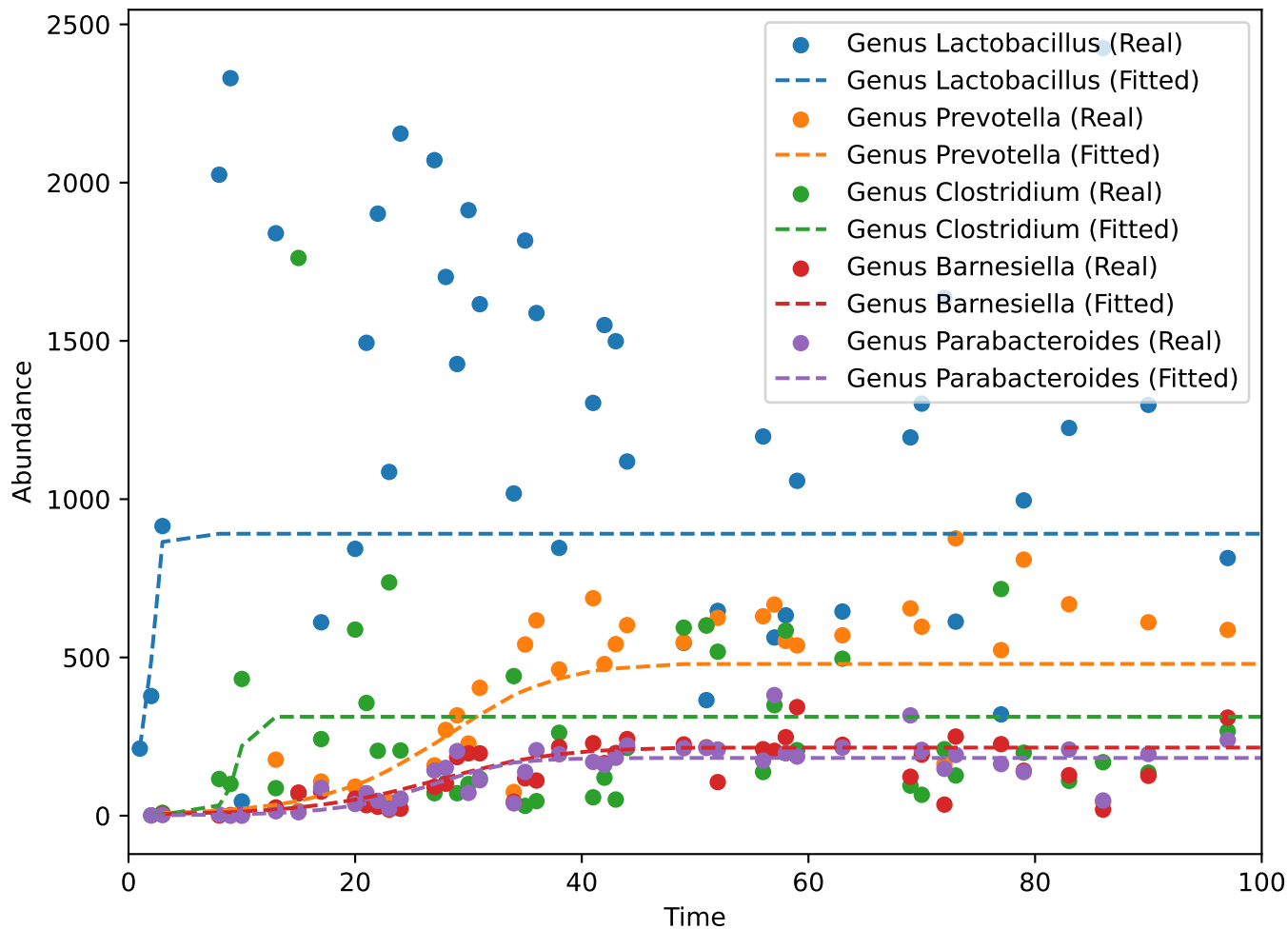
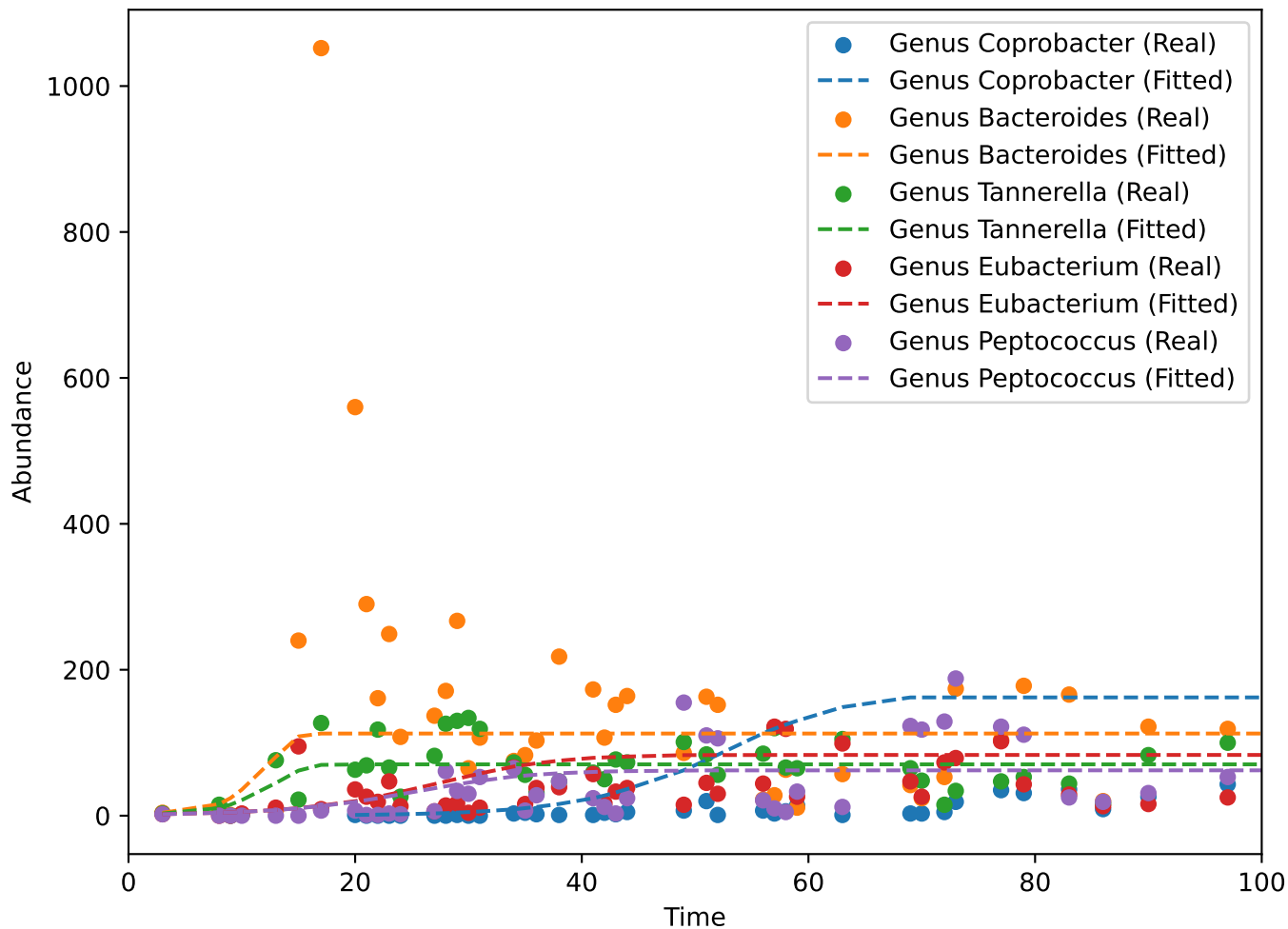


