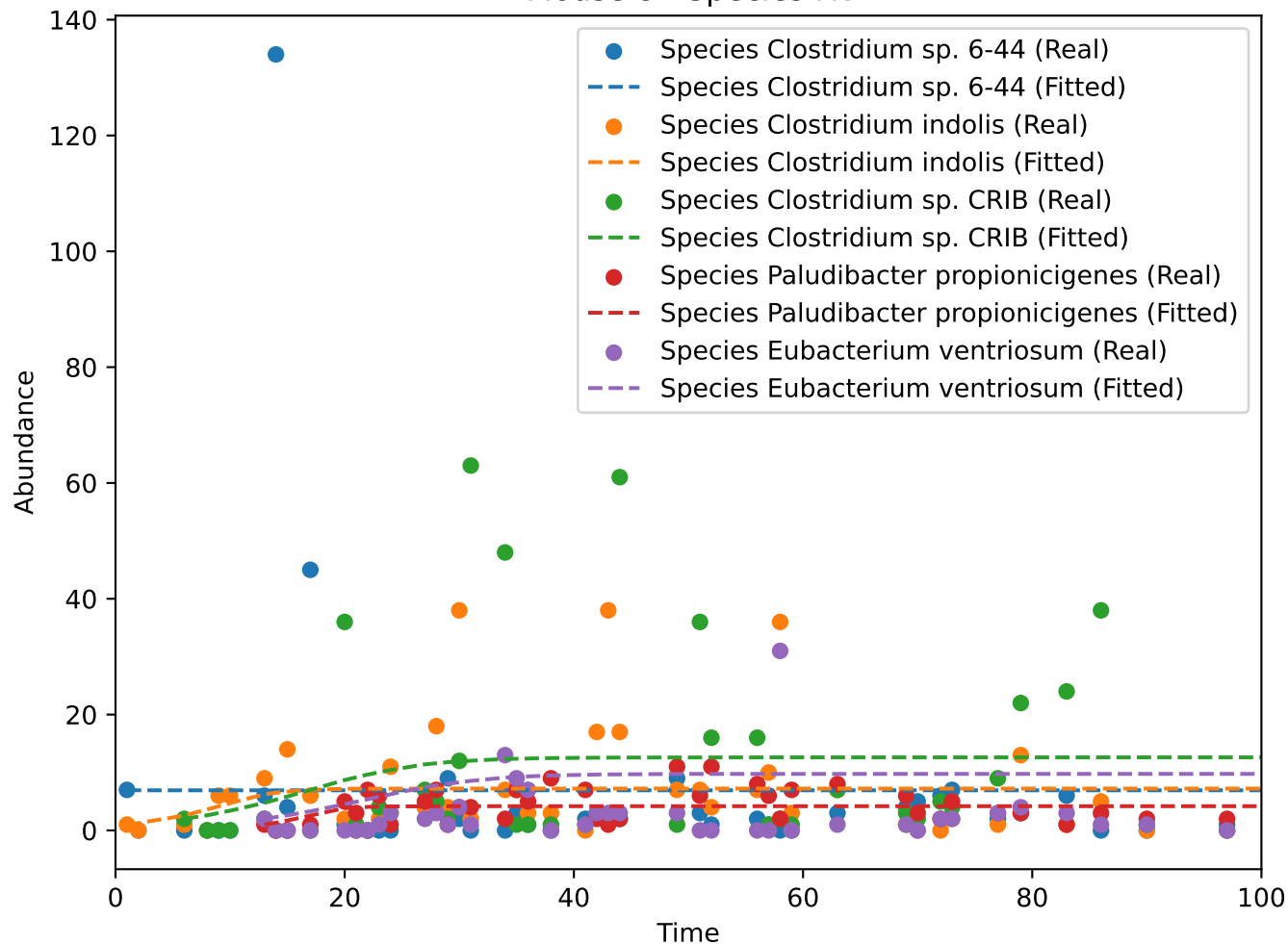
Mouse 8 - Species Fit



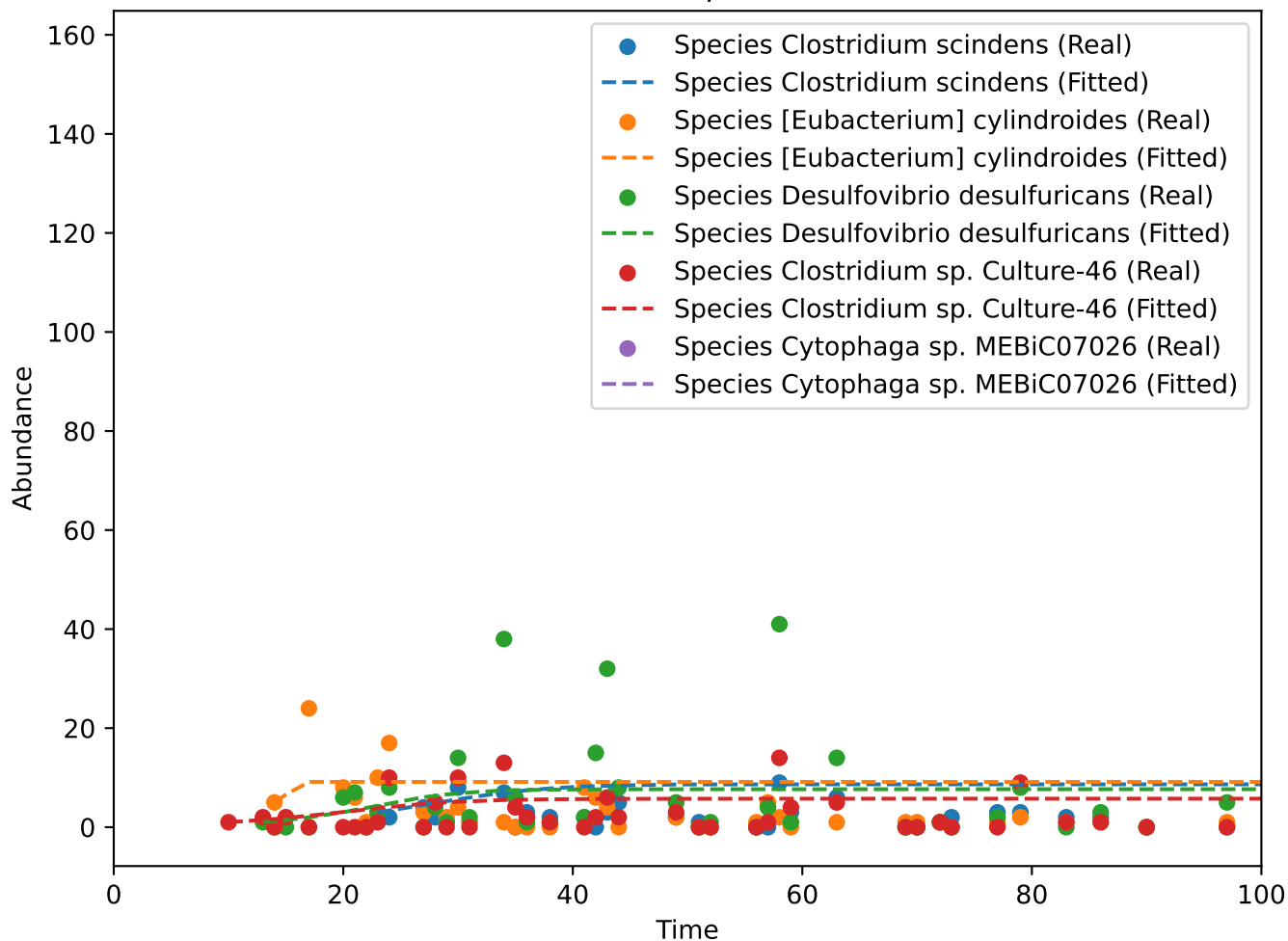
Mouse 8 - Species Fit



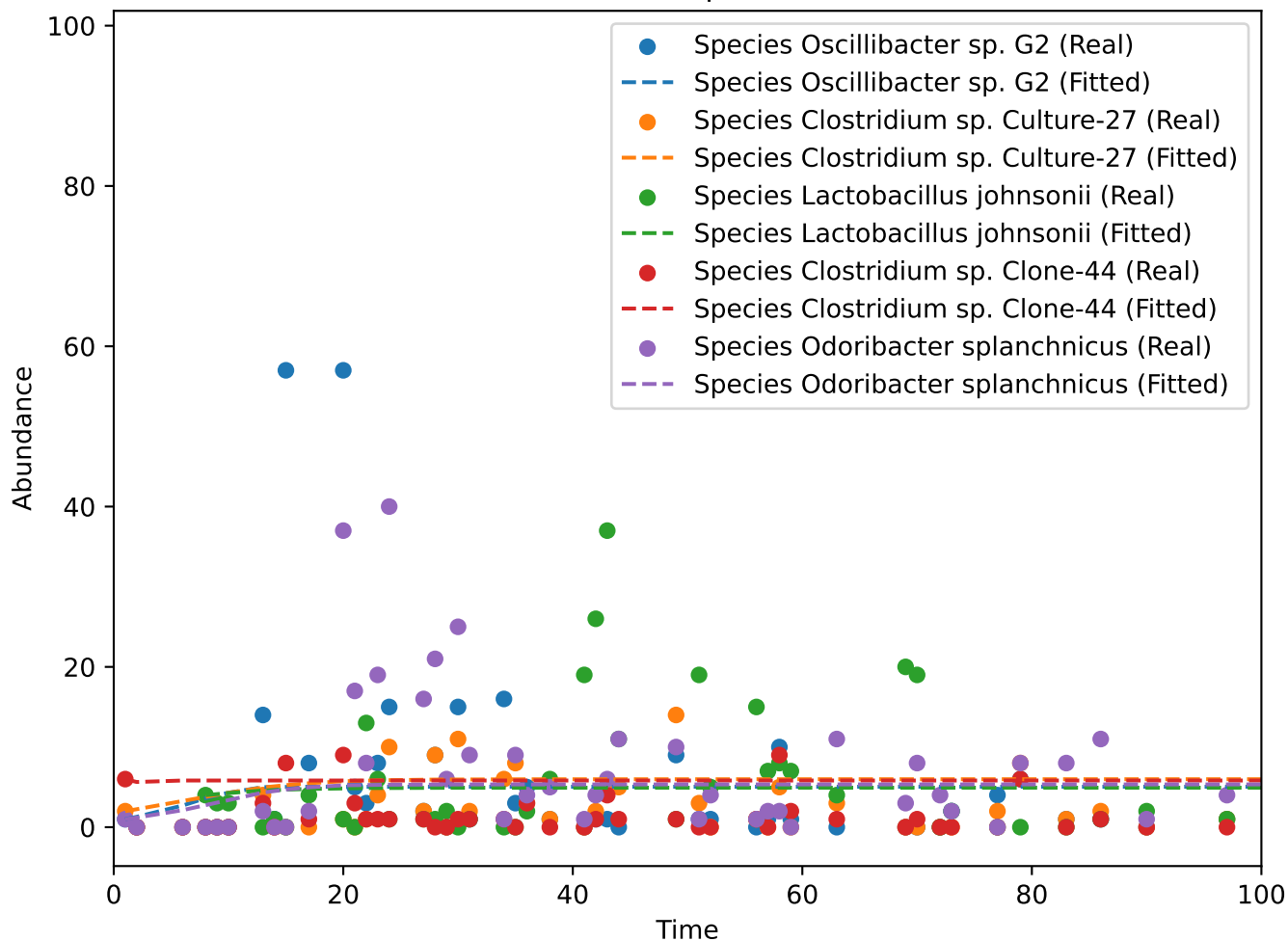
Mouse 8 - Species Fit



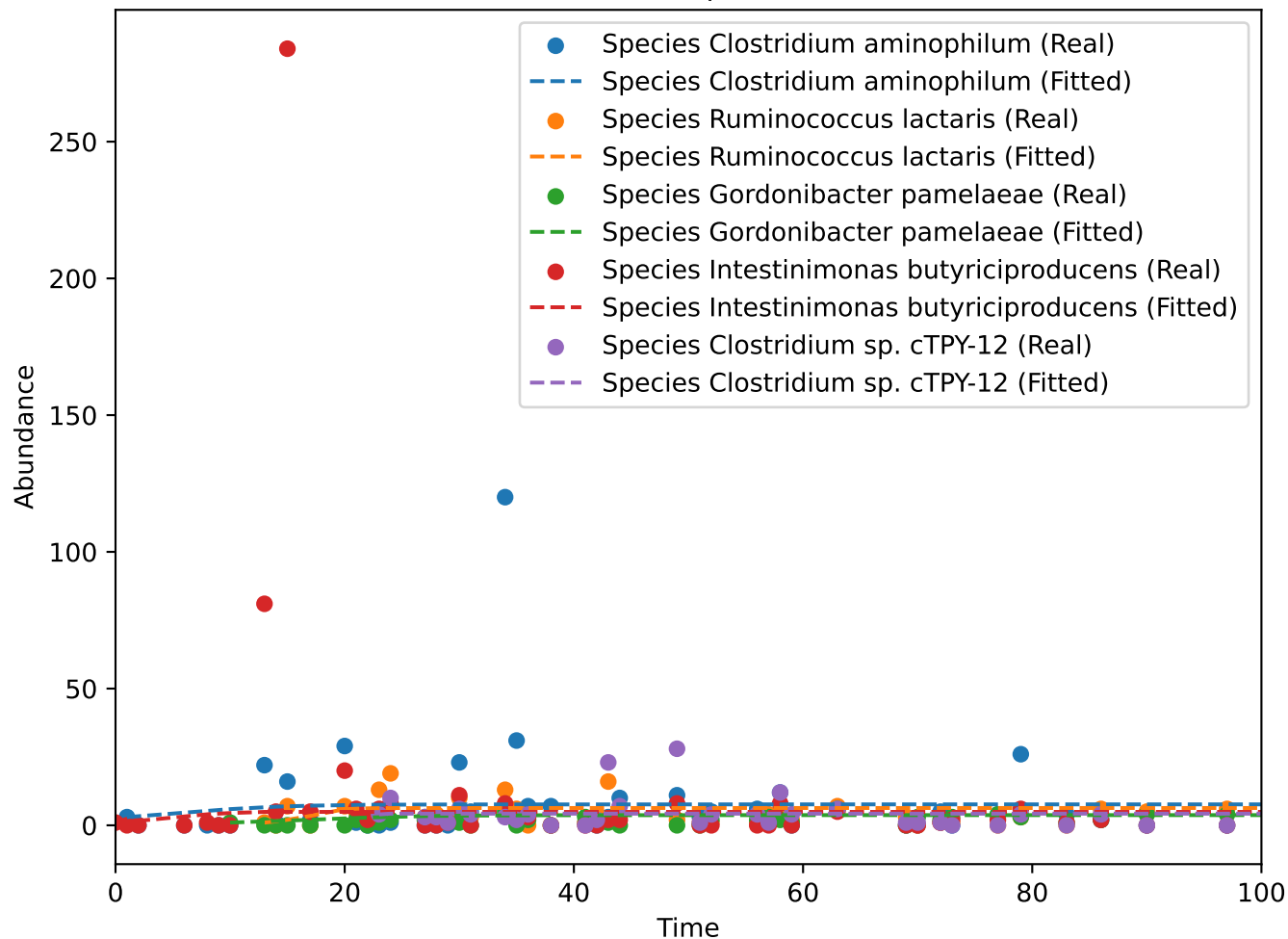
Mouse 8 - Species Fit



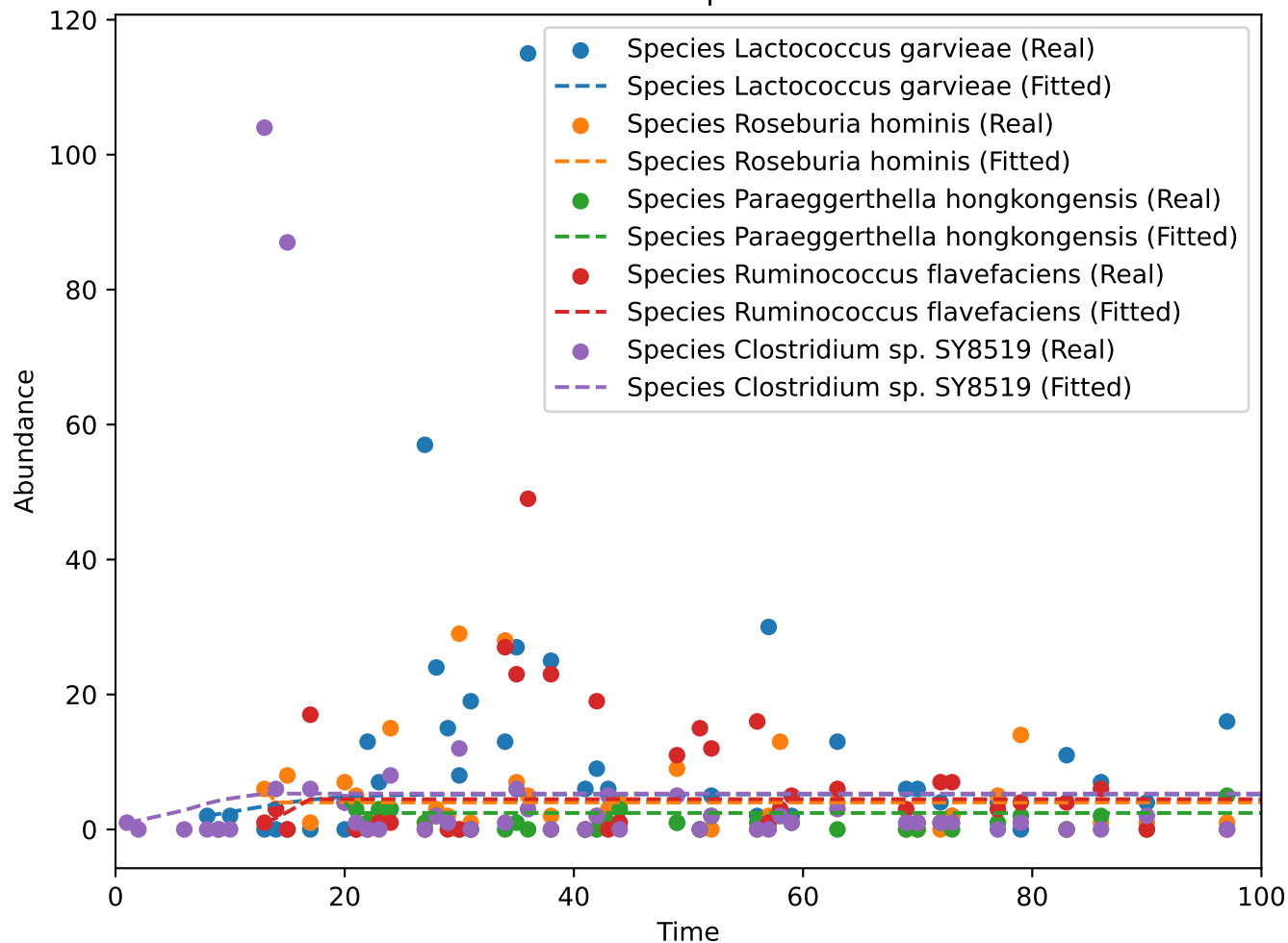
Mouse 8 - Species Fit



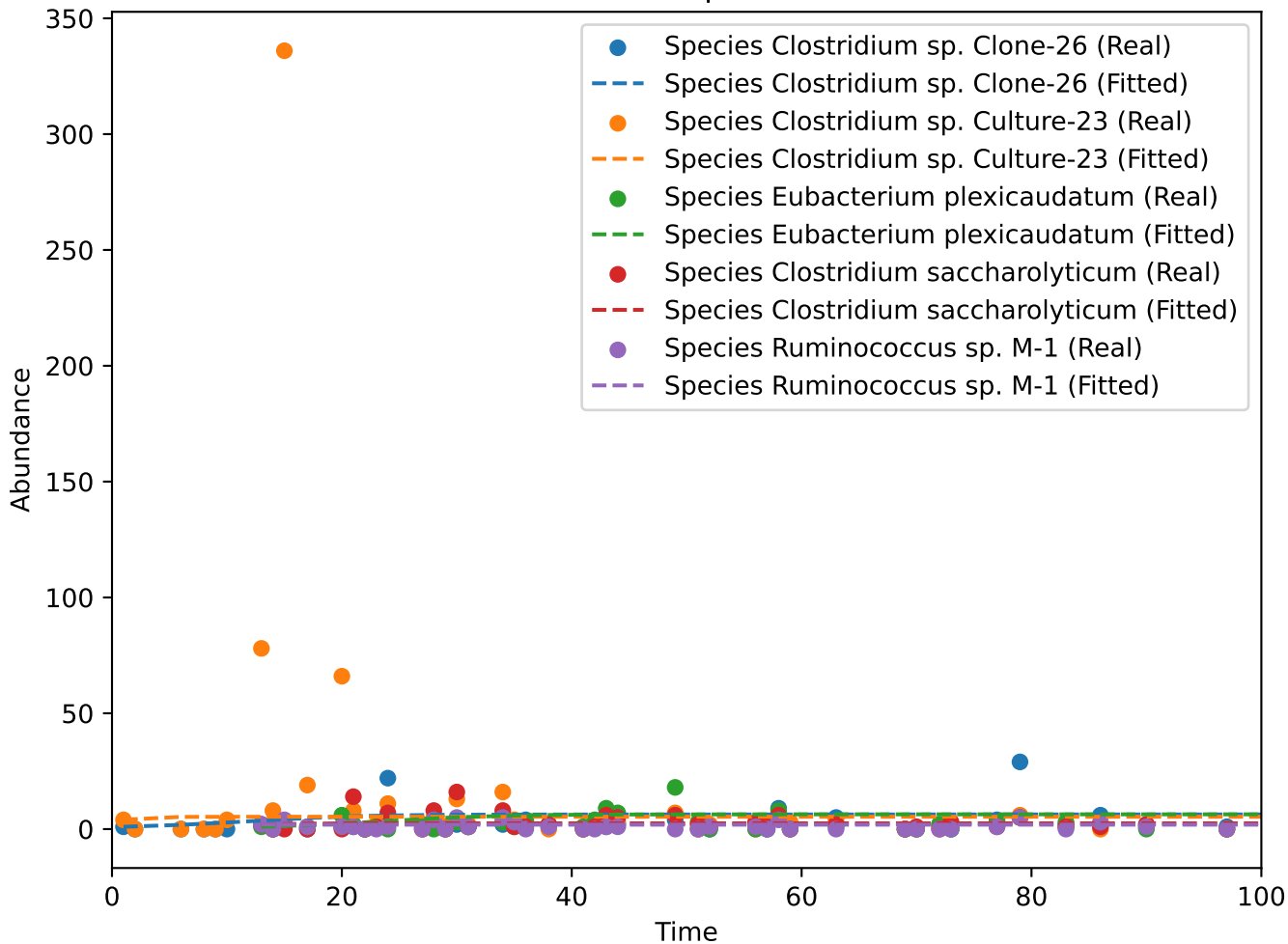
Mouse 8 - Species Fit



Mouse 8 - Species Fit

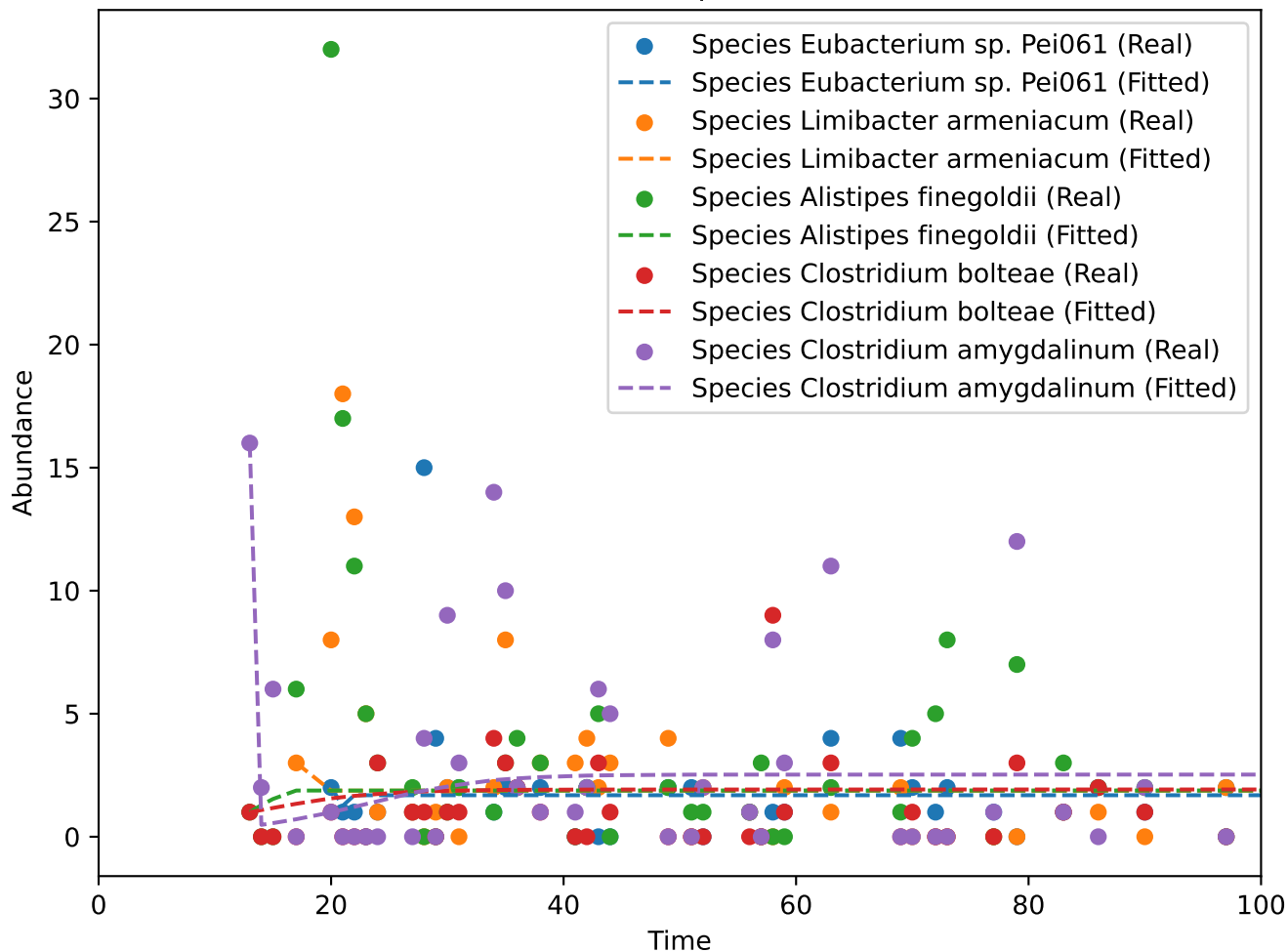


## Mouse 8 - Species Fit

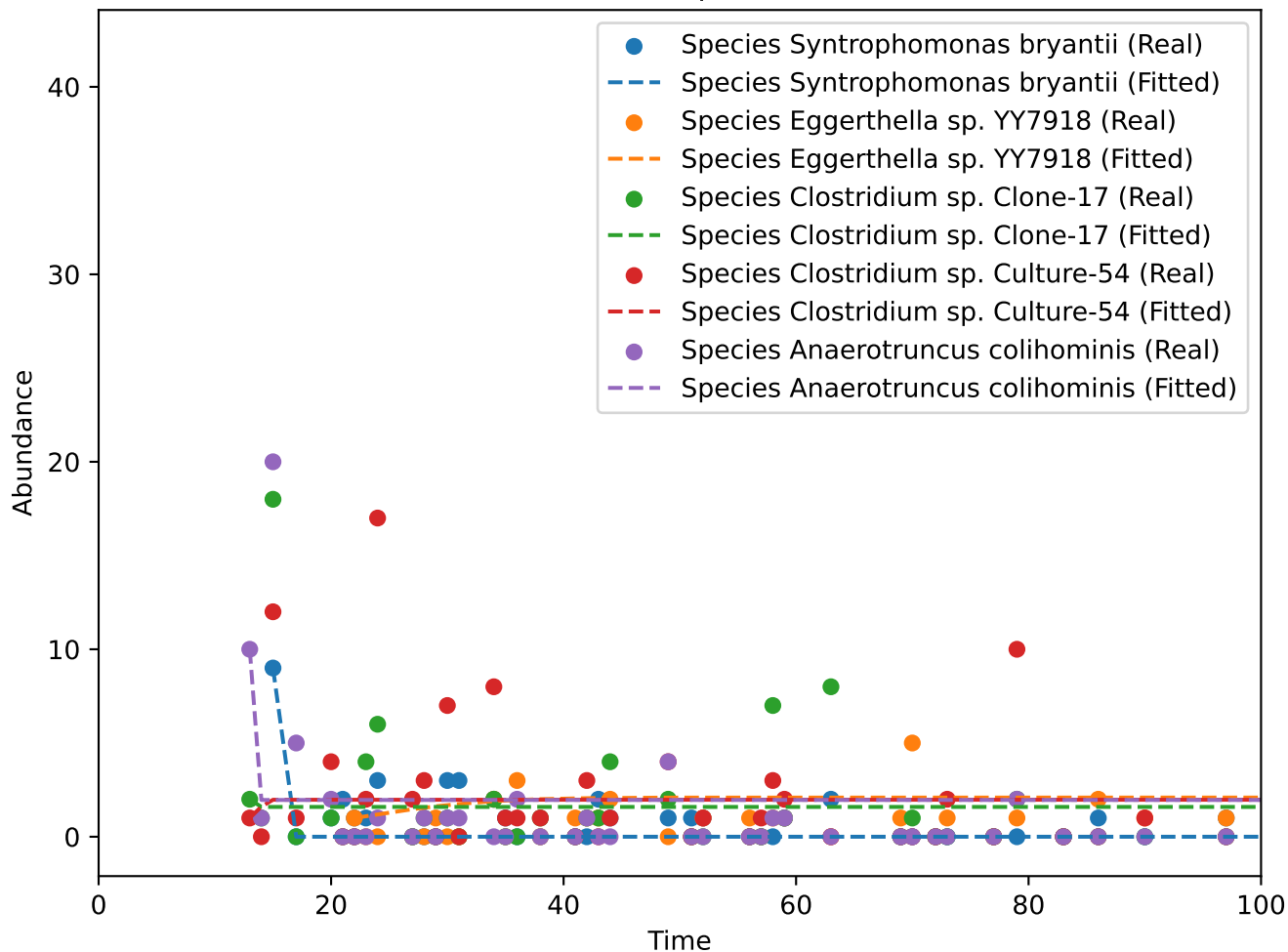




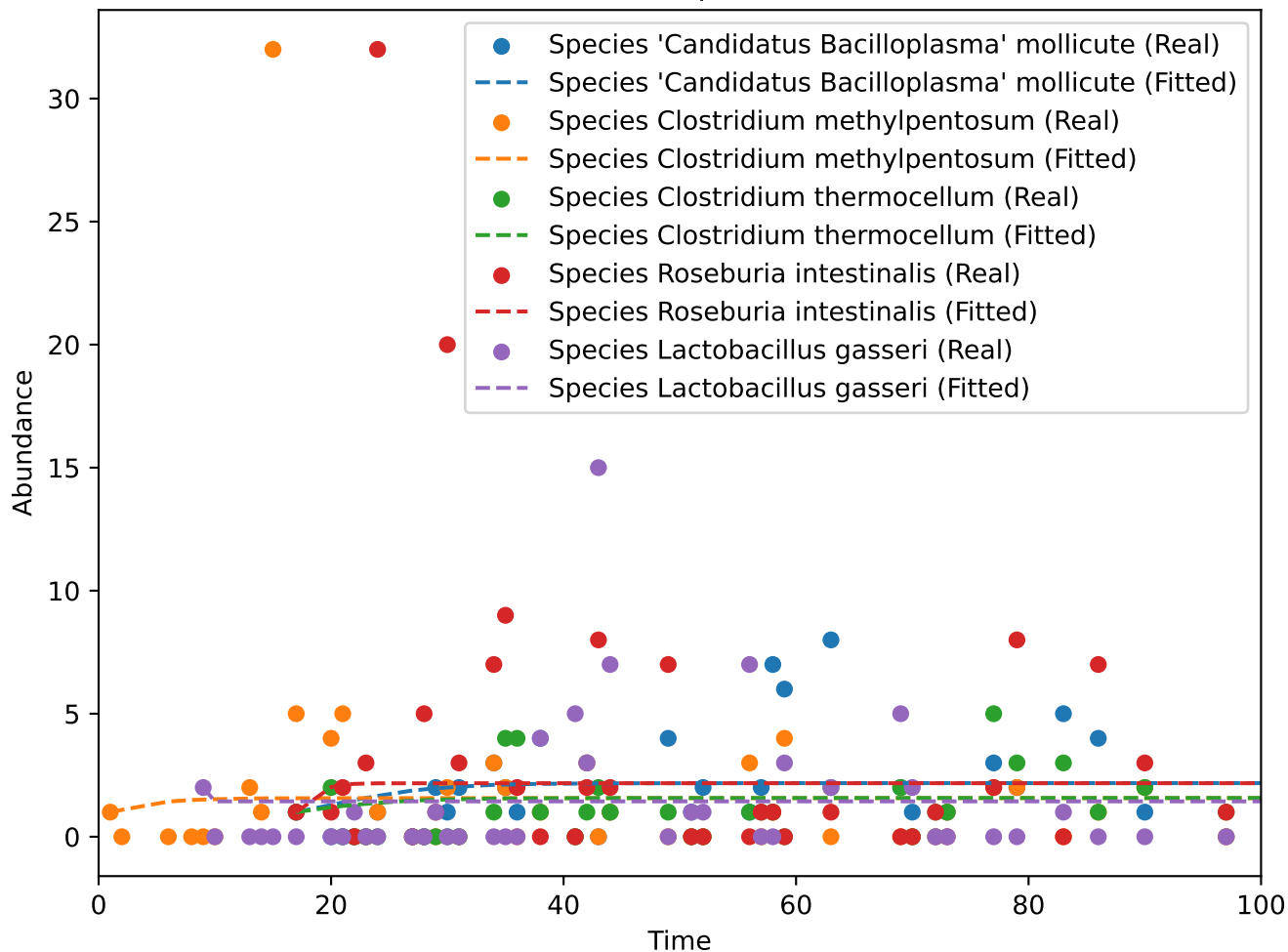
Mouse 8 - Species Fit



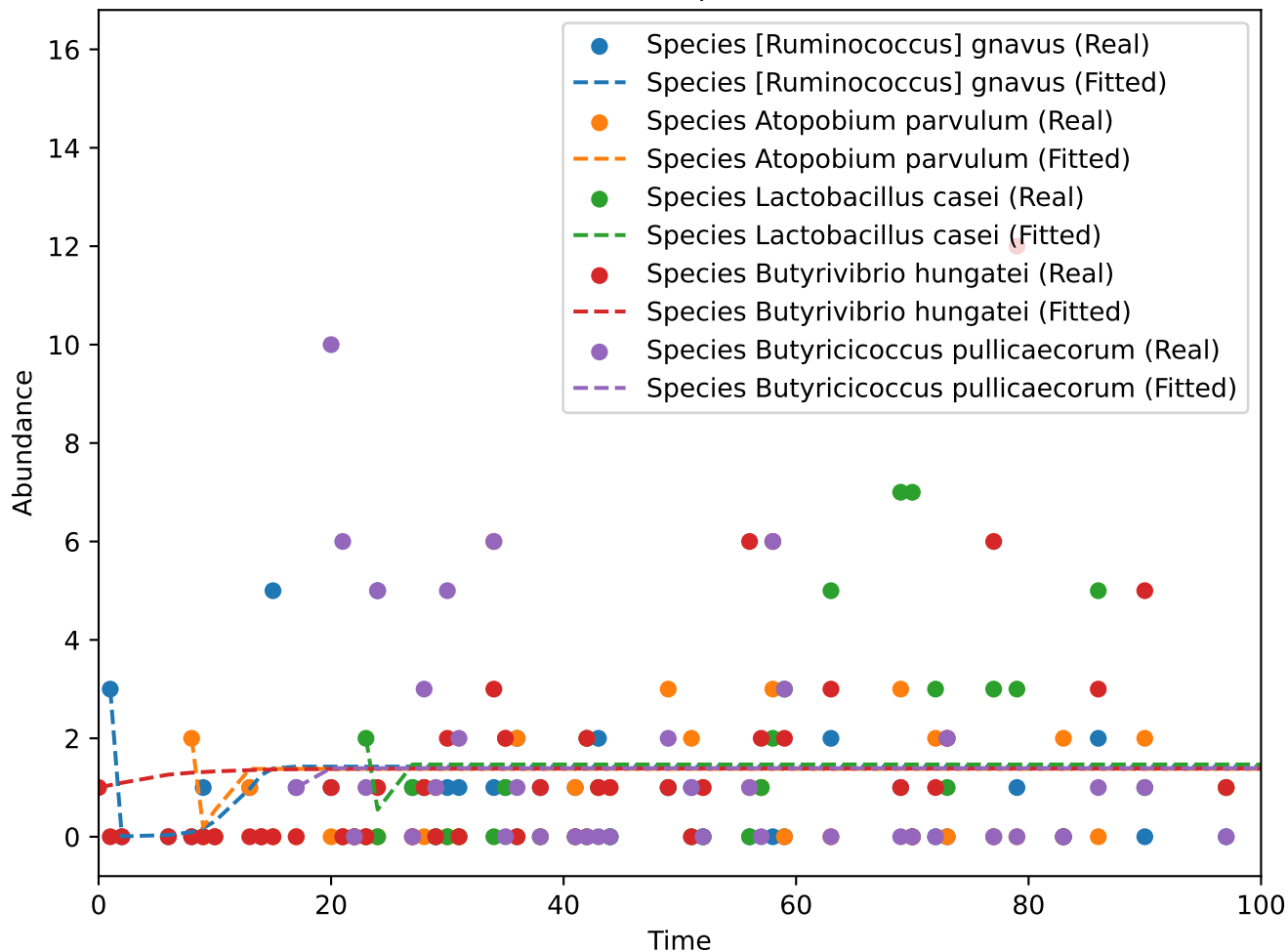
Mouse 8 - Species Fit



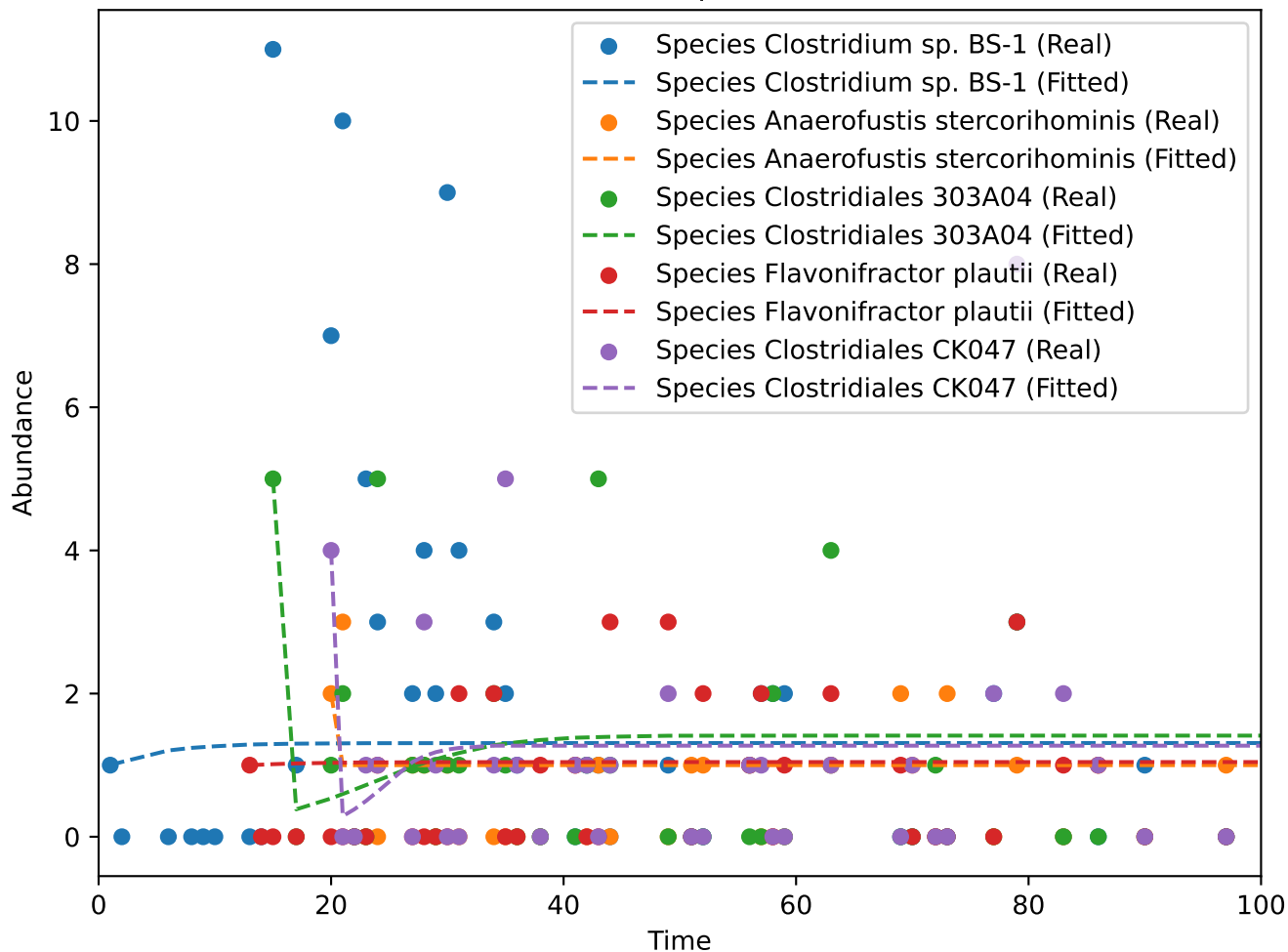
# Mouse 8 - Species Fit



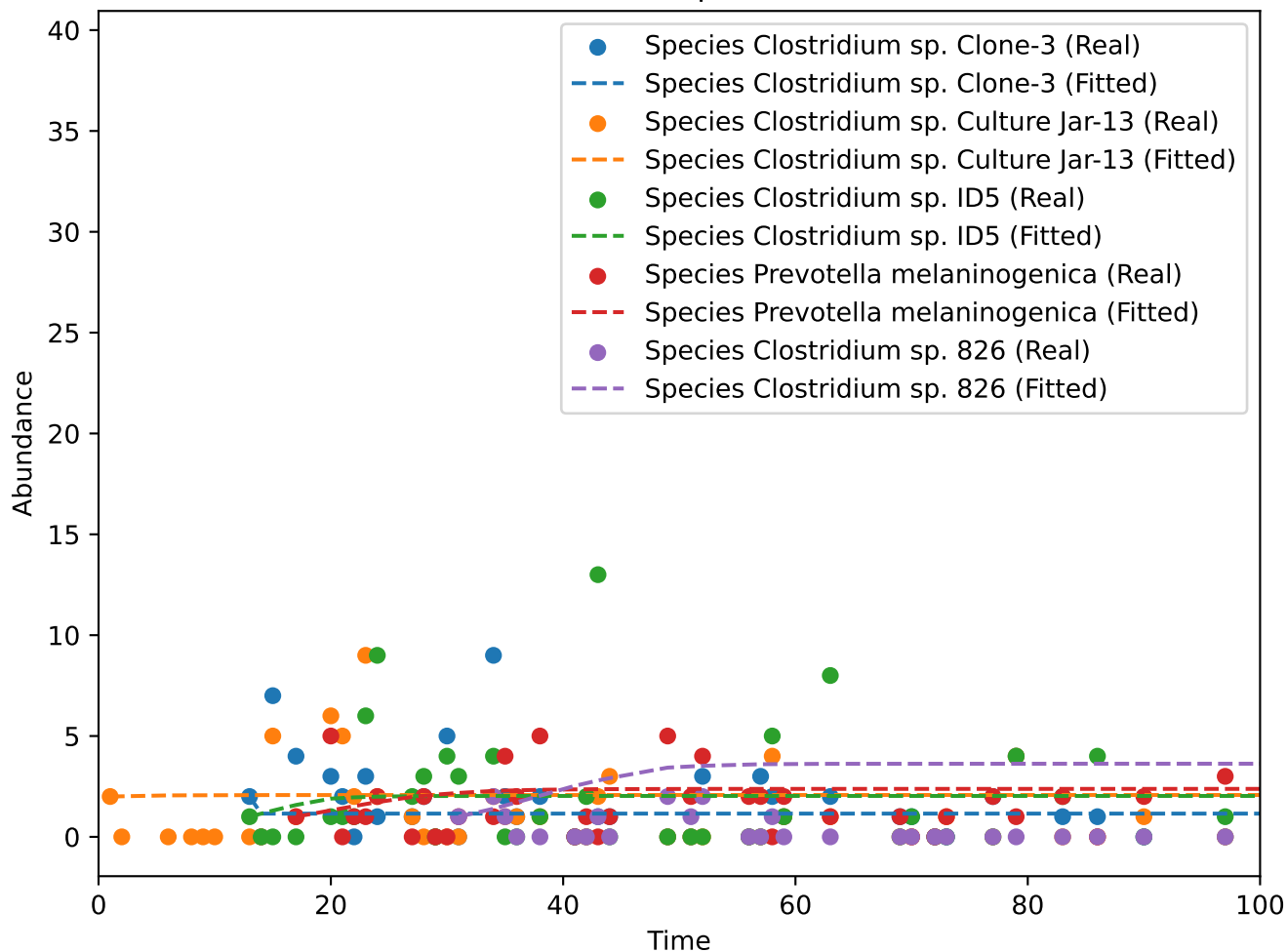
Mouse 8 - Species Fit



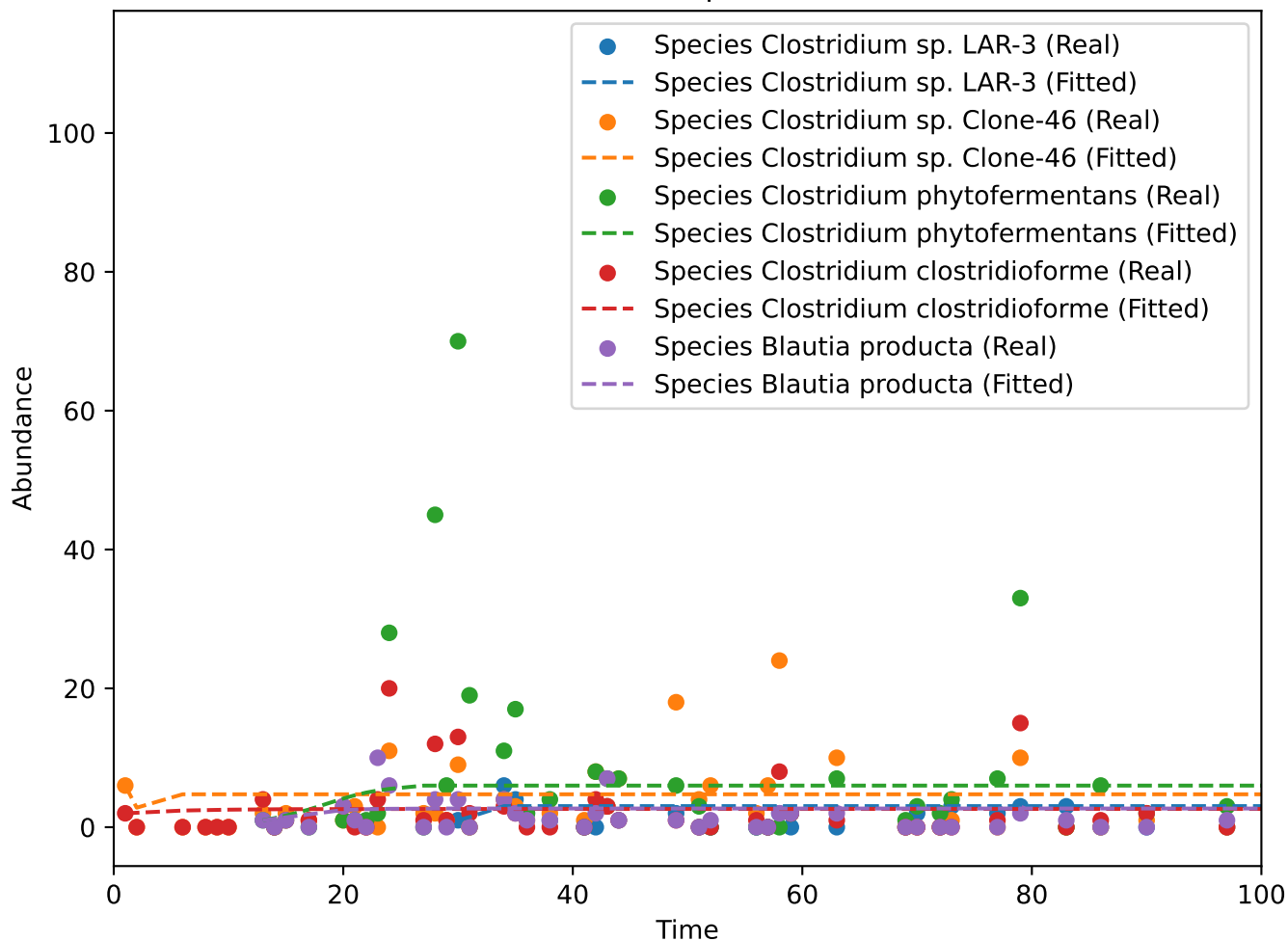
Mouse 8 - Species Fit



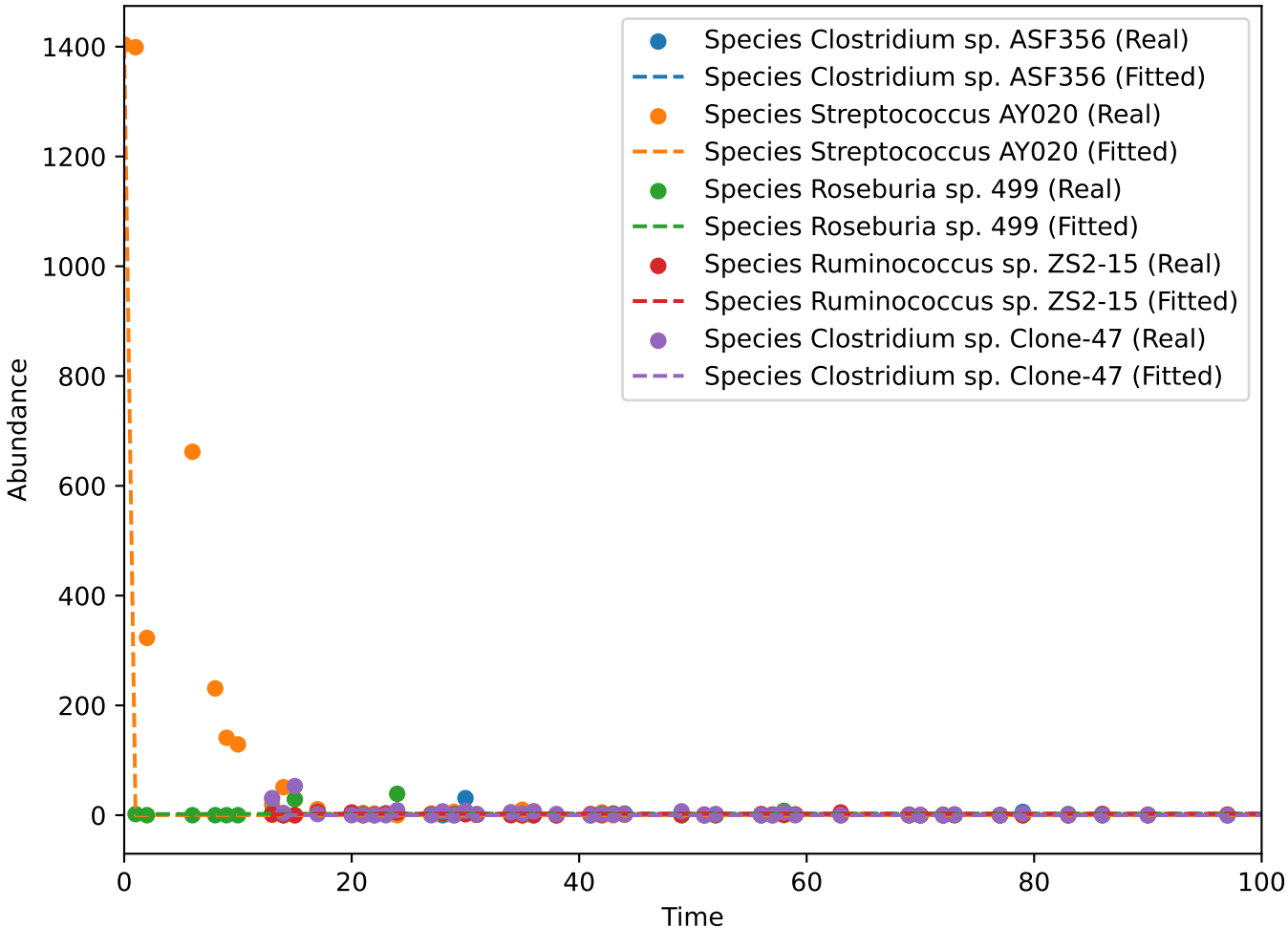
Mouse 8 - Species Fit



Mouse 8 - Species Fit

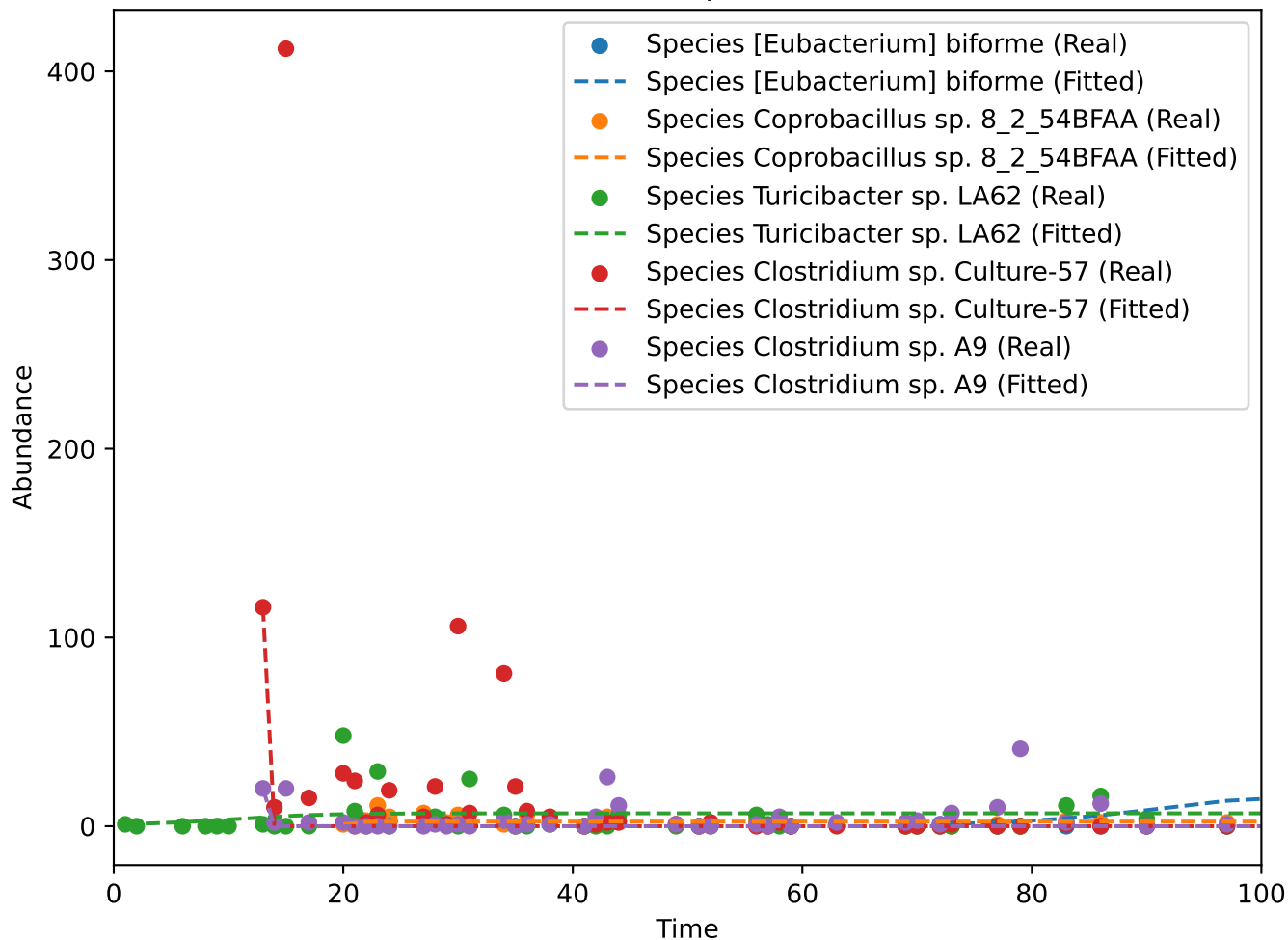


## Mouse 8 - Species Fit

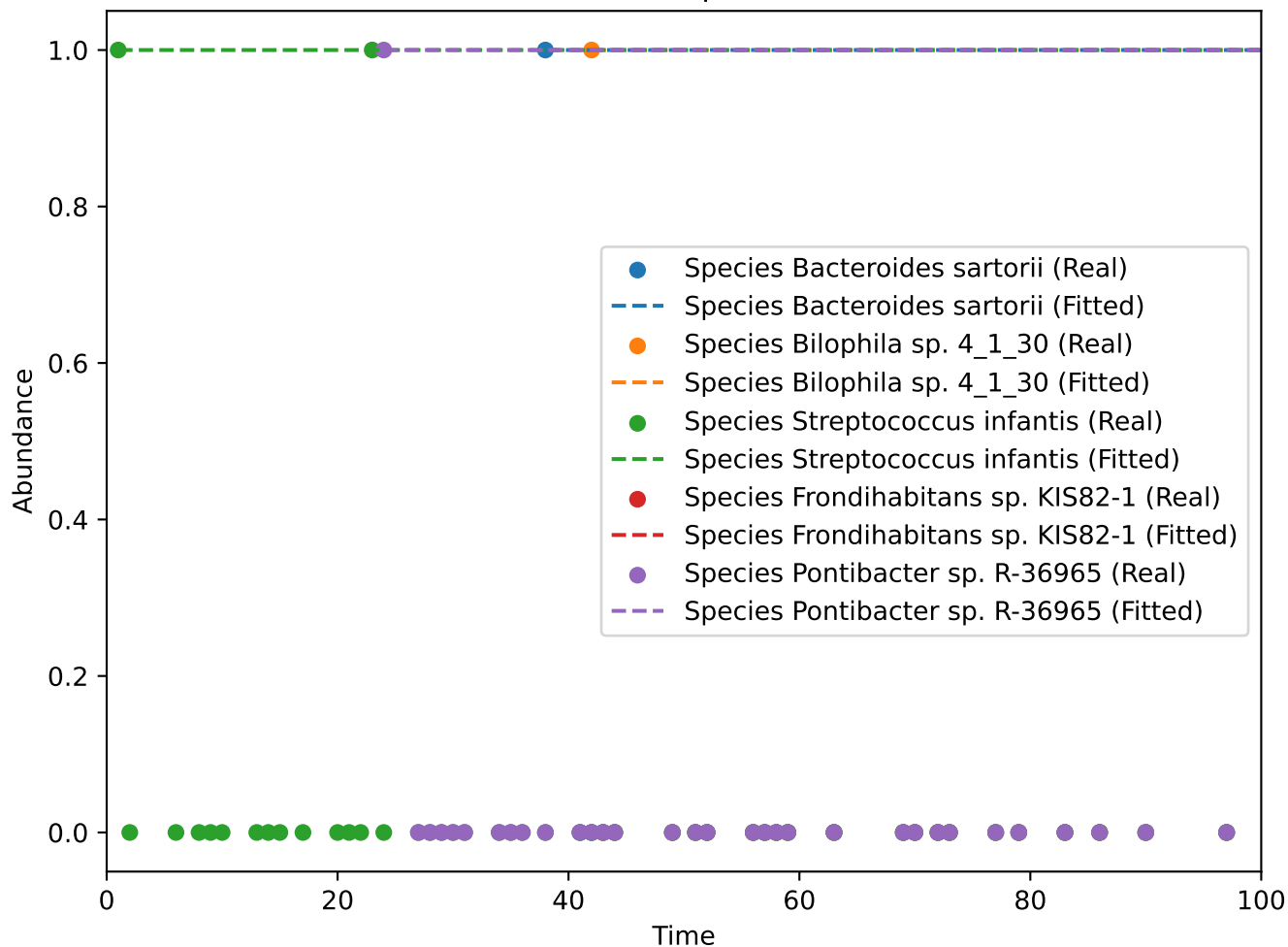




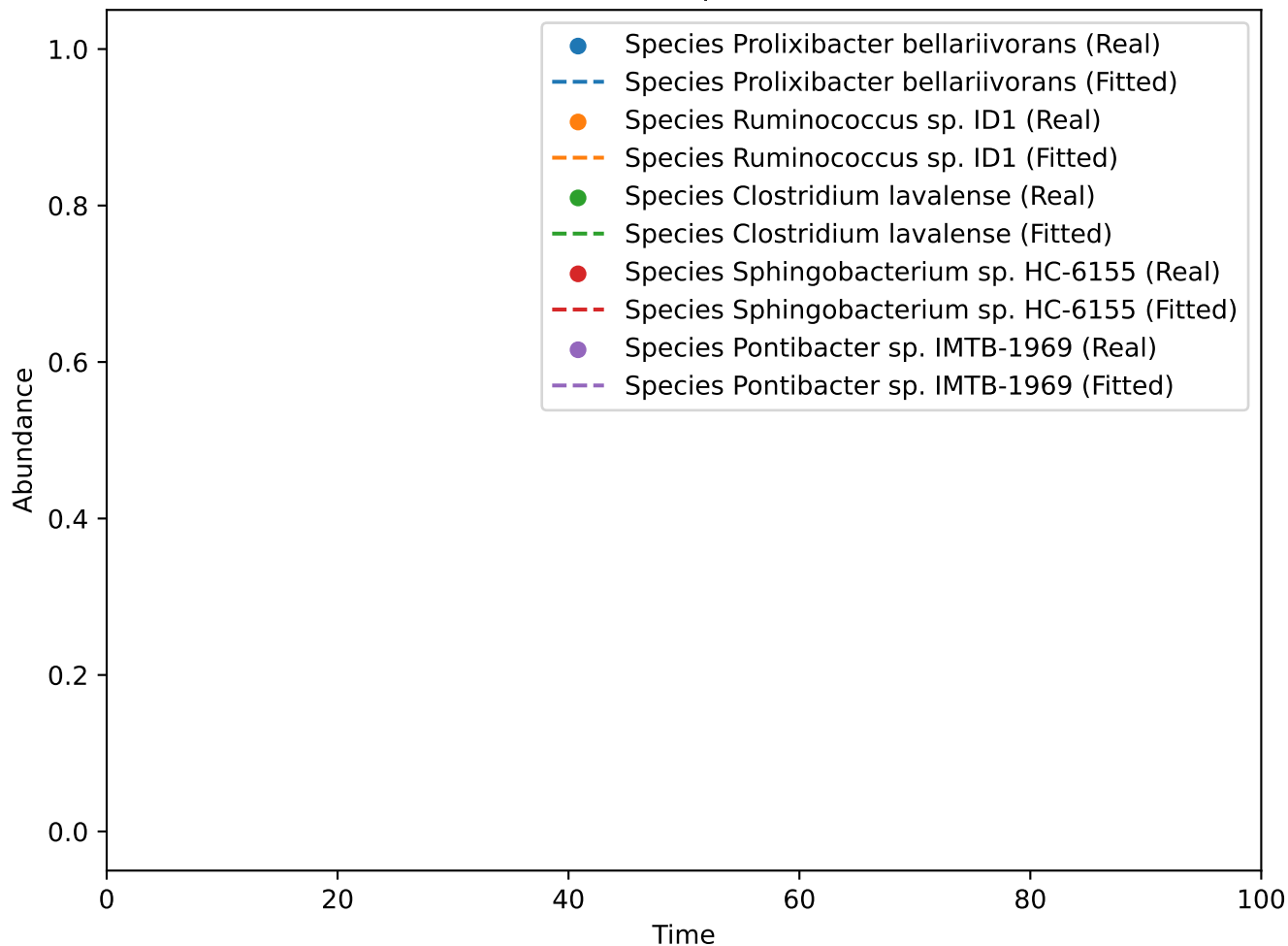
Mouse 8 - Species Fit



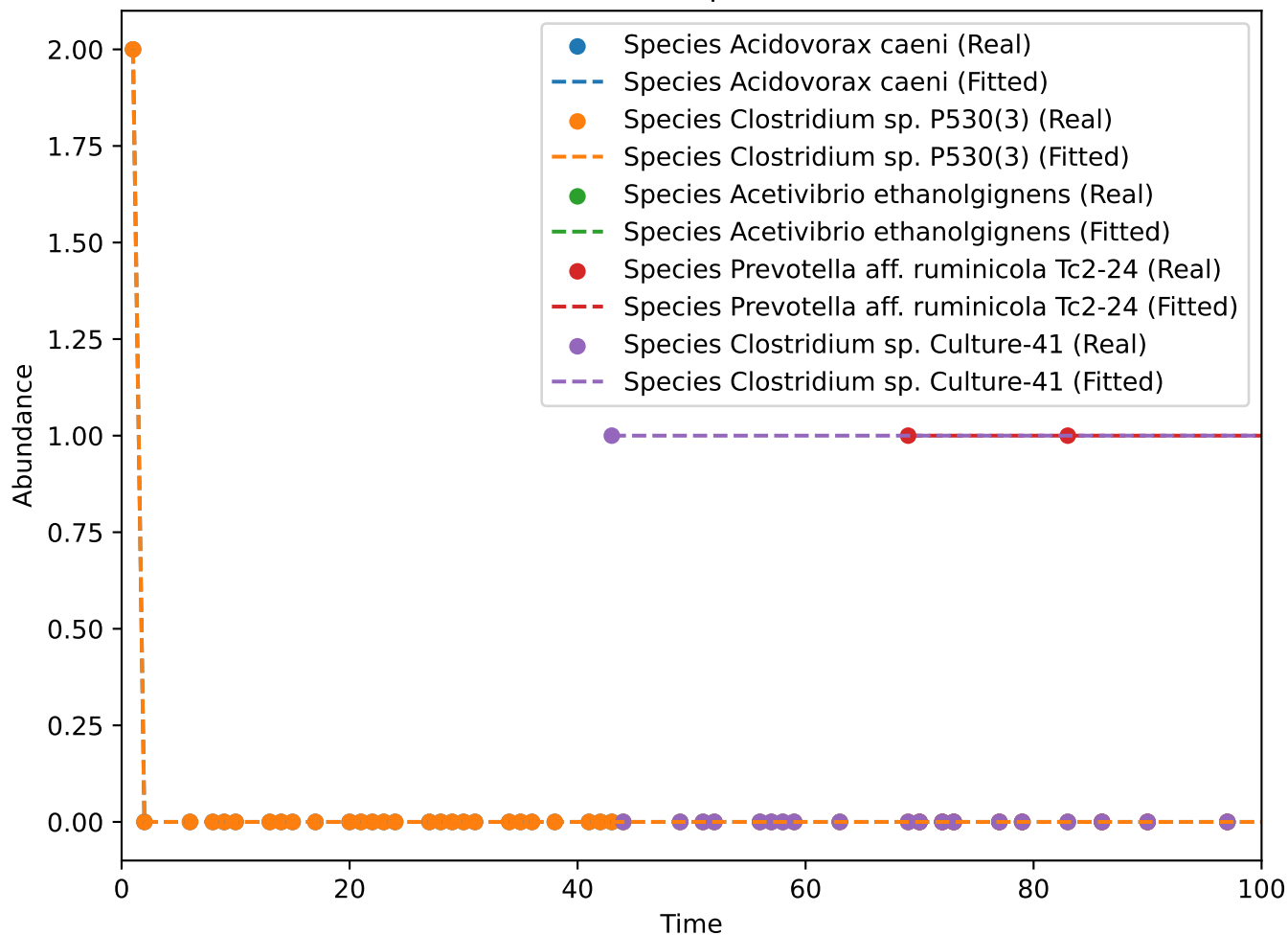
Mouse 8 - Species Fit



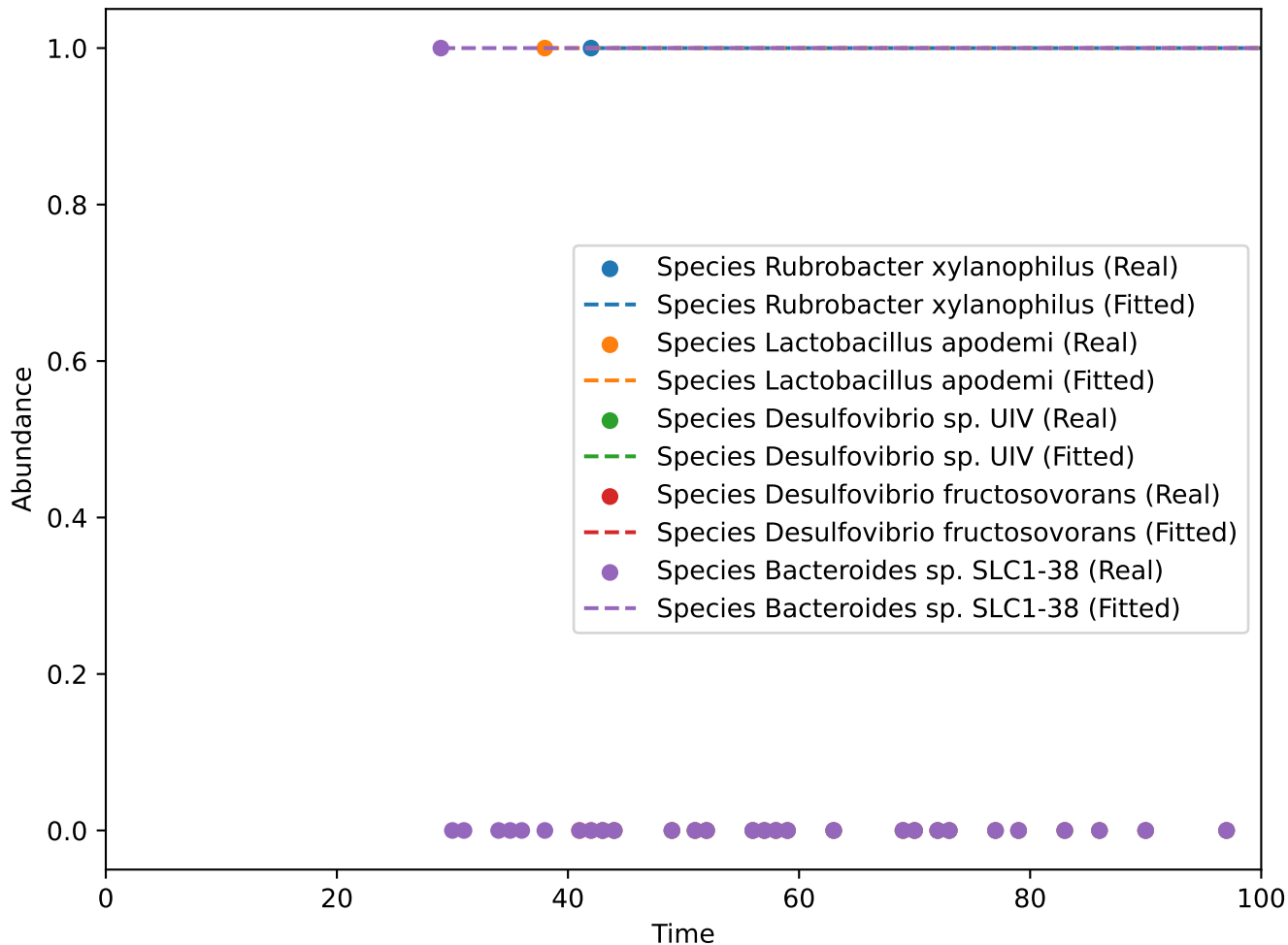
## Mouse 8 - Species Fit



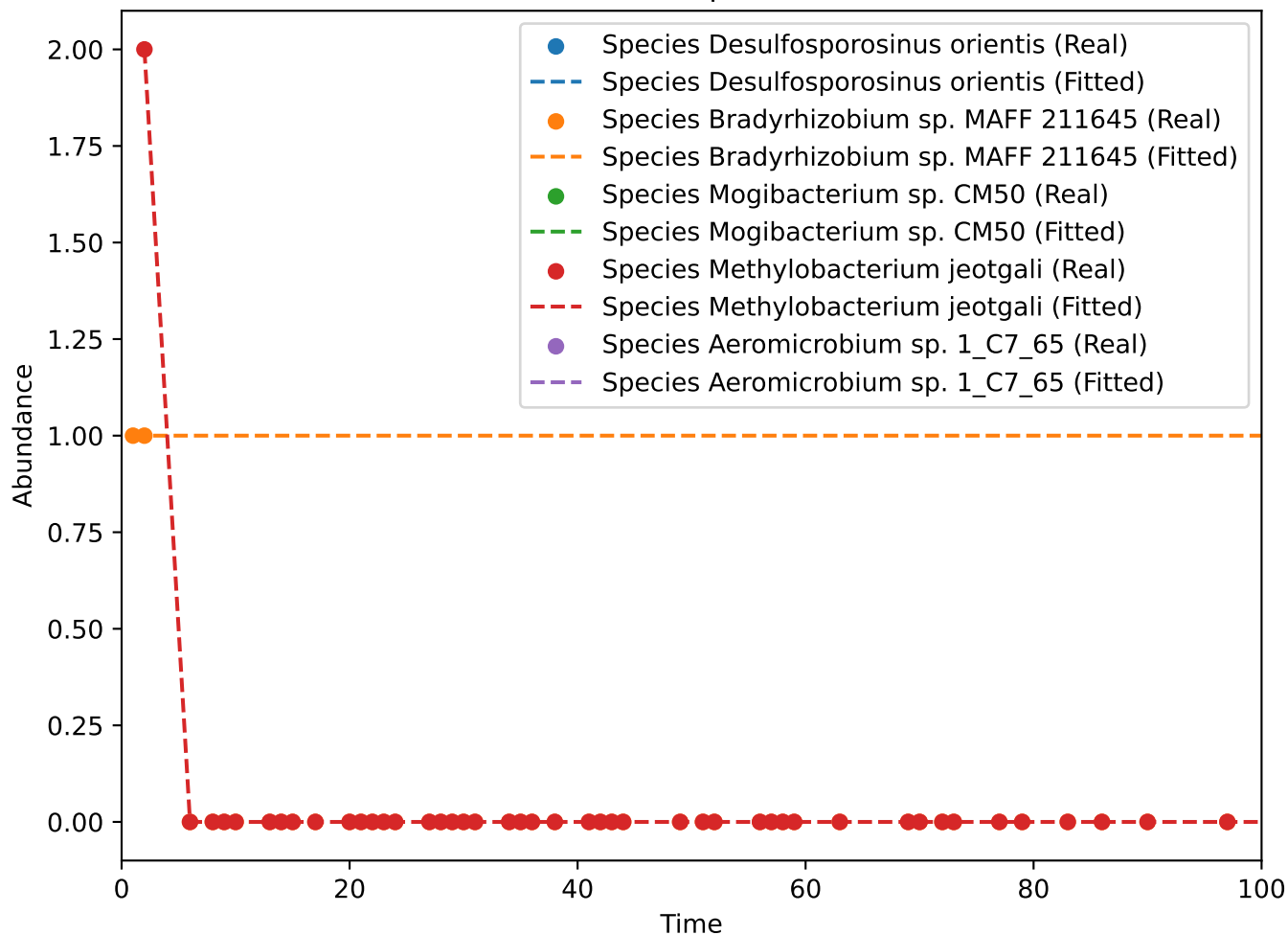
## Mouse 8 - Species Fit

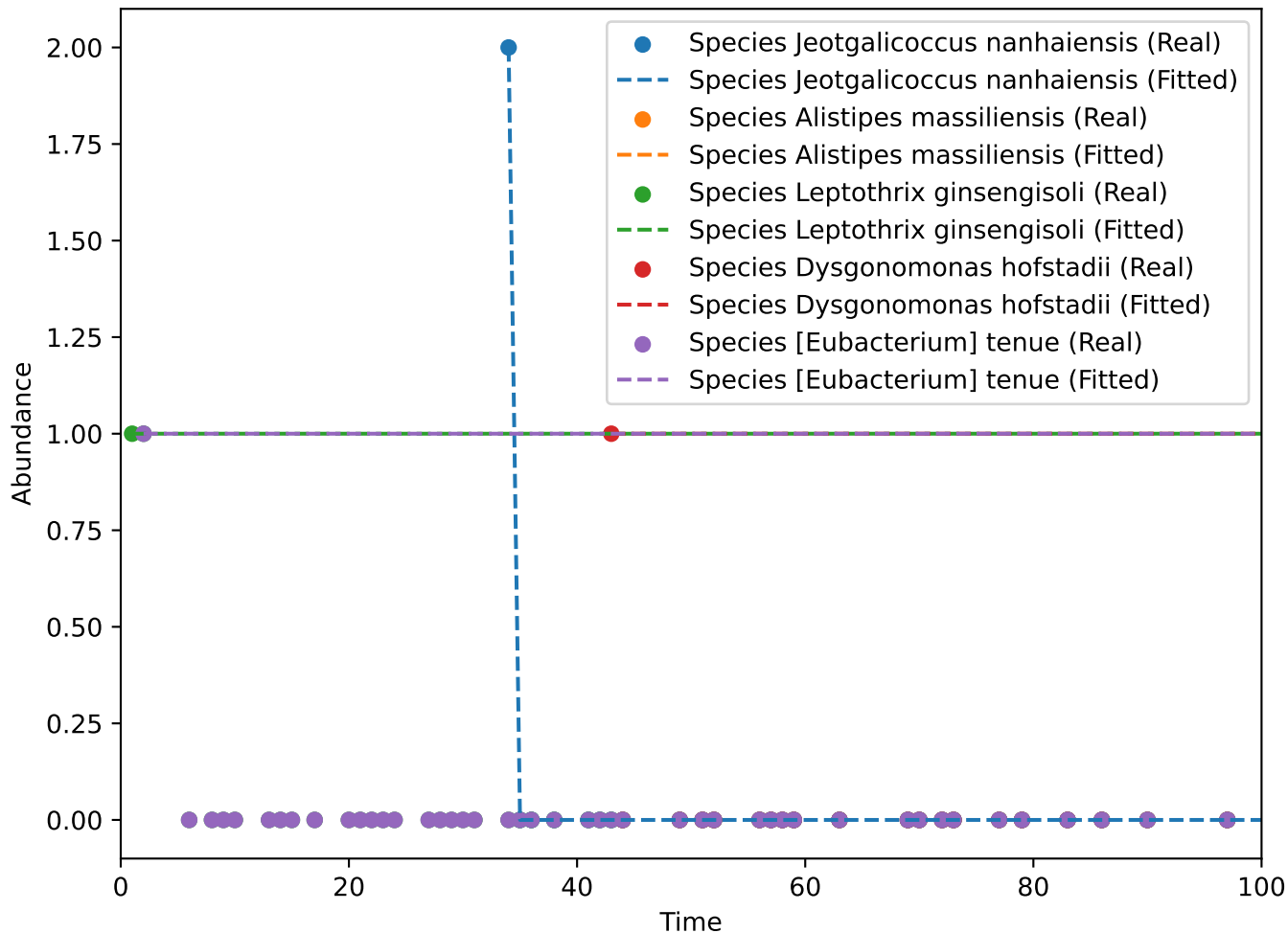


● Species *Rubrobacter xylanophilus* (Real)  