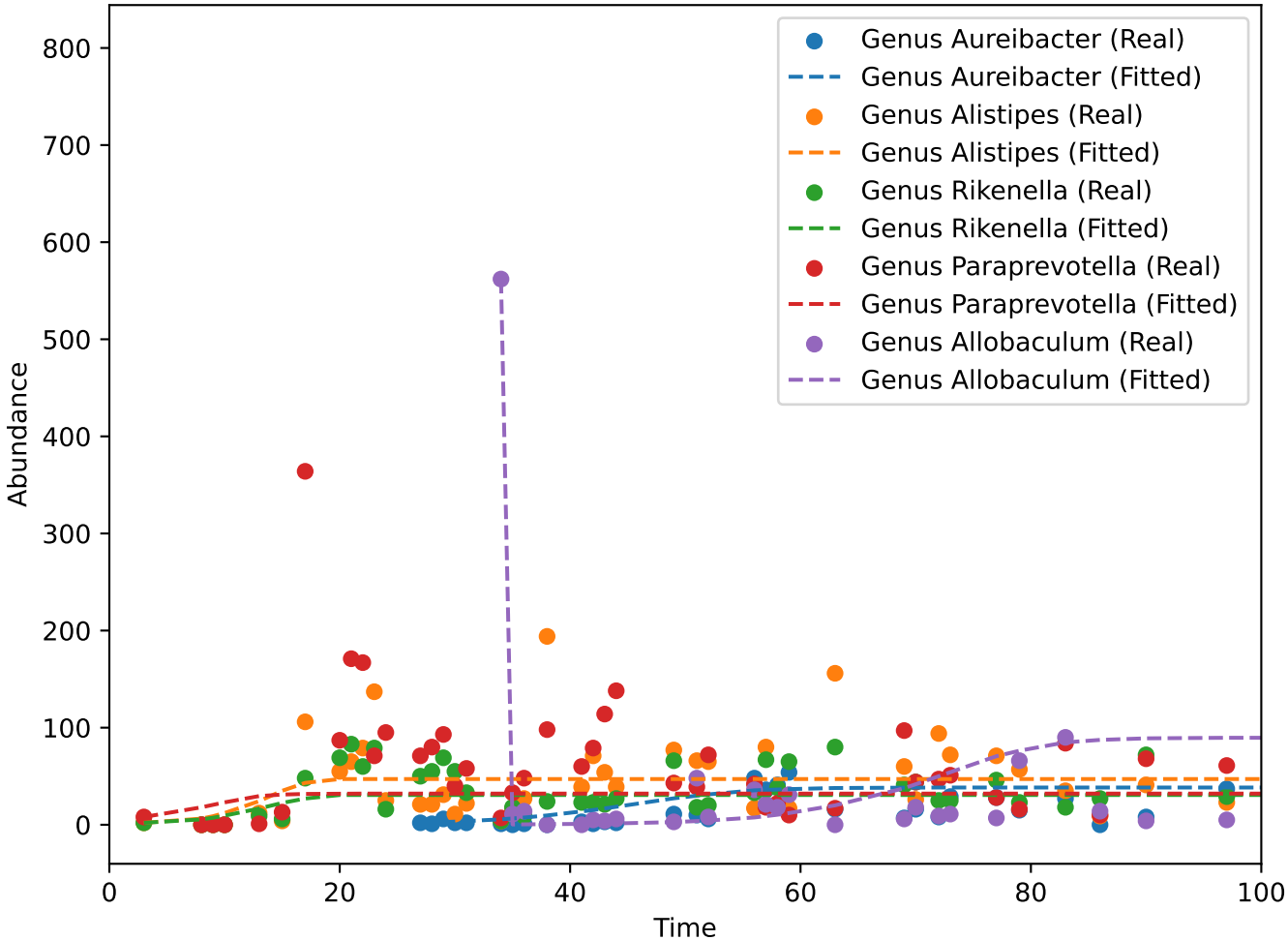
Mouse 5 - Genus Fit



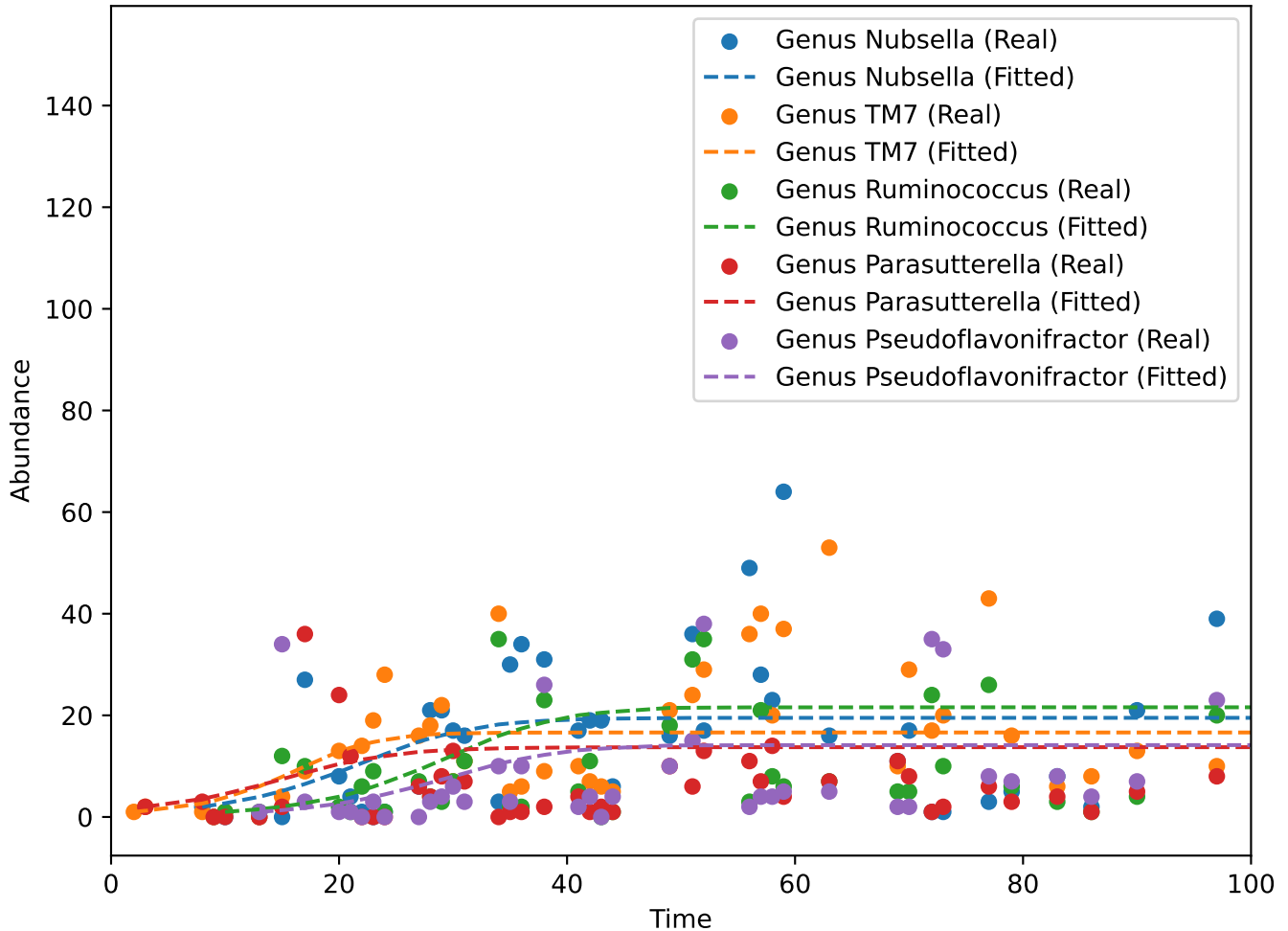
Mouse 5 - Genus Fit