 --- Species *Rubrobacter xylanophilus* (Fitted)  
 ● Species *Lactobacillus apodemi* (Real)  
 --- Species *Lactobacillus apodemi* (Fitted)  
 ● Species *Desulfovibrio* sp. UIV (Real)  
 --- Species *Desulfovibrio* sp. UIV (Fitted)  
 ● Species *Desulfovibrio fructosovorans* (Real)  
 --- Species *Desulfovibrio fructosovorans* (Fitted)  
 ● Species *Bacteroides* sp. SLC1-38 (Real)  
 --- Species *Bacteroides* sp. SLC1-38 (Fitted)

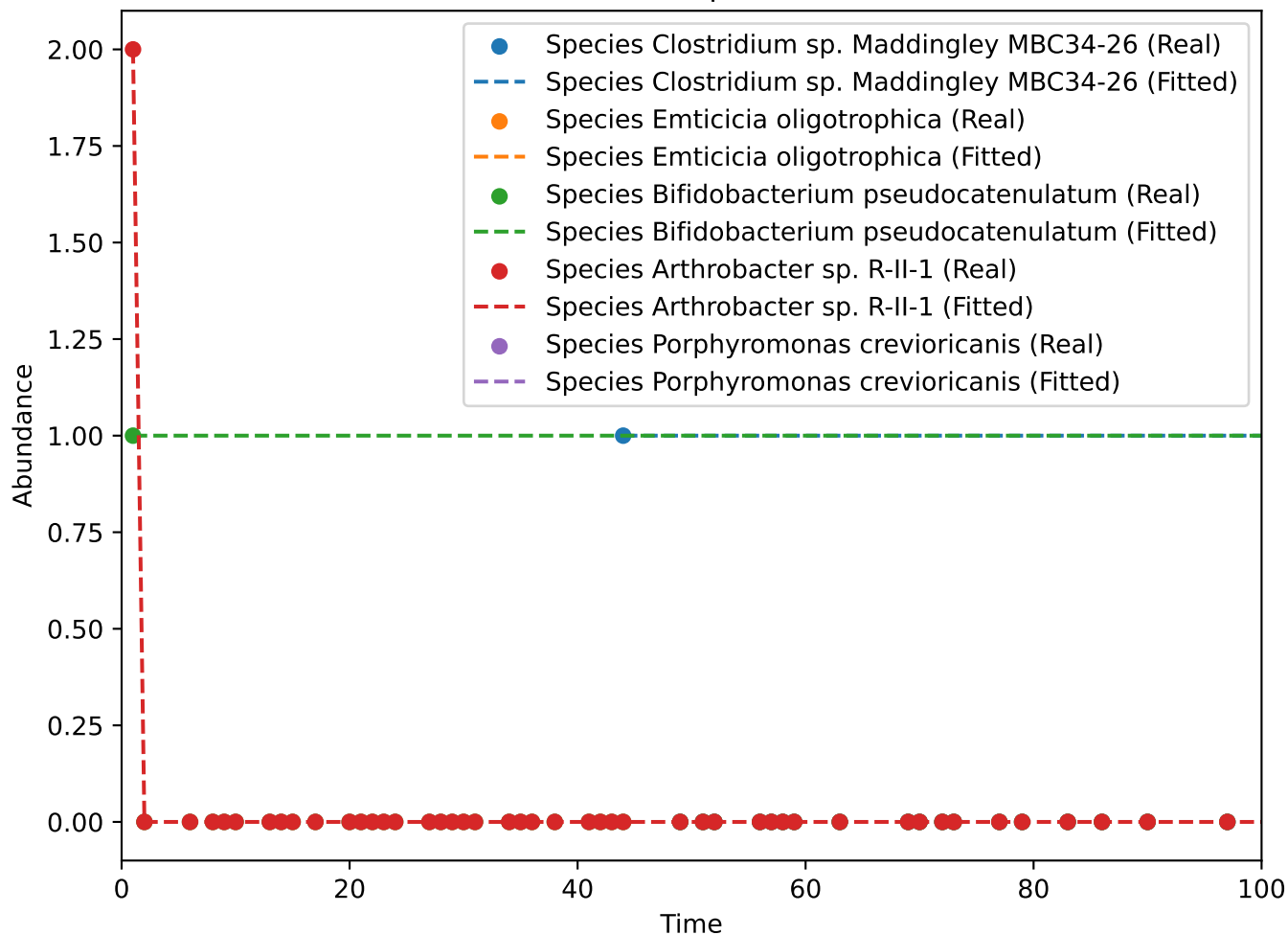


Mouse 8 - Species Fit



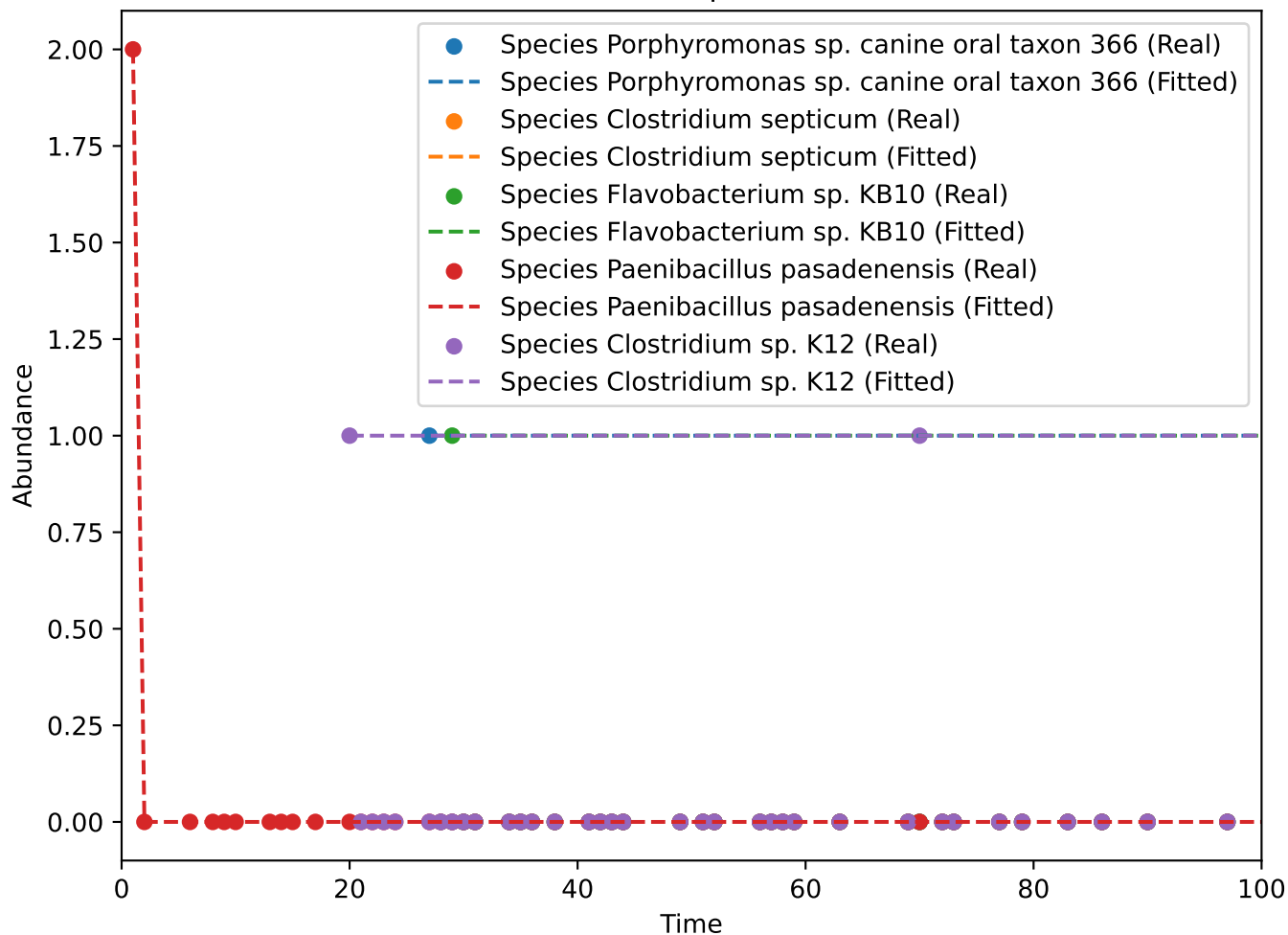


### Mouse 8 - Species Fit





## Mouse 8 - Species Fit



Mouse 8 - Species Fit

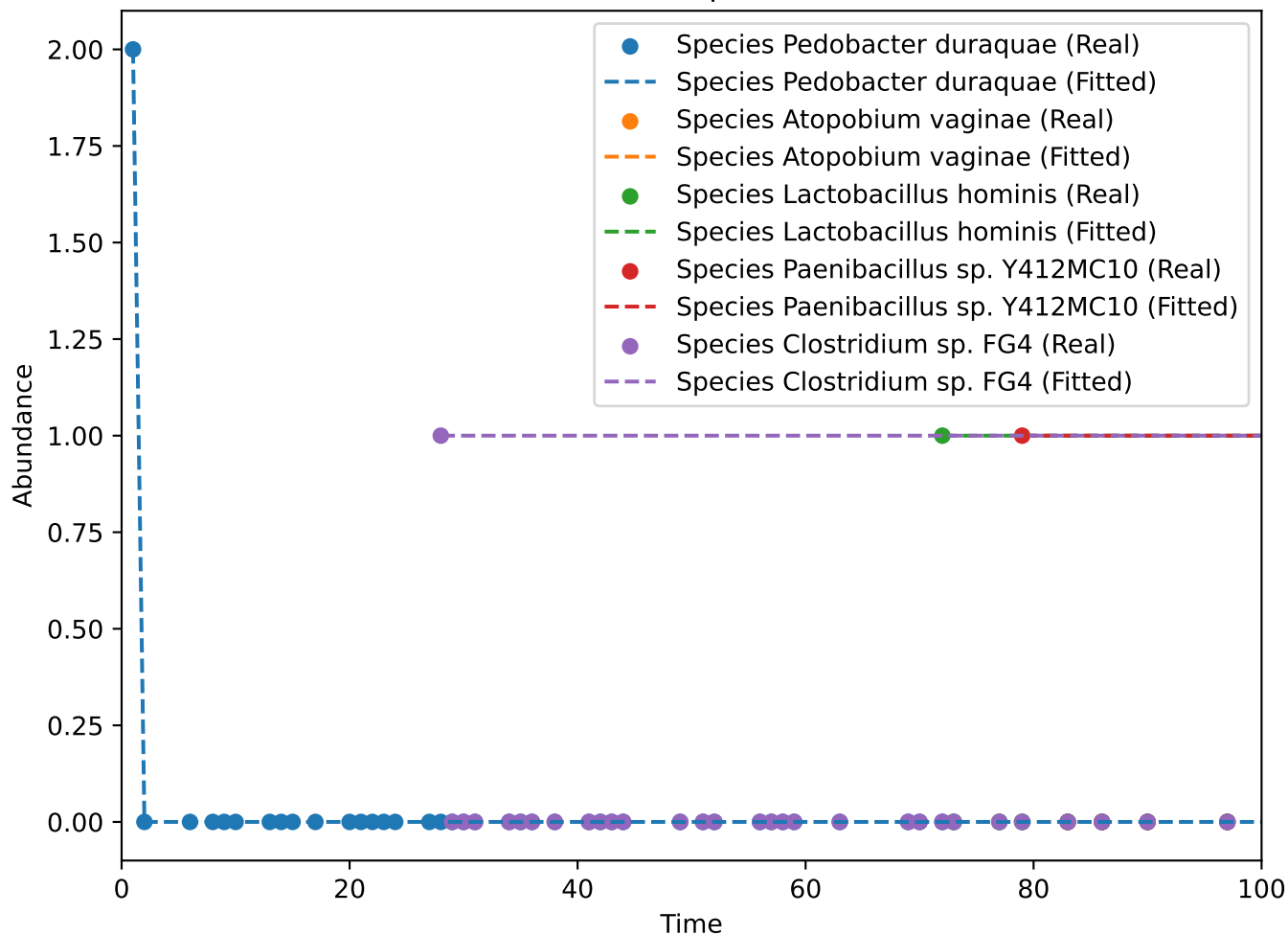
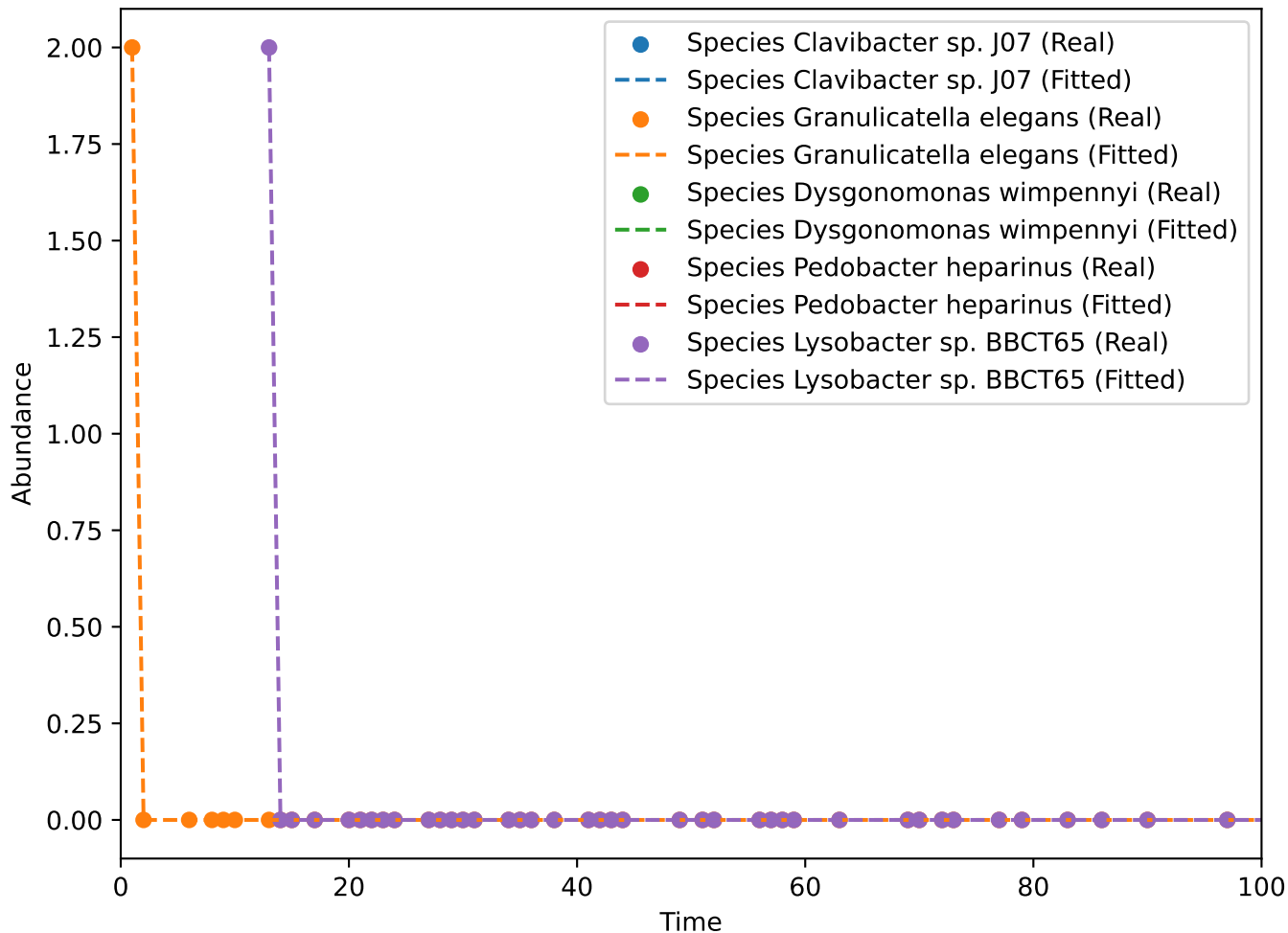
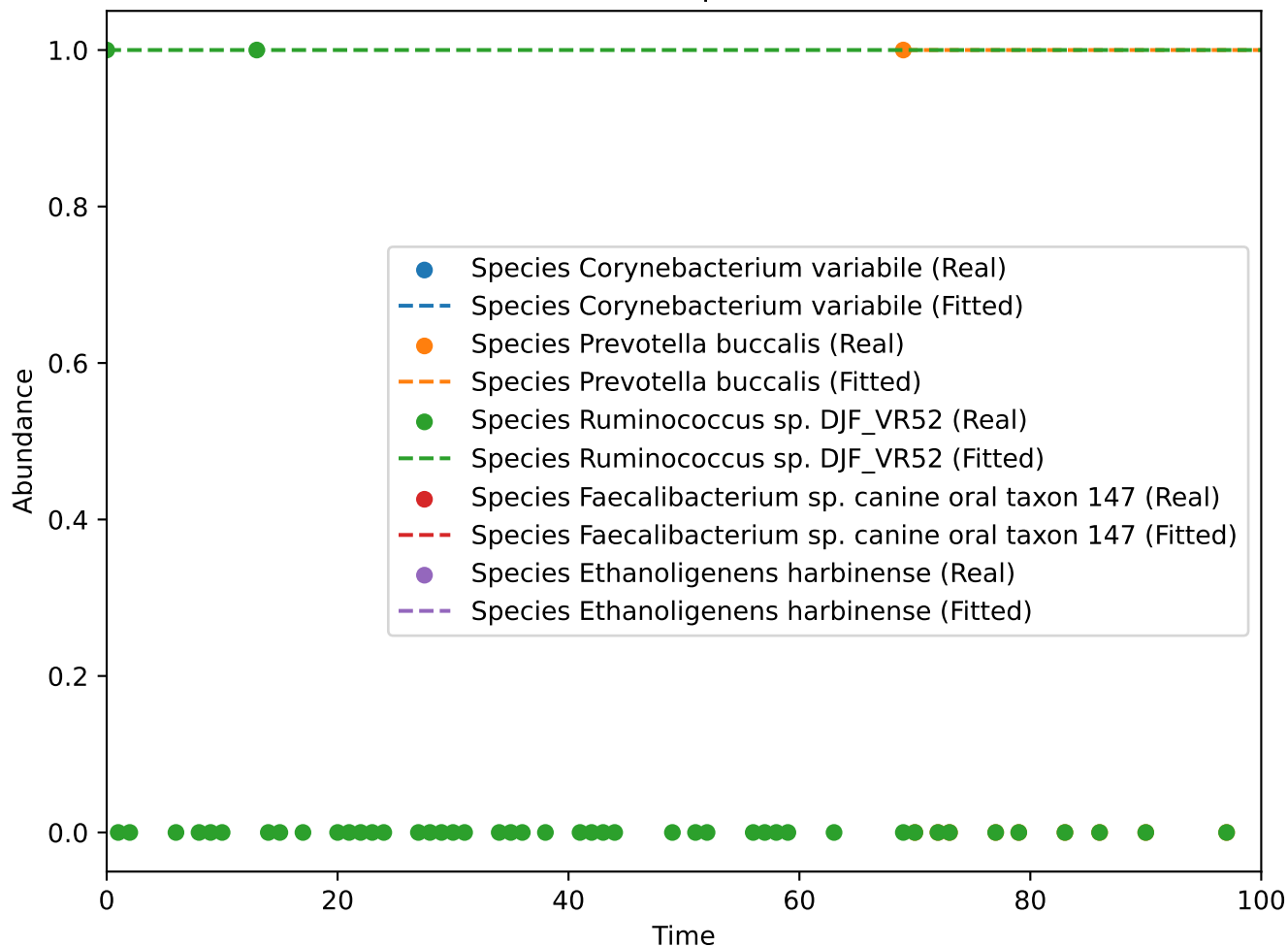


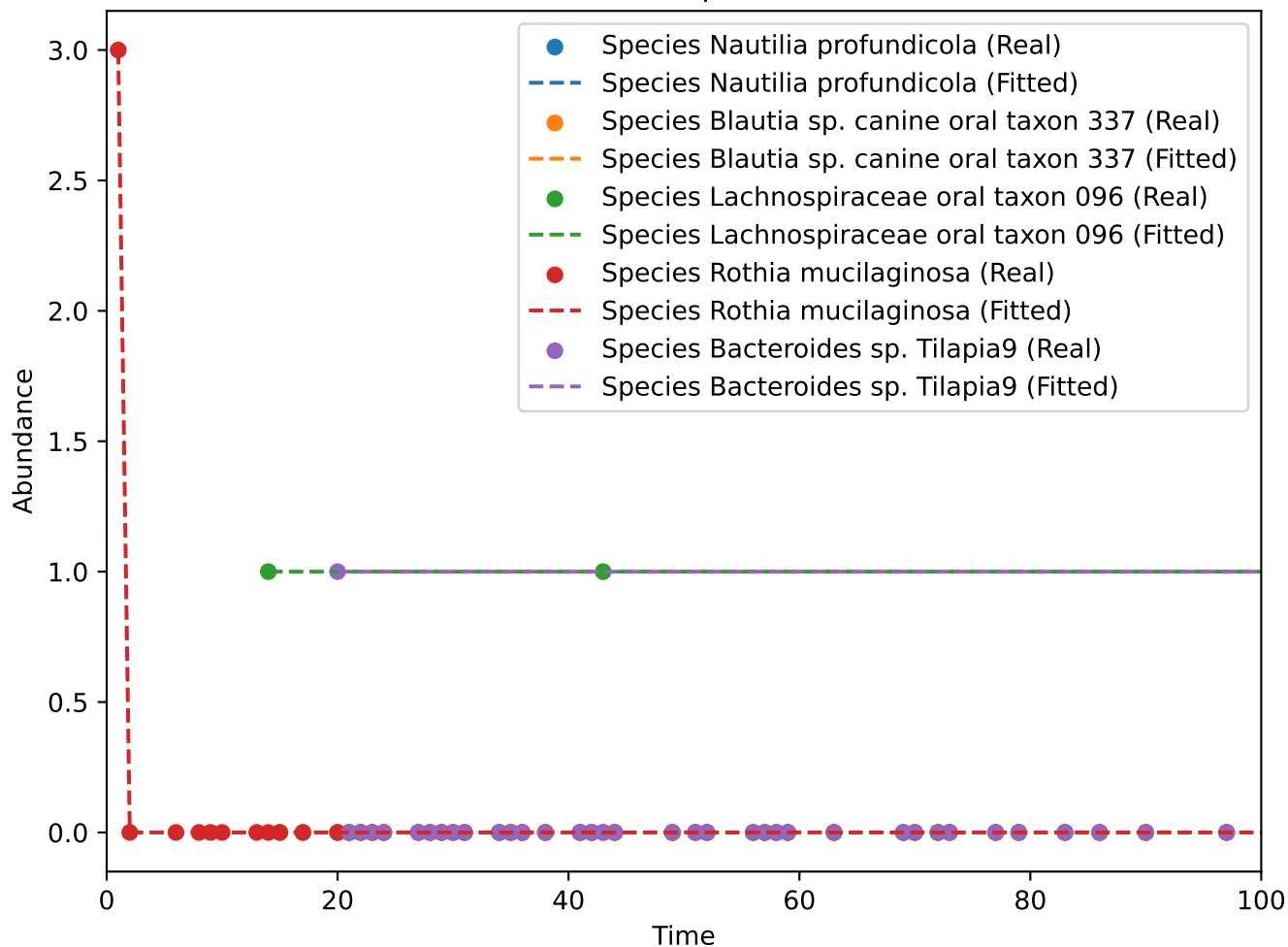
Figure 1 is a line graph showing the number of bacterial species (Y-axis) versus the number of samples (X-axis) for five species: *Clavibacter* sp. J07, *Granulicatella elegans*, *Dysgonomonas wimpennyi*, *Pedobacter heparinus*, and *Lysobacter* sp. BBCT65. The Y-axis ranges from 0 to 10, and the X-axis ranges from 0 to 100. The graph compares real data (solid lines with markers) and fitted data (dashed lines). *Granulicatella elegans* (orange) shows a sharp increase from 0 to 10 at sample 1. *Lysobacter* sp. BBCT65 (purple) shows a sharp increase from 0 to 10 at sample 13. All other species remain at 0 for all samples.