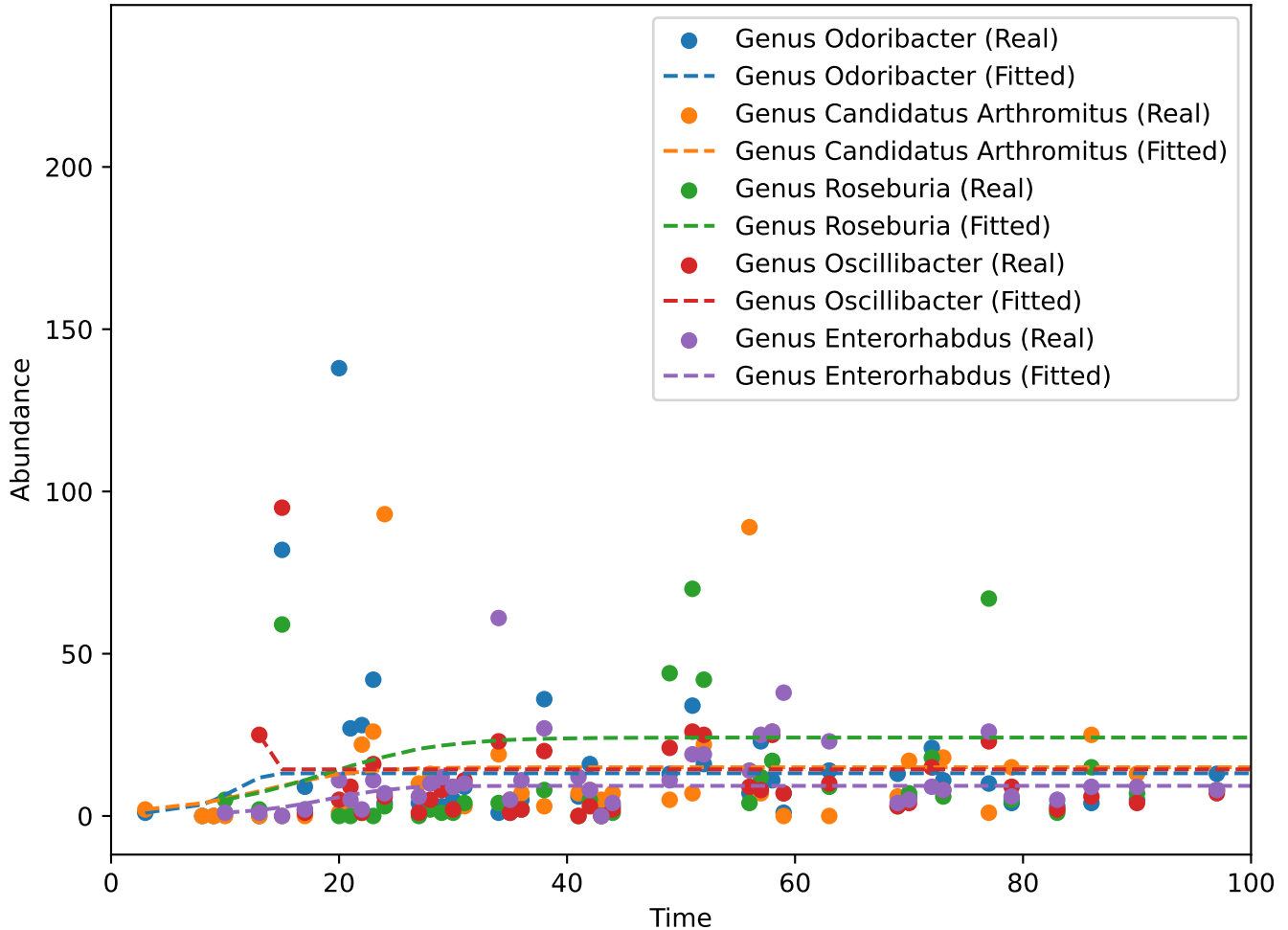
## Mouse 5 - Genus Fit



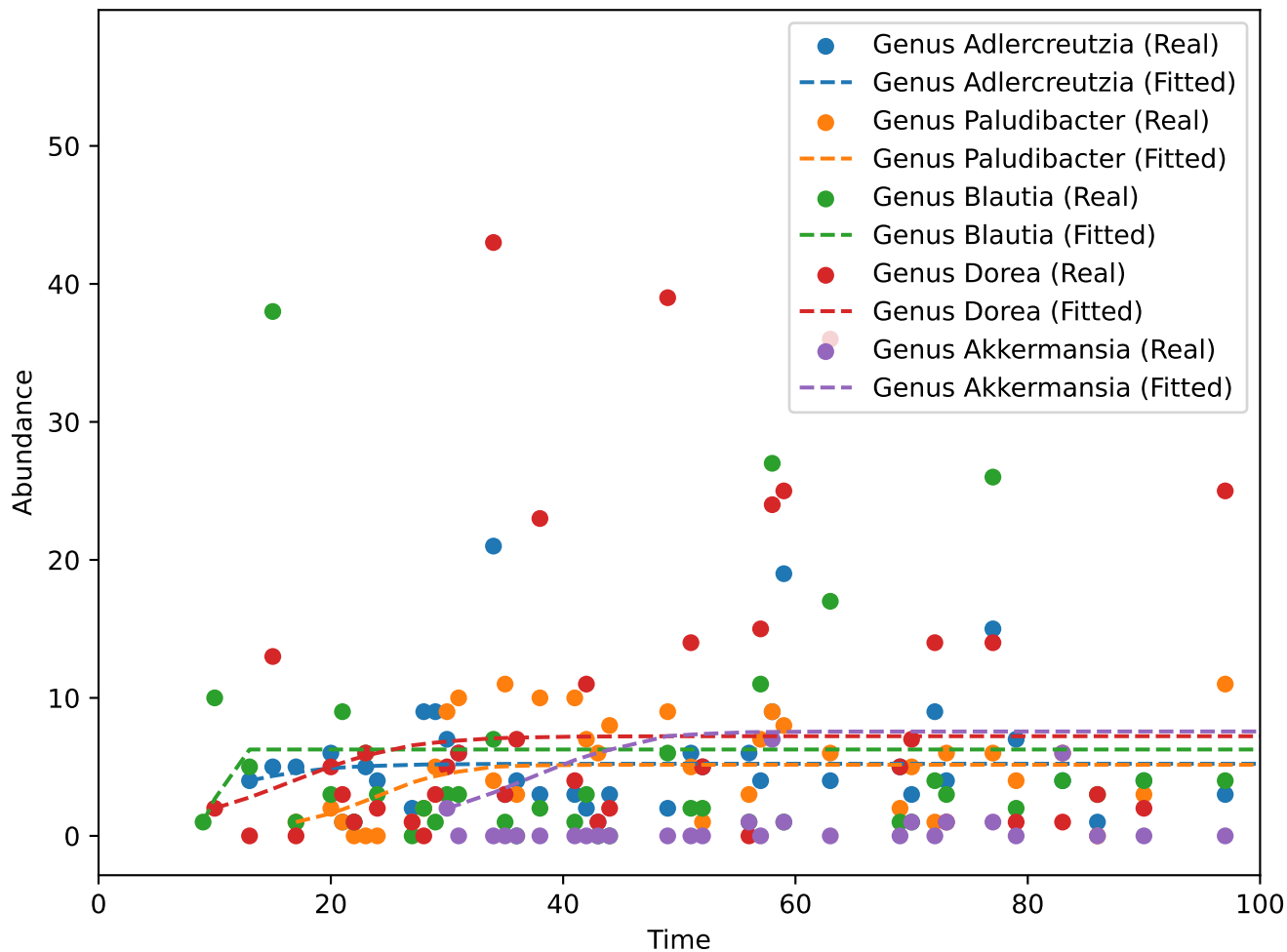
Mouse 5 - Genus Fit



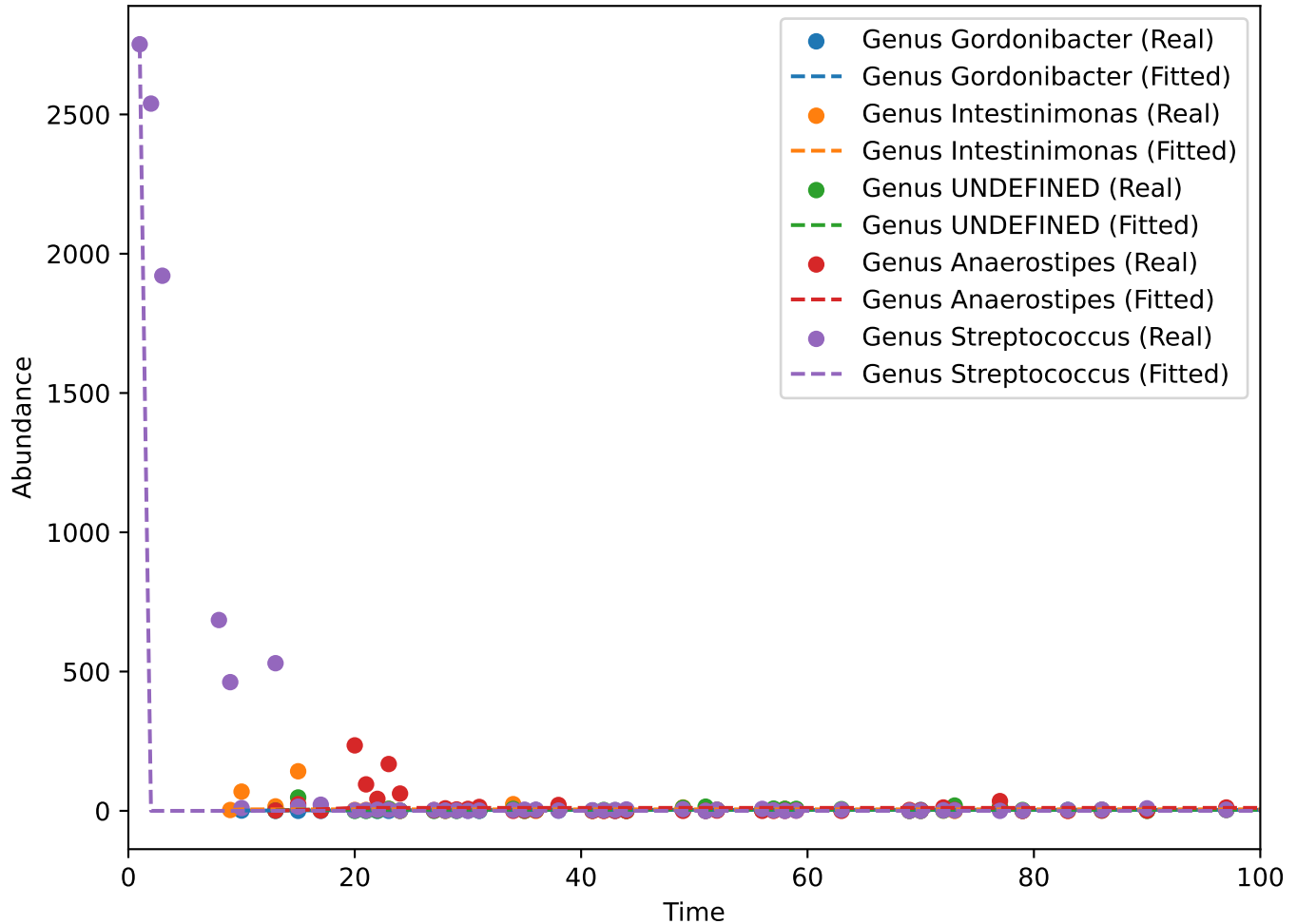
Mouse 5 - Genus Fit



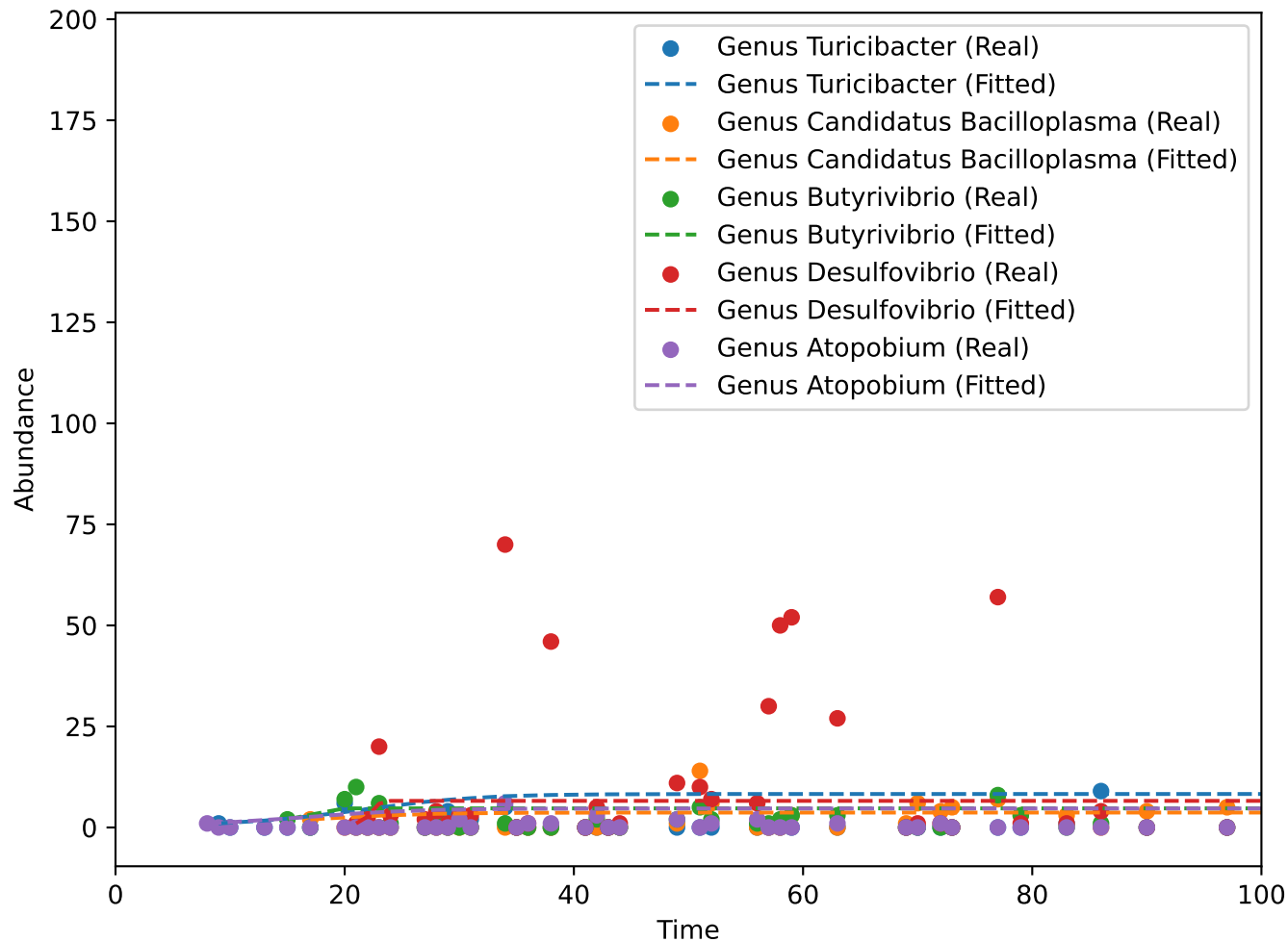
Mouse 5 - Genus Fit