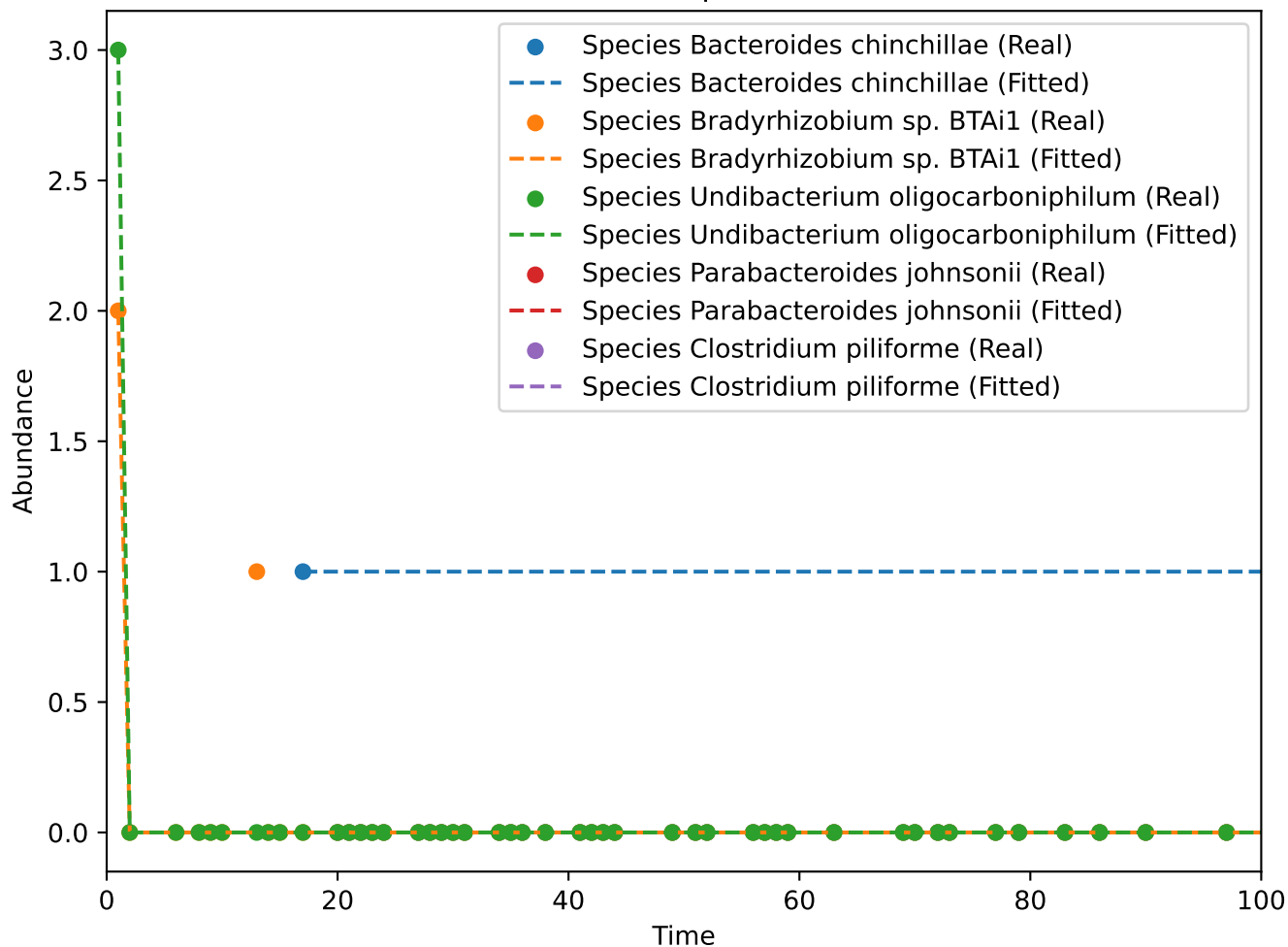
Mouse 8 - Species Fit



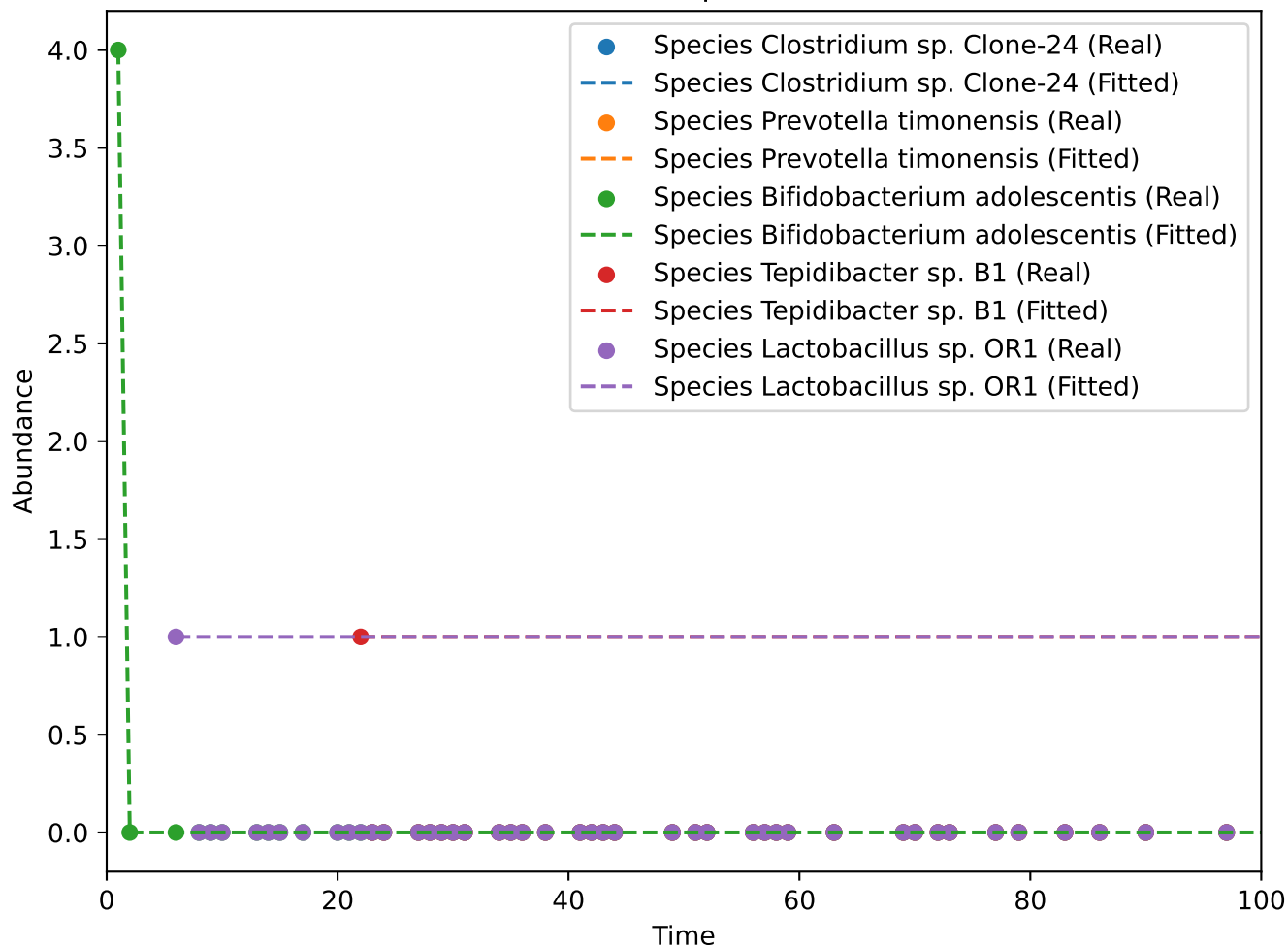
Mouse 8 - Species Fit



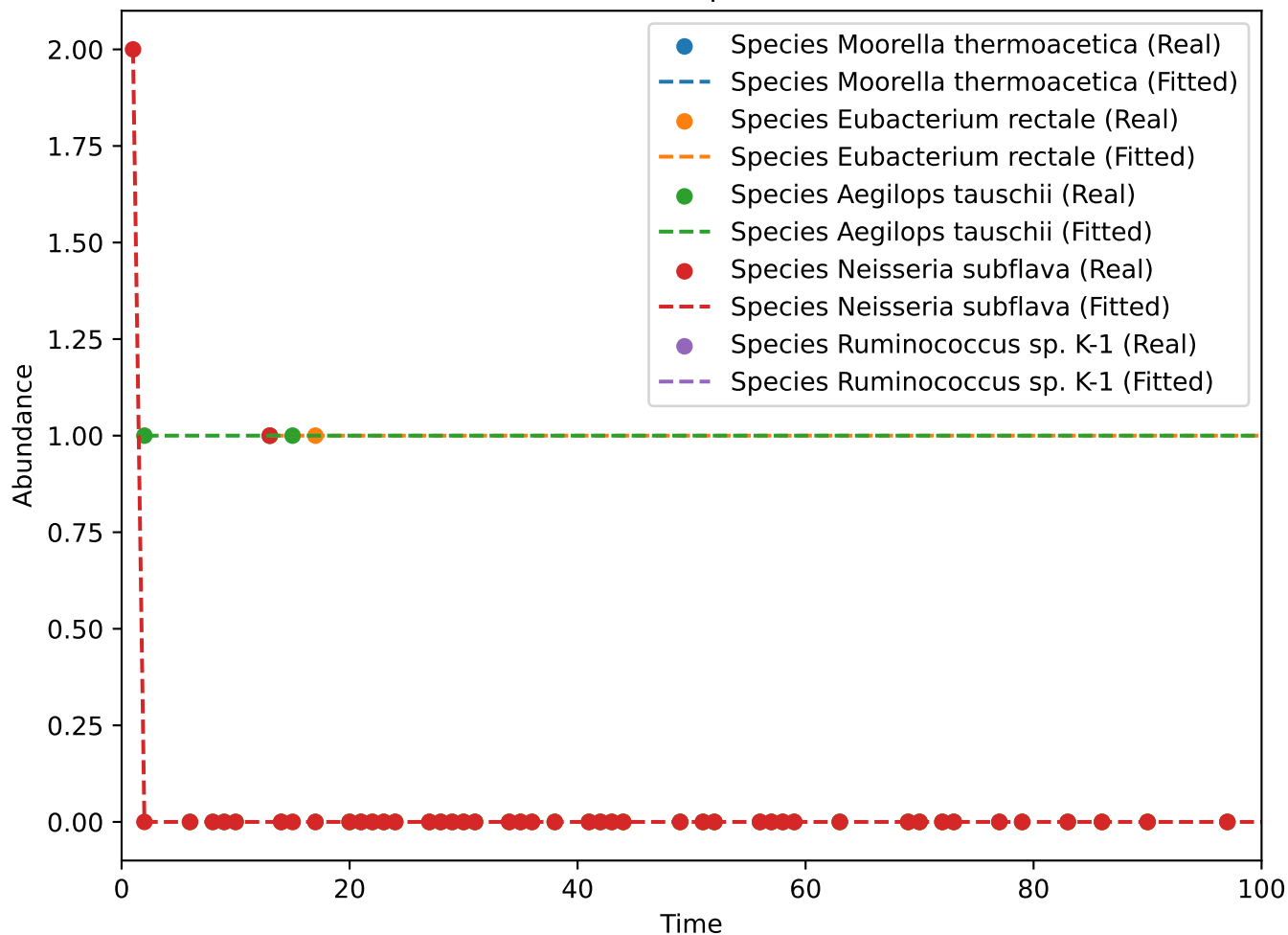
## Mouse 8 - Species Fit



## Mouse 8 - Species Fit

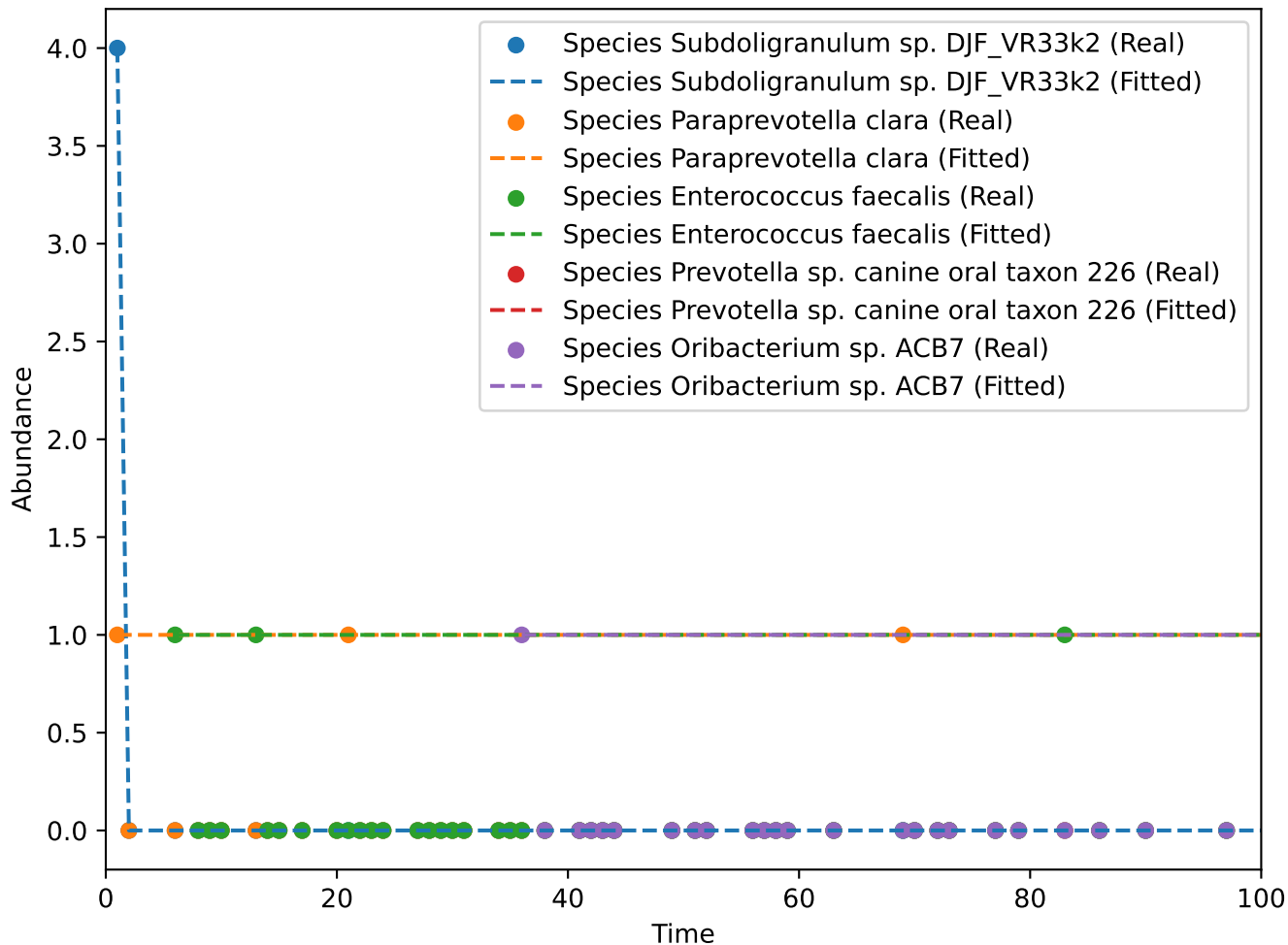


Mouse 8 - Species Fit

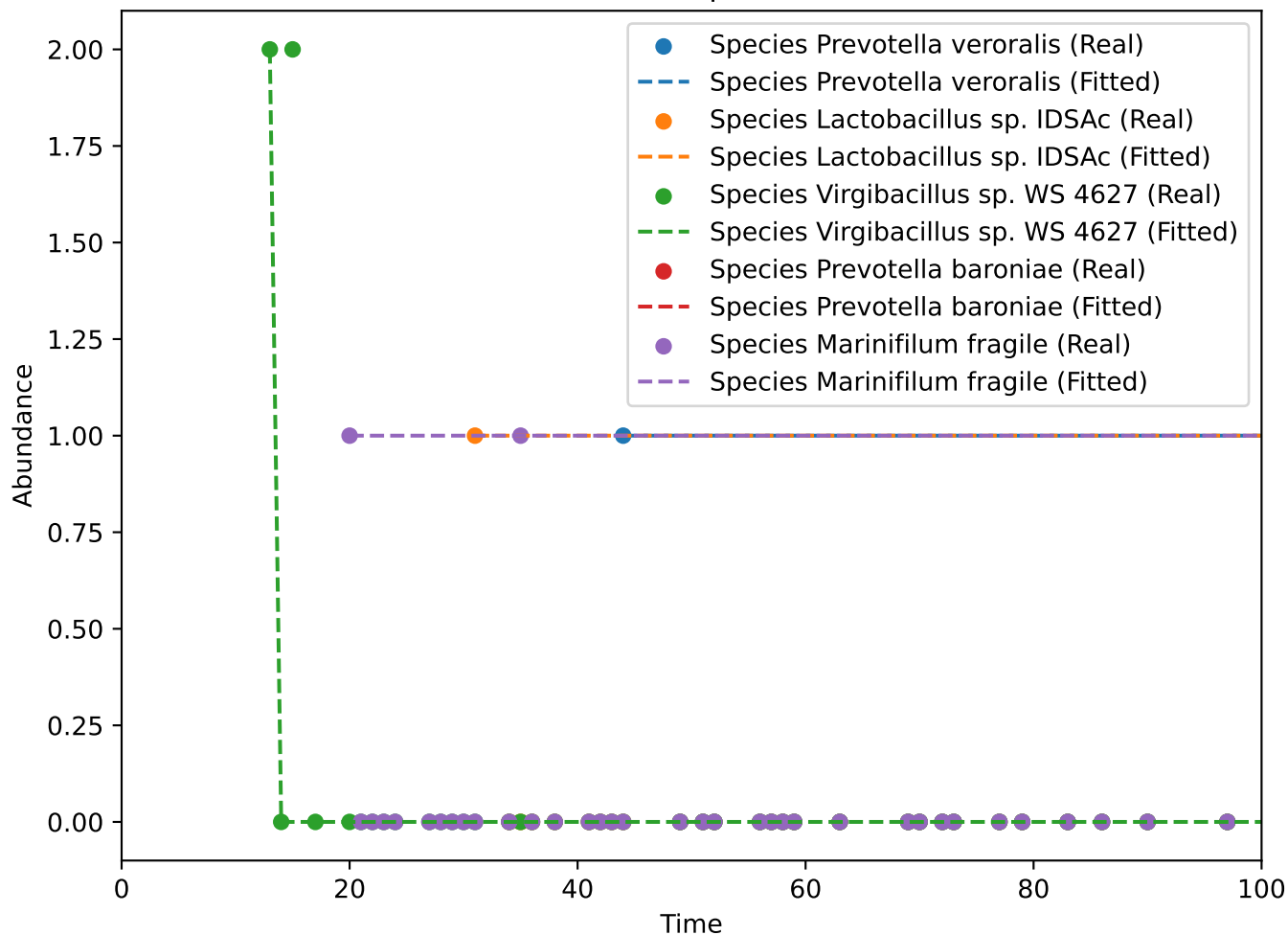




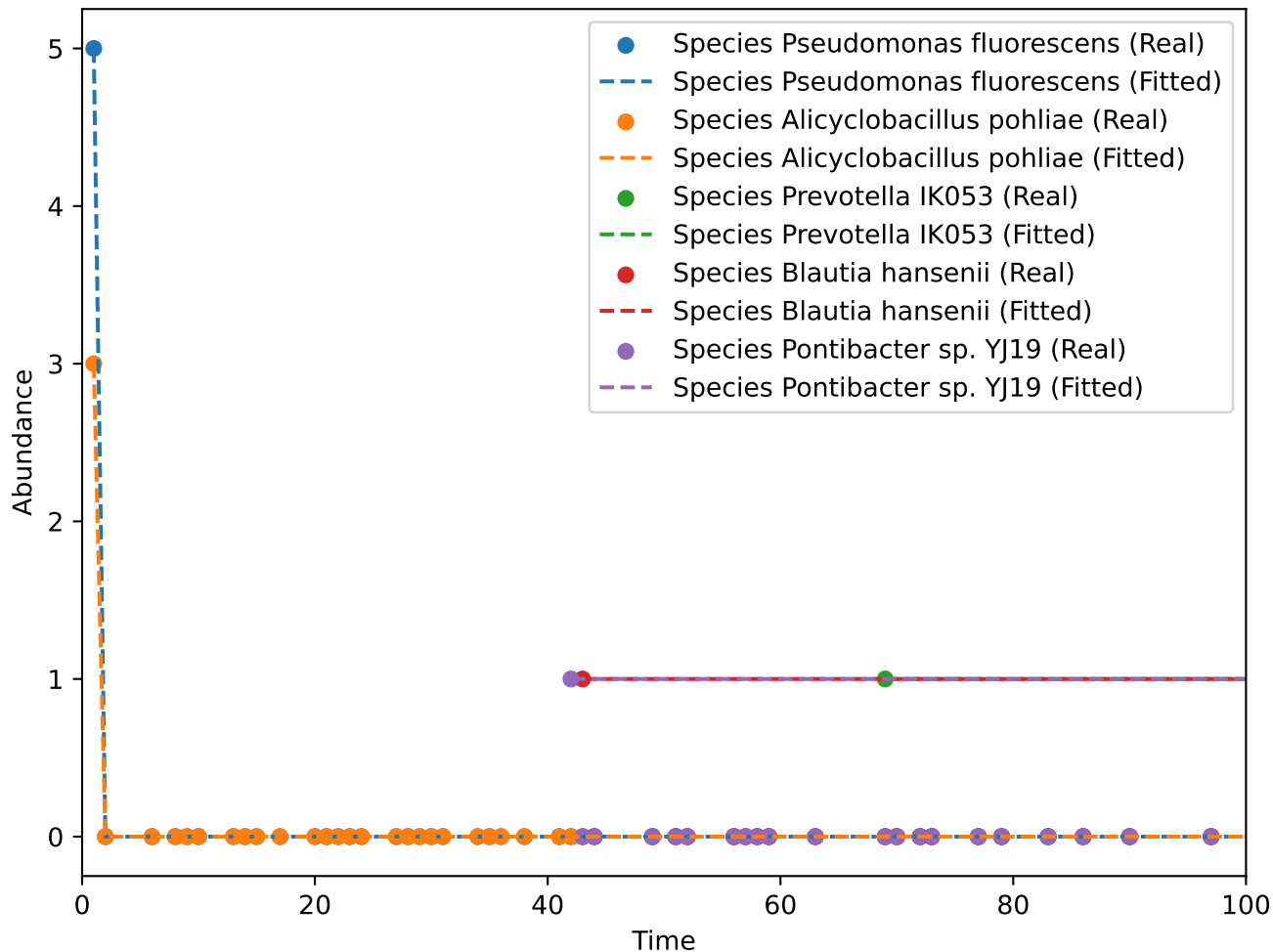
- Species Subdoligranulum sp. DJF\_VR33k2 (Real)
- Species Subdoligranulum sp. DJF\_VR33k2 (Fitted)
- Species Paraprevotella clara (Real)
- Species Paraprevotella clara (Fitted)
- Species Enterococcus faecalis (Real)
- Species Enterococcus faecalis (Fitted)
- Species Prevotella sp. canine oral taxon 226 (Real)
- Species Prevotella sp. canine oral taxon 226 (Fitted)
- Species Oribacterium sp. ACB7 (Real)
- Species Oribacterium sp. ACB7 (Fitted)



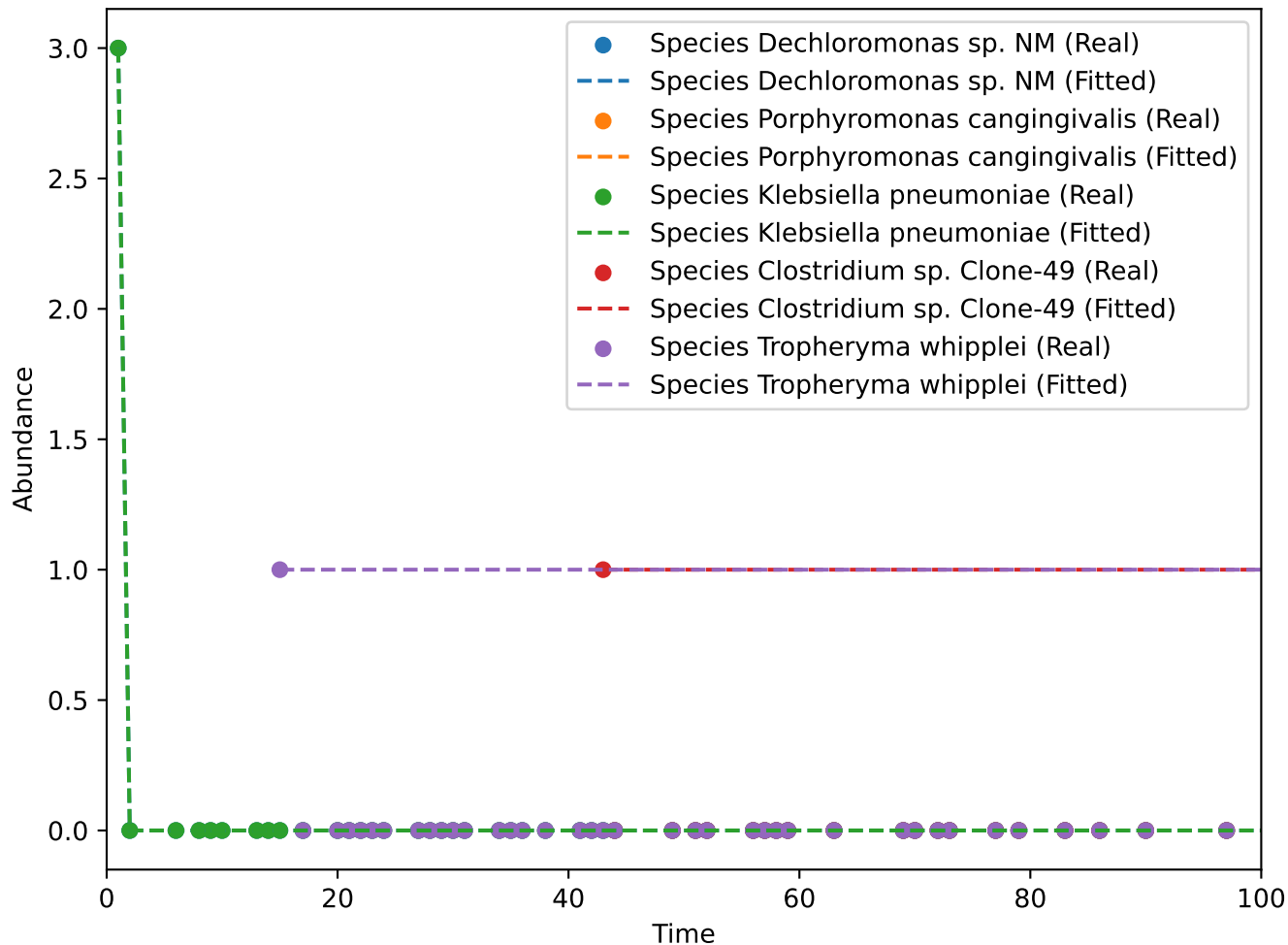
# Mouse 8 - Species Fit



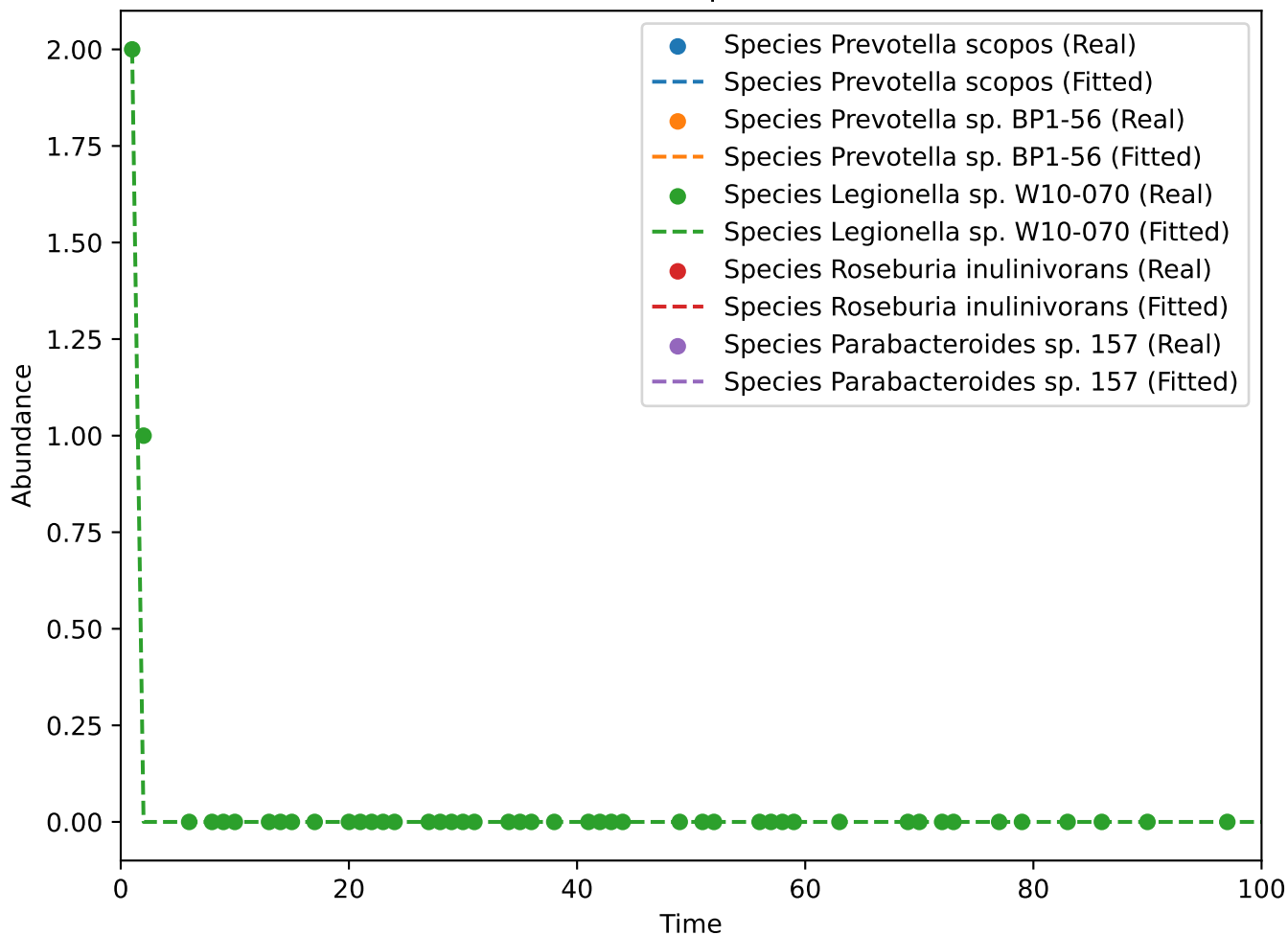
### Mouse 8 - Species Fit



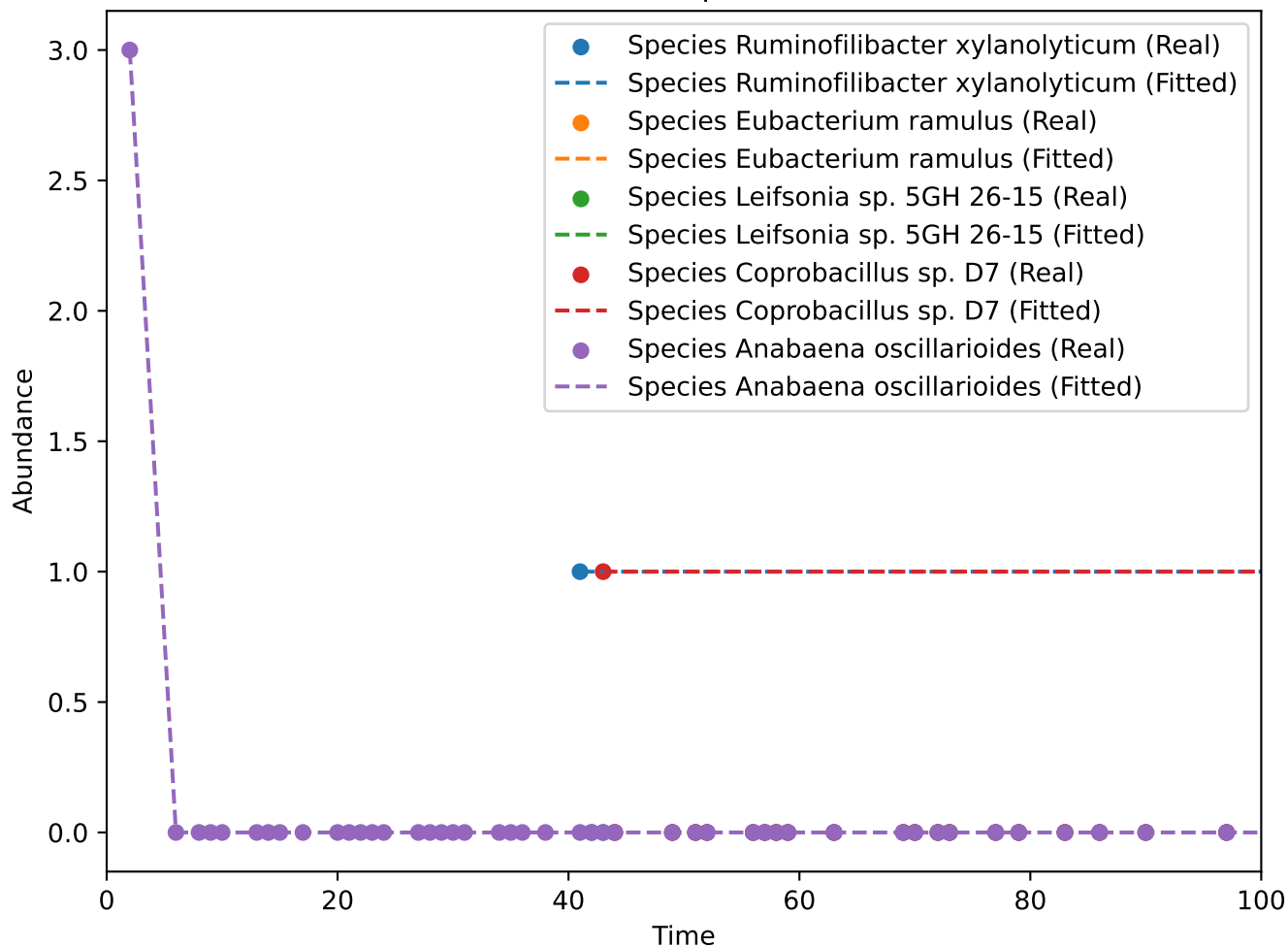
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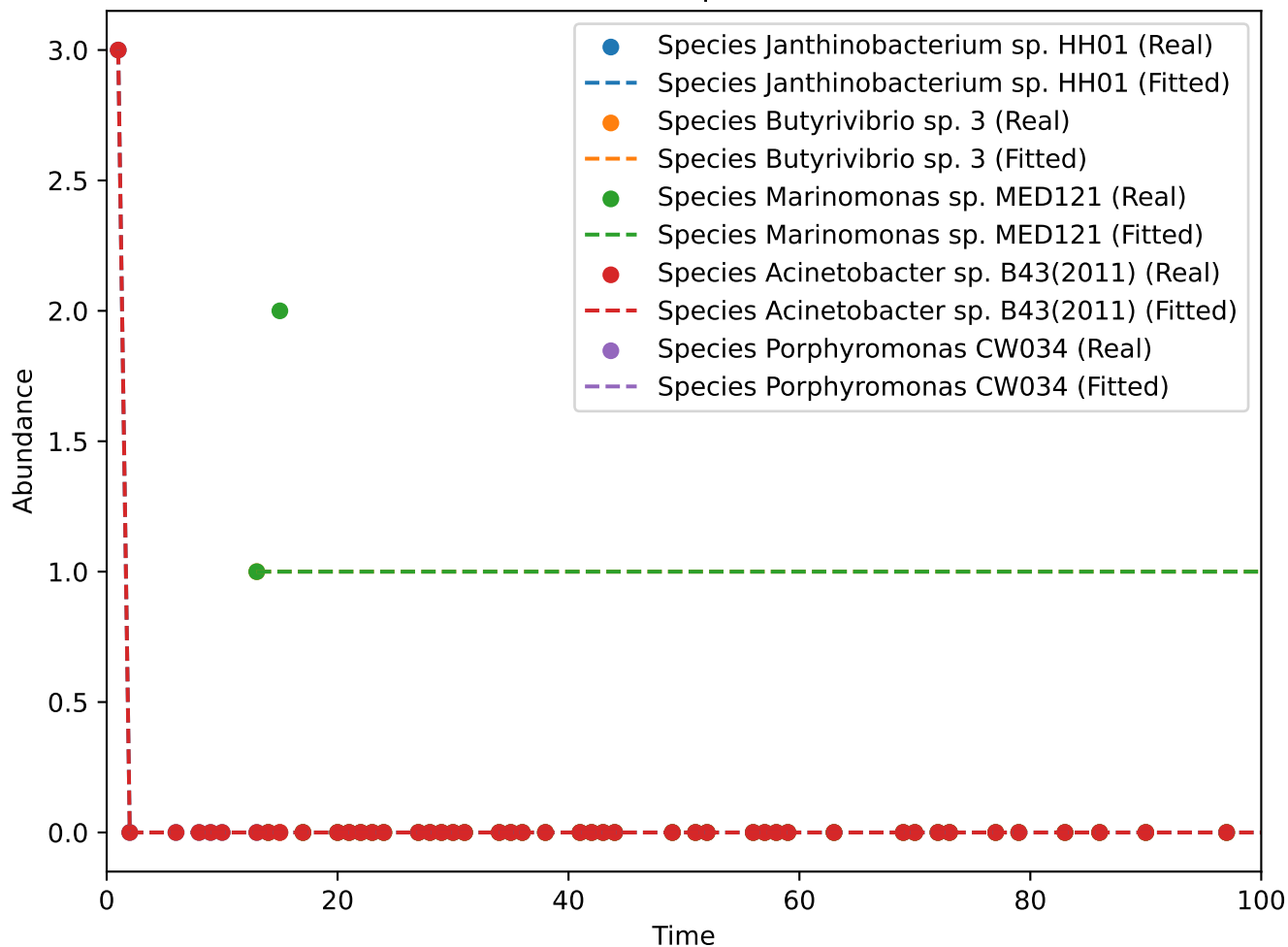
## Mouse 8 - Species Fit



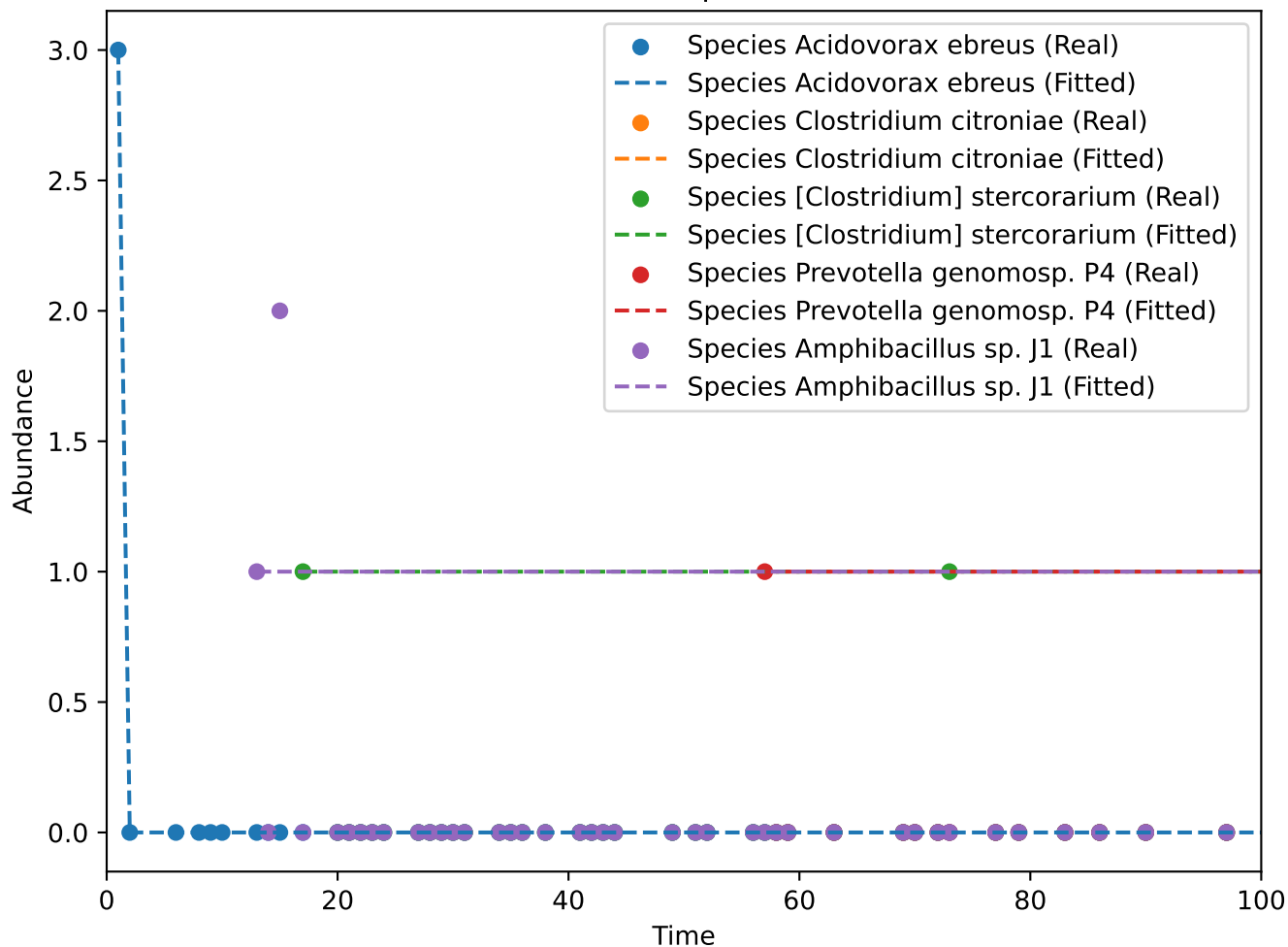
Mouse 8 - Species Fit



Mouse 8 - Species Fit

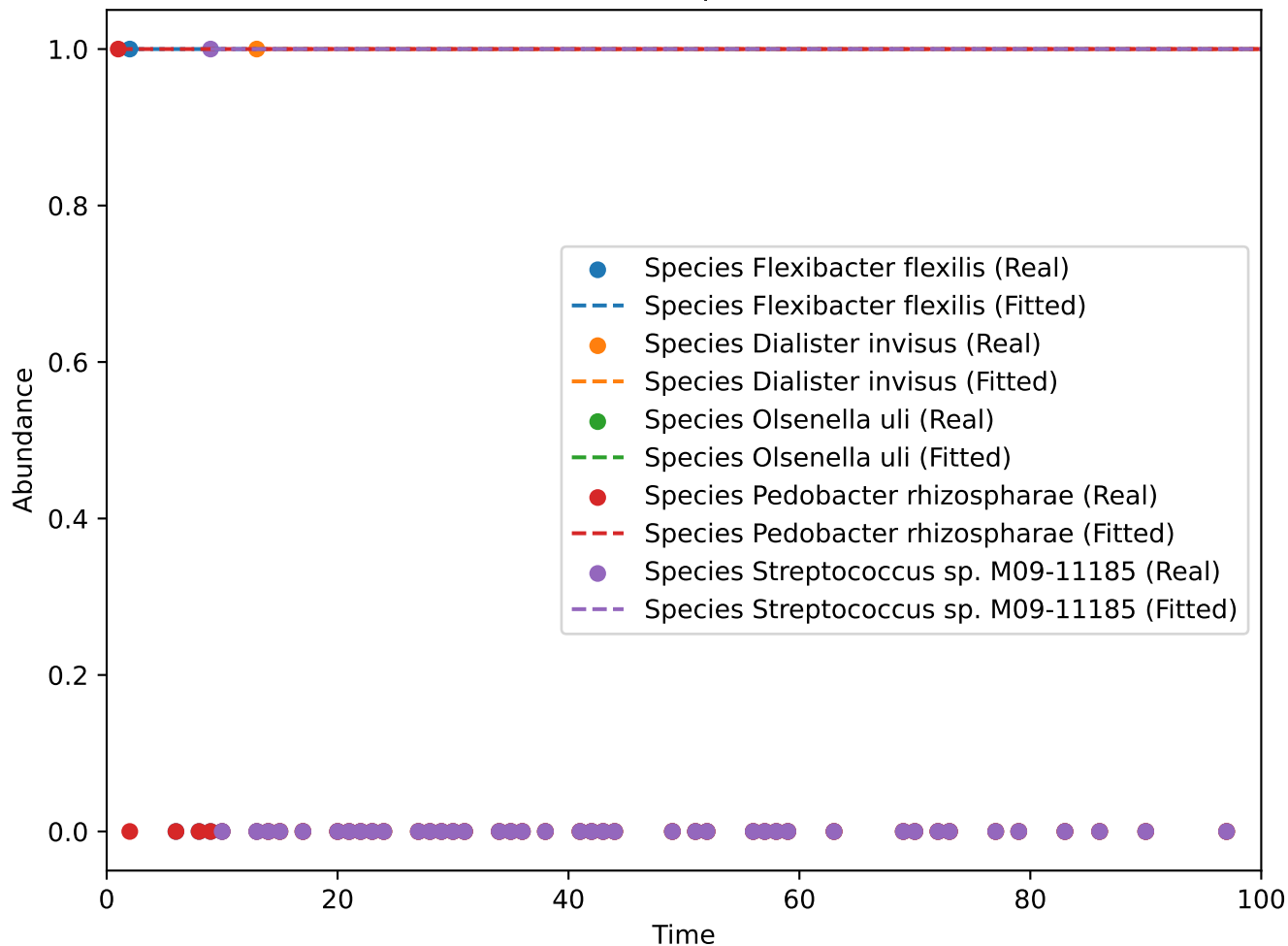


## Mouse 8 - Species Fit





Mouse 8 - Species Fit



Species Lactobacillus sp. NBRC 107227 (Real)

Species Lactobacillus sp. NBRC 107227 (Fitted)

Species Prevotella nigrescens (Real)

Species Prevotella nigrescens (Fitted)

Species Prevotella buccae (Real)

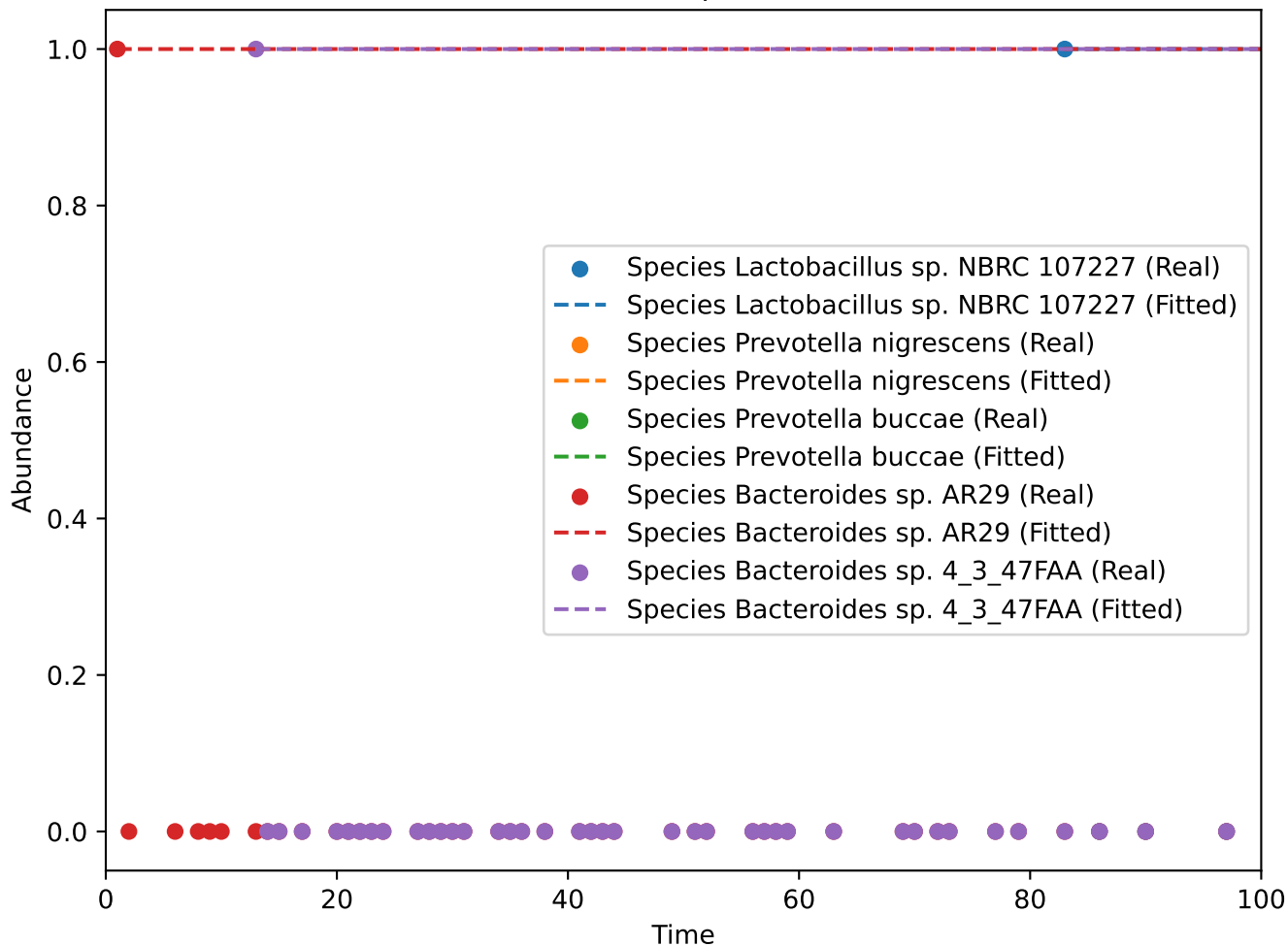
Species Prevotella buccae (Fitted)