## Mouse 5 - Genus Fit

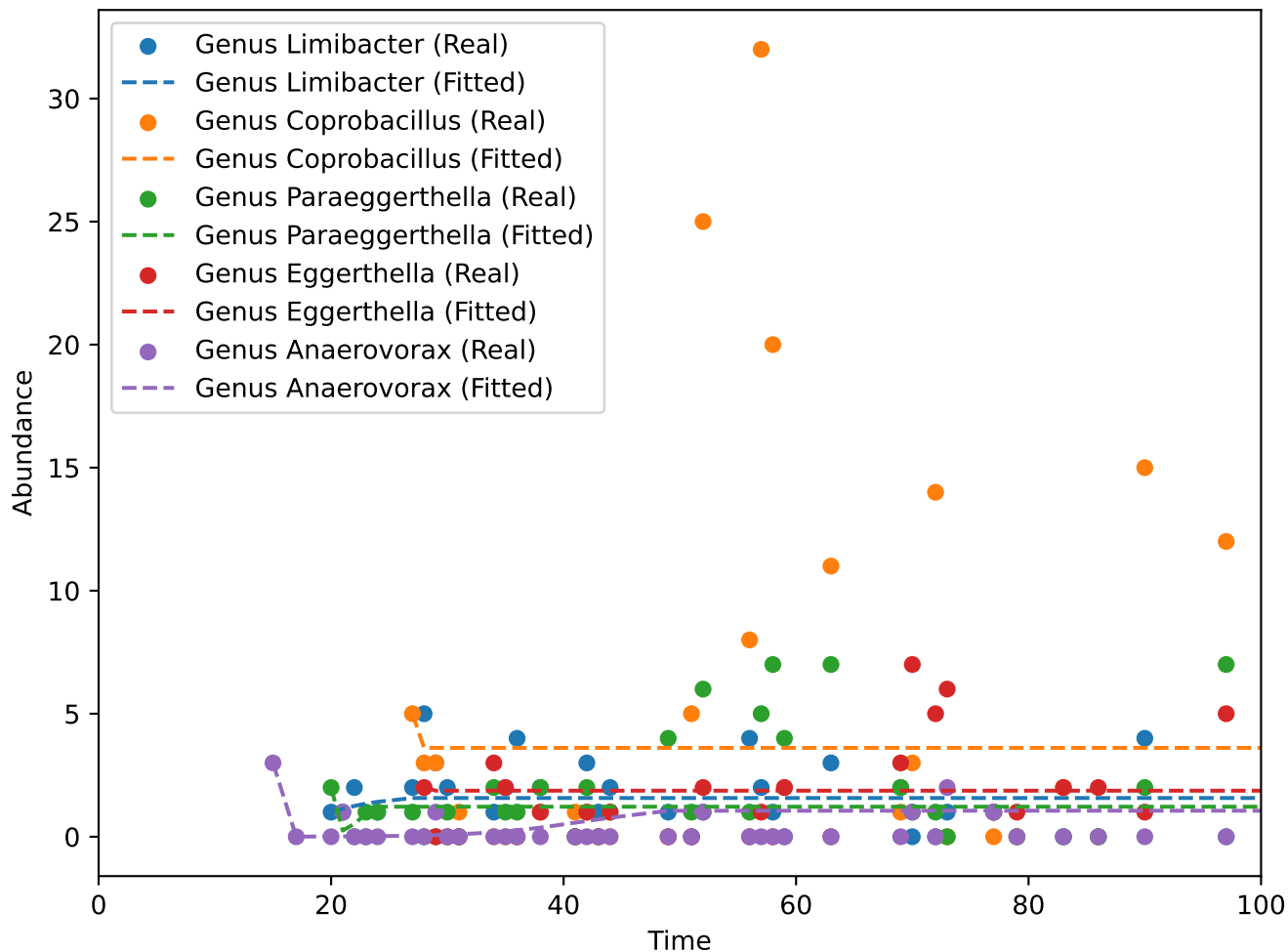


Mouse 5 - Genus Fit

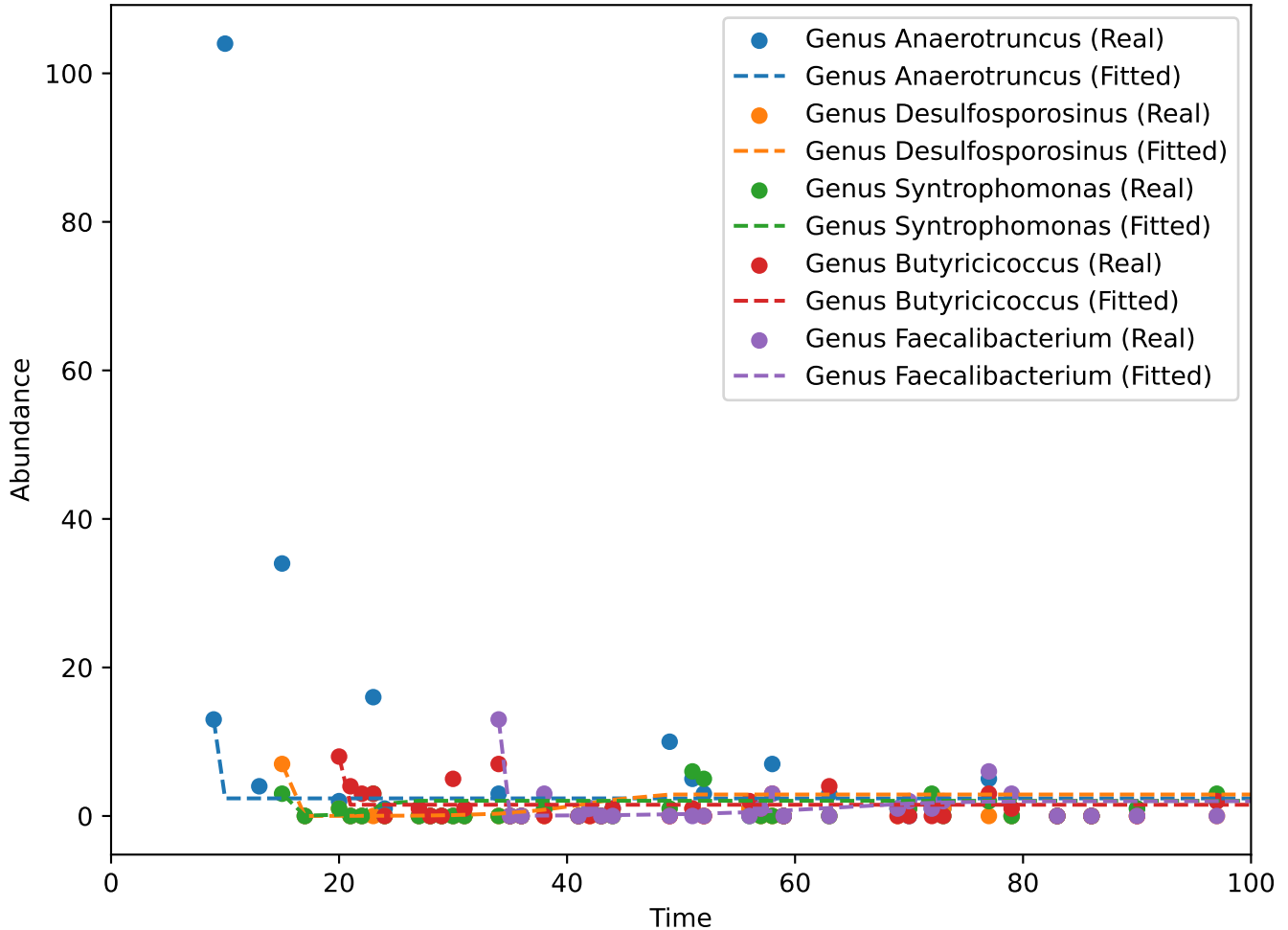




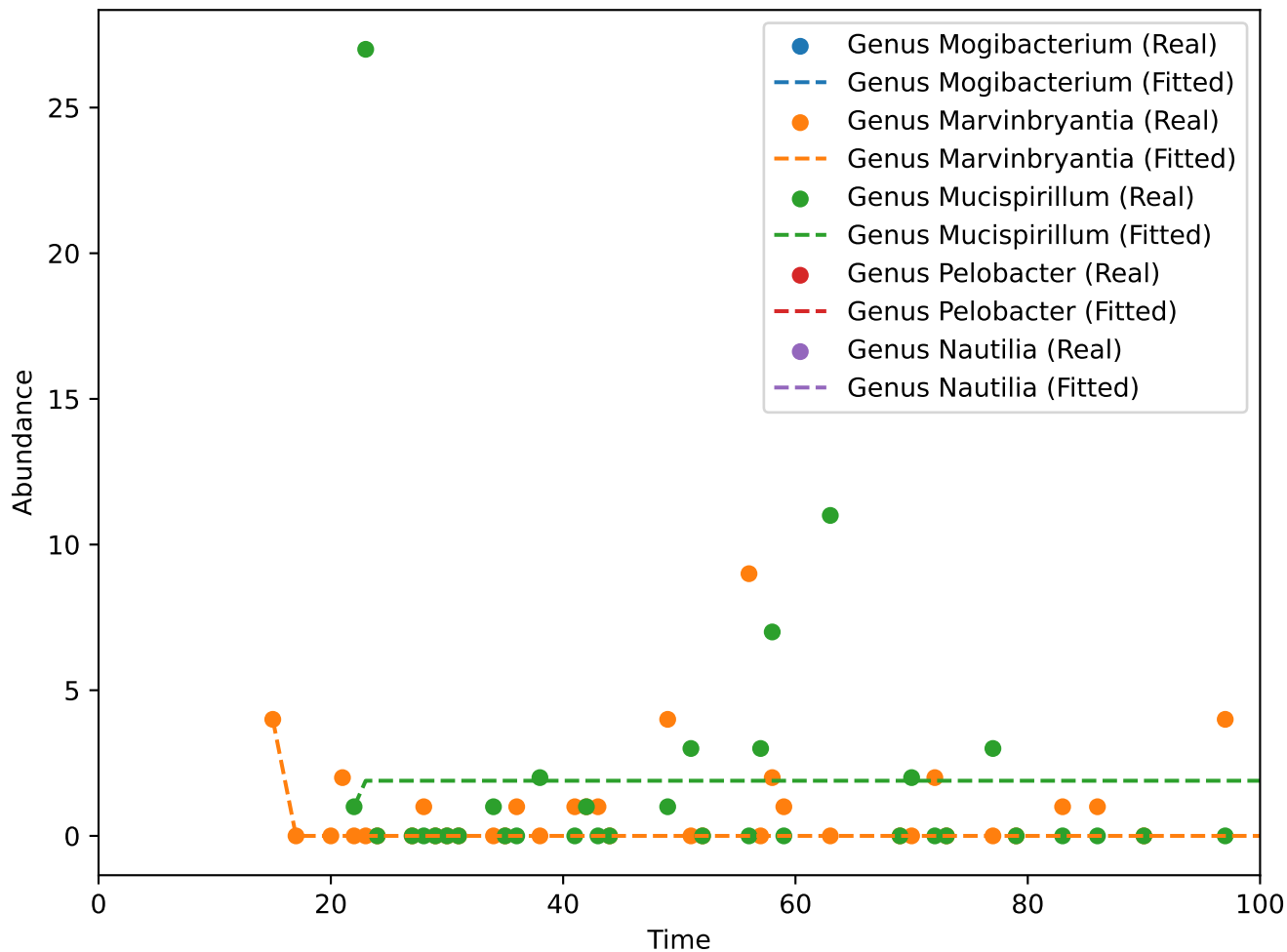
Mouse 5 - Genus Fit



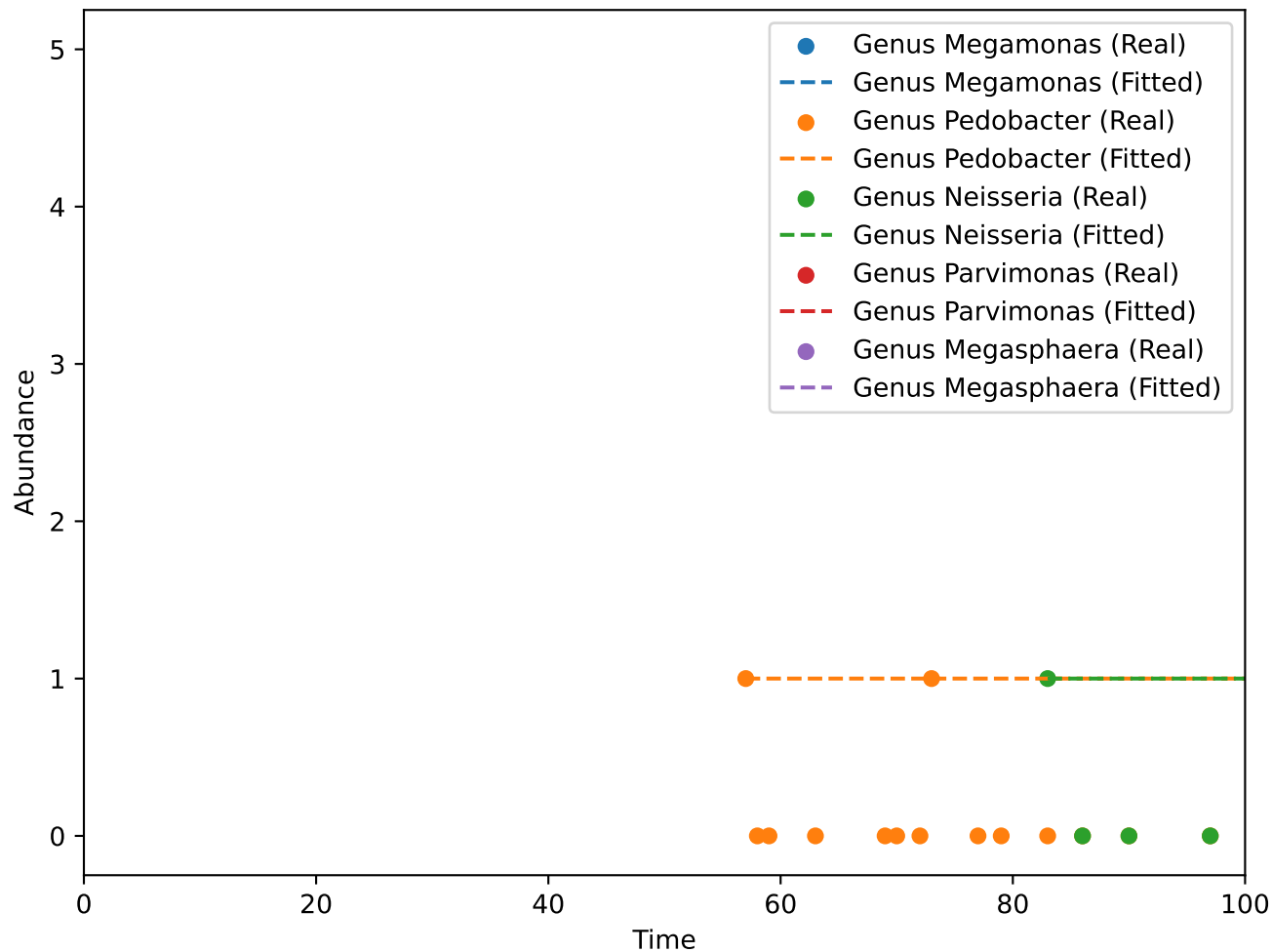
Mouse 5 - Genus Fit