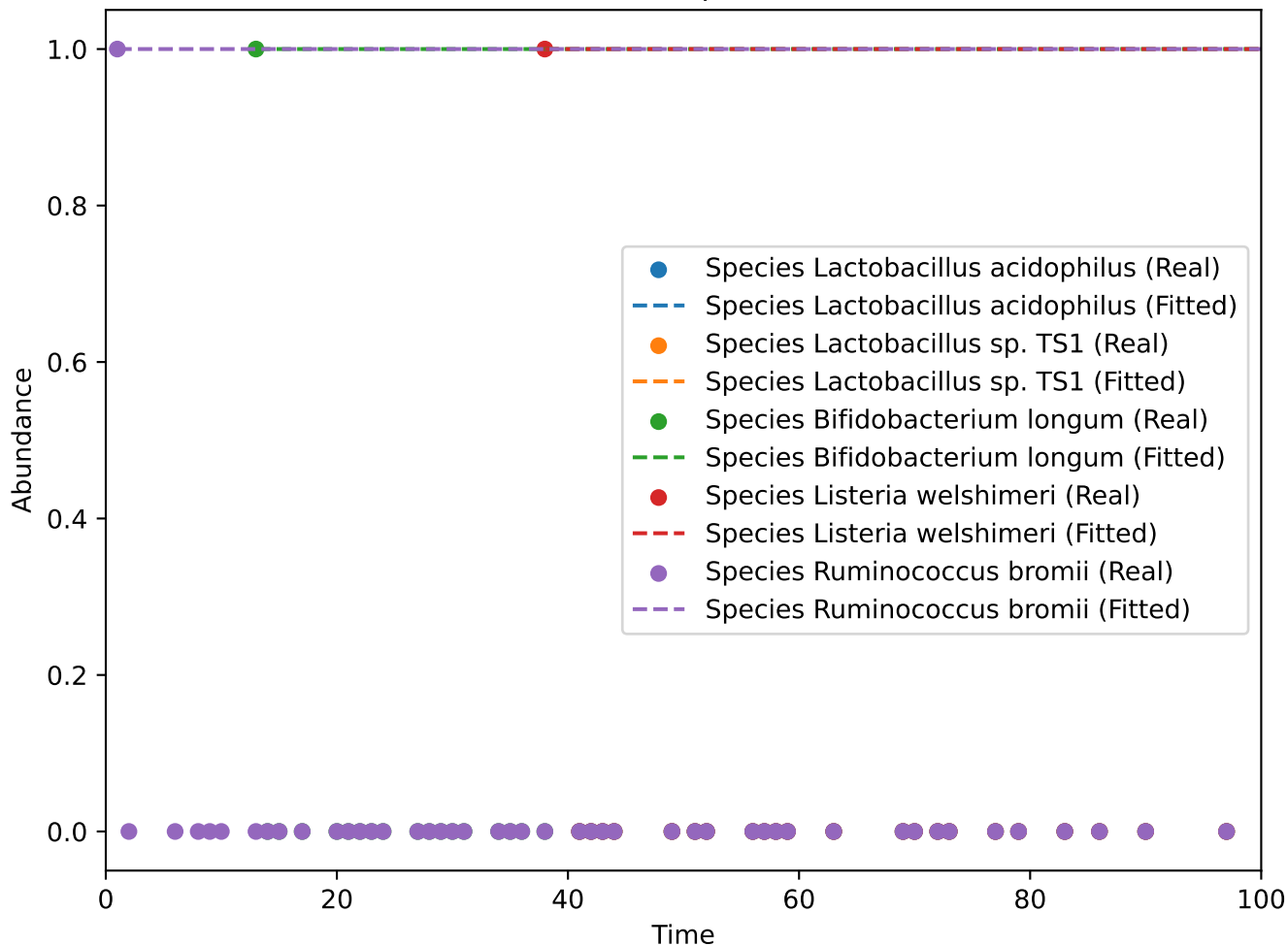
Species Bacteroides sp. AR29 (Real)

Species Bacteroides sp. AR29 (Fitted)

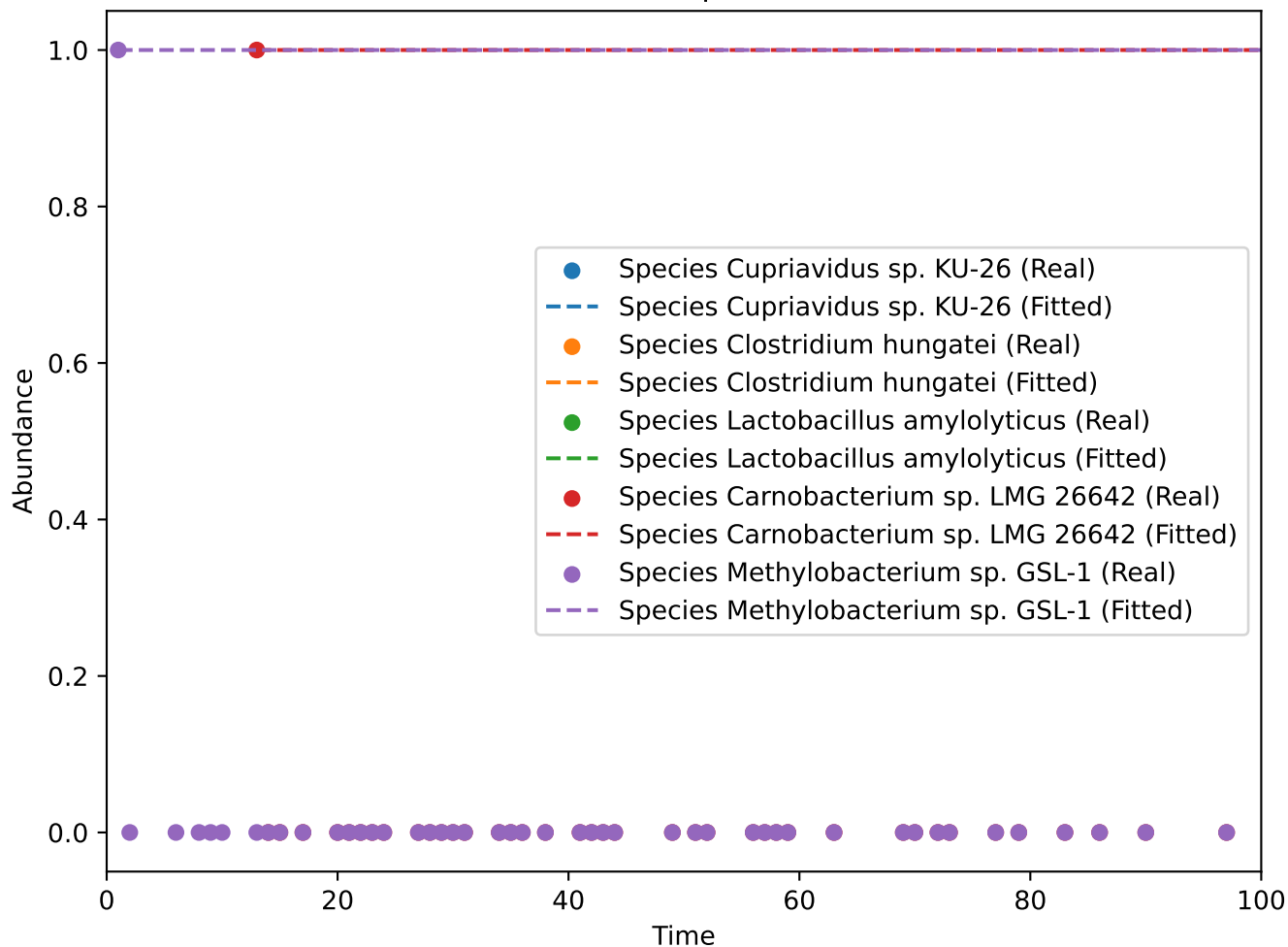
Species Bacteroides sp. 4\_3\_47FAA (Real)

Species Bacteroides sp. 4\_3\_47FAA (Fitted)

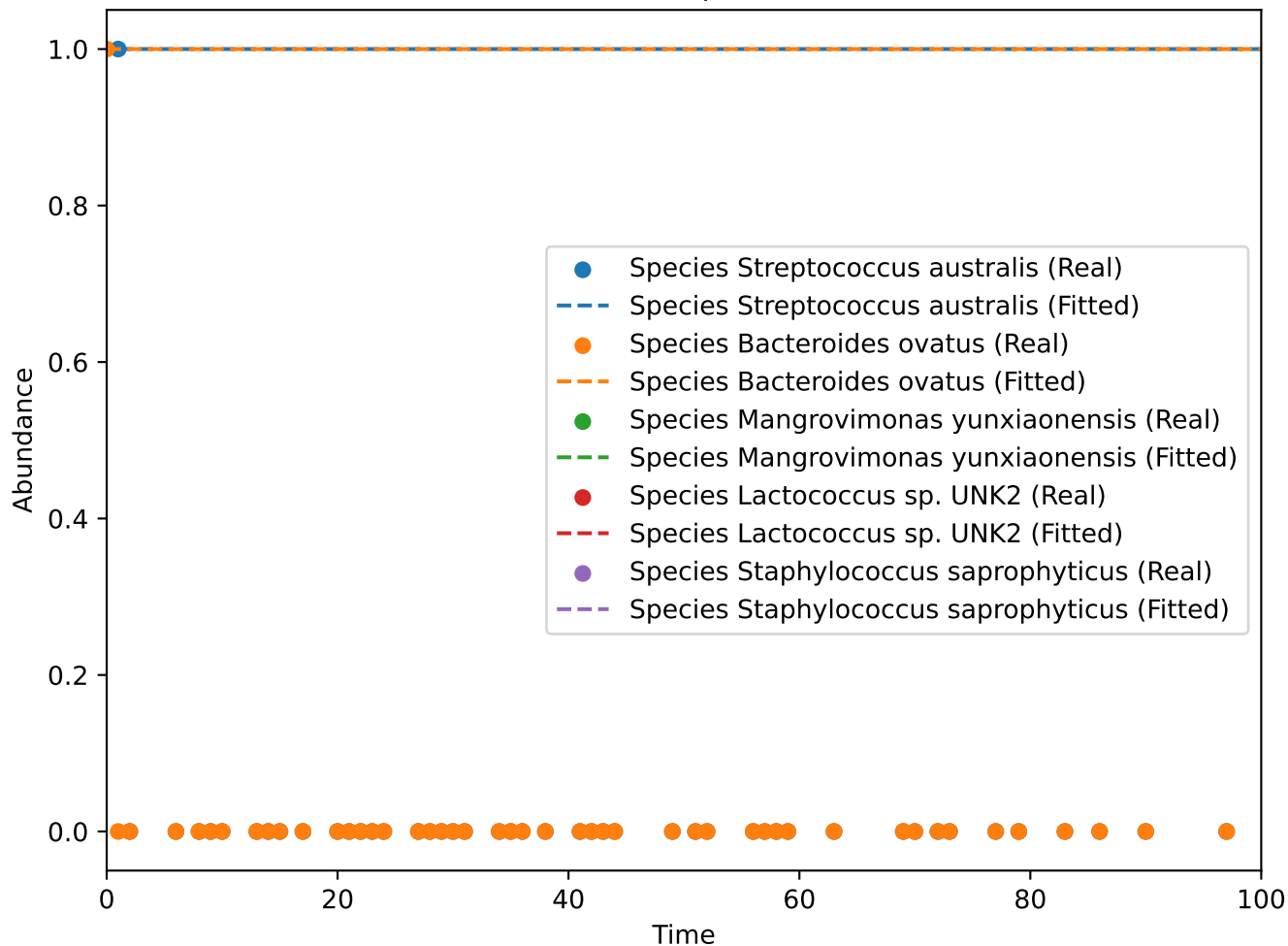




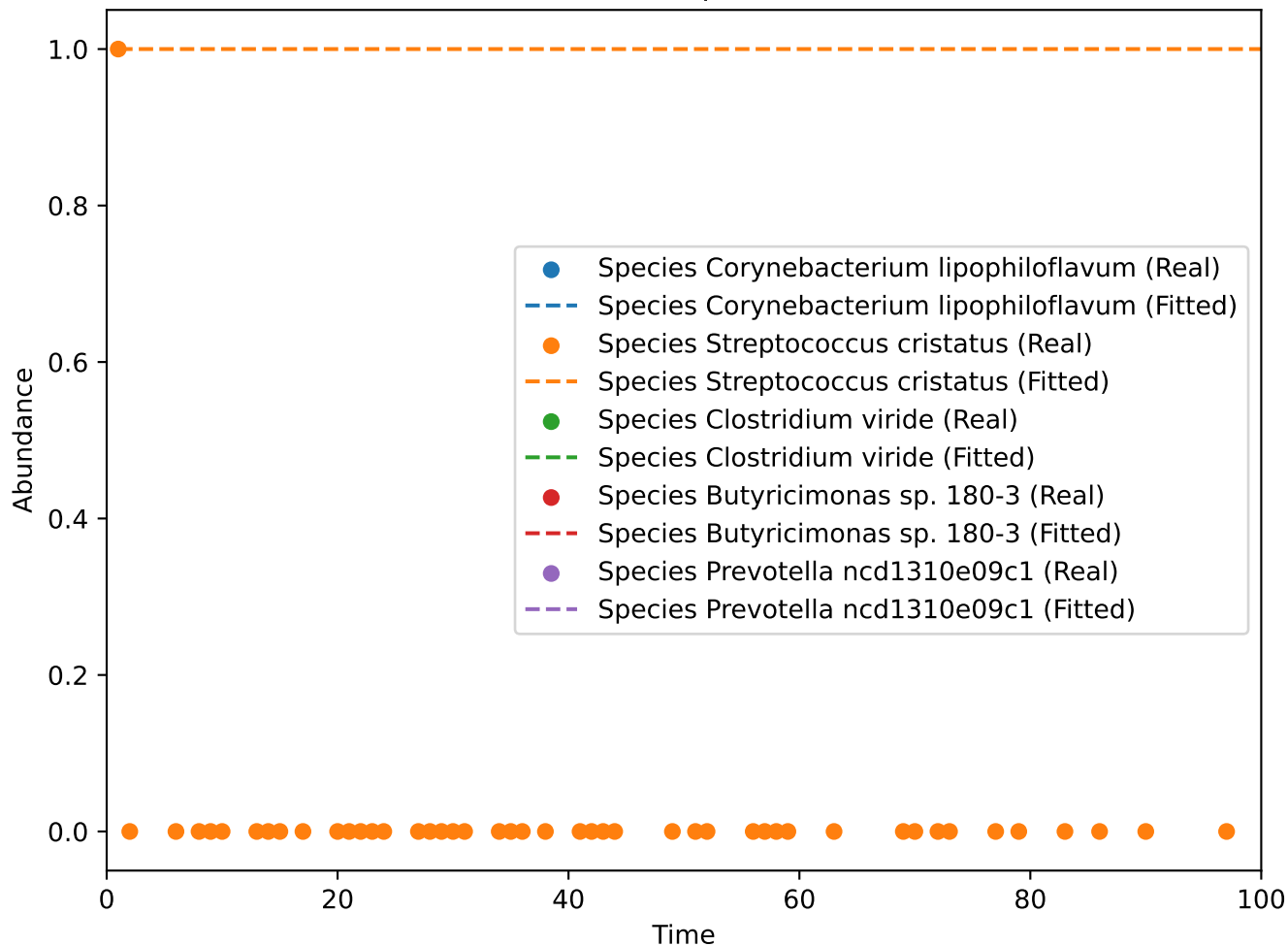
Mouse 8 - Species Fit



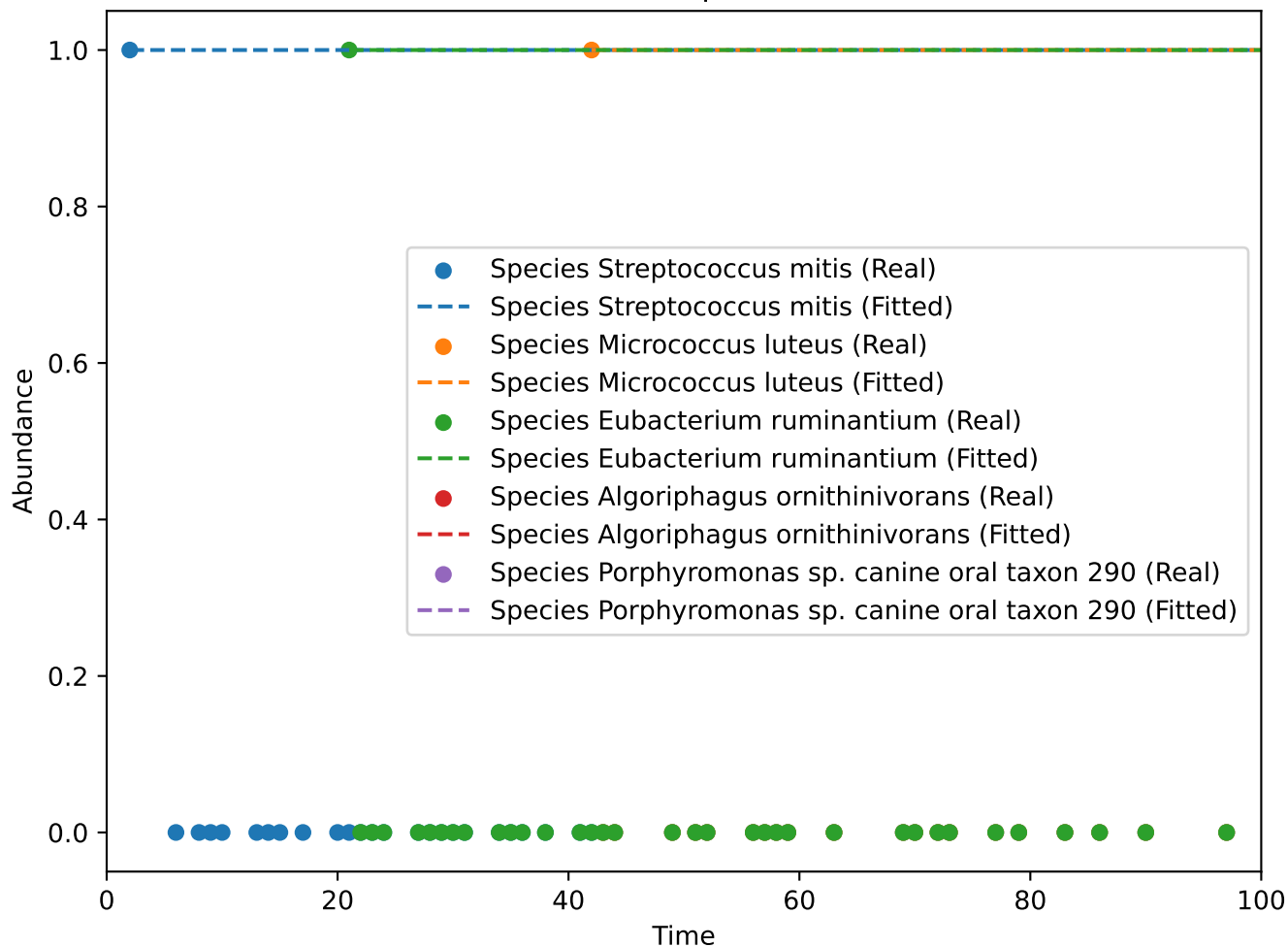
Mouse 8 - Species Fit



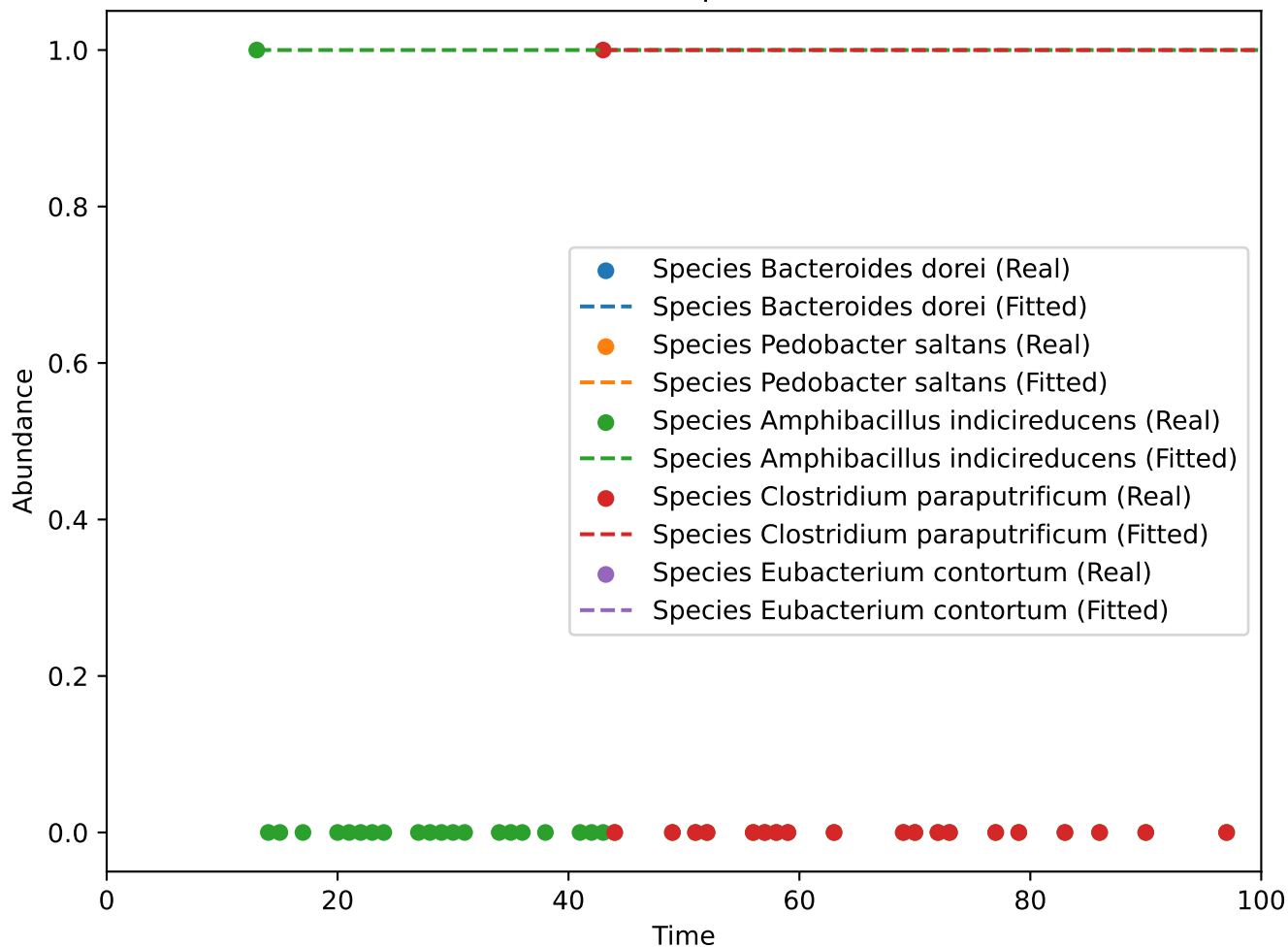
## Mouse 8 - Species Fit



Mouse 8 - Species Fit



Mouse 8 - Species Fit





Species Frigoribacterium sp. TSBY-18 (Real)

Species Frigoribacterium sp. TSBY-18 (Fitted)

Species Maribacter sp. HT7-2 (Real)

Species Maribacter sp. HT7-2 (Fitted)

Species Prevotella dentalis (Real)

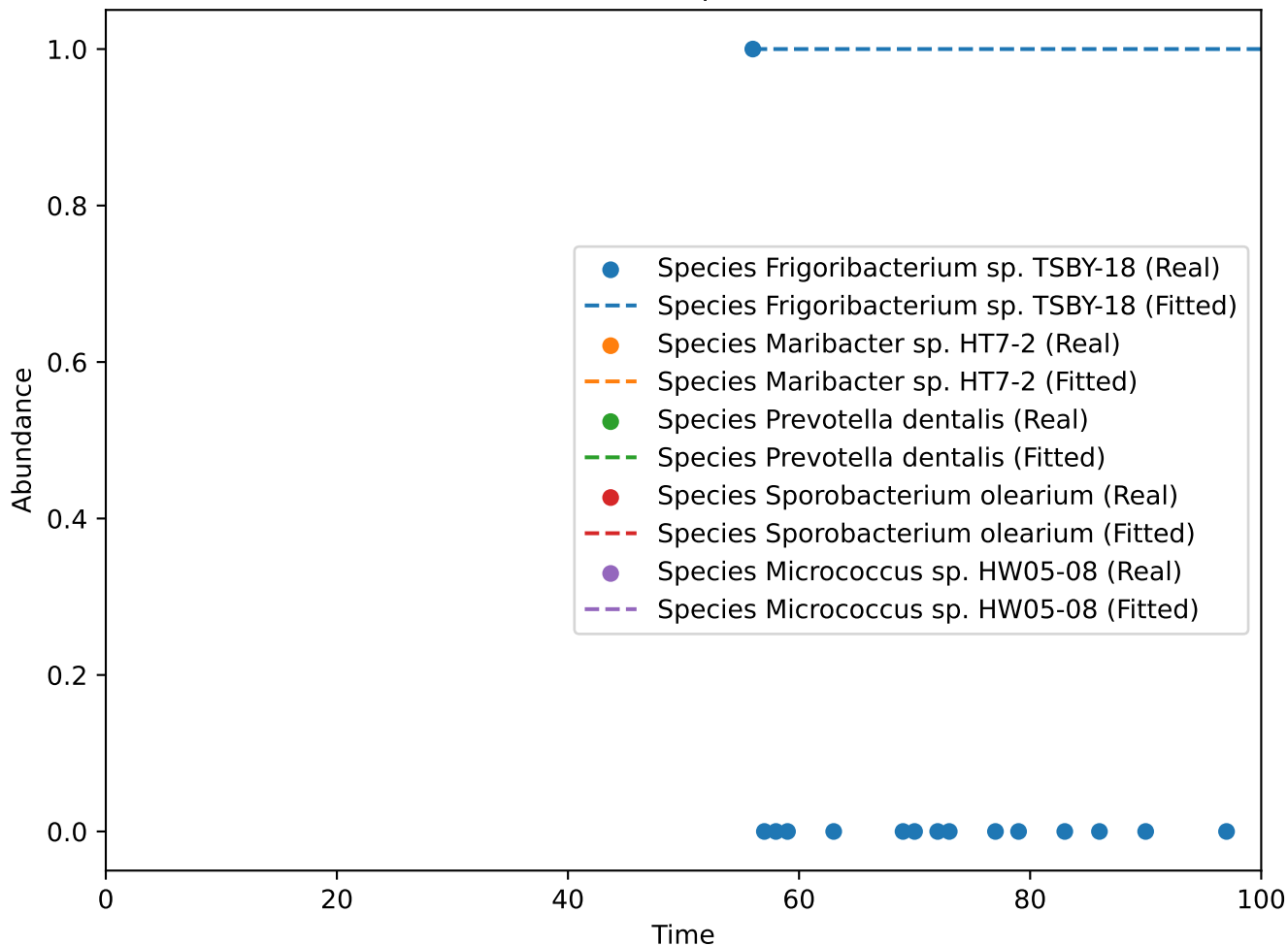
Species Prevotella dentalis (Fitted)

Species Sporobacterium olearium (Real)

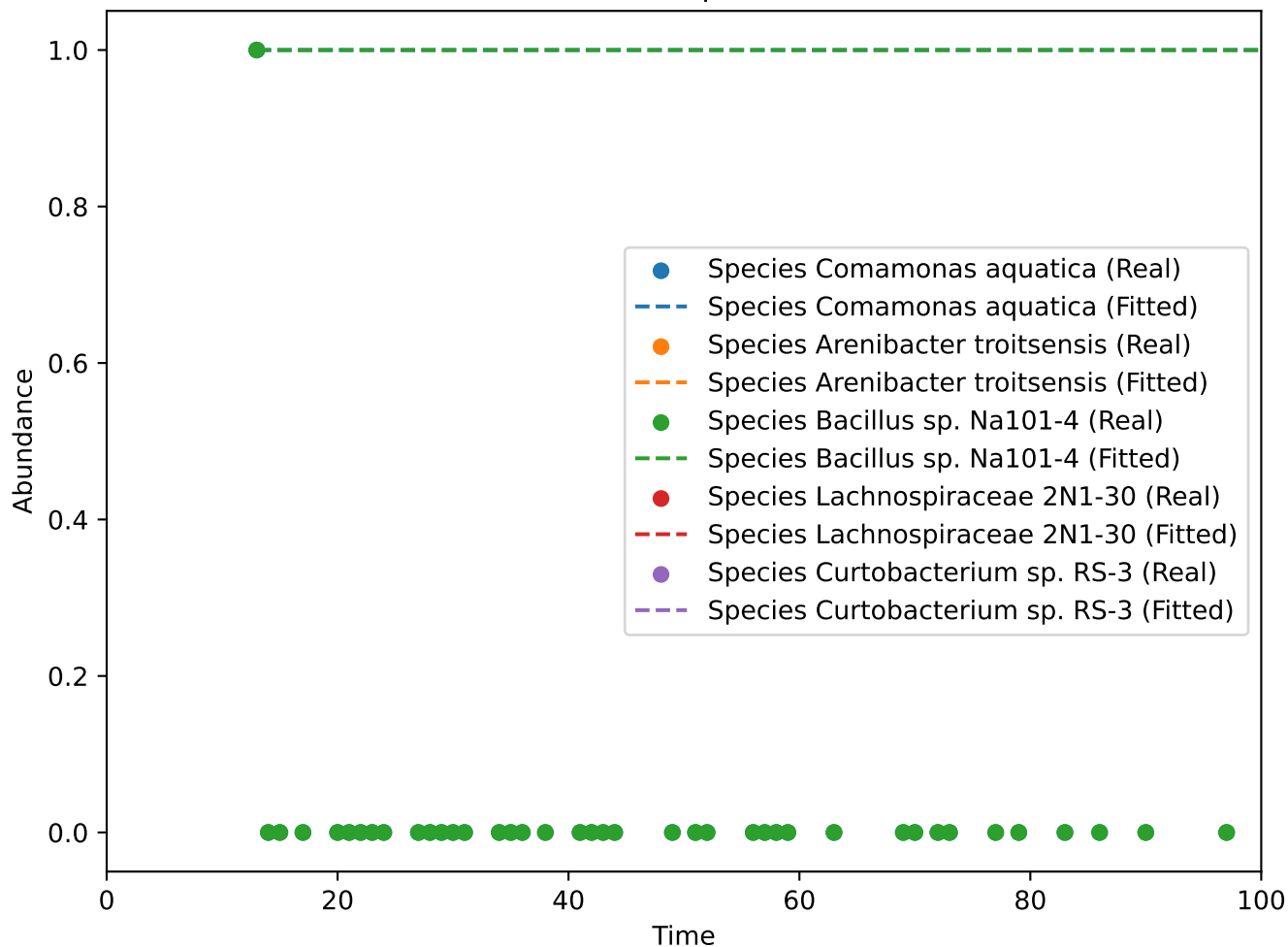
Species Sporobacterium olearium (Fitted)

Species Micrococcus sp. HW05-08 (Real)

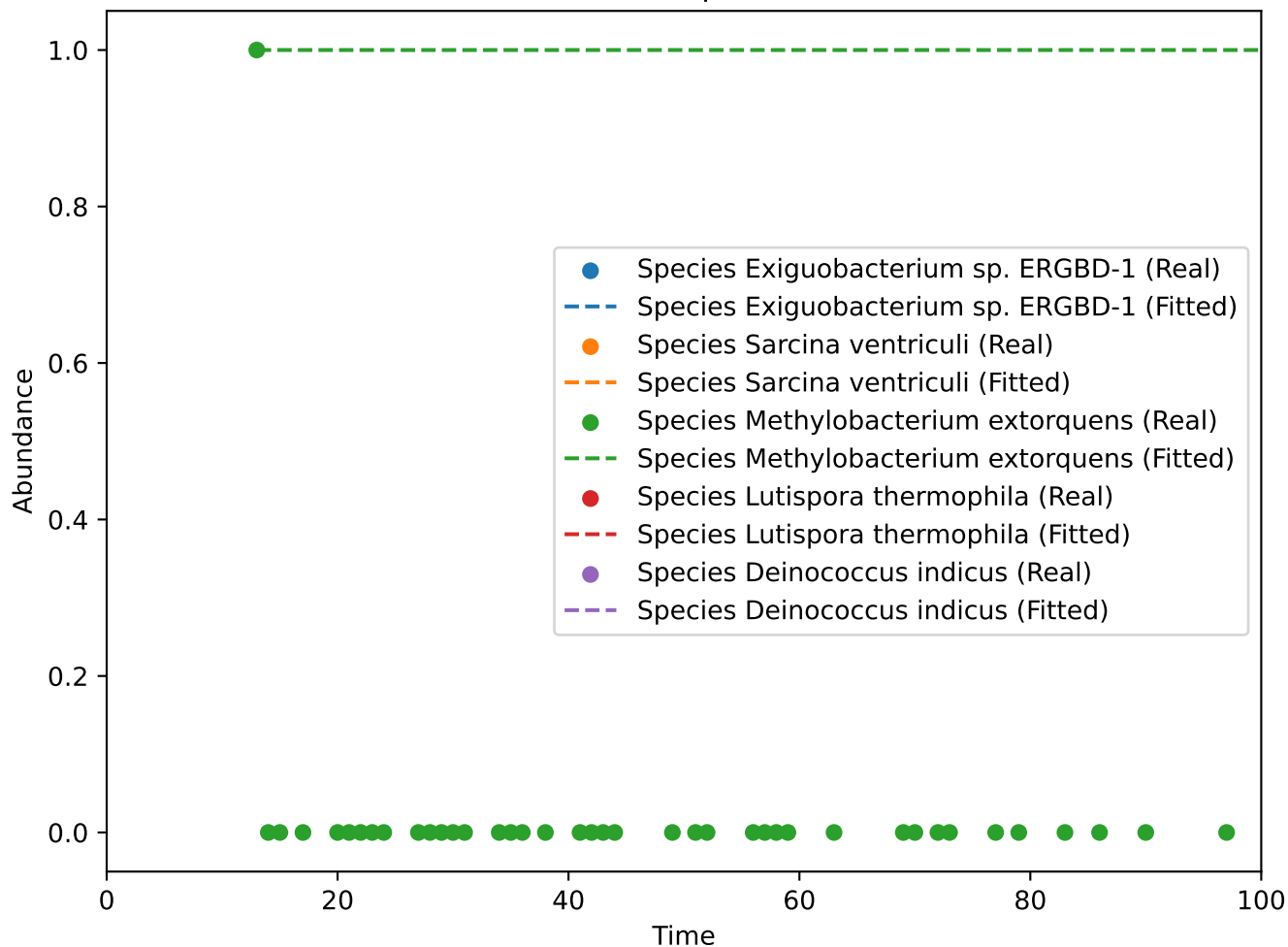
Species Micrococcus sp. HW05-08 (Fitted)



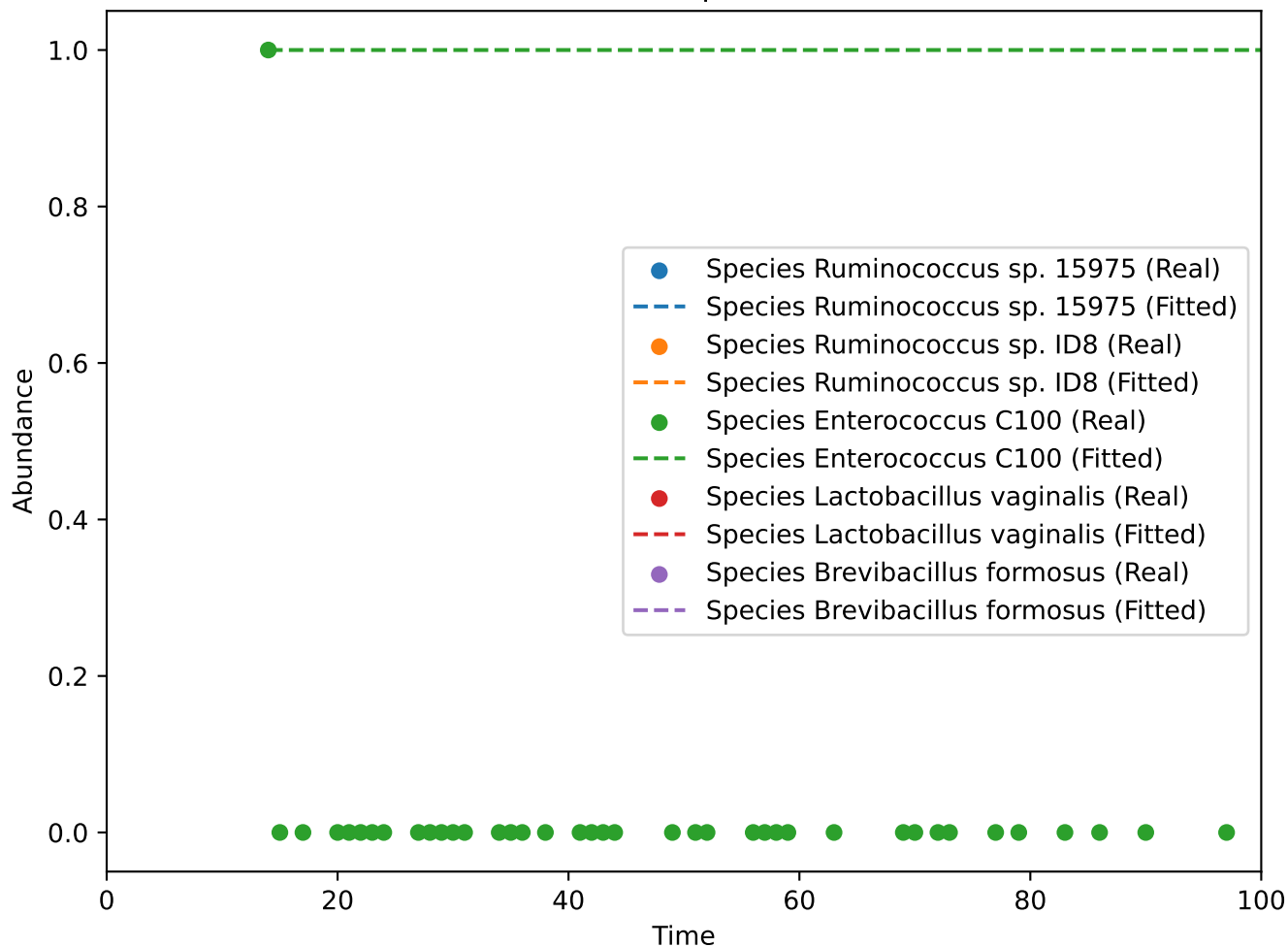
Mouse 8 - Species Fit



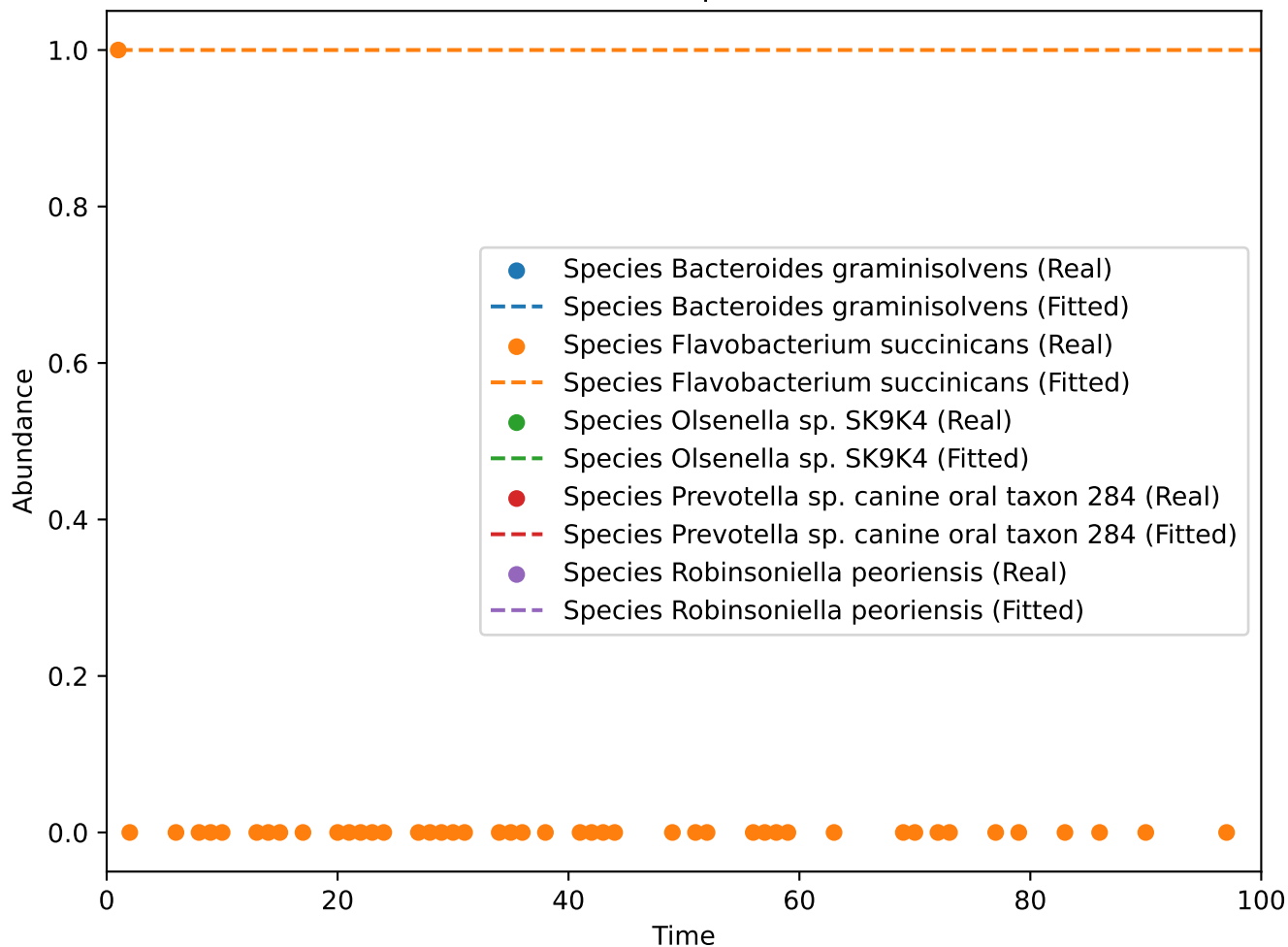
Mouse 8 - Species Fit

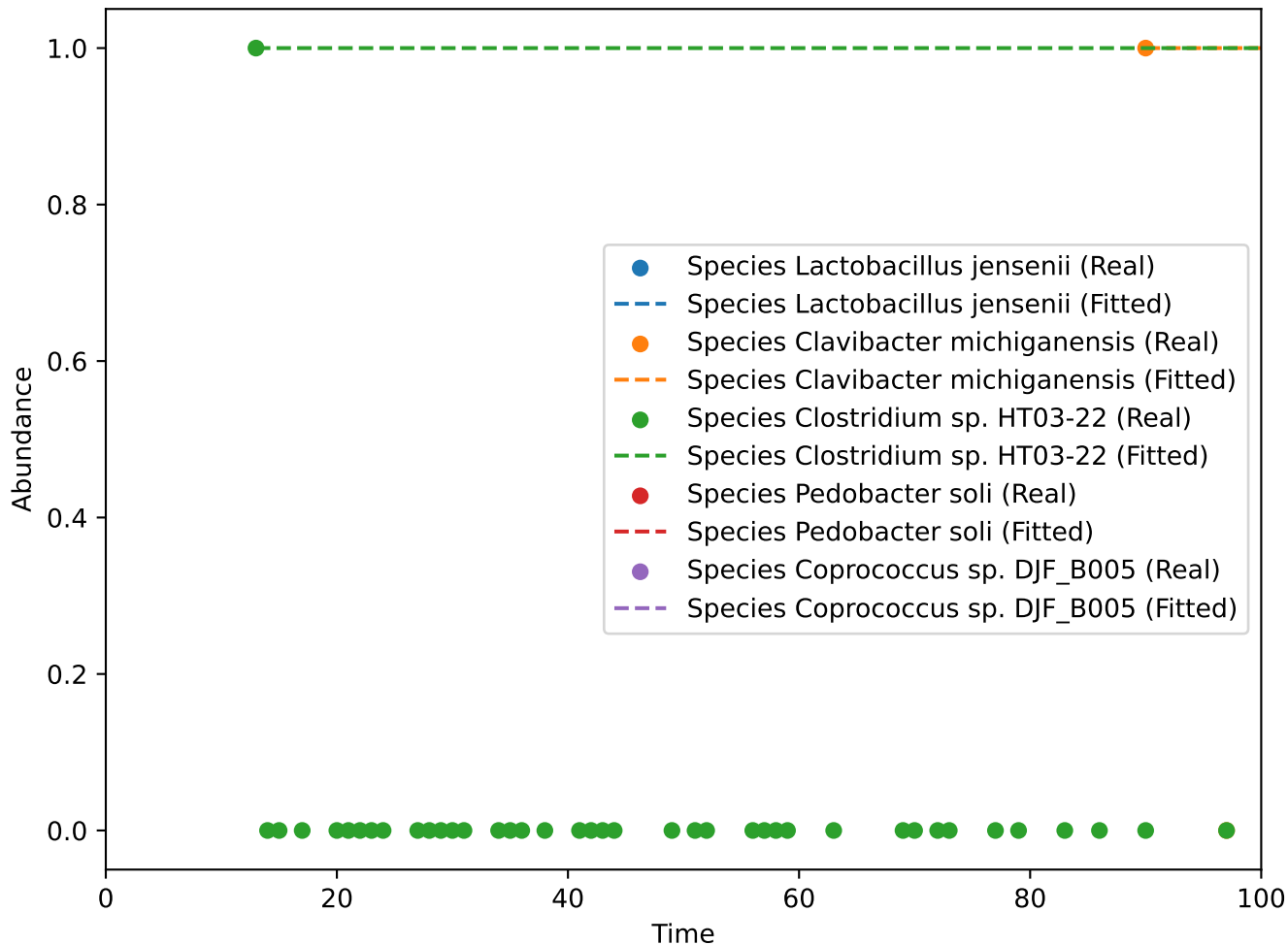


Mouse 8 - Species Fit



## Mouse 8 - Species Fit





Species Clostridium cellulolyticum (Real)

Species Clostridium cellulolyticum (Fitted)

Species Cytophaga hutchinsonii (Real)

Species Cytophaga hutchinsonii (Fitted)

Species Lachnobacterium bovis (Real)

Species Lachnobacterium bovis (Fitted)

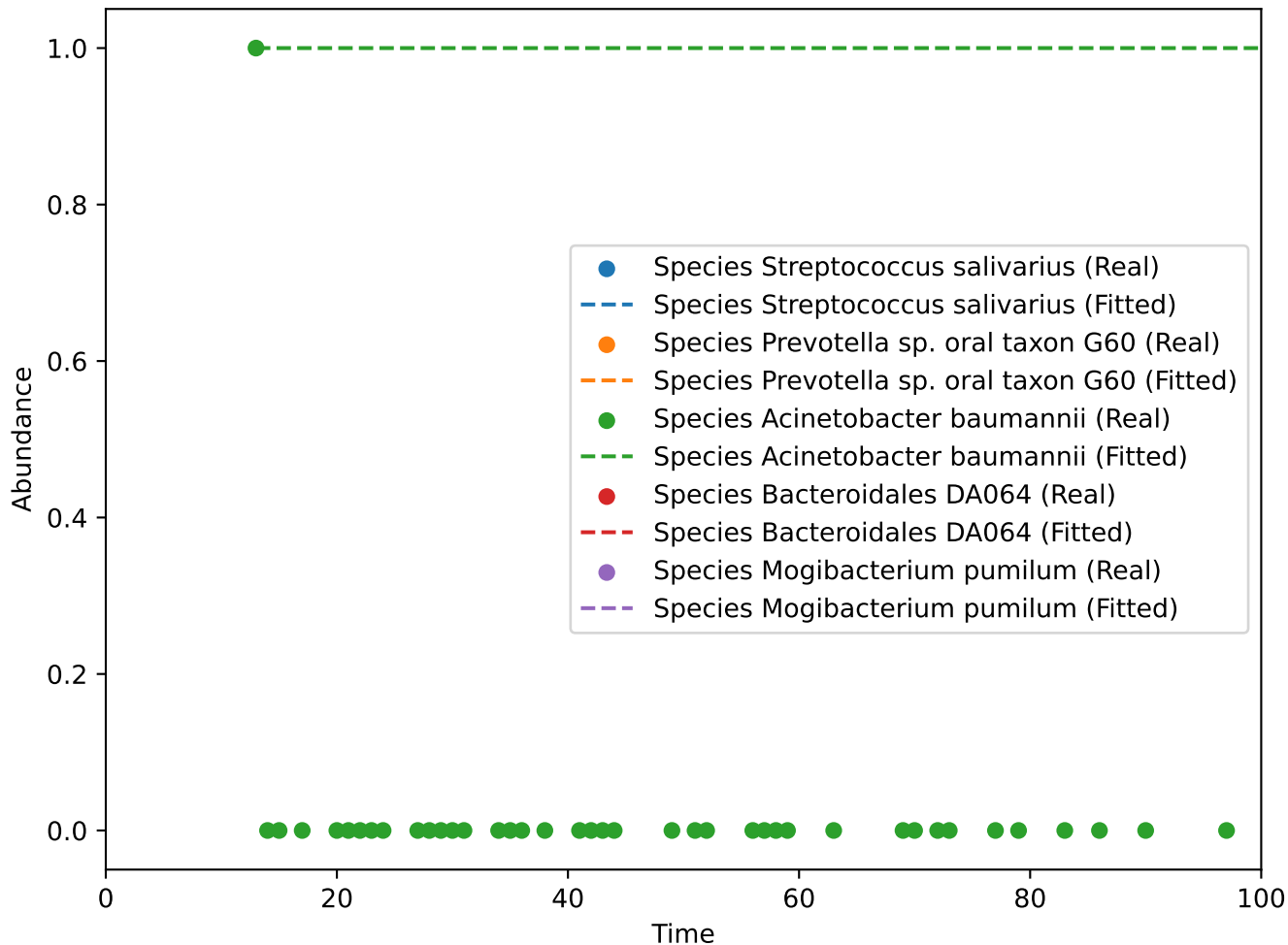
Species Rhodospirillum rubrum (Real)

Species Rhodospirillum rubrum (Fitted)

Species Clostridium nexile (Real)

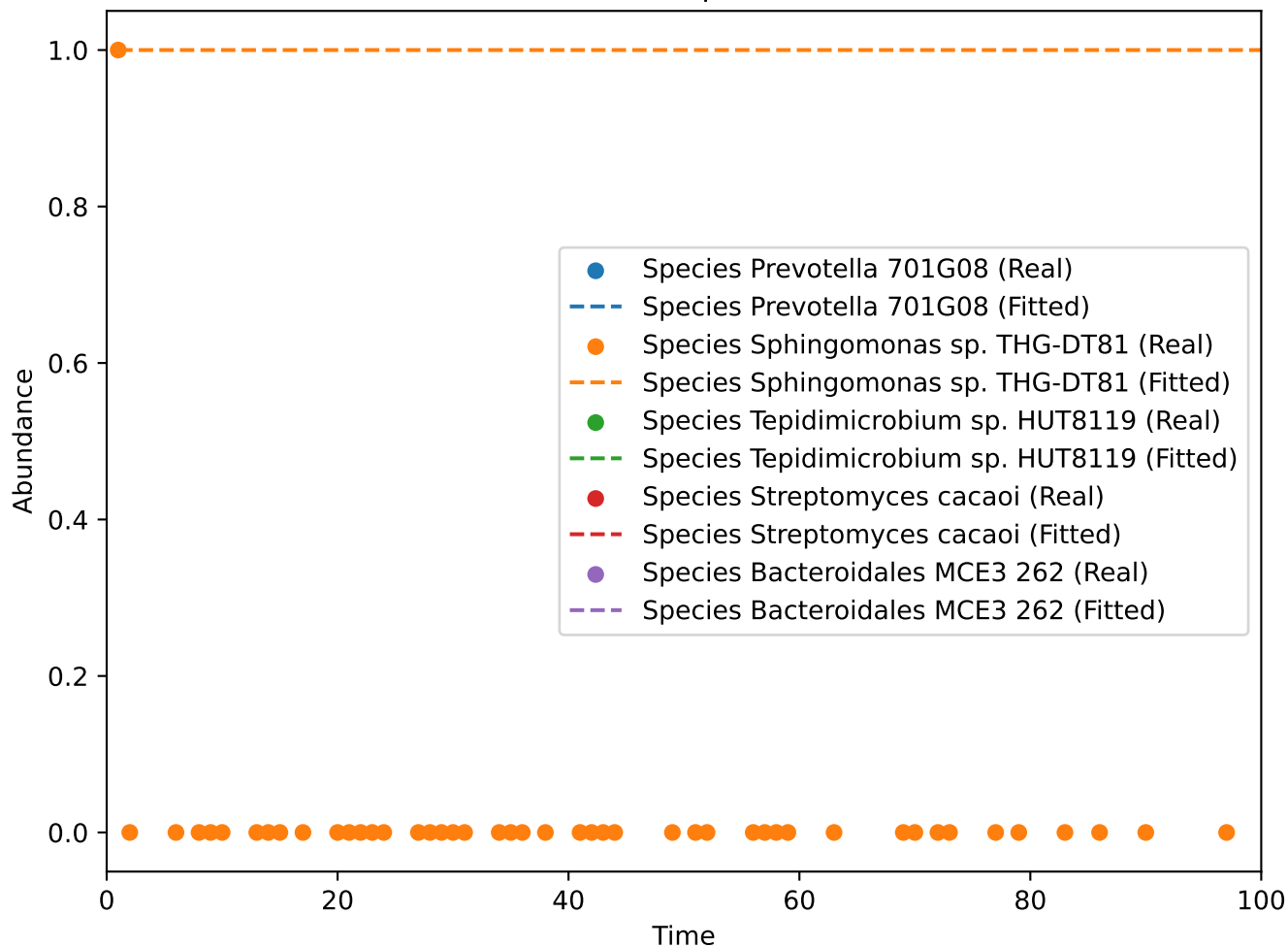
Species Clostridium nexile (Fitted)