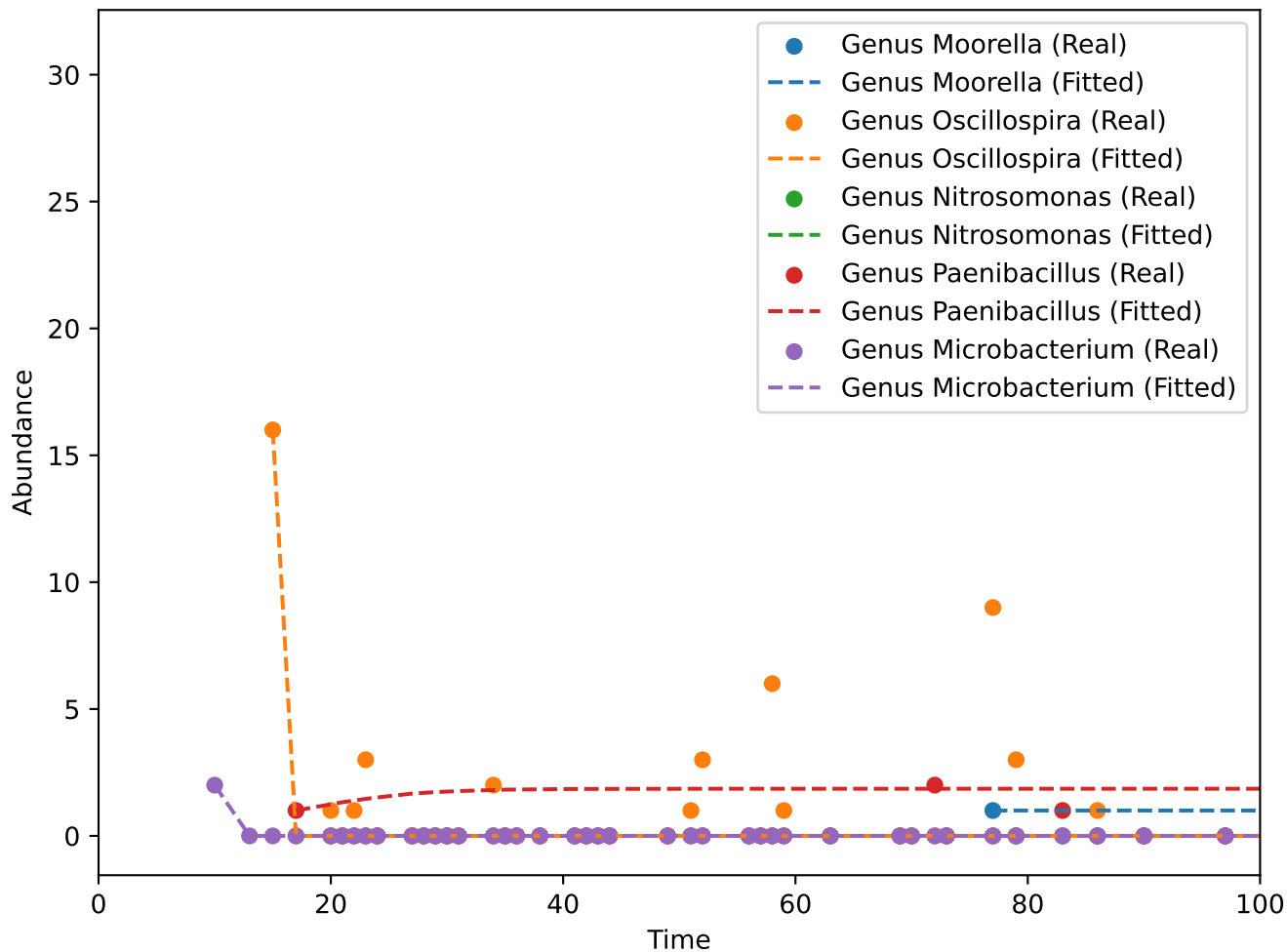
Mouse 5 - Genus Fit



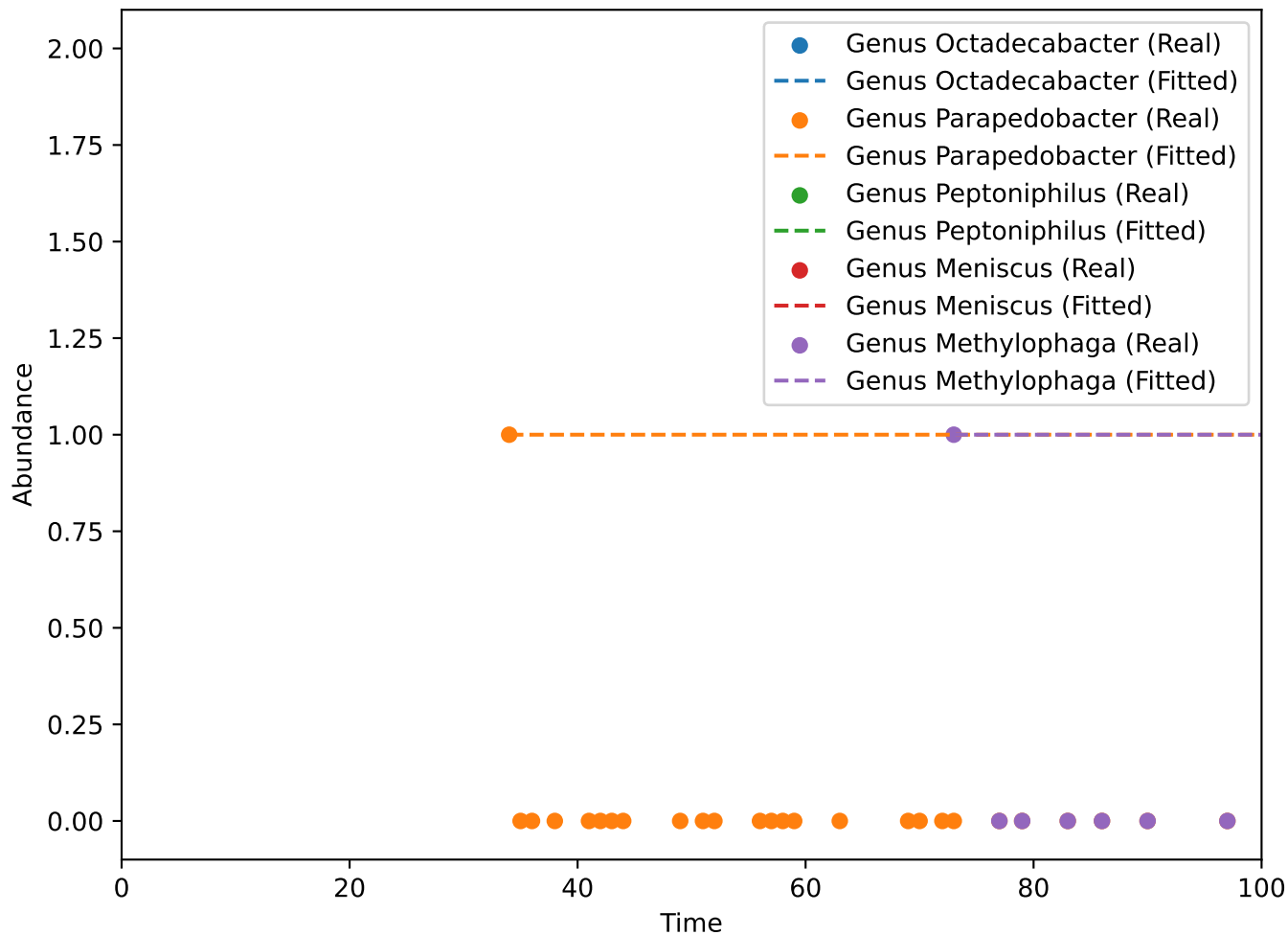
Mouse 5 - Genus Fit