0                      20                      40                      60                      80                      100





Mouse 8 - Species Fit



Species Bifidobacterium angulatum (Real)

Species Bifidobacterium angulatum (Fitted)

Species [Clostridium] sordellii (Real)

Species [Clostridium] sordellii (Fitted)

Species Aeromonas hydrophila (Real)

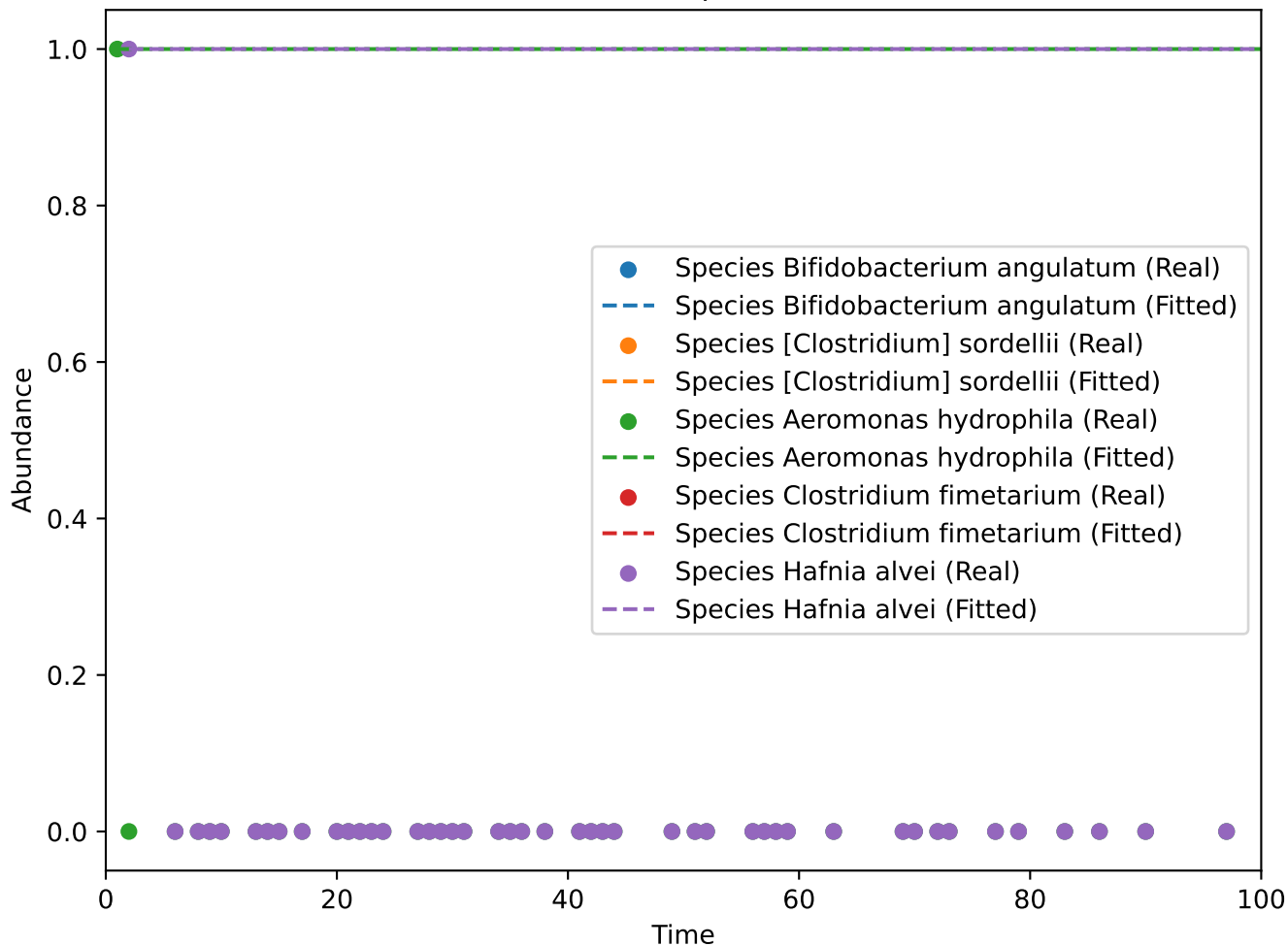
Species Aeromonas hydrophila (Fitted)

Species Clostridium fimetarium (Real)

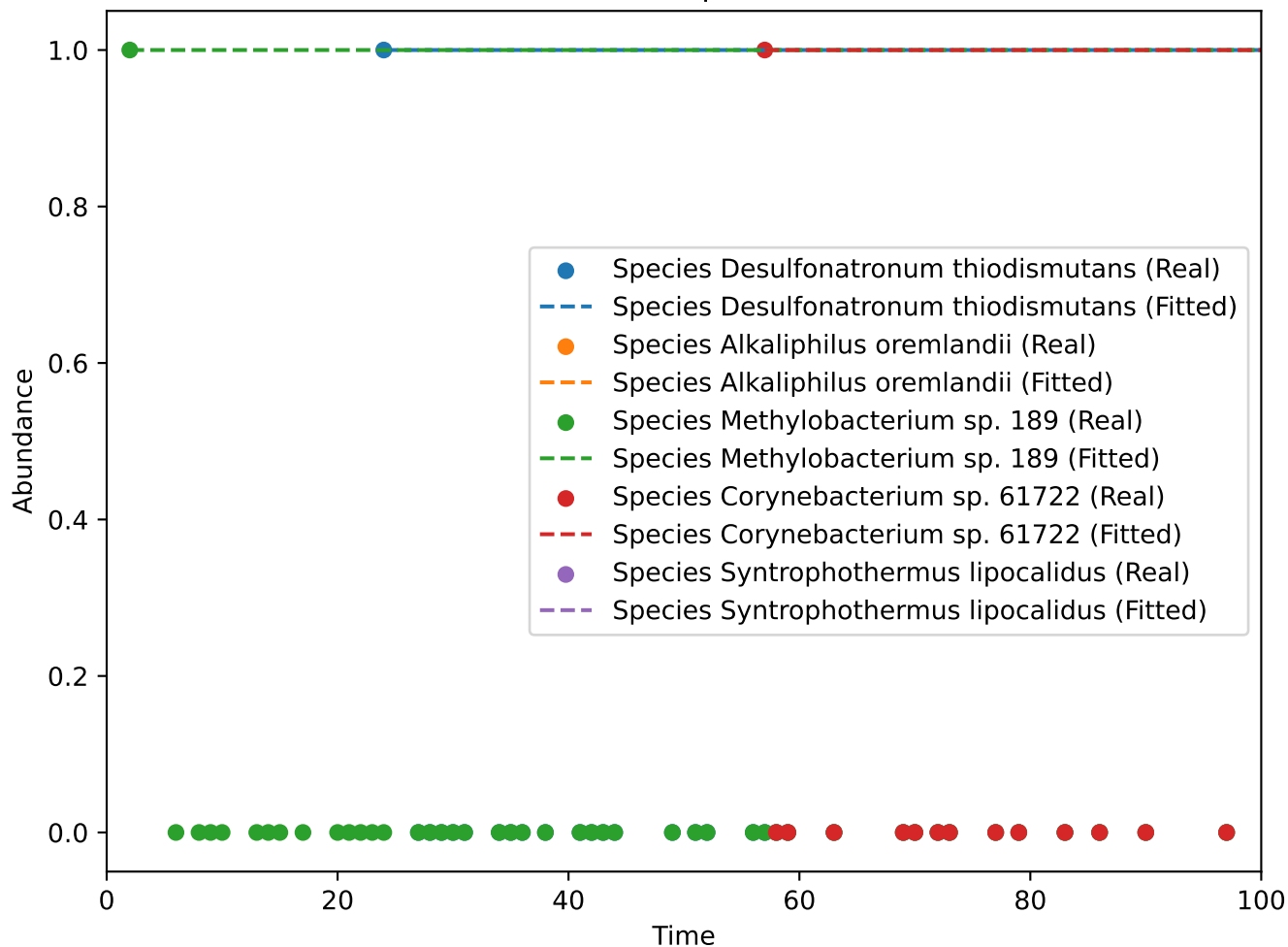
Species Clostridium fimetarium (Fitted)

Species Hafnia alvei (Real)

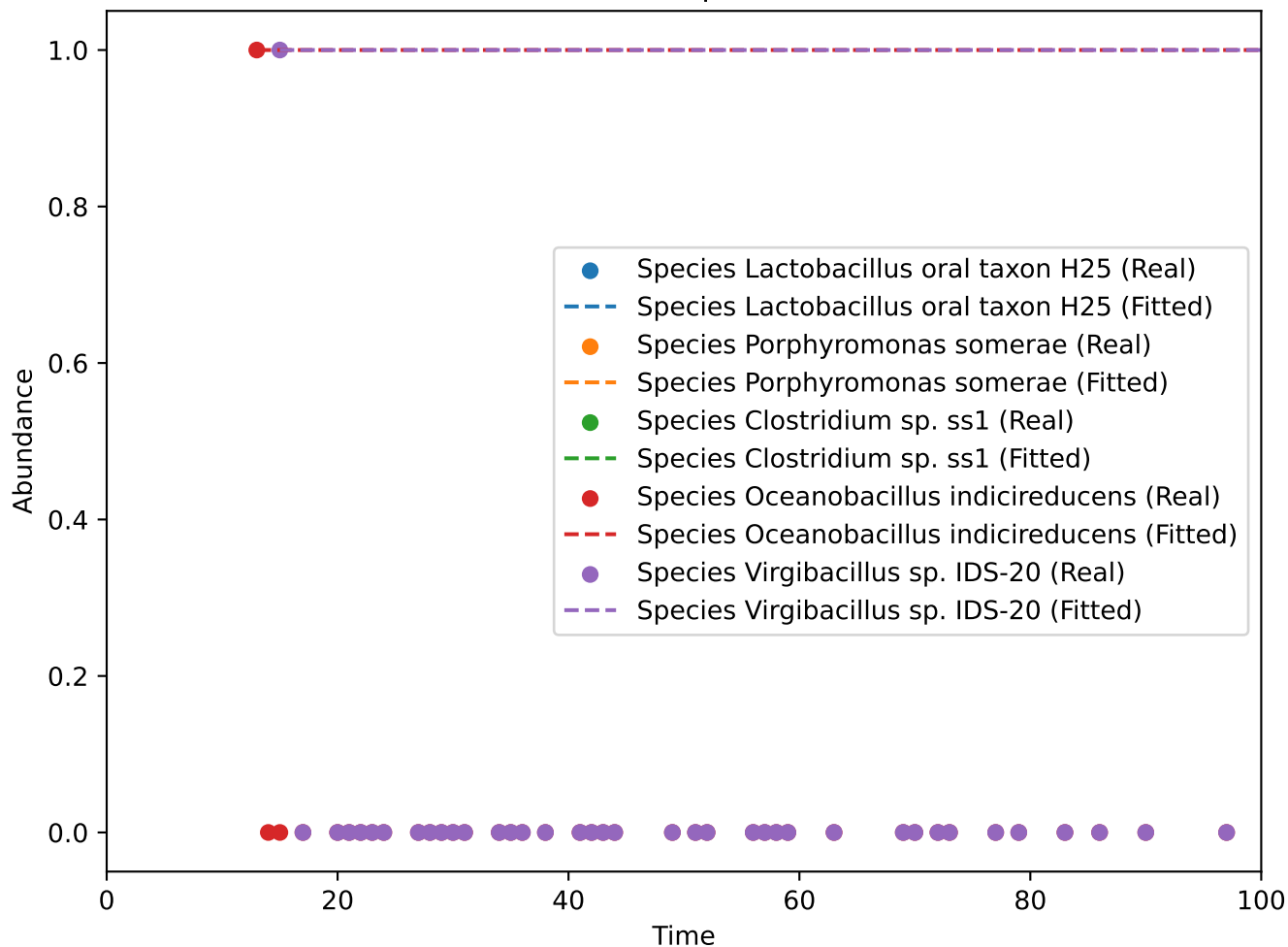
Species Hafnia alvei (Fitted)

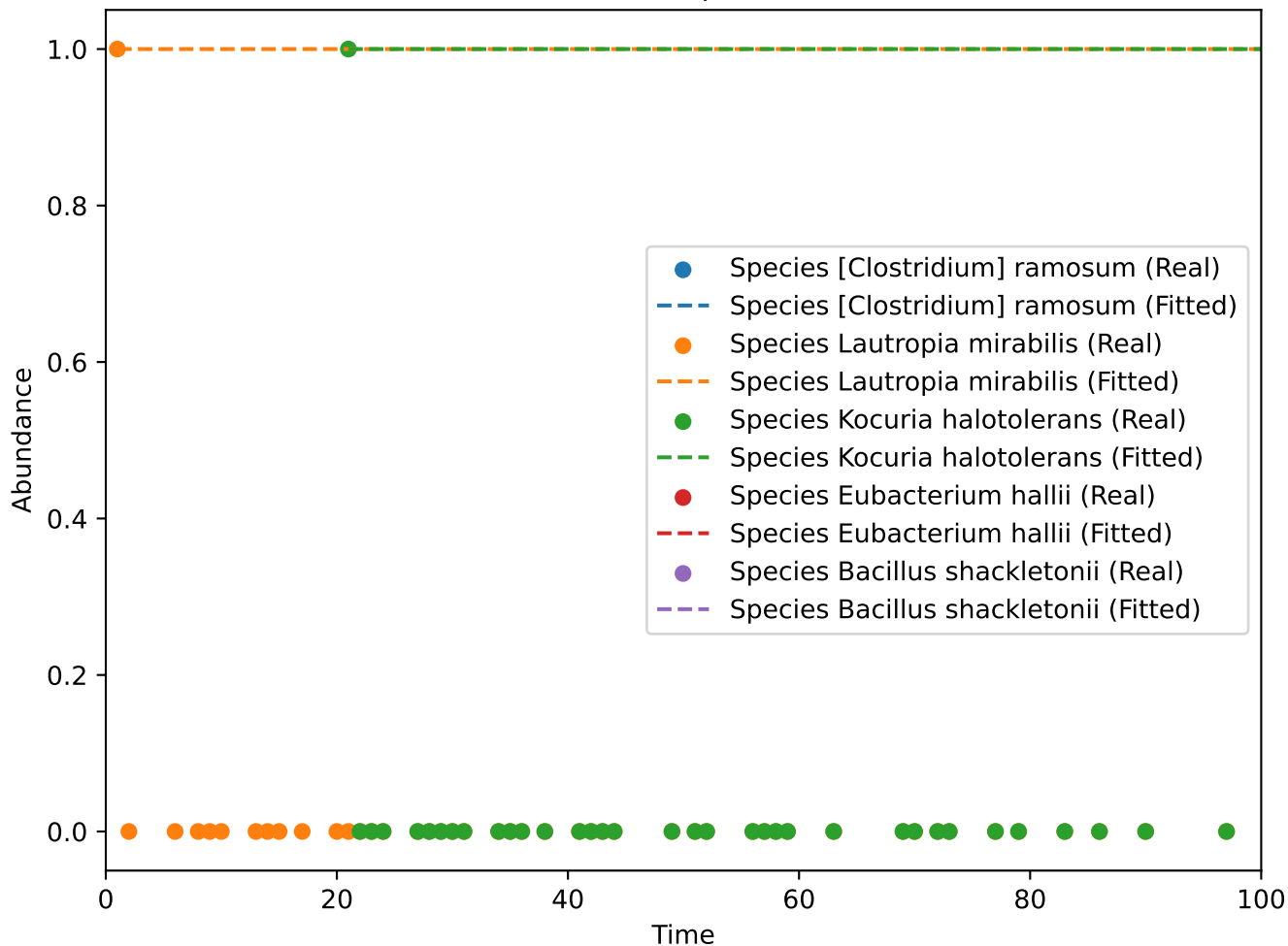


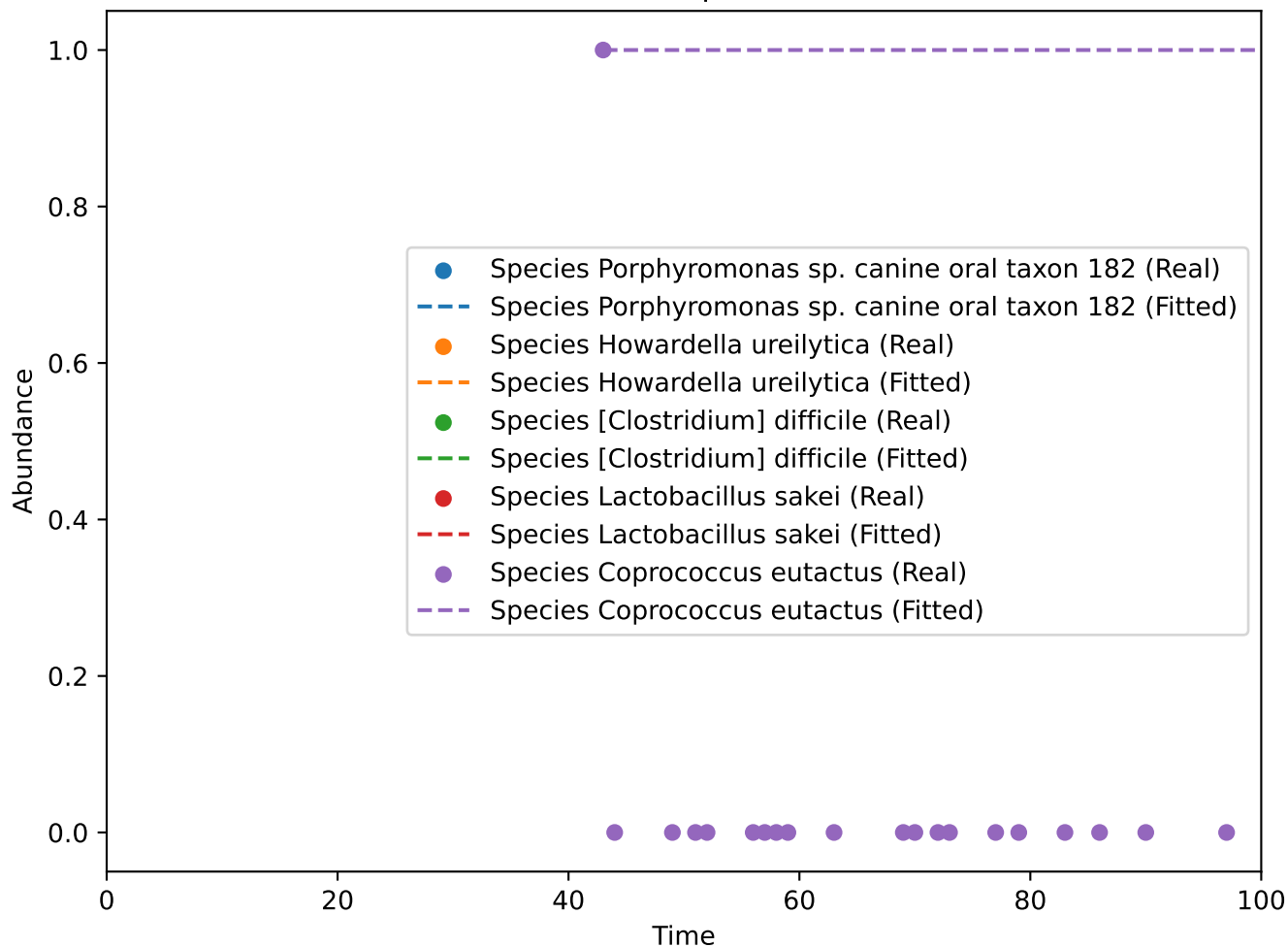
Mouse 8 - Species Fit



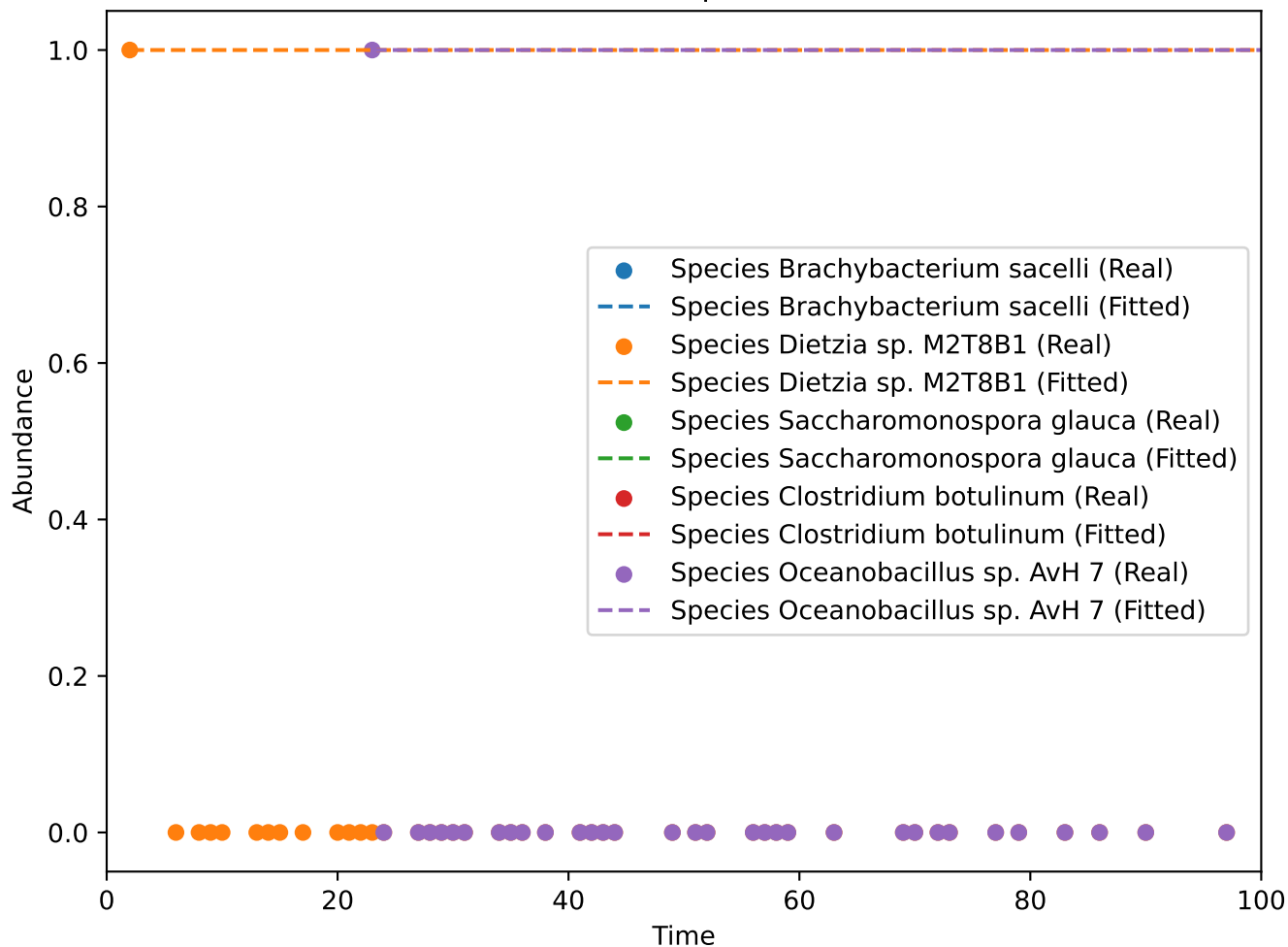
Mouse 8 - Species Fit



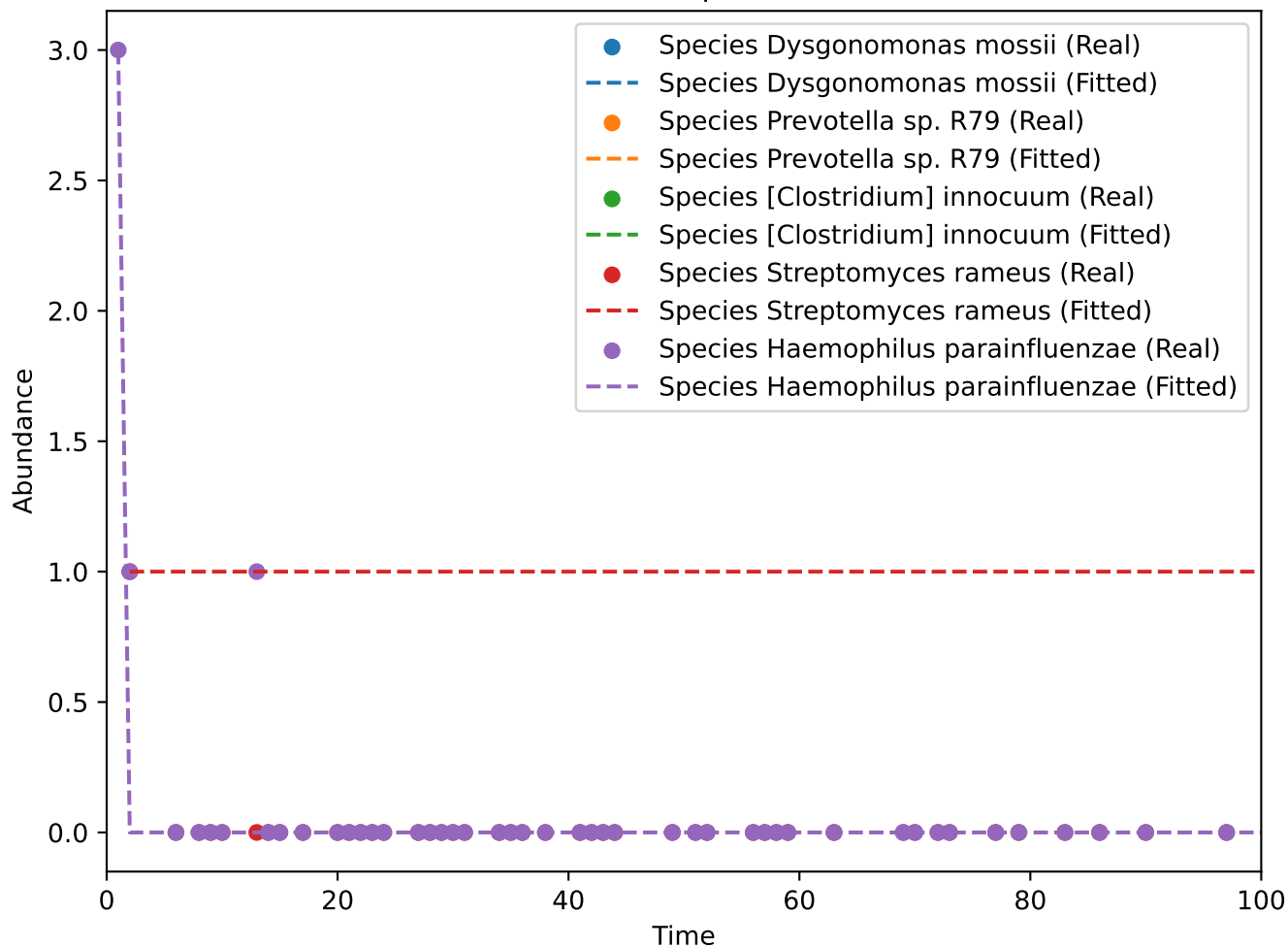


[illegible]

Mouse 8 - Species Fit

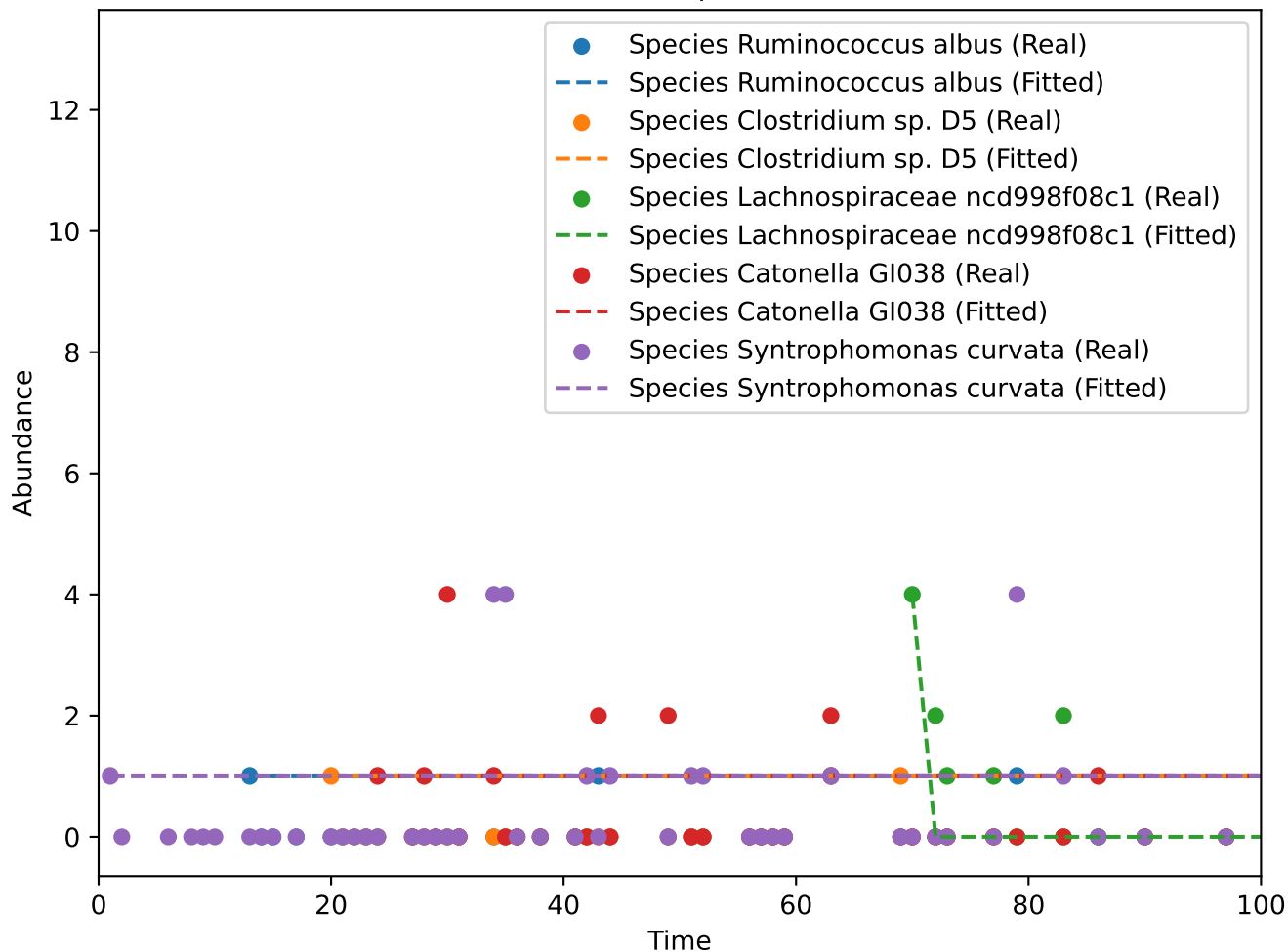


Mouse 8 - Species Fit

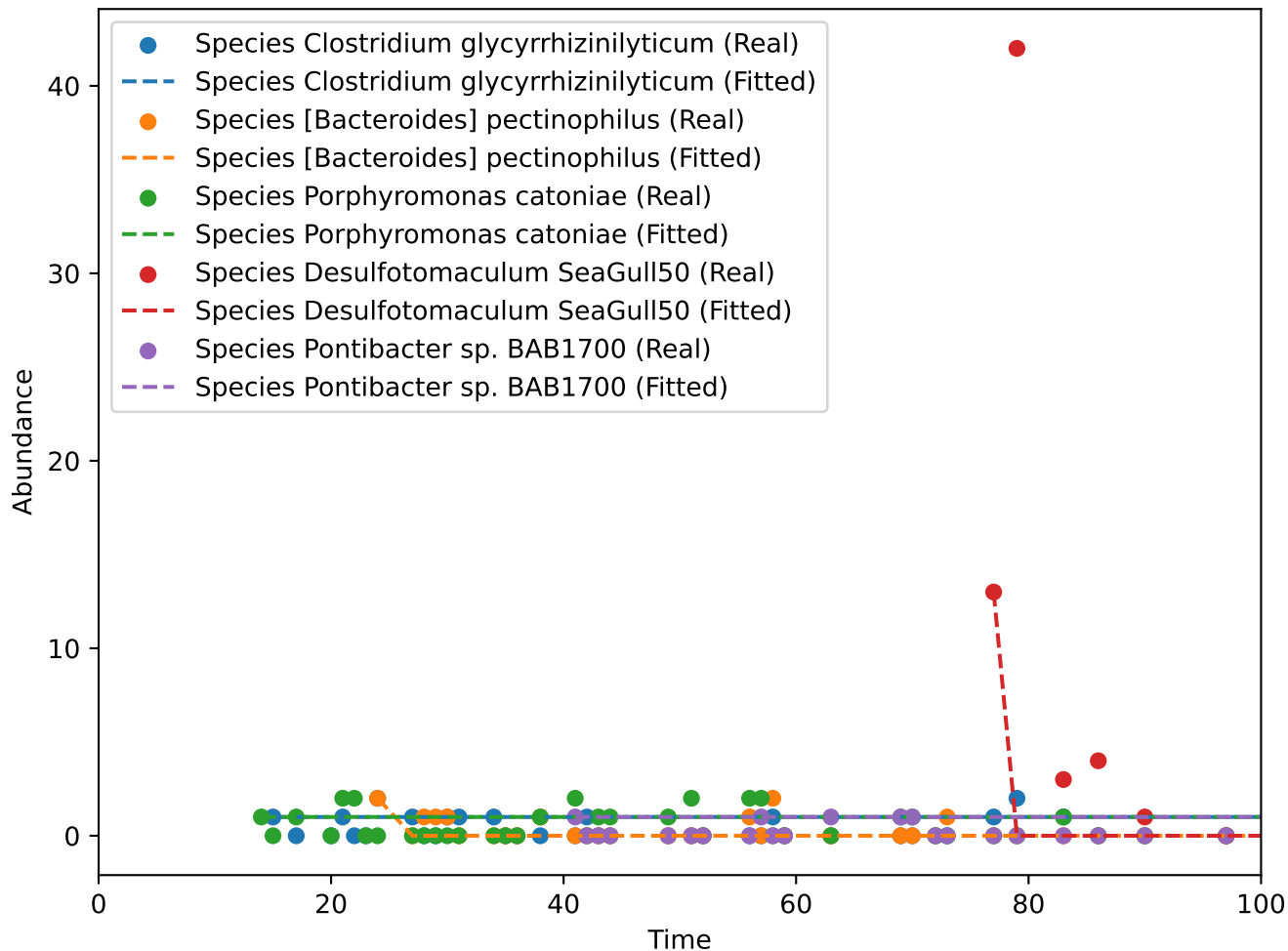




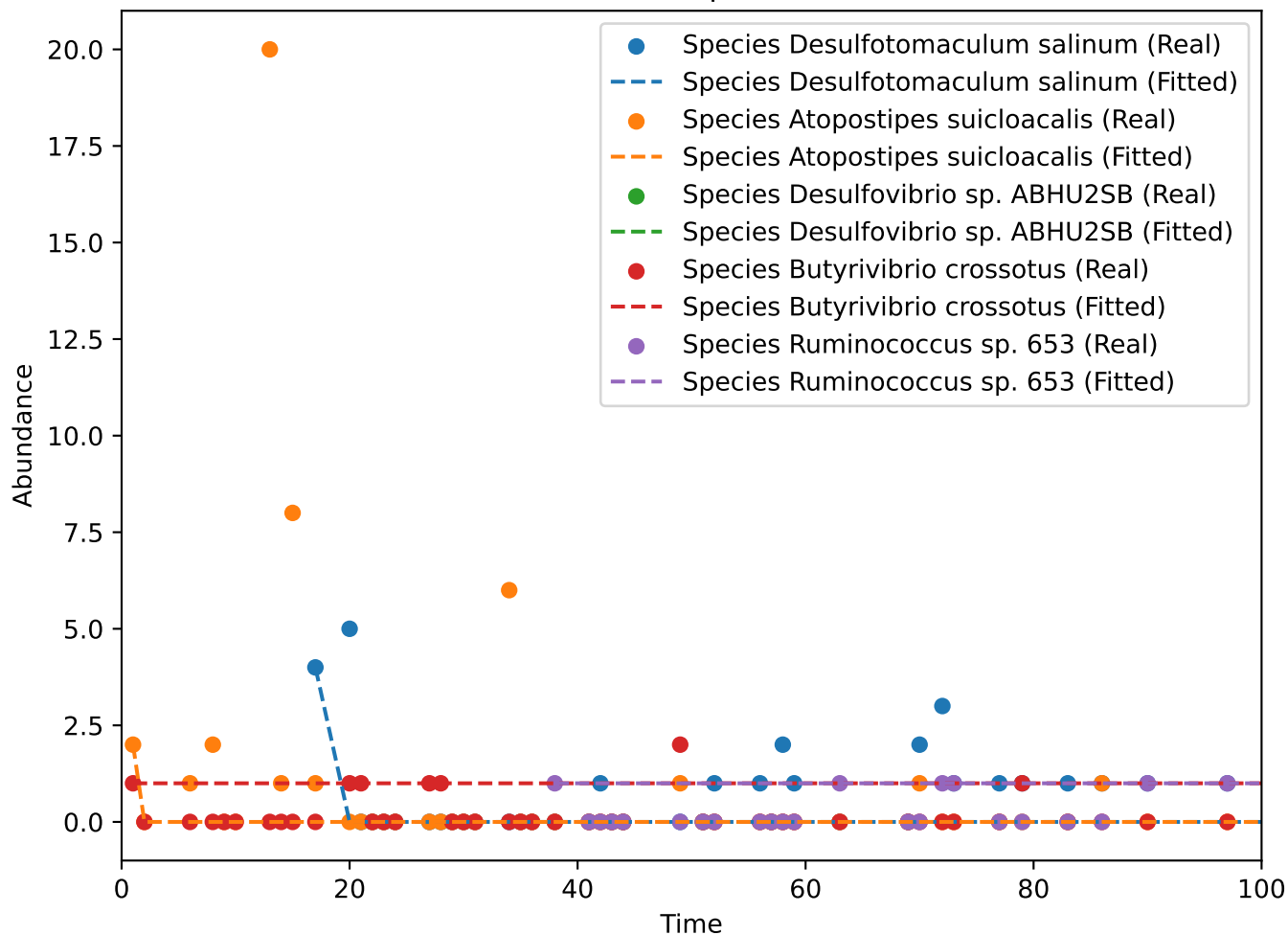
Mouse 8 - Species Fit



- Species *Clostridium glycyrrhizinilyticum* (Real)
- Species *Clostridium glycyrrhizinilyticum* (Fitted)
- Species *[Bacteroides] pectinophilus* (Real)
- Species *[Bacteroides] pectinophilus* (Fitted)
- Species *Porphyromonas catoniae* (Real)
- Species *Porphyromonas catoniae* (Fitted)
- Species *Desulfotomaculum* SeaGull50 (Real)
- Species *Desulfotomaculum* SeaGull50 (Fitted)
- Species *Pontibacter* sp. BAB1700 (Real)
- Species *Pontibacter* sp. BAB1700 (Fitted)



Mouse 8 - Species Fit



Species Roseburia sp. DJF\_VR77 (Real)

Species Roseburia sp. DJF\_VR77 (Fitted)

Species Clostridium sp. Clone-30 (Real)

Species Clostridium sp. Clone-30 (Fitted)

Species Ruminococcus sp. DJF\_VR87 (Real)

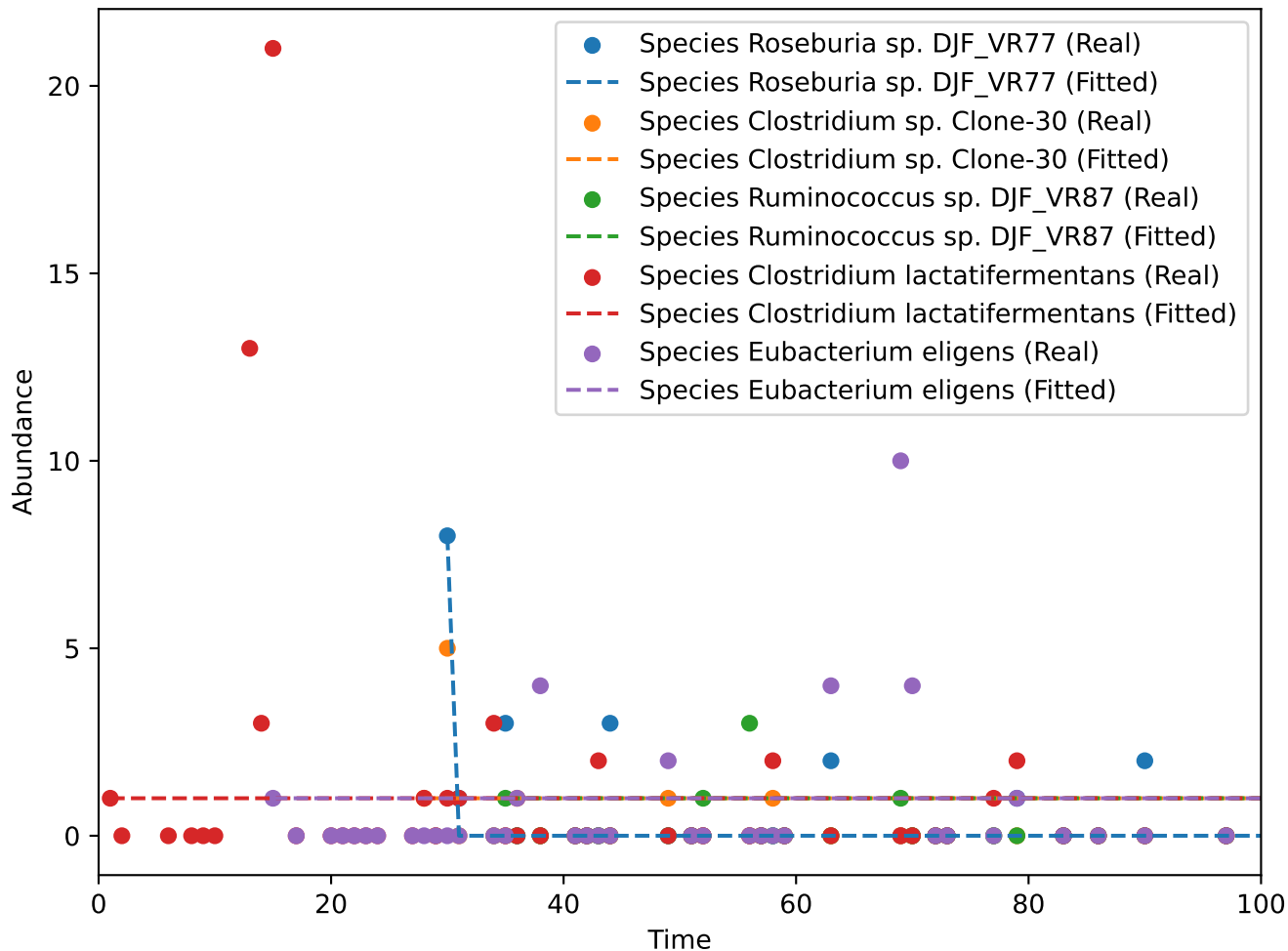
Species Ruminococcus sp. DJF\_VR87 (Fitted)

Species Clostridium lactatifermentans (Real)

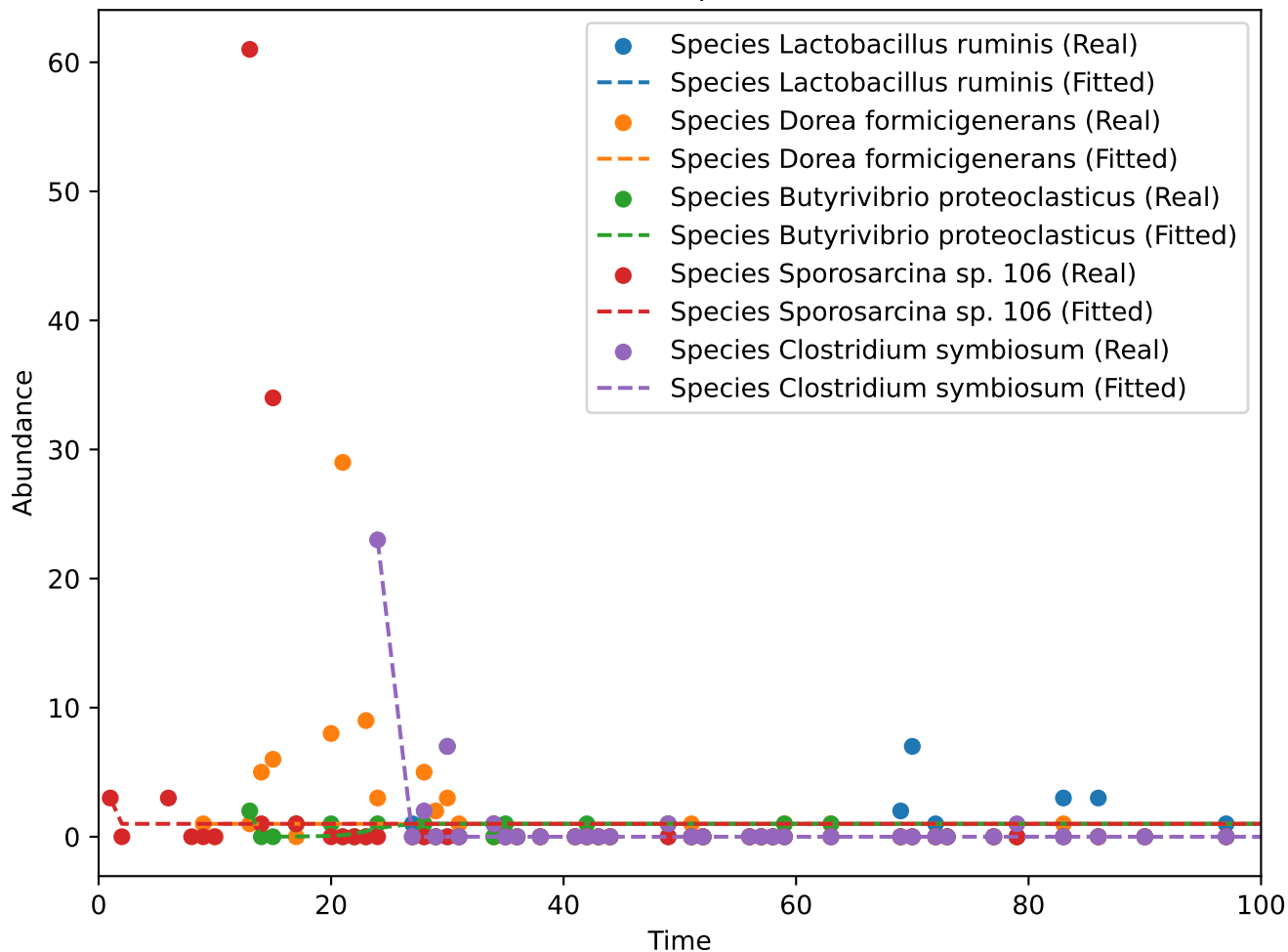
Species Clostridium lactatifermentans (Fitted)

Species Eubacterium eligens (Real)

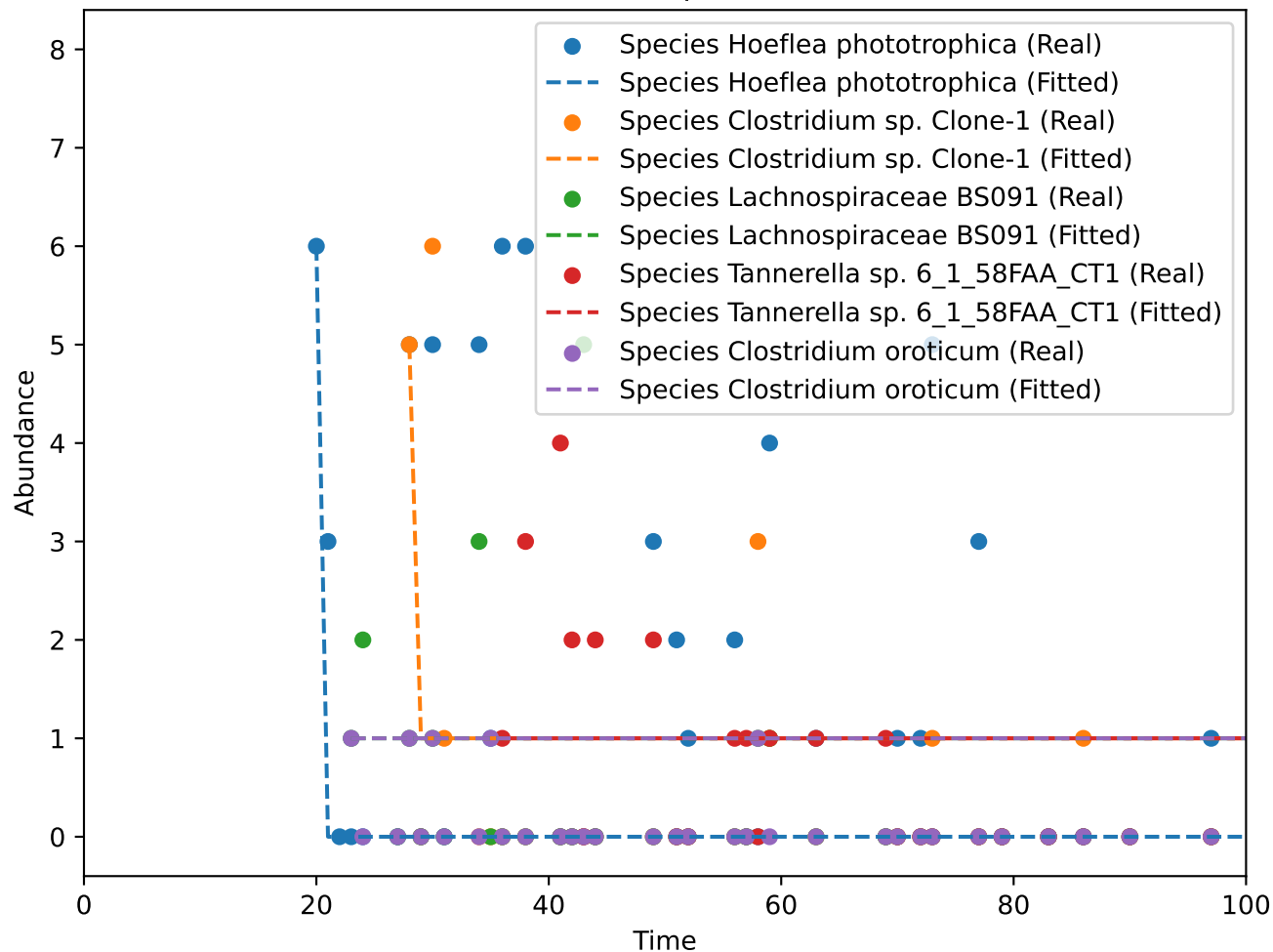
Species Eubacterium eligens (Fitted)



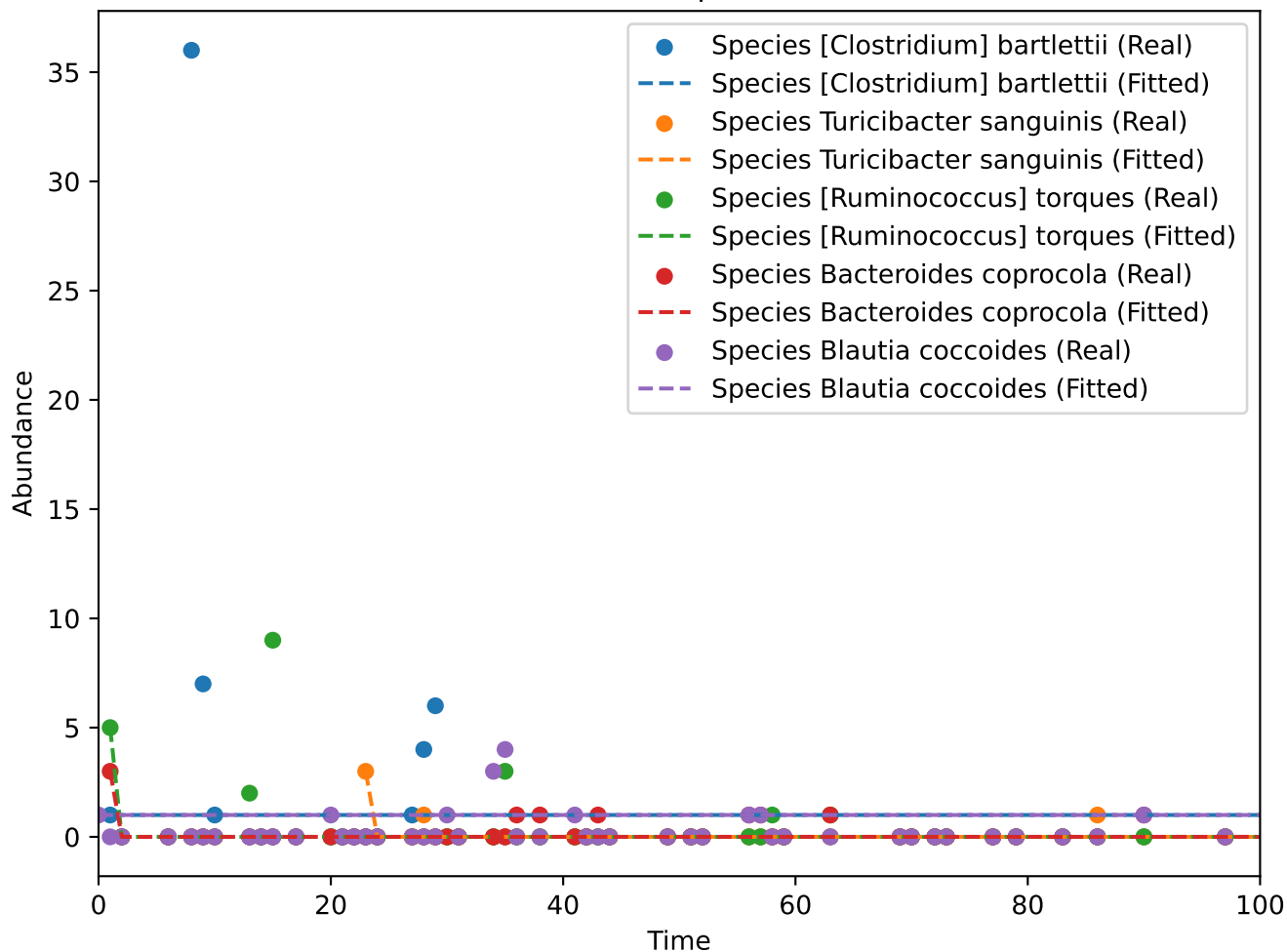
Mouse 8 - Species Fit



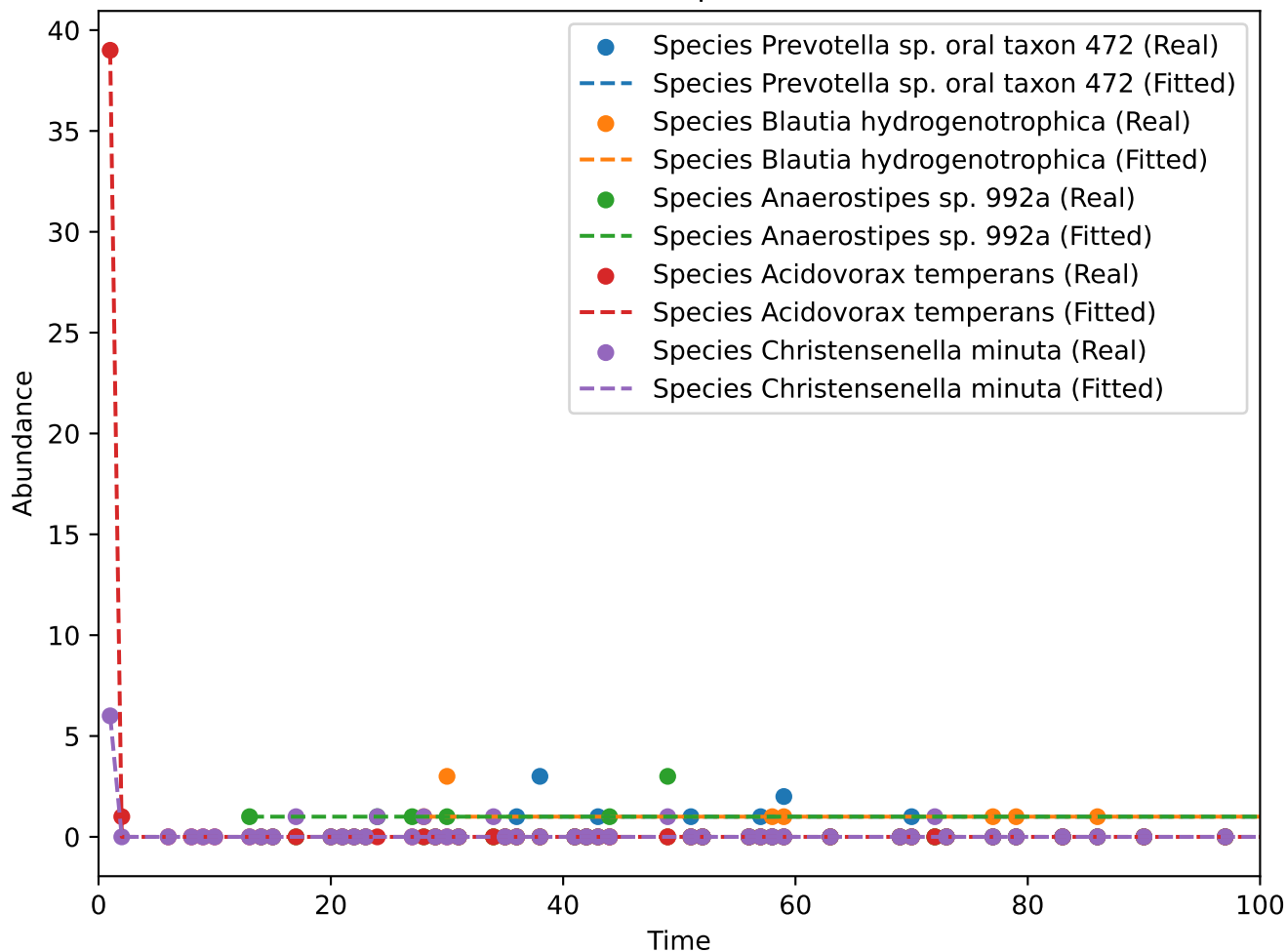
Mouse 8 - Species Fit



Mouse 8 - Species Fit

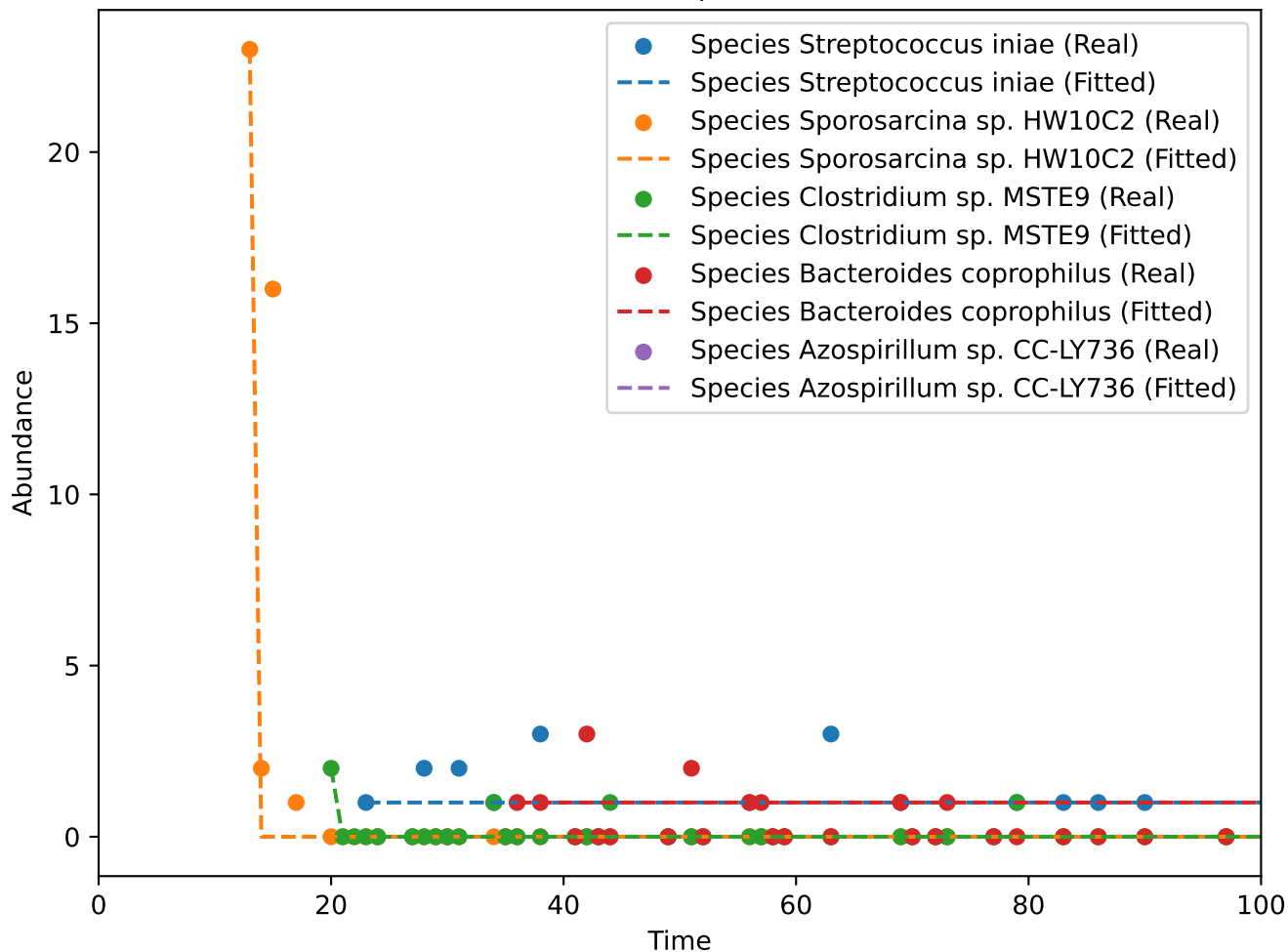


Mouse 8 - Species Fit

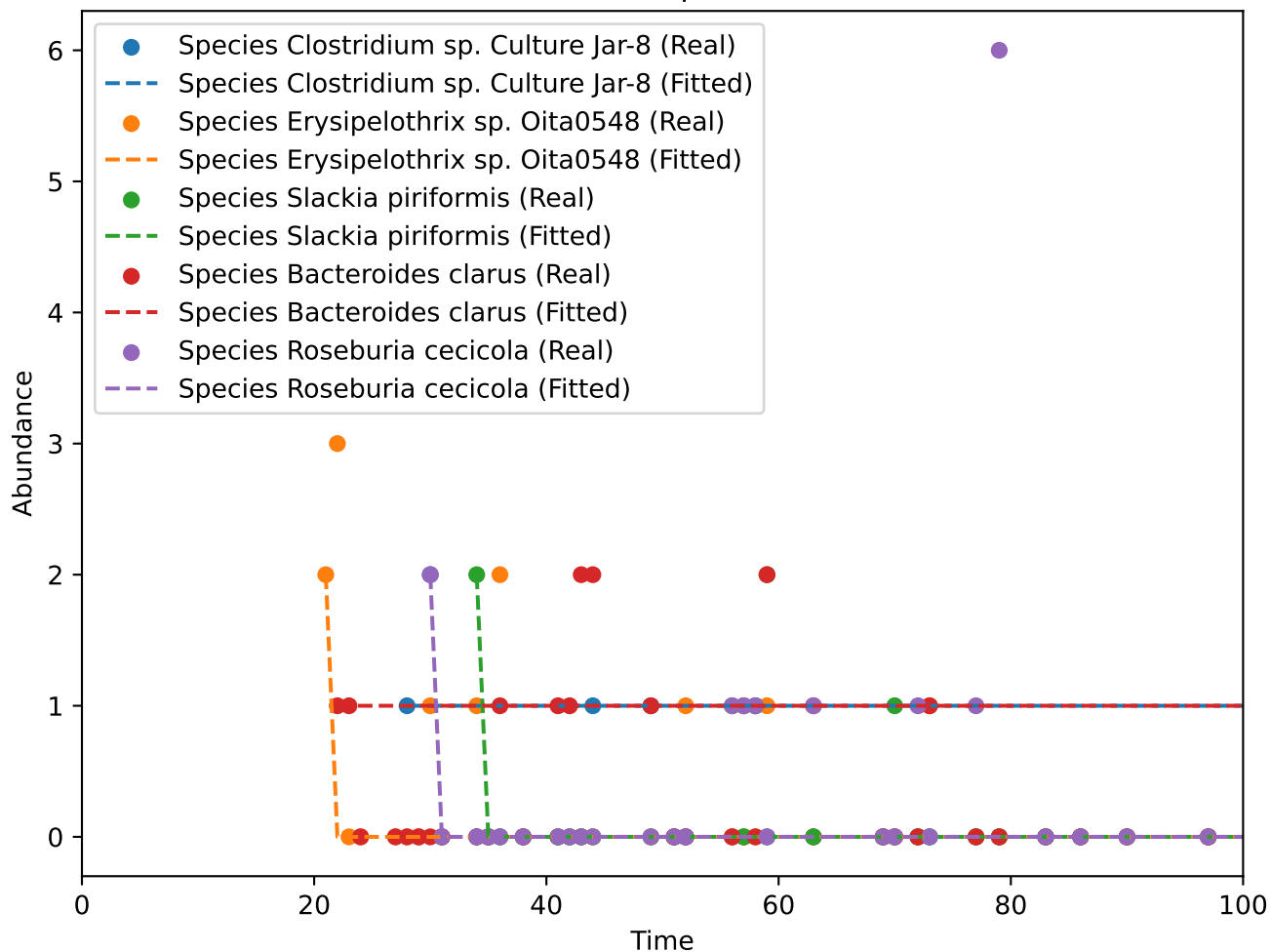




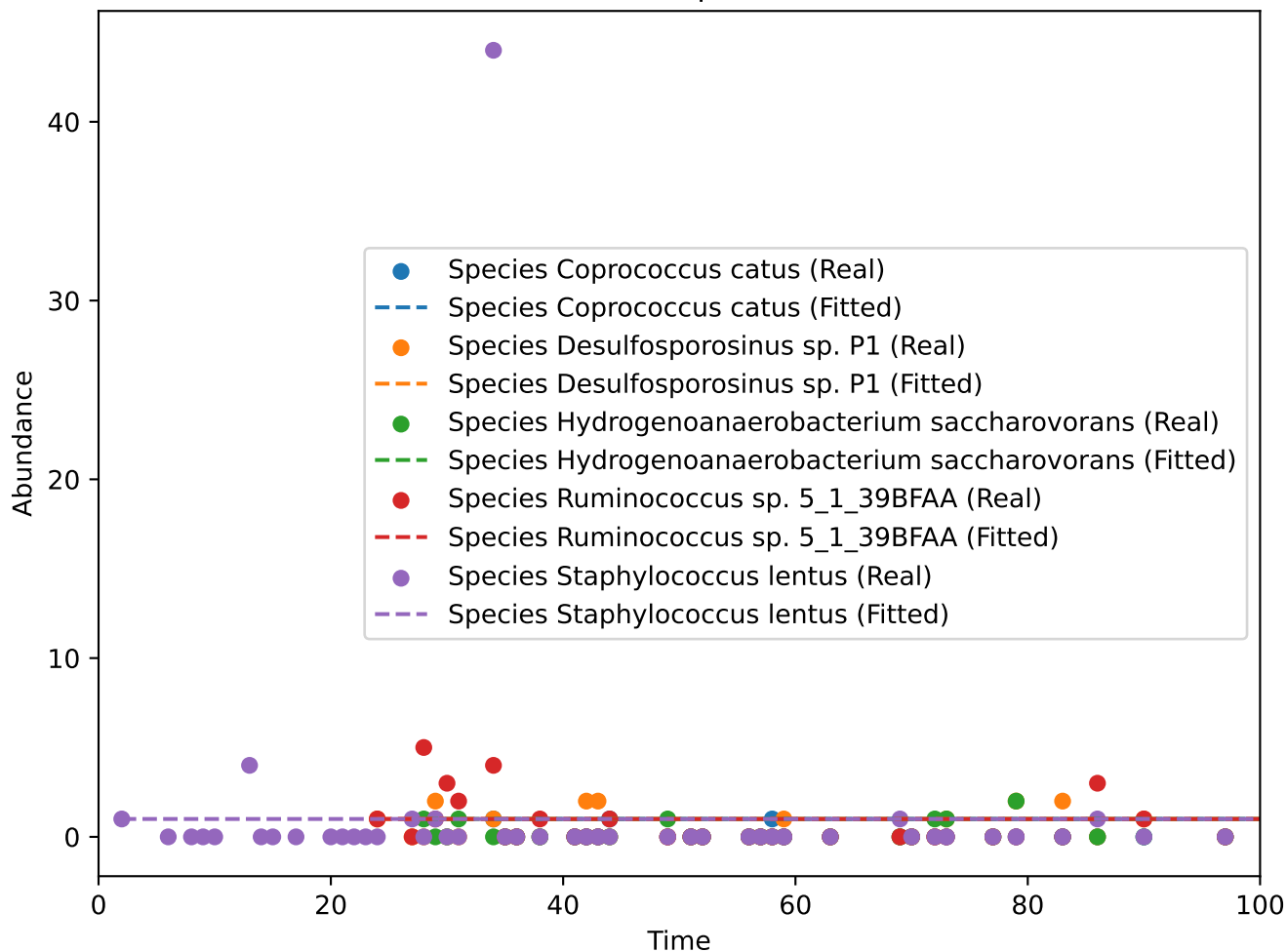
Mouse 8 - Species Fit



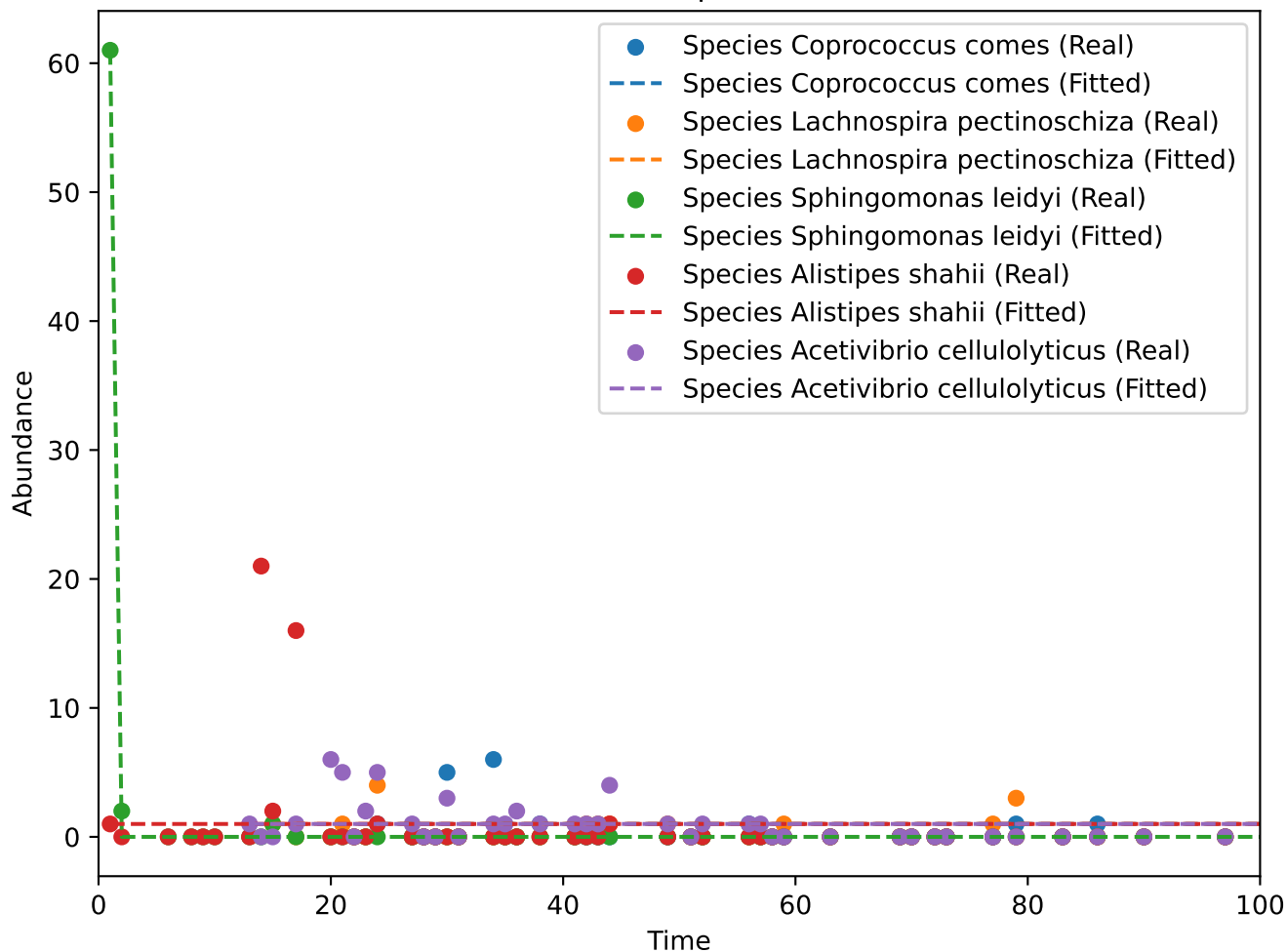
# Mouse 8 - Species Fit



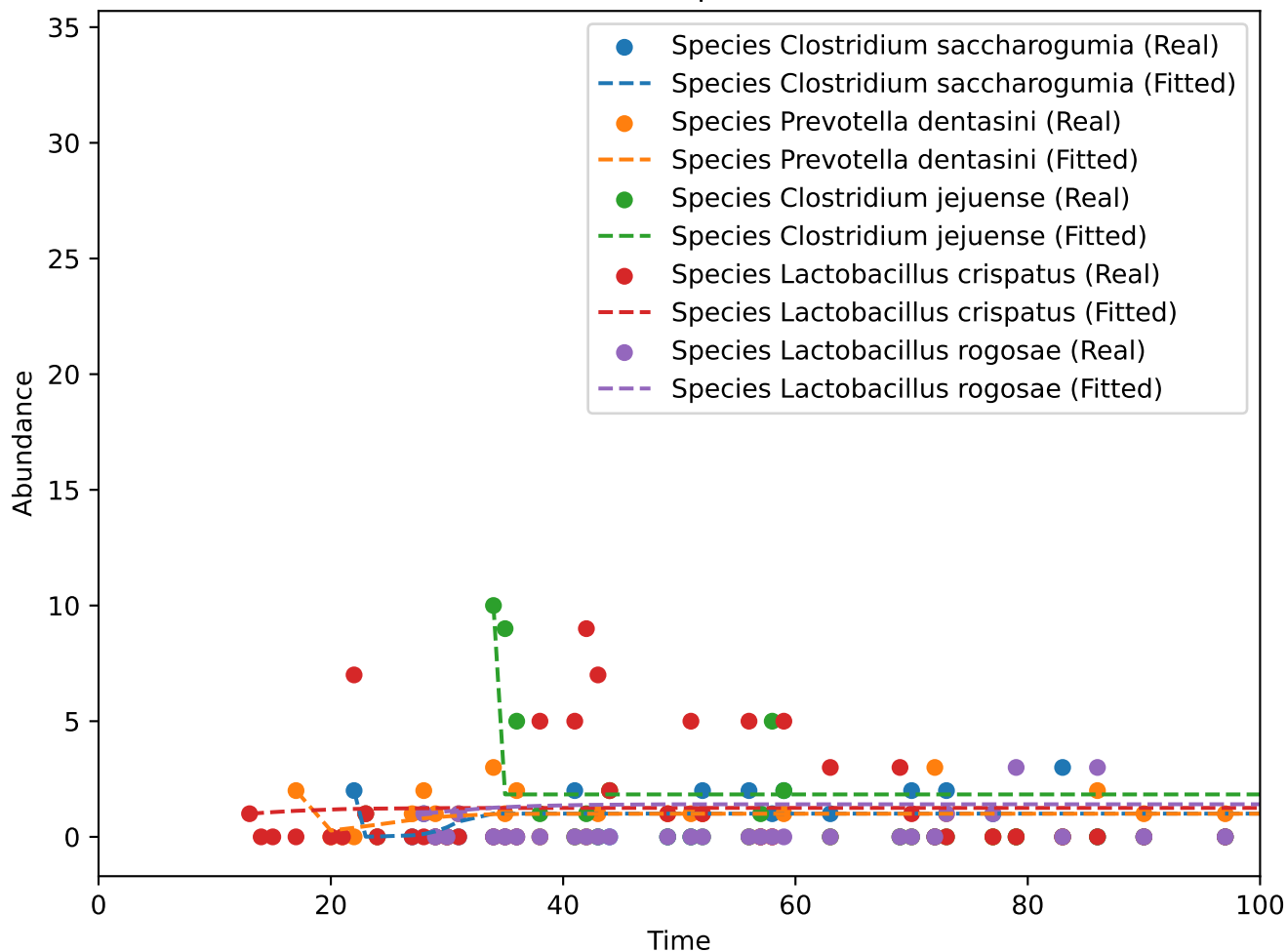
Mouse 8 - Species Fit



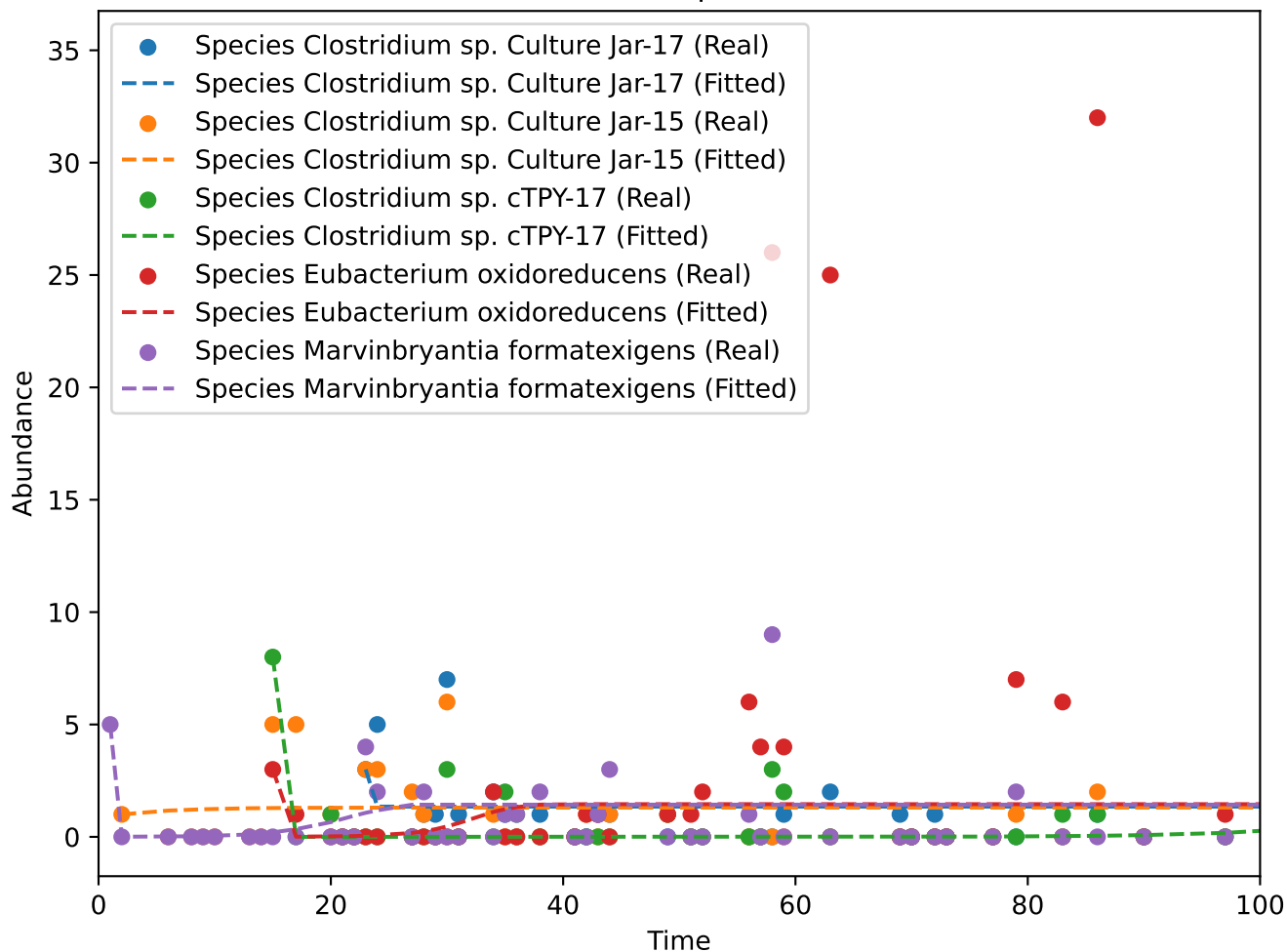
## Mouse 8 - Species Fit



Mouse 8 - Species Fit



# Mouse 8 - Species Fit



Species Dorea sp. AP6 (Real)

Species Dorea sp. AP6 (Fitted)

Species Blautia sp. canine oral taxon 143 (Real)

Species Blautia sp. canine oral taxon 143 (Fitted)

Species [Clostridium] cocleatum (Real)

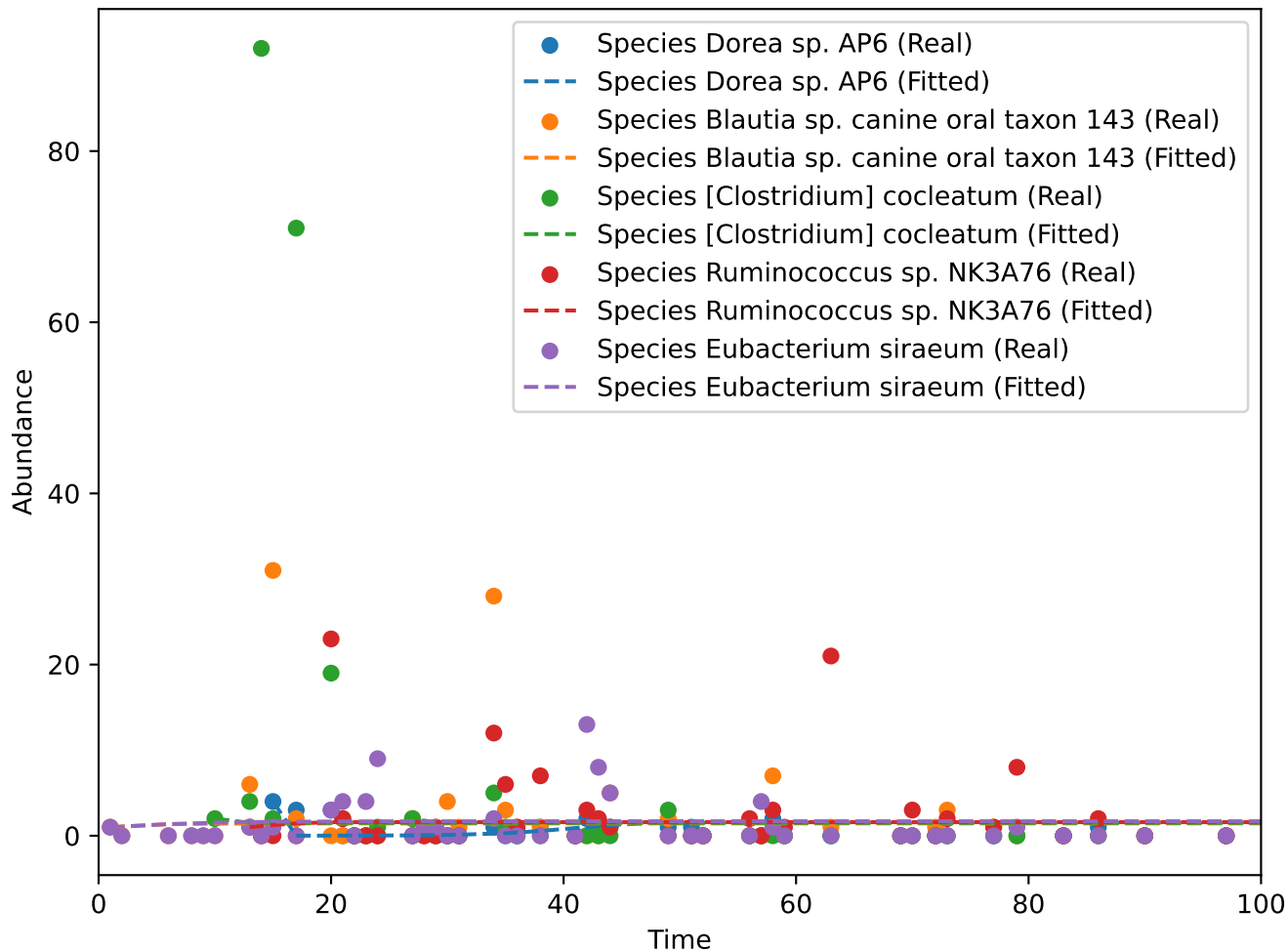
Species [Clostridium] cocleatum (Fitted)

Species Ruminococcus sp. NK3A76 (Real)

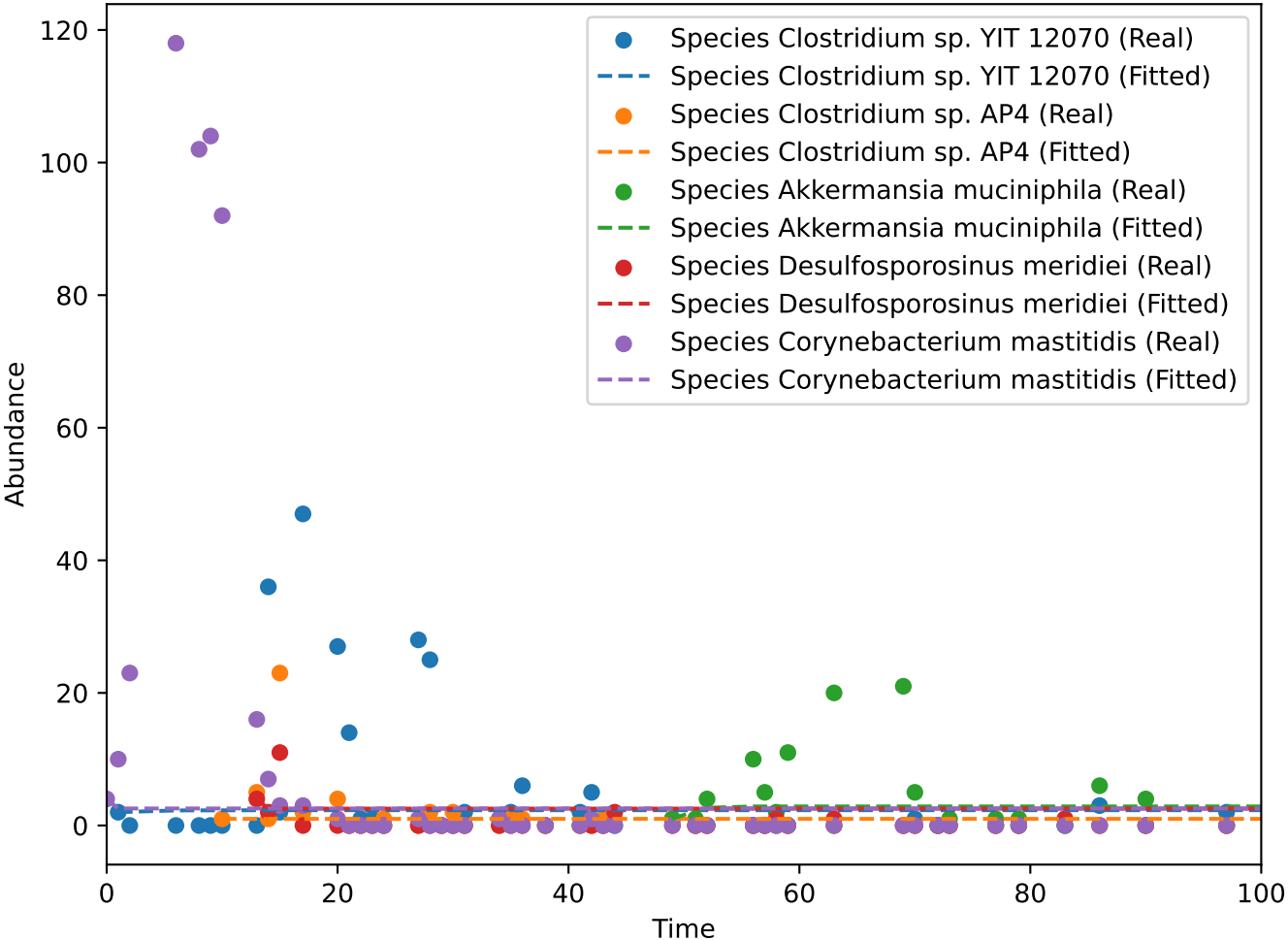
Species Ruminococcus sp. NK3A76 (Fitted)

Species Eubacterium siraeum (Real)

Species Eubacterium siraeum (Fitted)

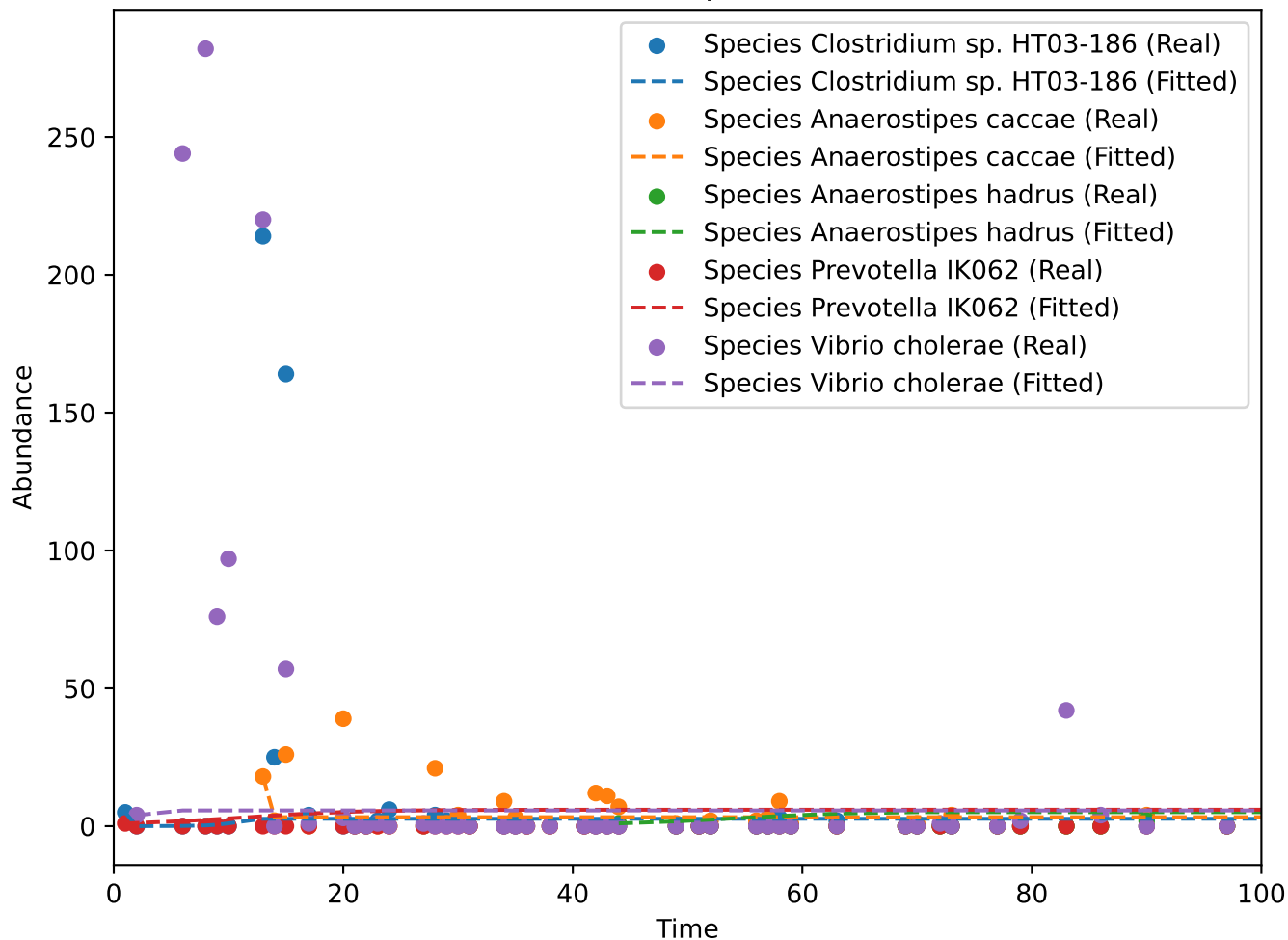


## Mouse 8 - Species Fit

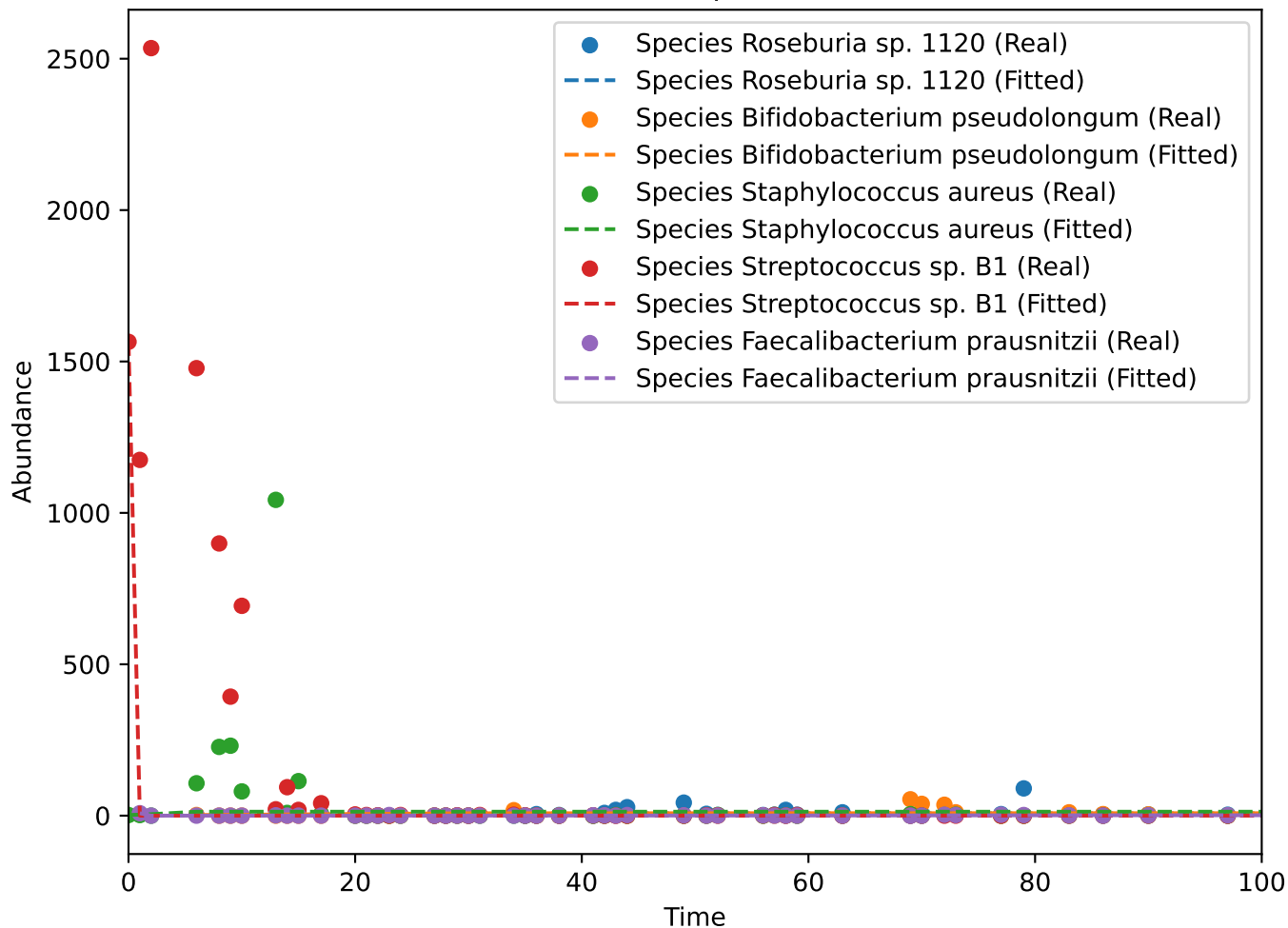




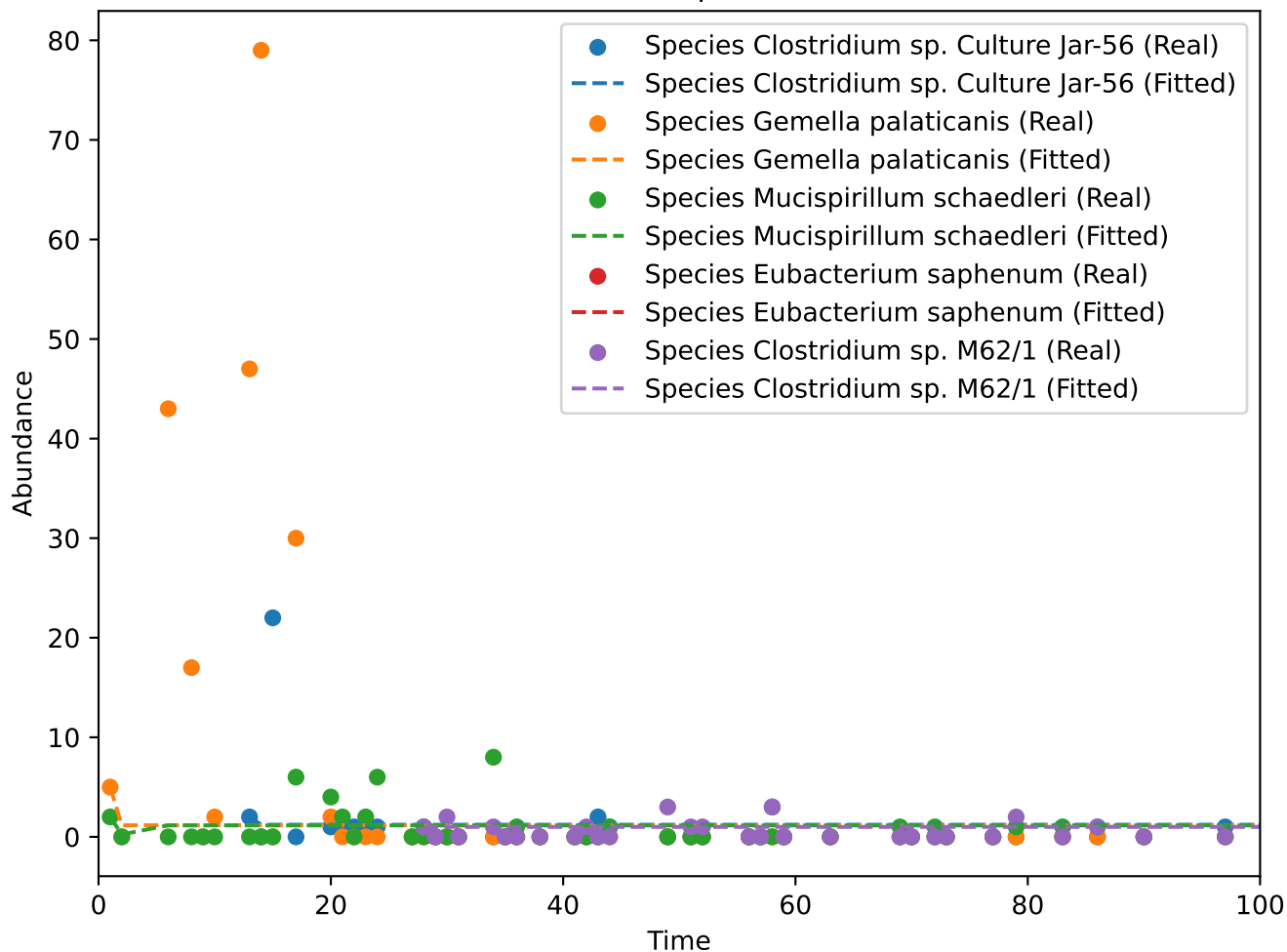
Mouse 8 - Species Fit



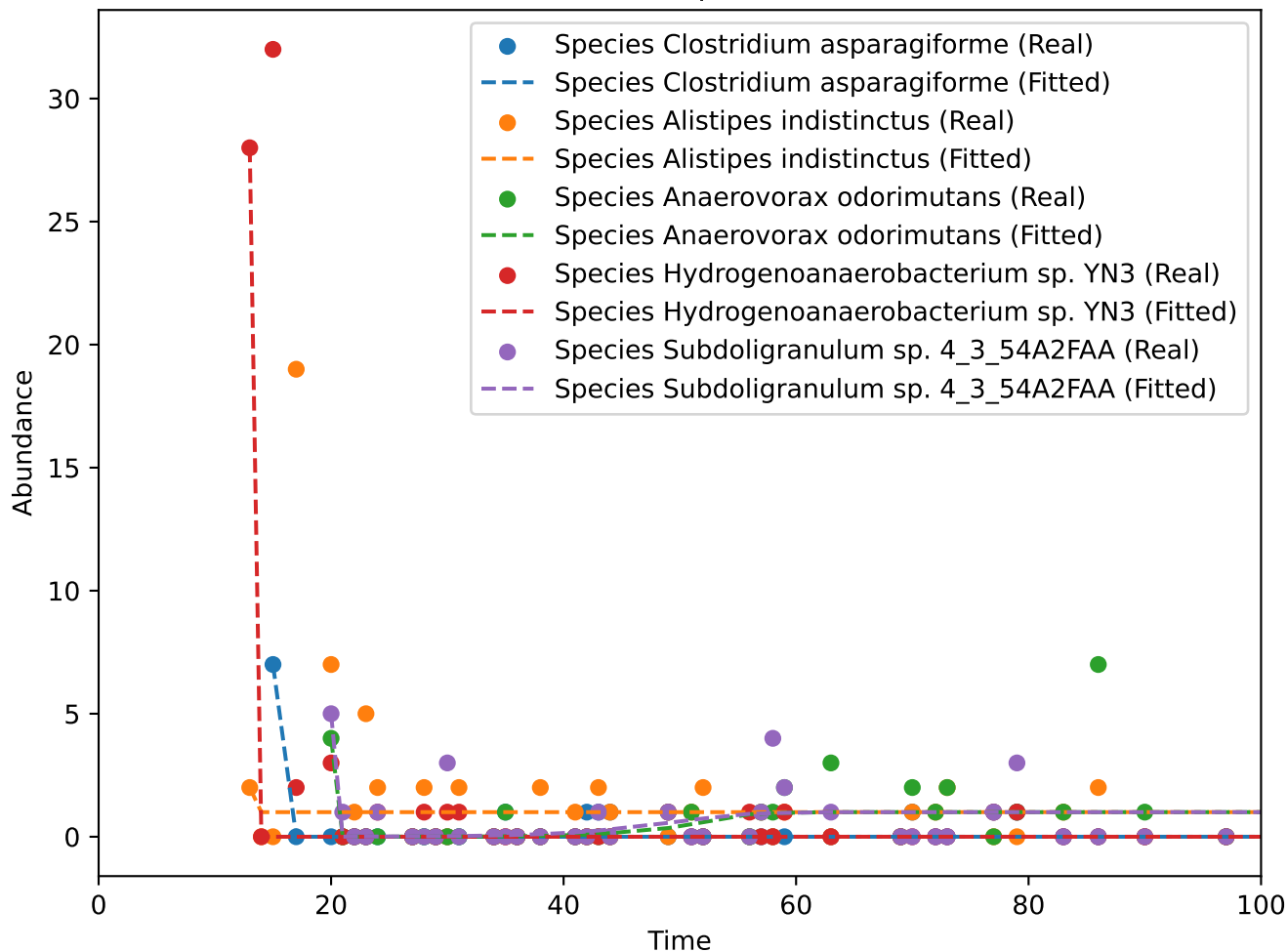
## Mouse 8 - Species Fit



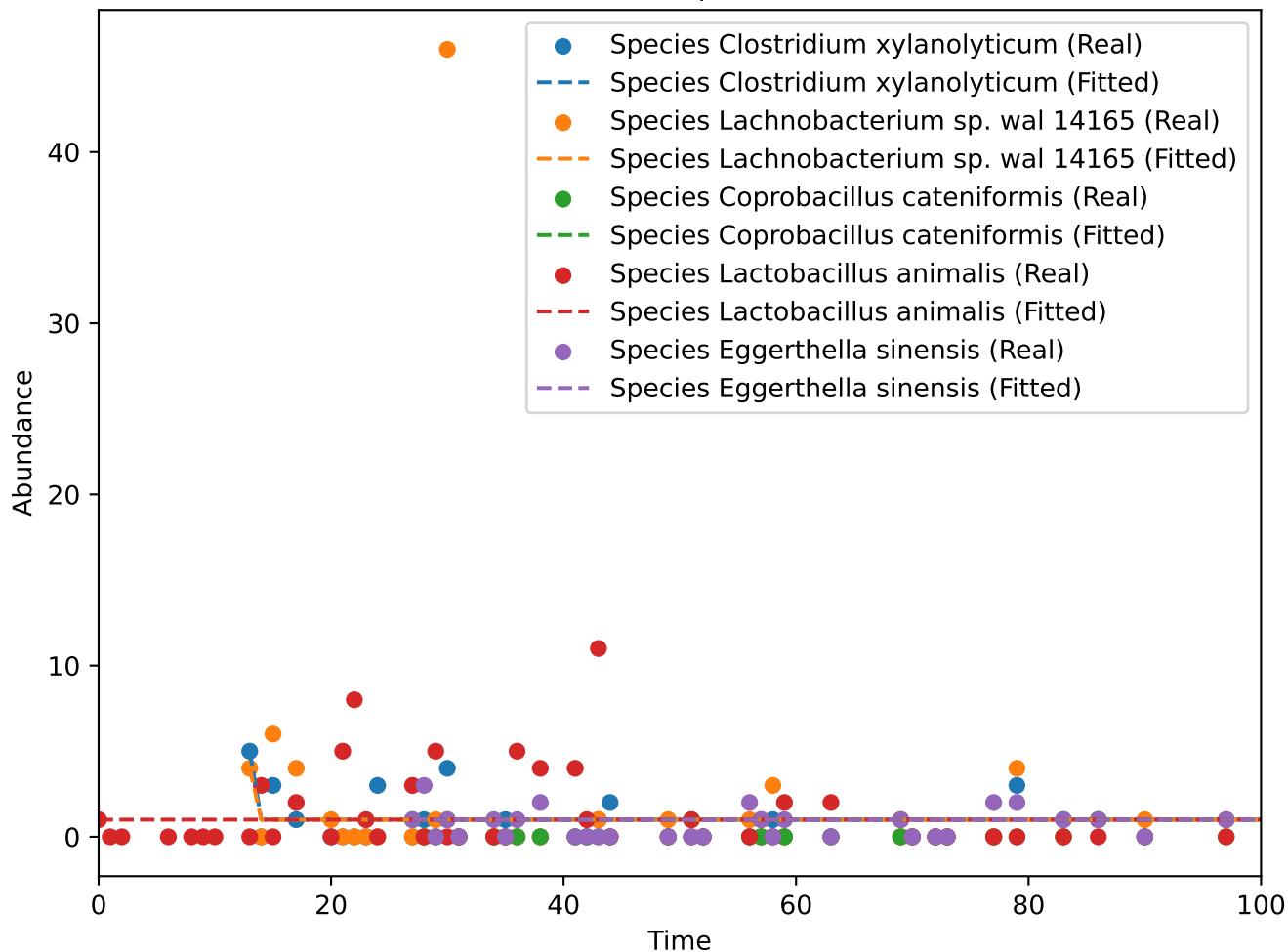
Mouse 8 - Species Fit



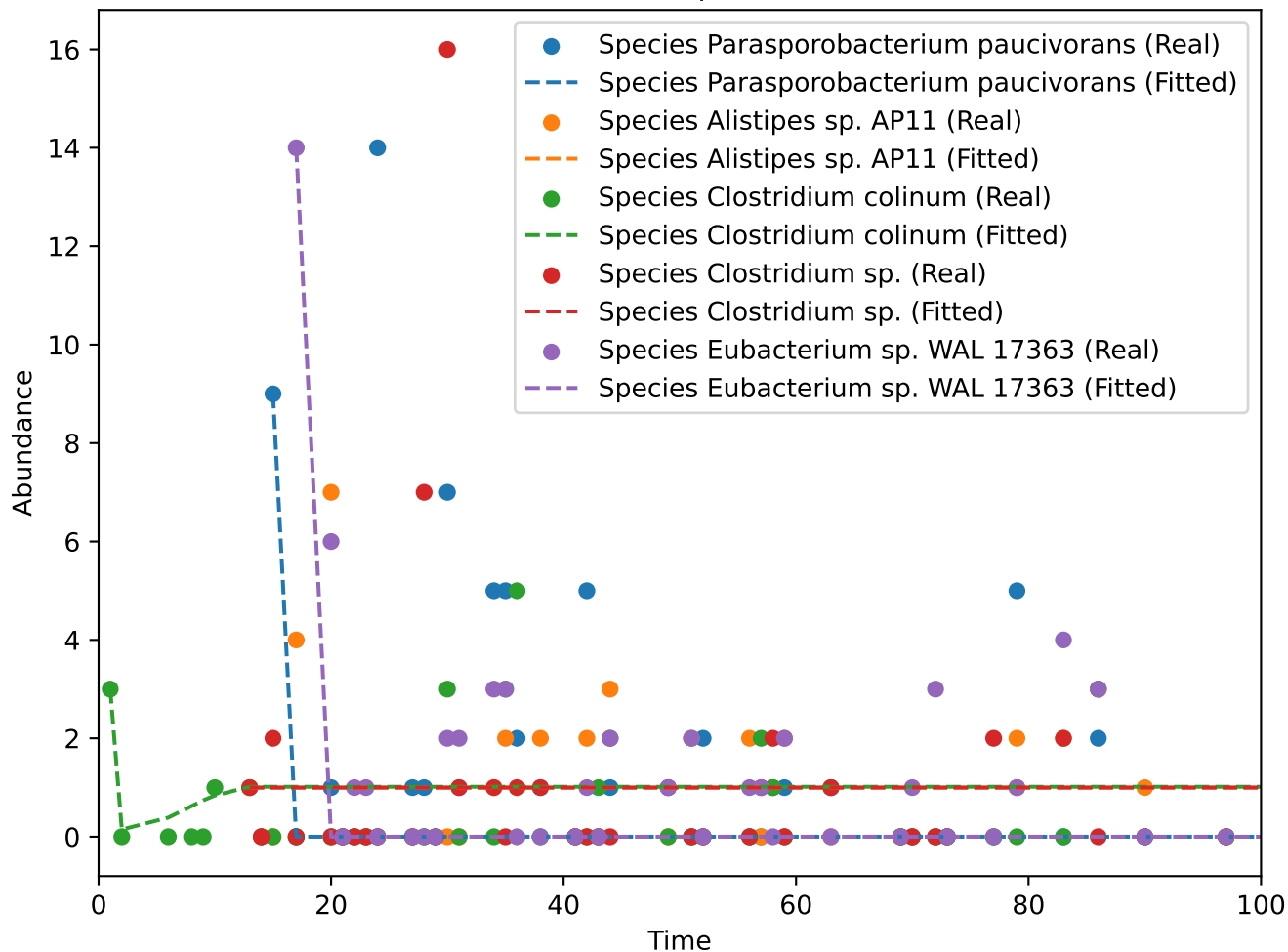
# Mouse 8 - Species Fit



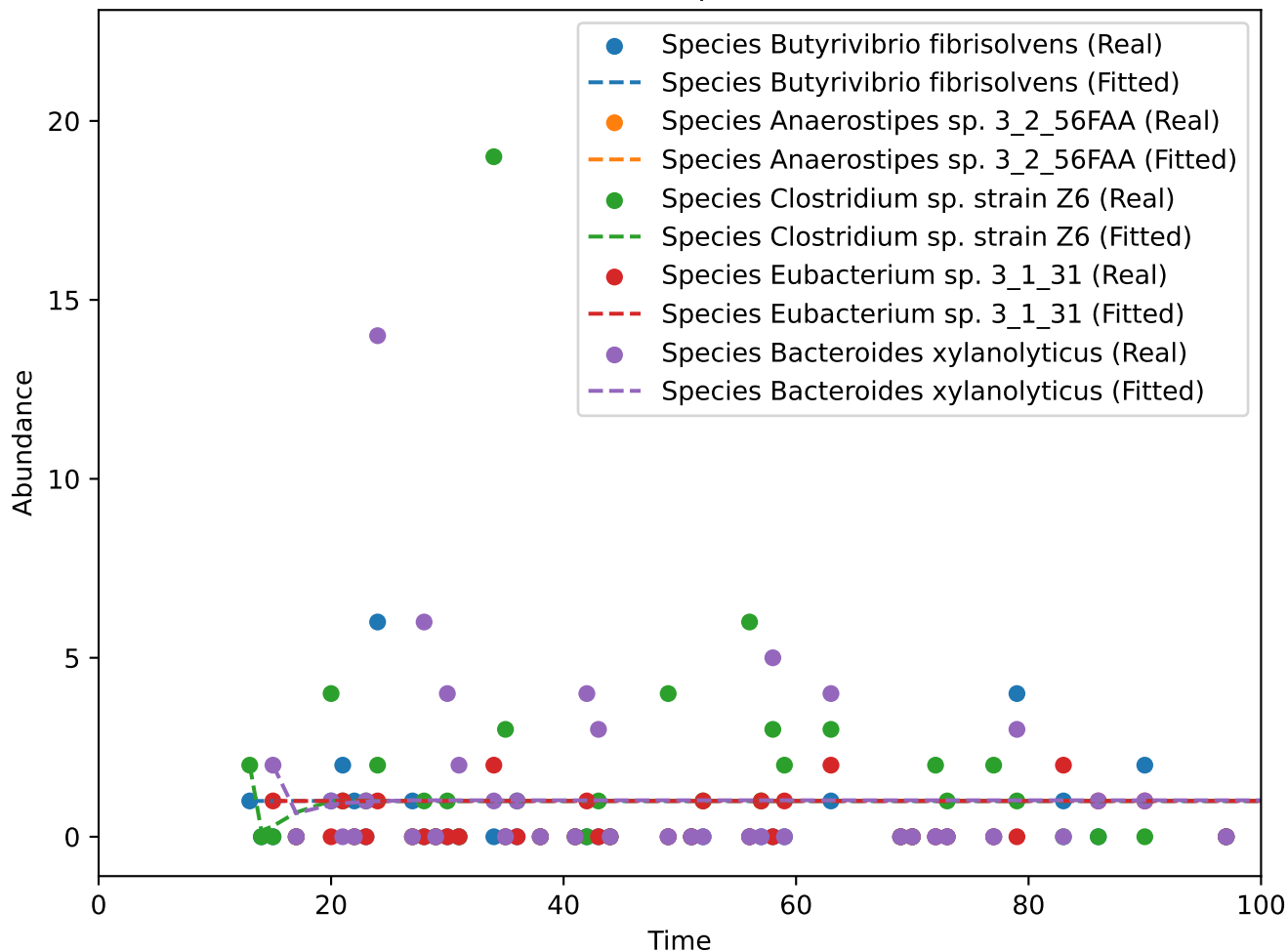
Mouse 8 - Species Fit



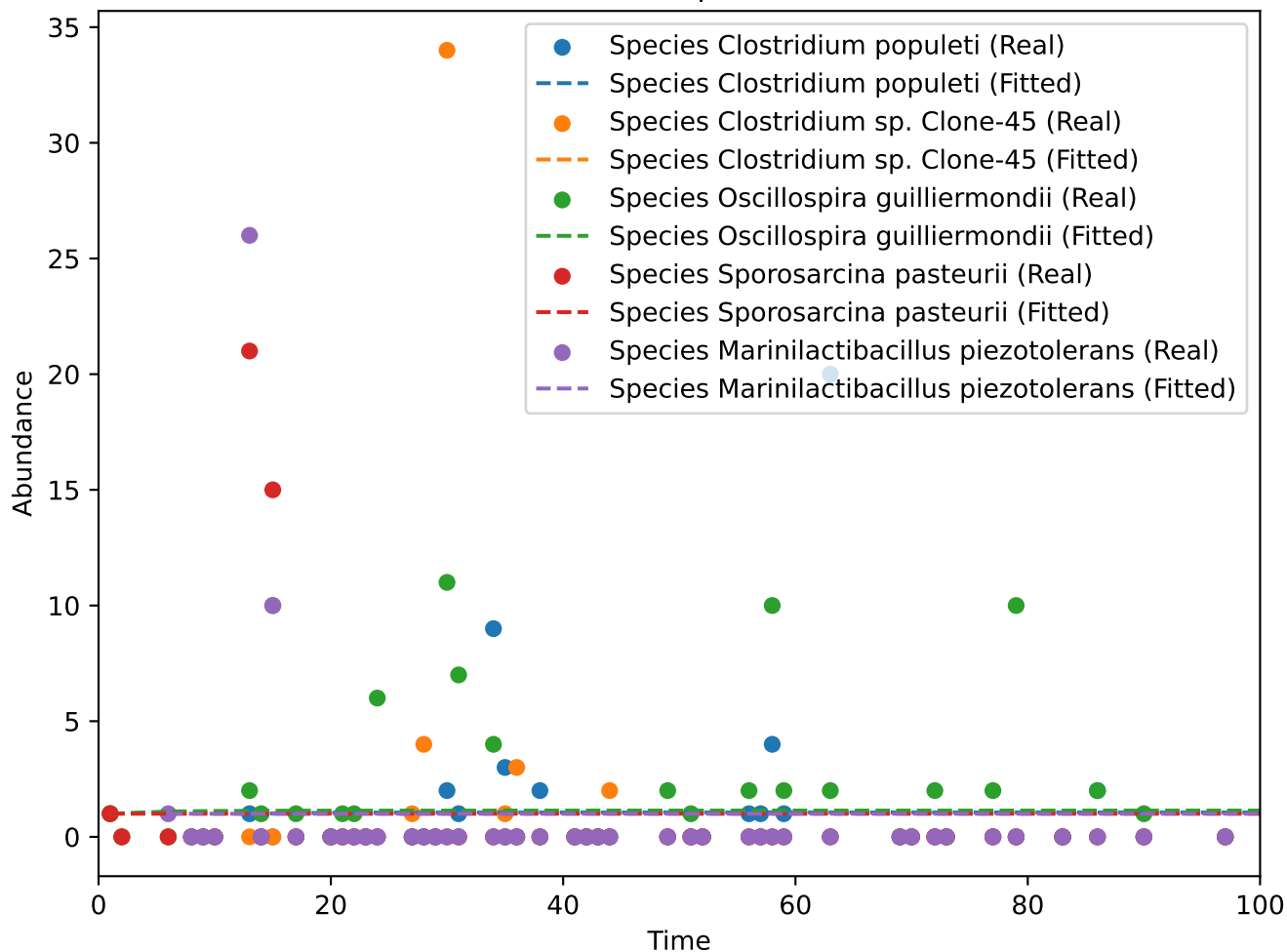
Mouse 8 - Species Fit



Mouse 8 - Species Fit

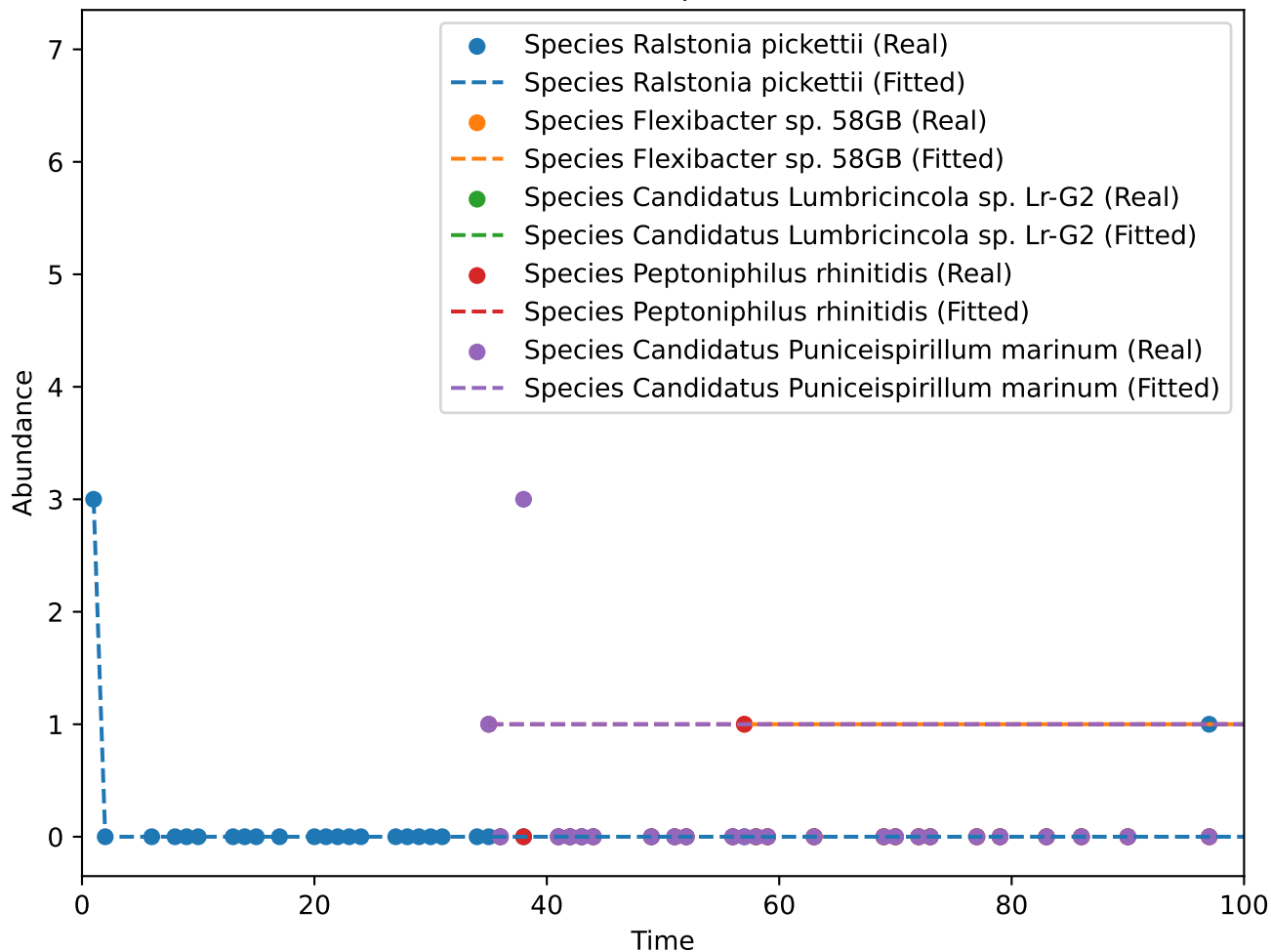


Mouse 8 - Species Fit

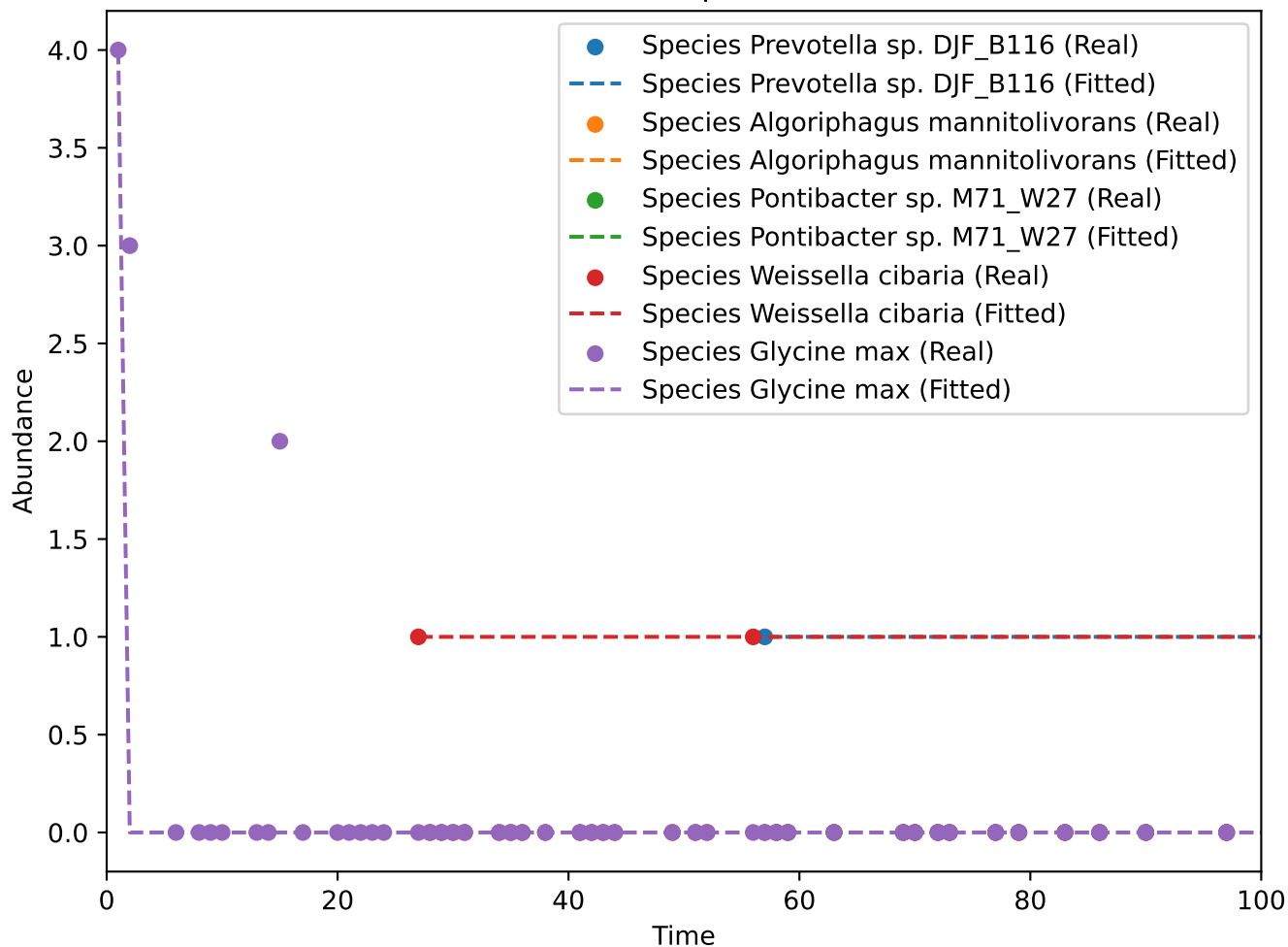




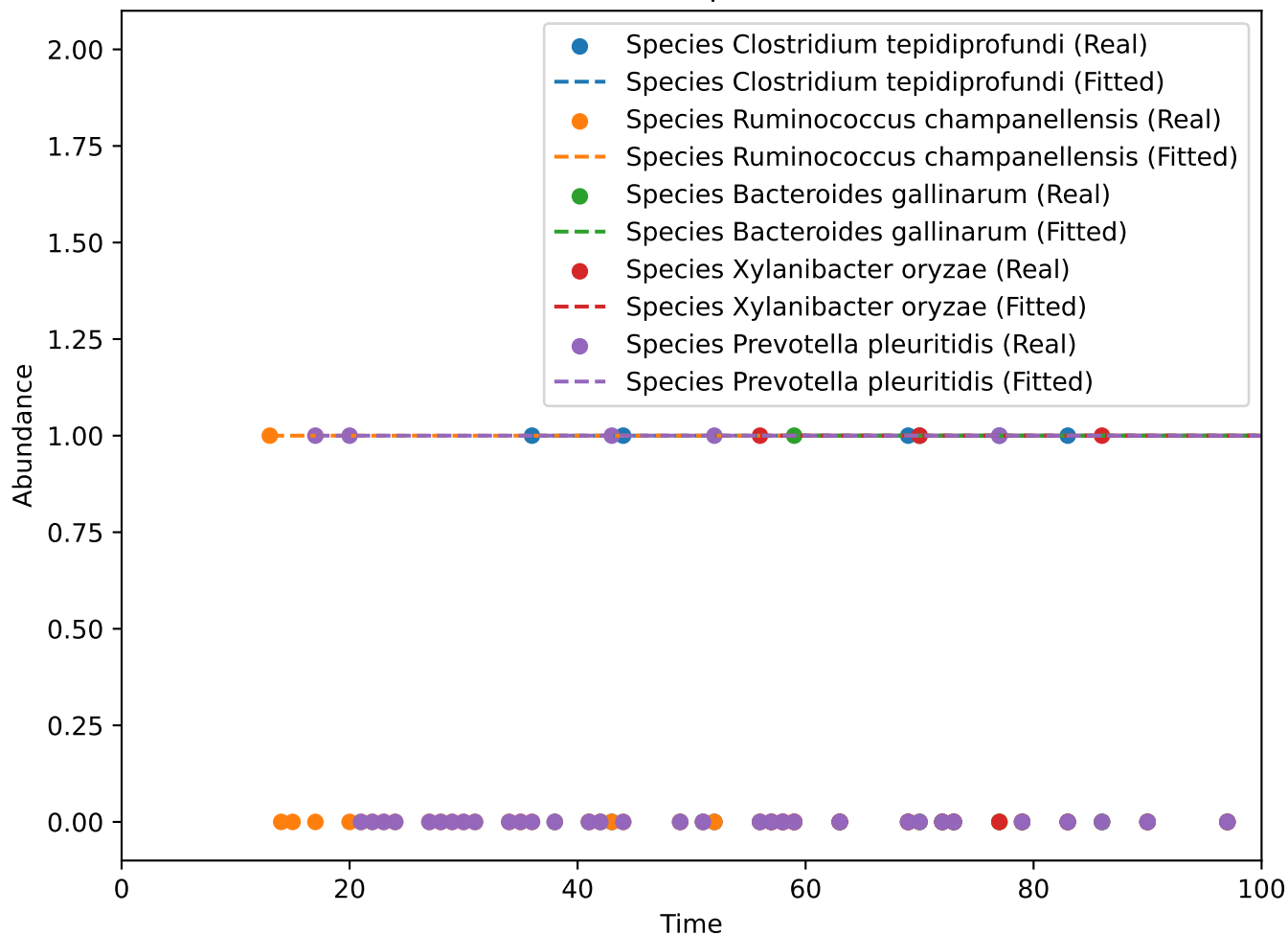
- Species *Ralstonia pickettii* (Real)
- Species *Ralstonia pickettii* (Fitted)
- Species *Flexibacter* sp. 58GB (Real)
- Species *Flexibacter* sp. 58GB (Fitted)
- Species *Candidatus Lumbricincola* sp. Lr-G2 (Real)
- Species *Candidatus Lumbricincola* sp. Lr-G2 (Fitted)
- Species *Peptoniphilus rhinitidis* (Real)
- Species *Peptoniphilus rhinitidis* (Fitted)
- Species *Candidatus Puniceispirillum marinum* (Real)
- Species *Candidatus Puniceispirillum marinum* (Fitted)



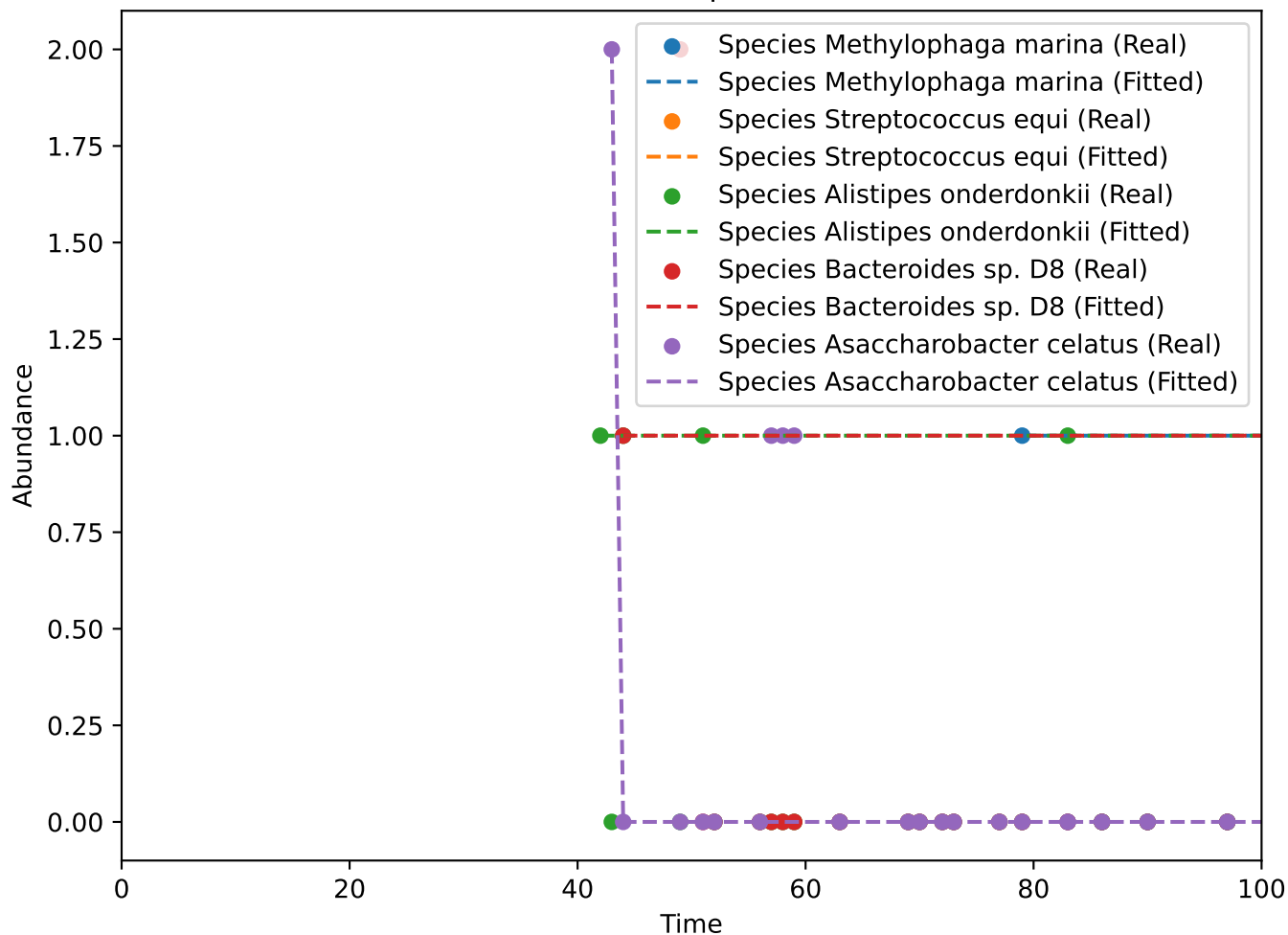
Mouse 8 - Species Fit



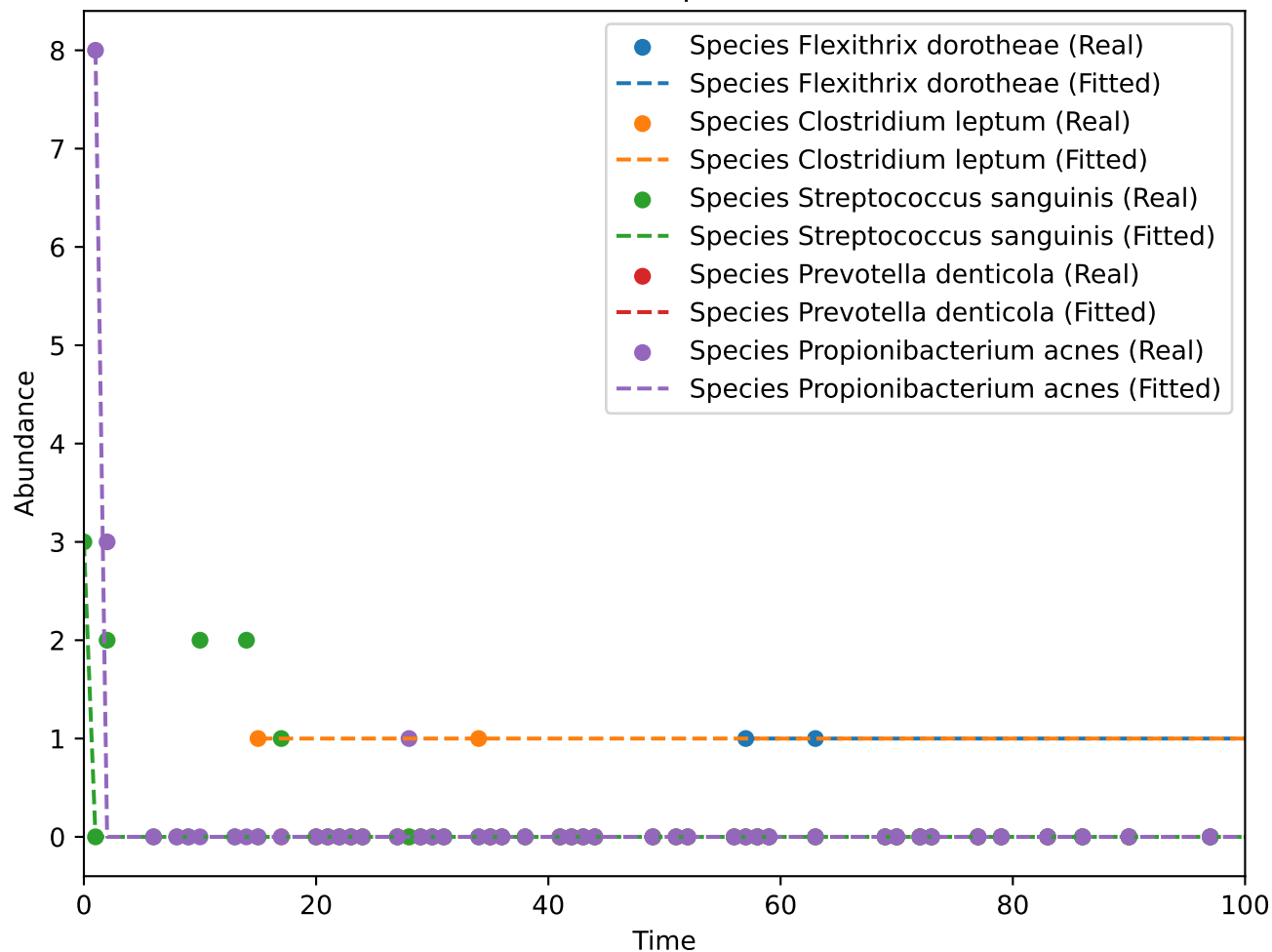
Mouse 8 - Species Fit



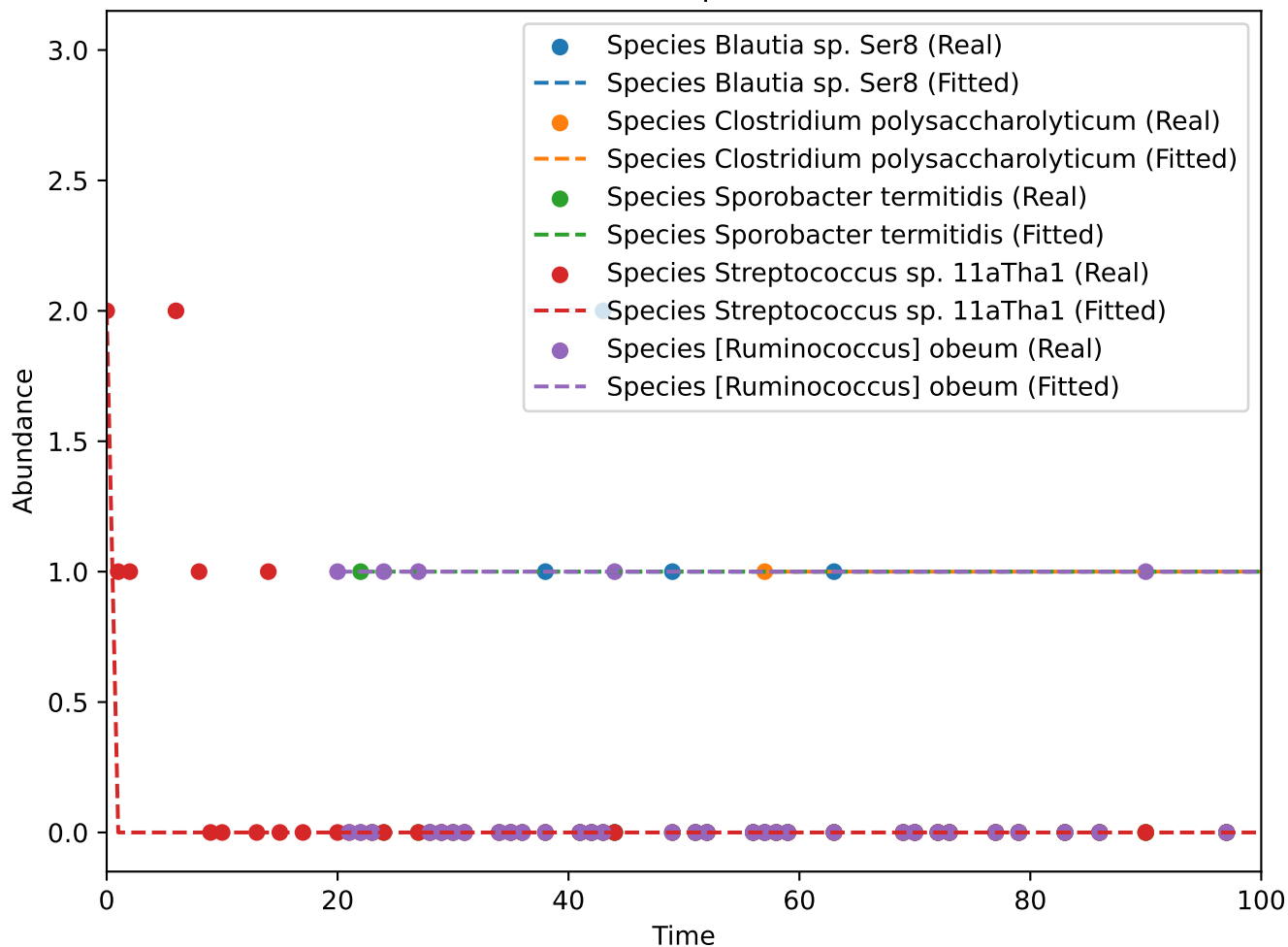
# Mouse 8 - Species Fit



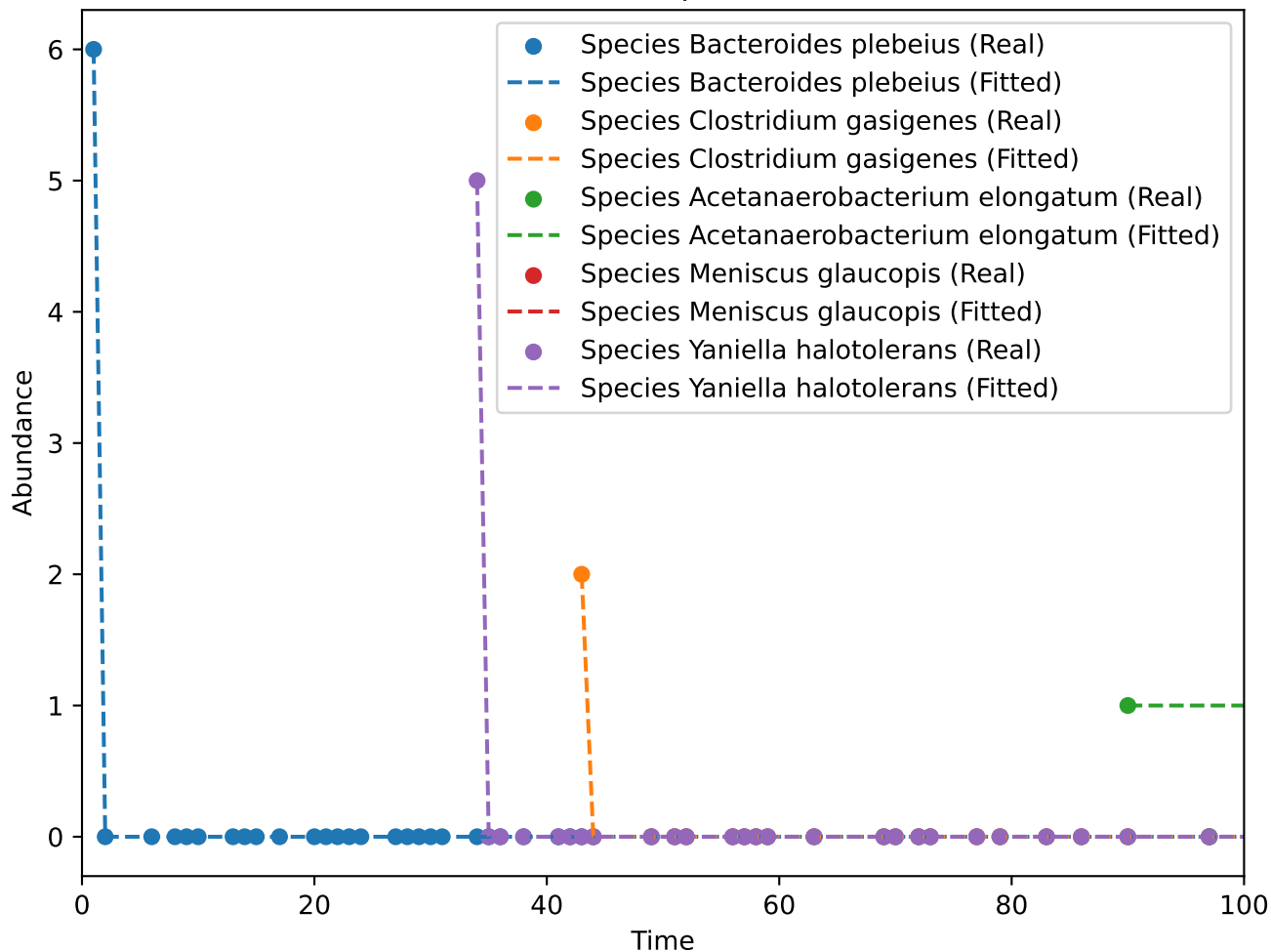
Mouse 8 - Species Fit



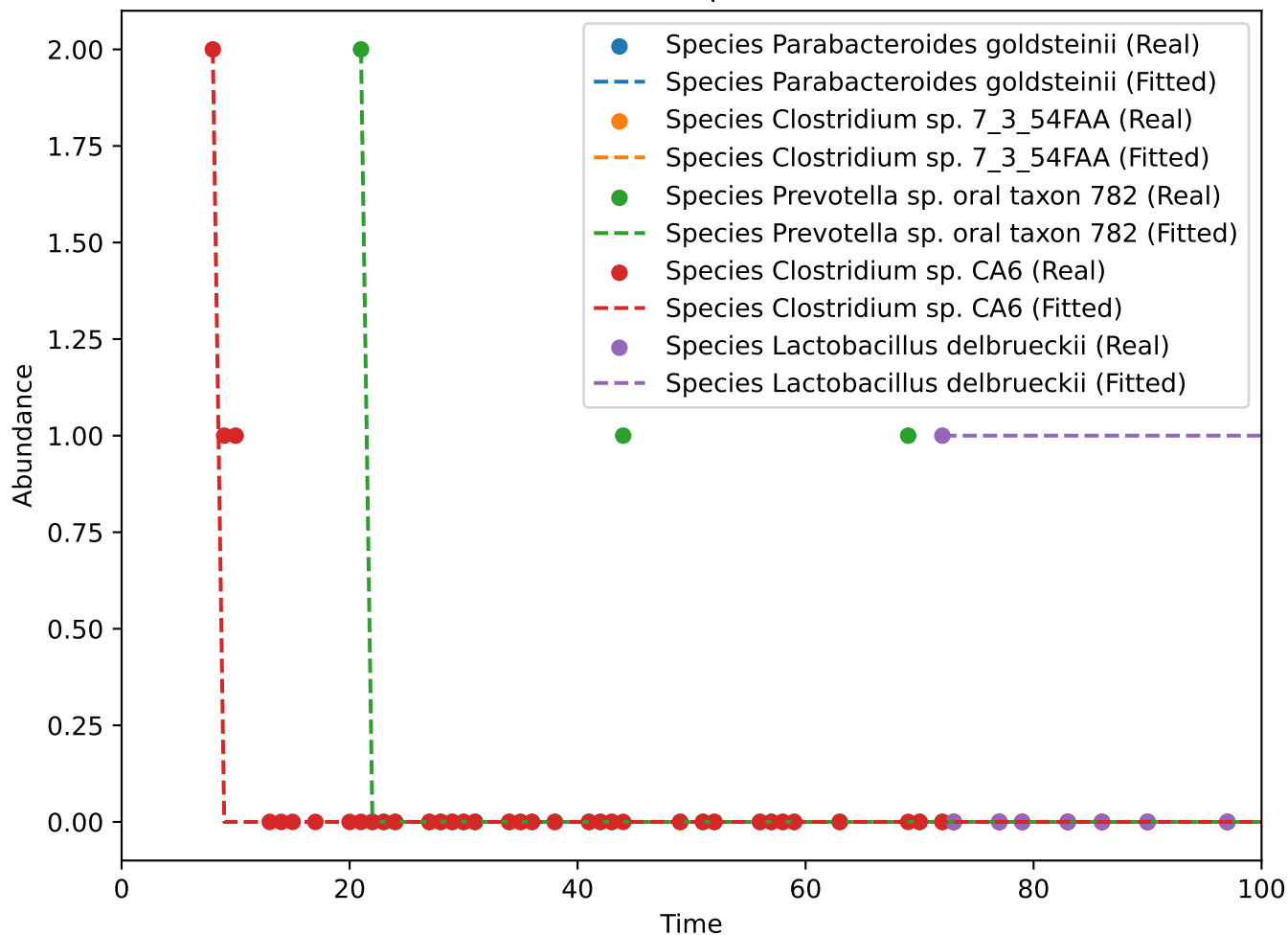
Mouse 8 - Species Fit



Mouse 8 - Species Fit

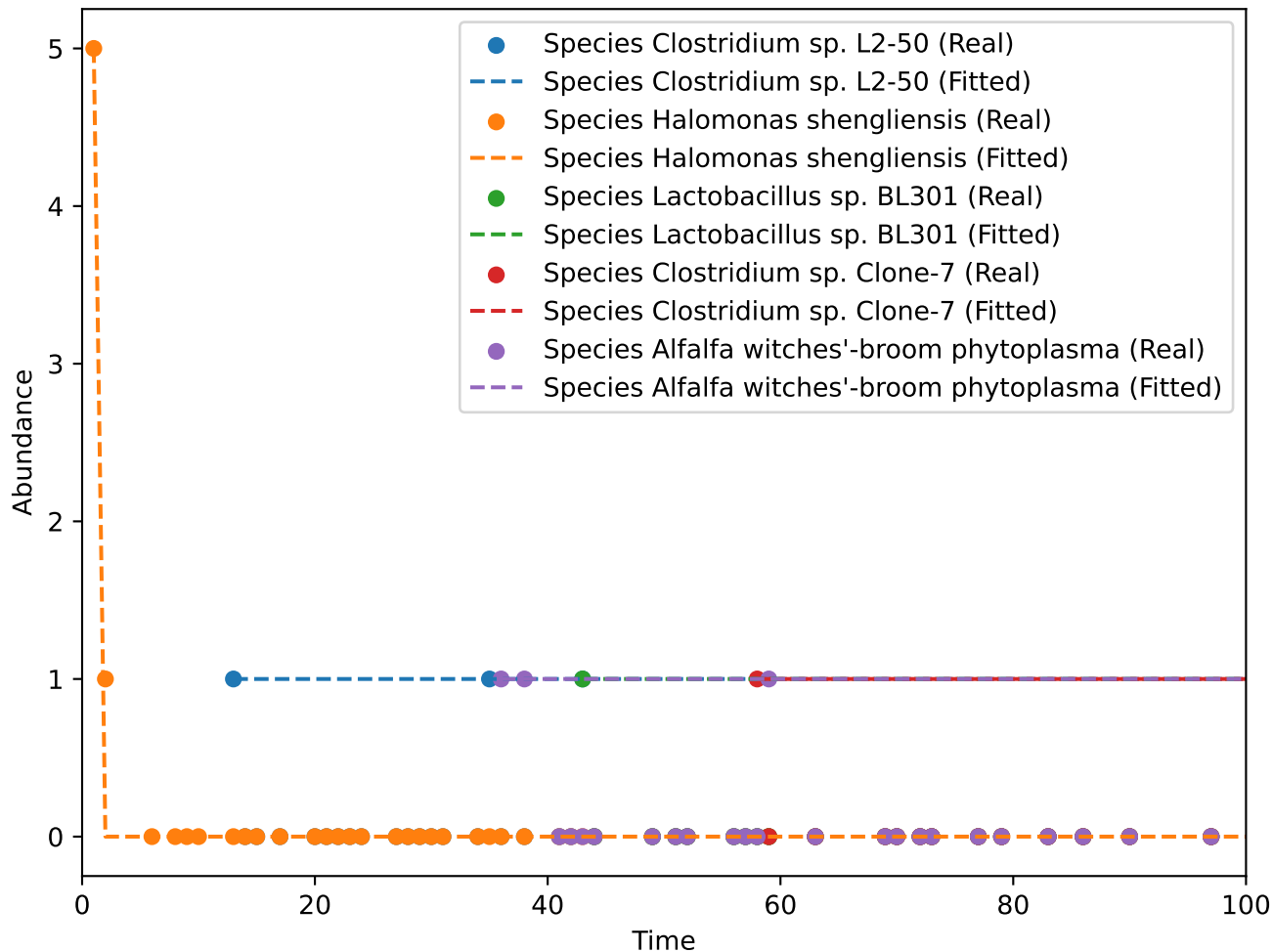


# Mouse 8 - Species Fit

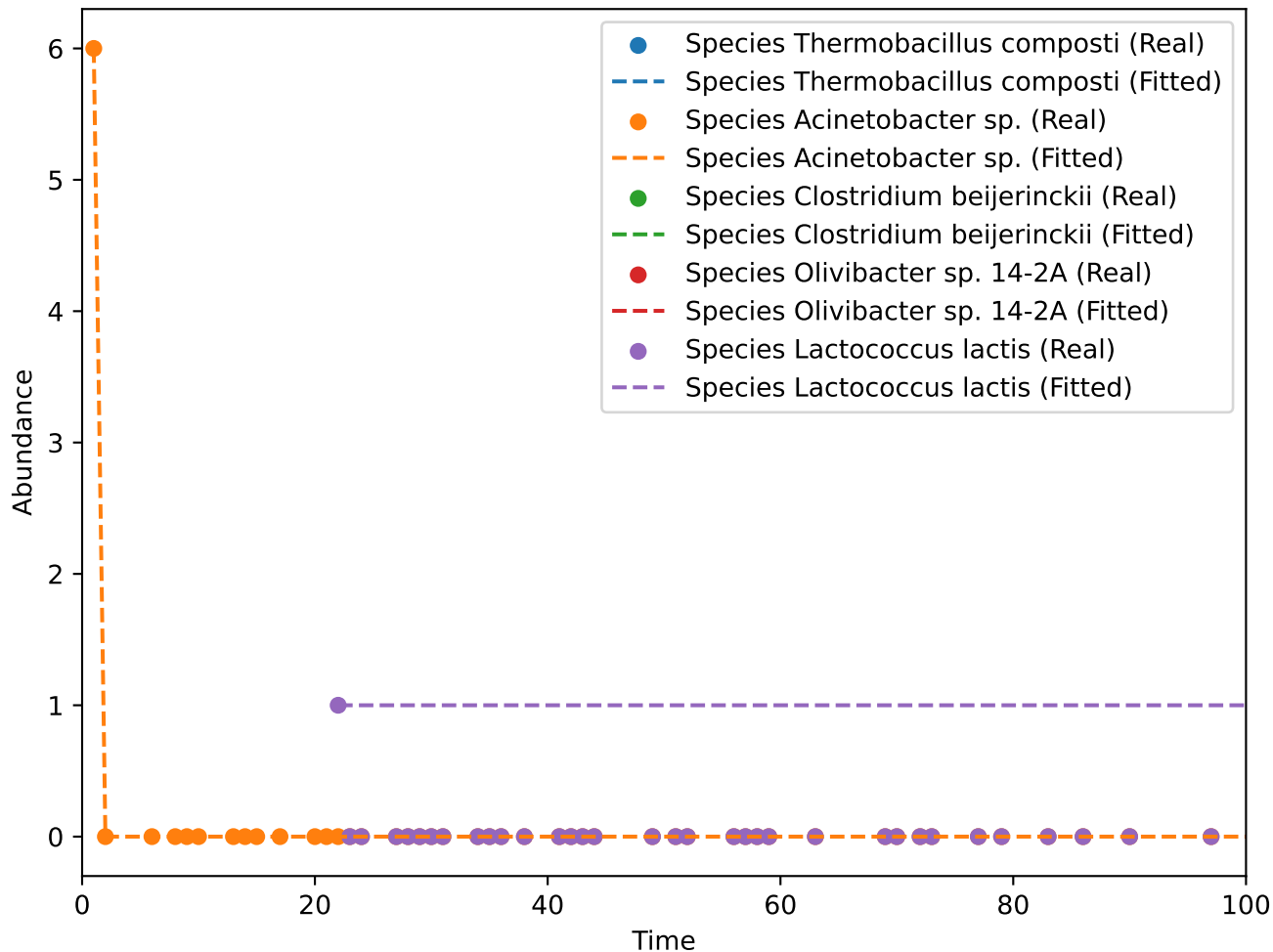




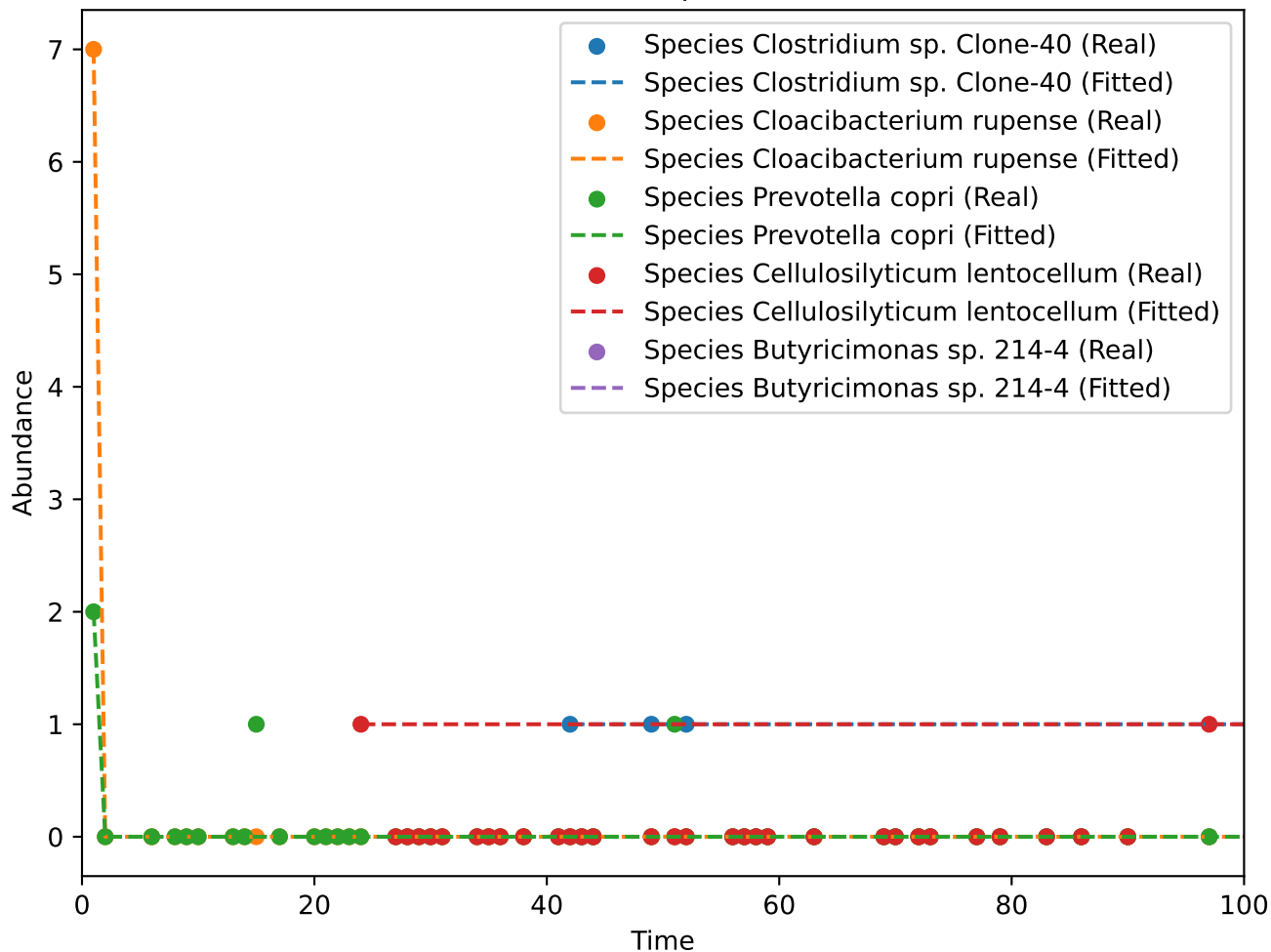
- Species Clostridium sp. L2-50 (Real)
- Species Clostridium sp. L2-50 (Fitted)
- Species Halomonas shengliensis (Real)
- Species Halomonas shengliensis (Fitted)
- Species Lactobacillus sp. BL301 (Real)
- Species Lactobacillus sp. BL301 (Fitted)
- Species Clostridium sp. Clone-7 (Real)
- Species Clostridium sp. Clone-7 (Fitted)
- Species Alfalfa witches'-broom phytoplasma (Real)
- Species Alfalfa witches'-broom phytoplasma (Fitted)



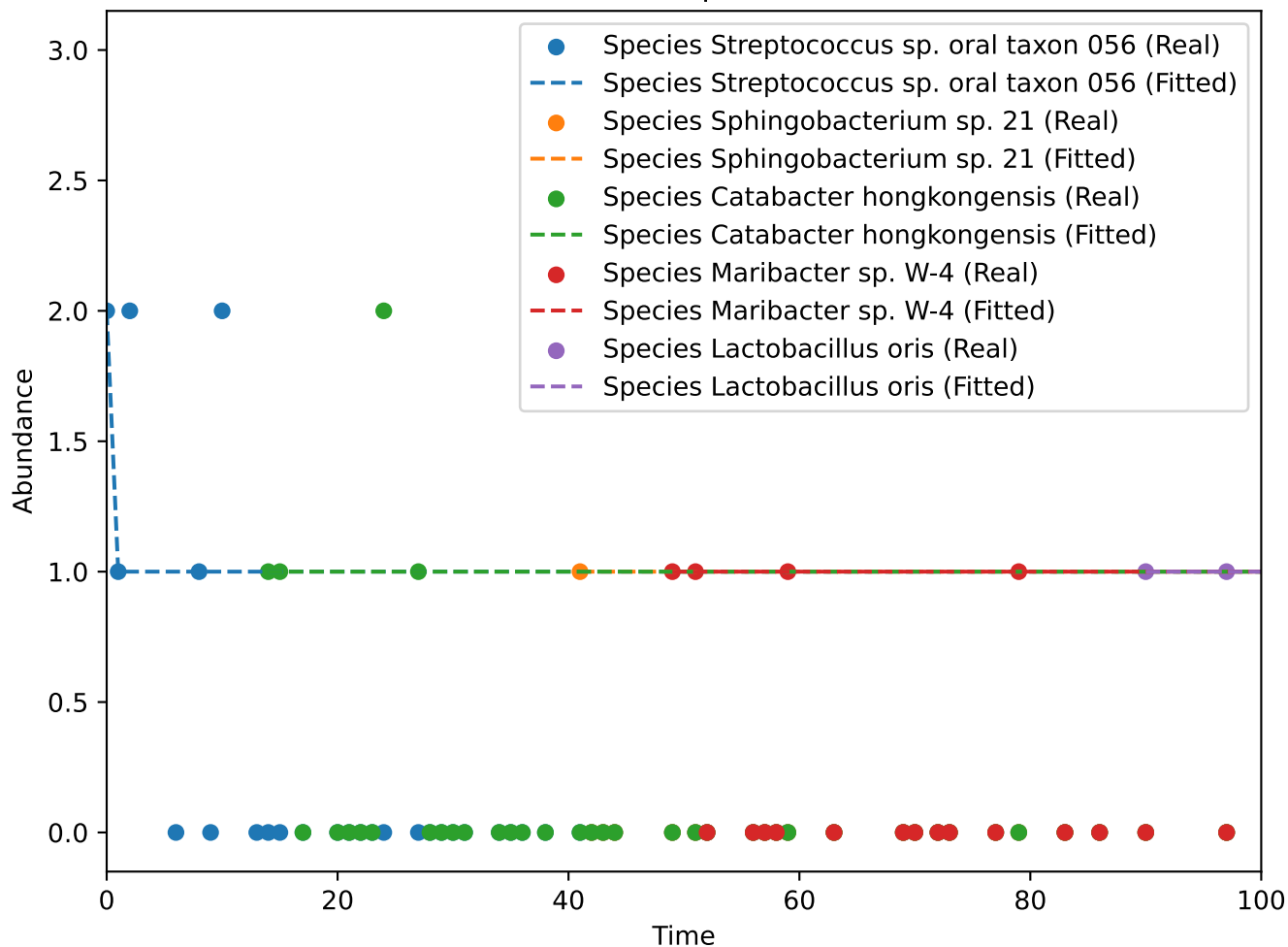
## Mouse 8 - Species Fit



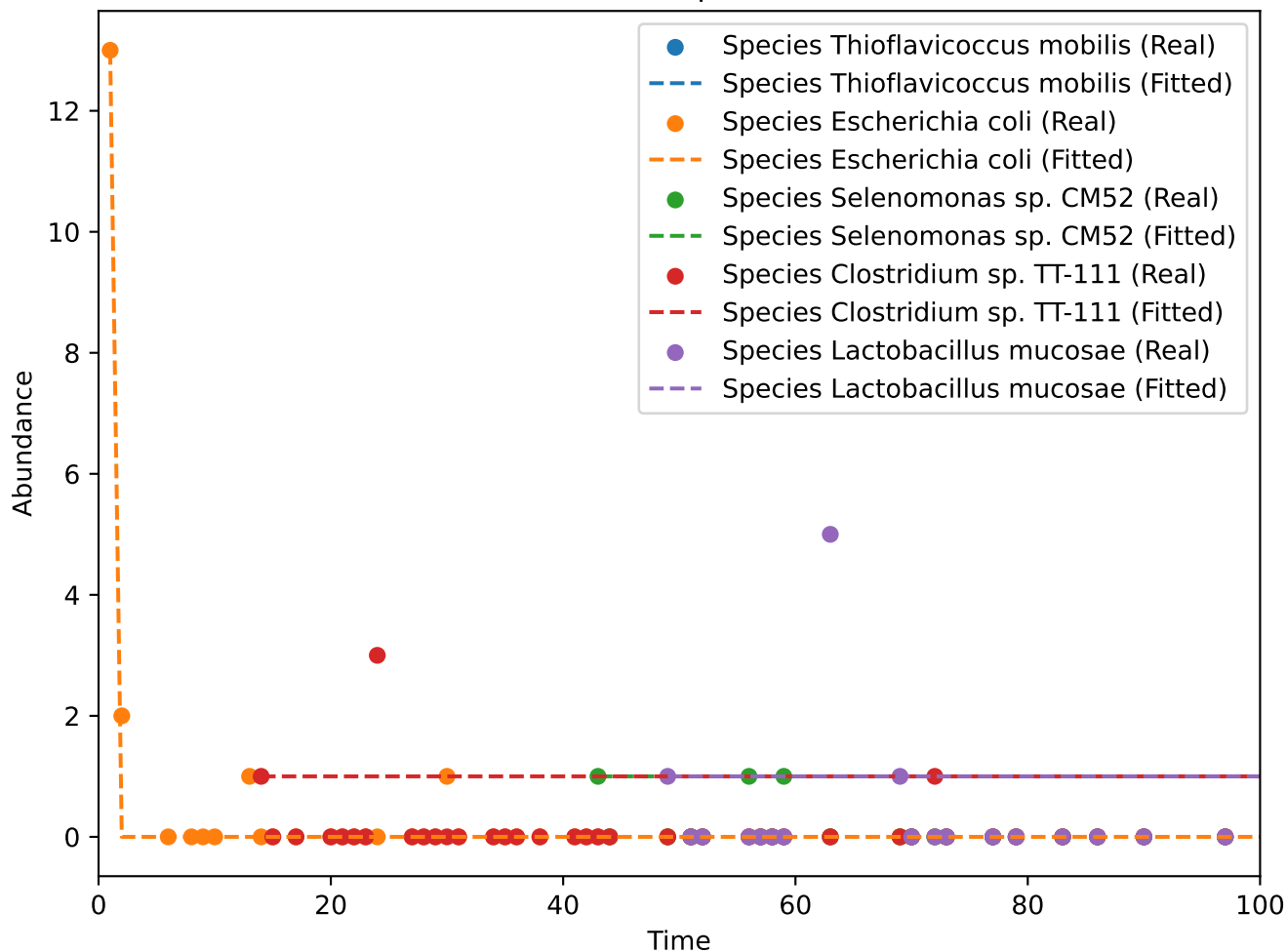
# Mouse 8 - Species Fit



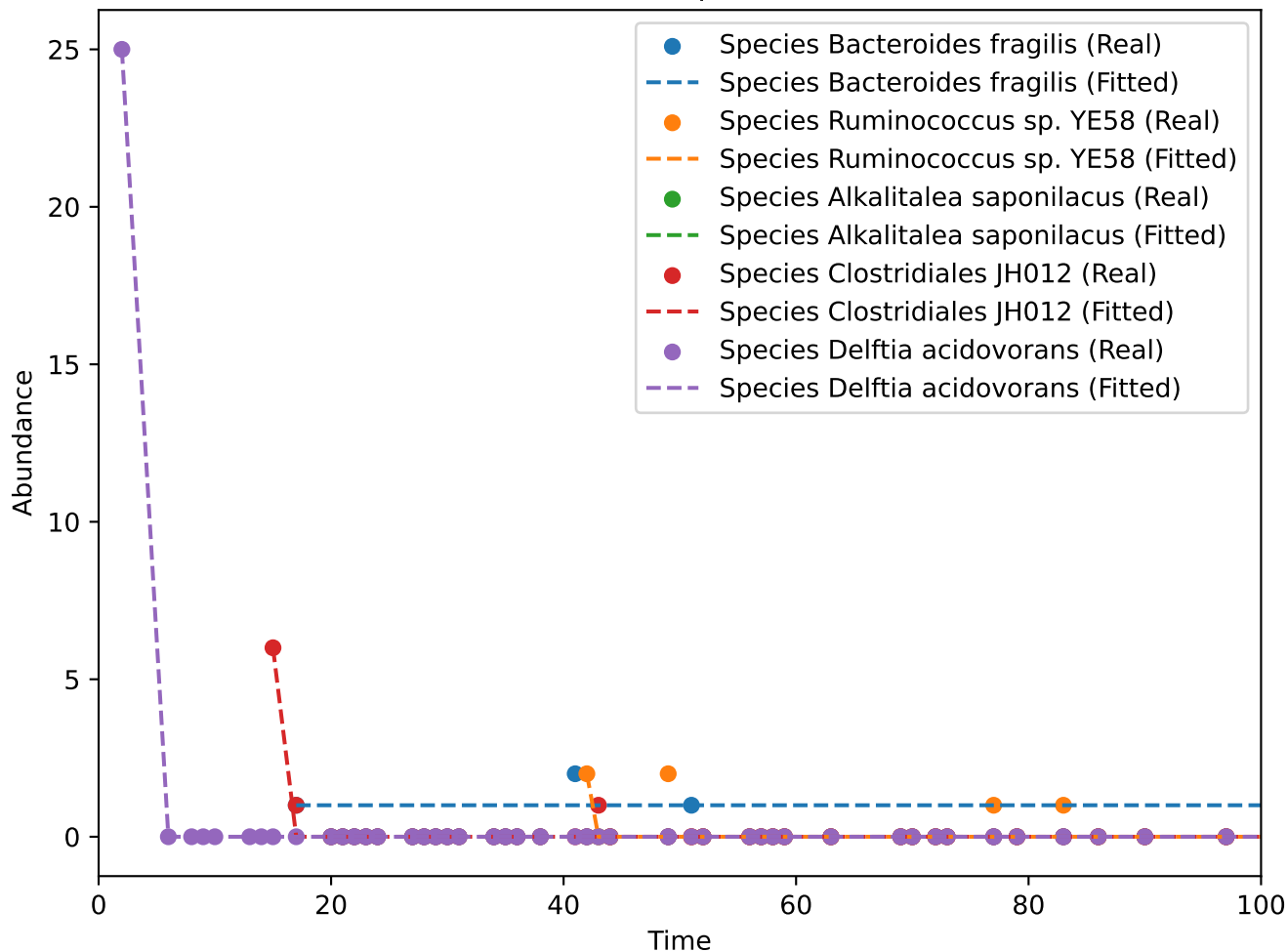
Mouse 8 - Species Fit



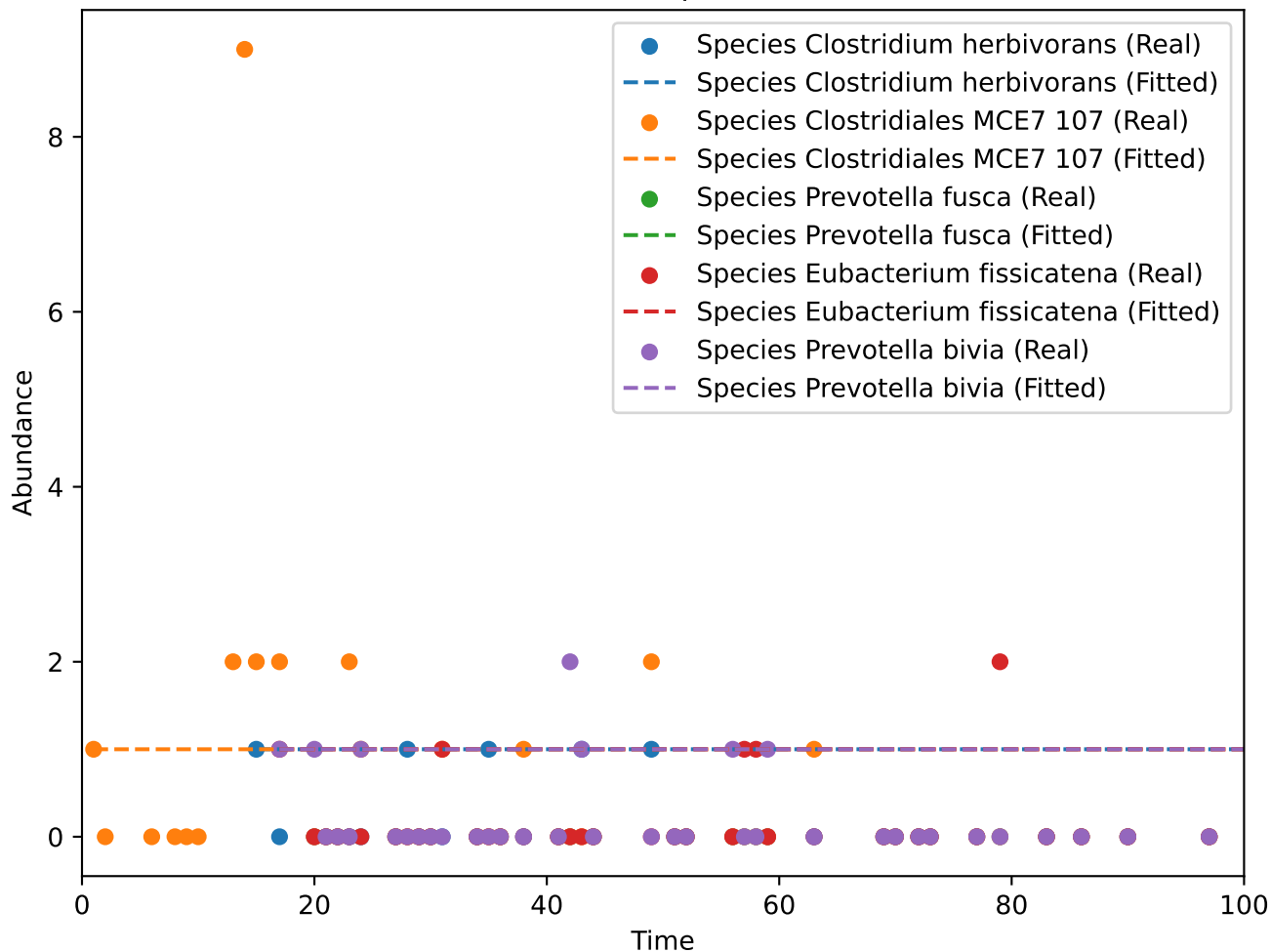
Mouse 8 - Species Fit



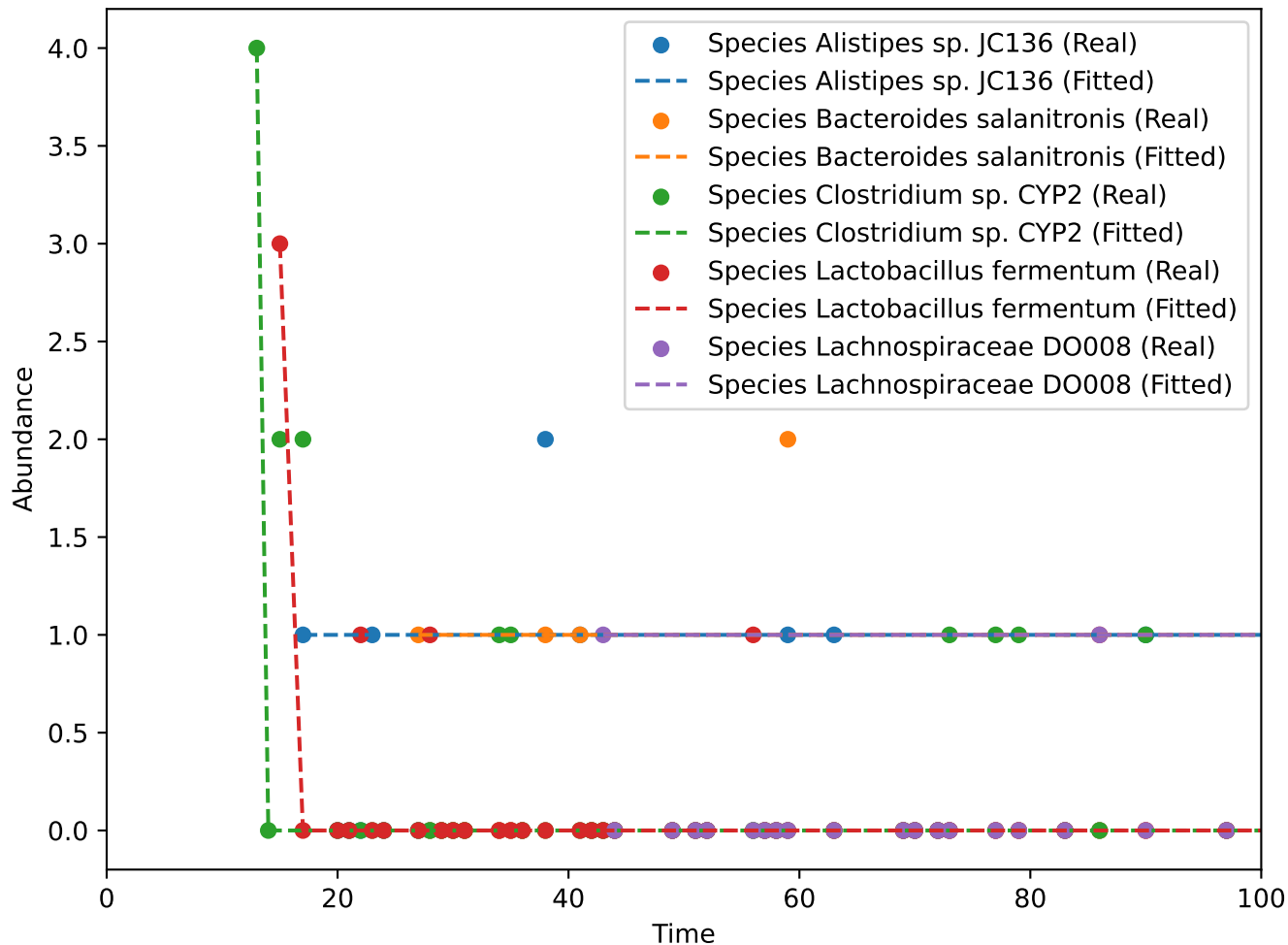
### Mouse 8 - Species Fit



# Mouse 8 - Species Fit

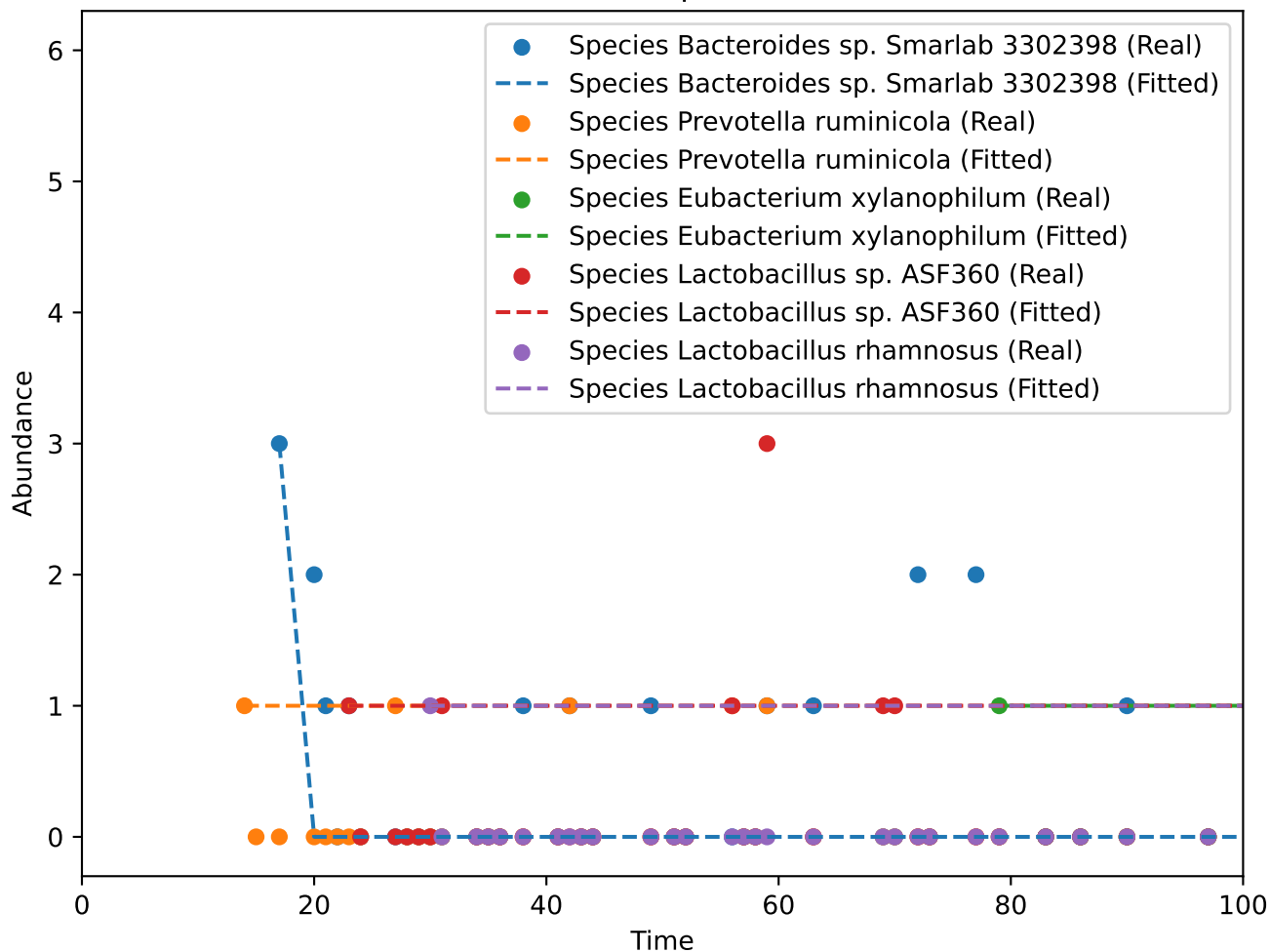


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Mouse 8 - Species Fit



Species Bacteroides nordii (Real)

Species Bacteroides nordii (Fitted)

Species Lachnospiraceae oral taxon G33 (Real)

Species Lachnospiraceae oral taxon G33 (Fitted)

Species Clostridium sp. YIT 12069 (Real)

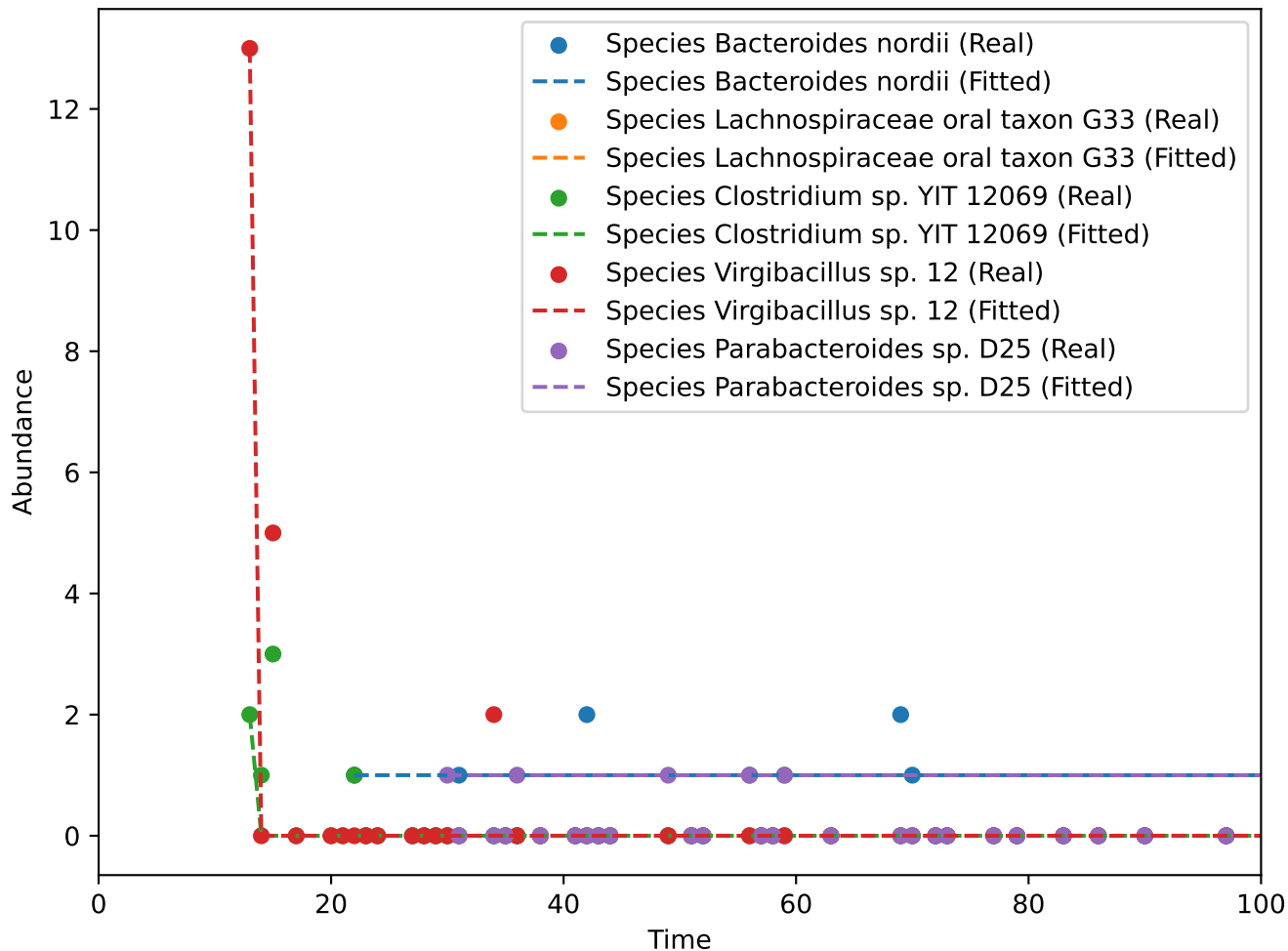
Species Clostridium sp. YIT 12069 (Fitted)

Species Virgibacillus sp. 12 (Real)

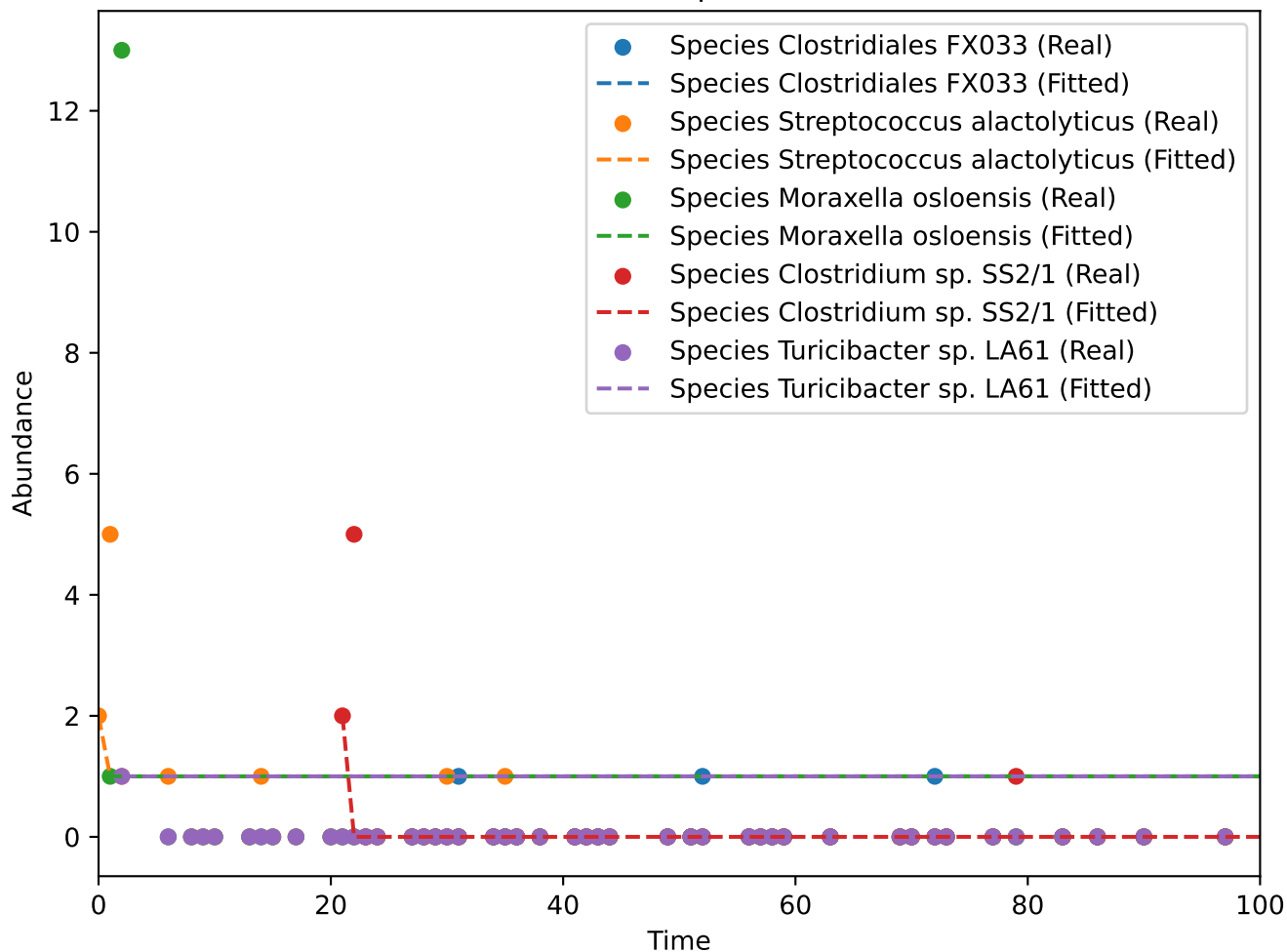
Species Virgibacillus sp. 12 (Fitted)

Species Parabacteroides sp. D25 (Real)

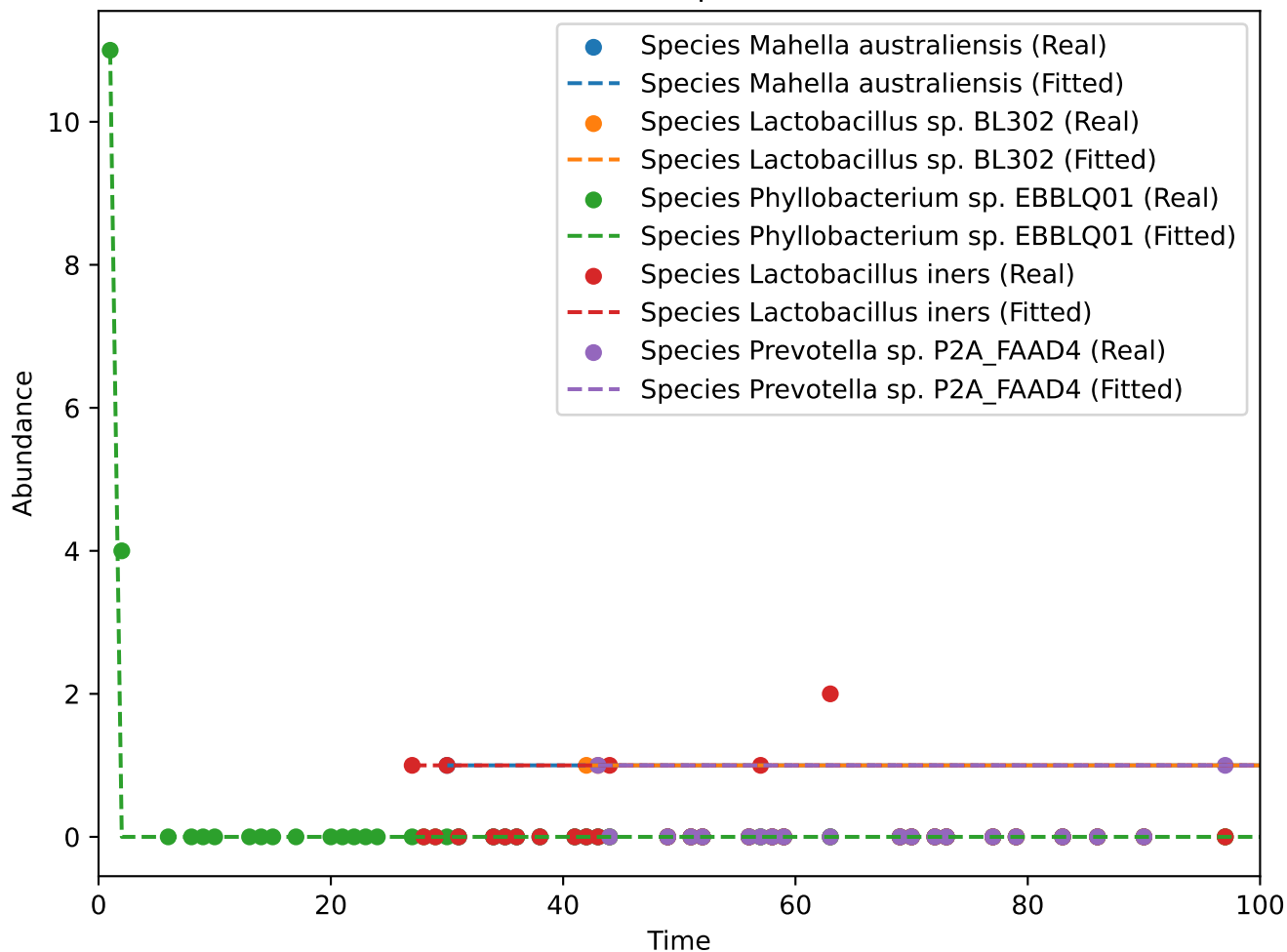
Species Parabacteroides sp. D25 (Fitted)



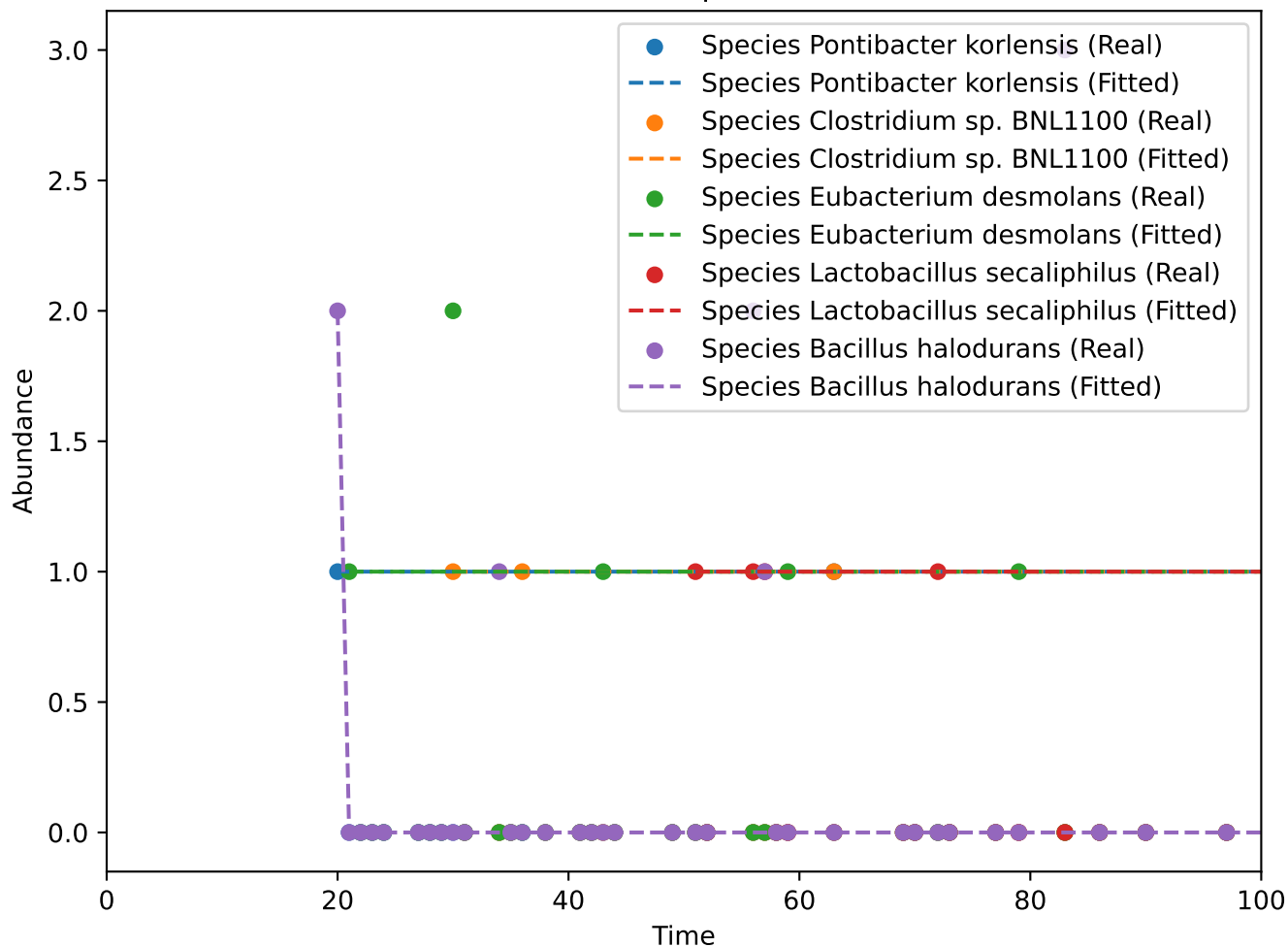
Mouse 8 - Species Fit



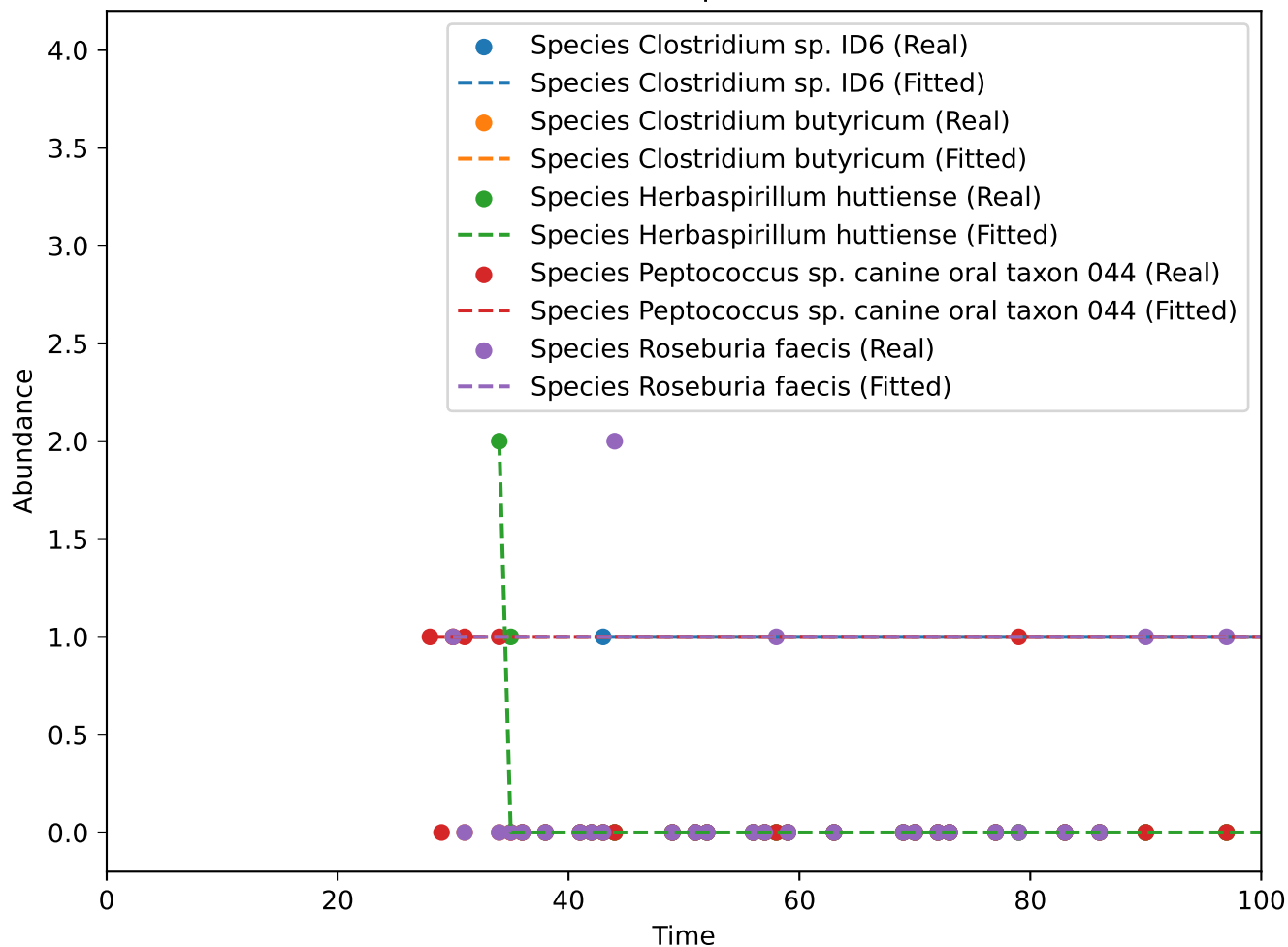
Mouse 8 - Species Fit



Mouse 8 - Species Fit



# Mouse 8 - Species Fit



Mouse 8 - Species Fit