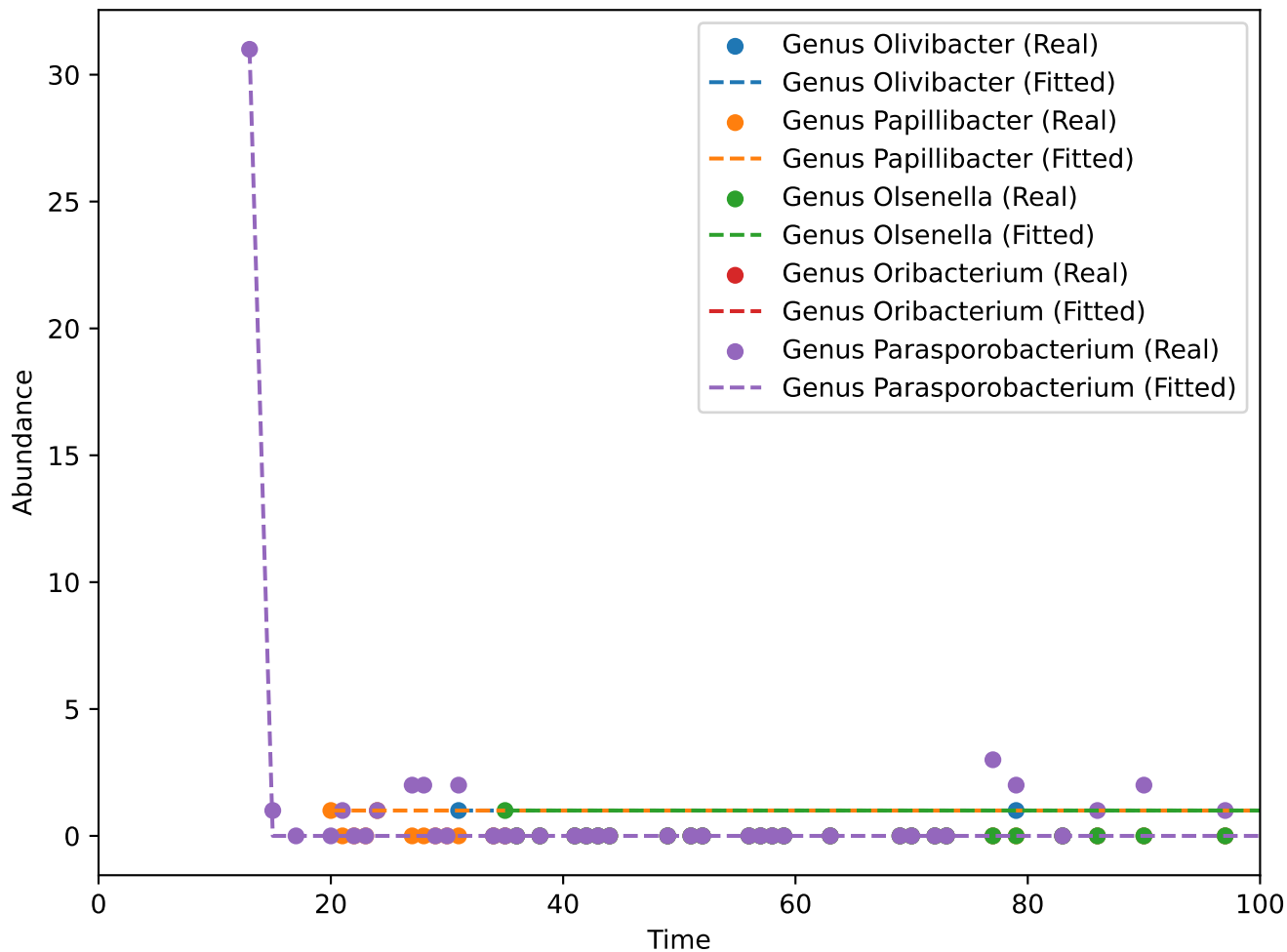
Mouse 5 - Genus Fit



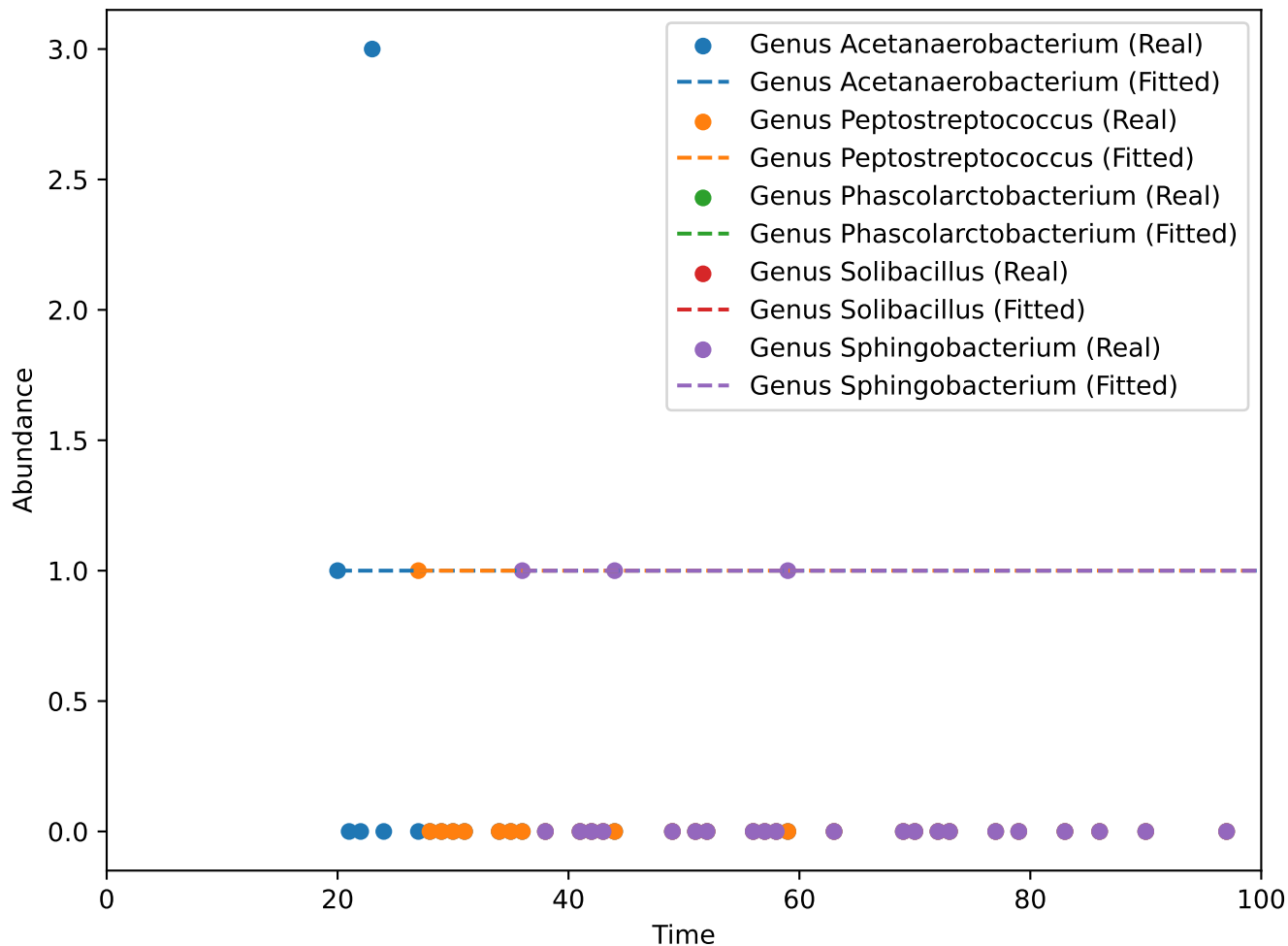
Mouse 5 - Genus Fit



Mouse 5 - Genus Fit

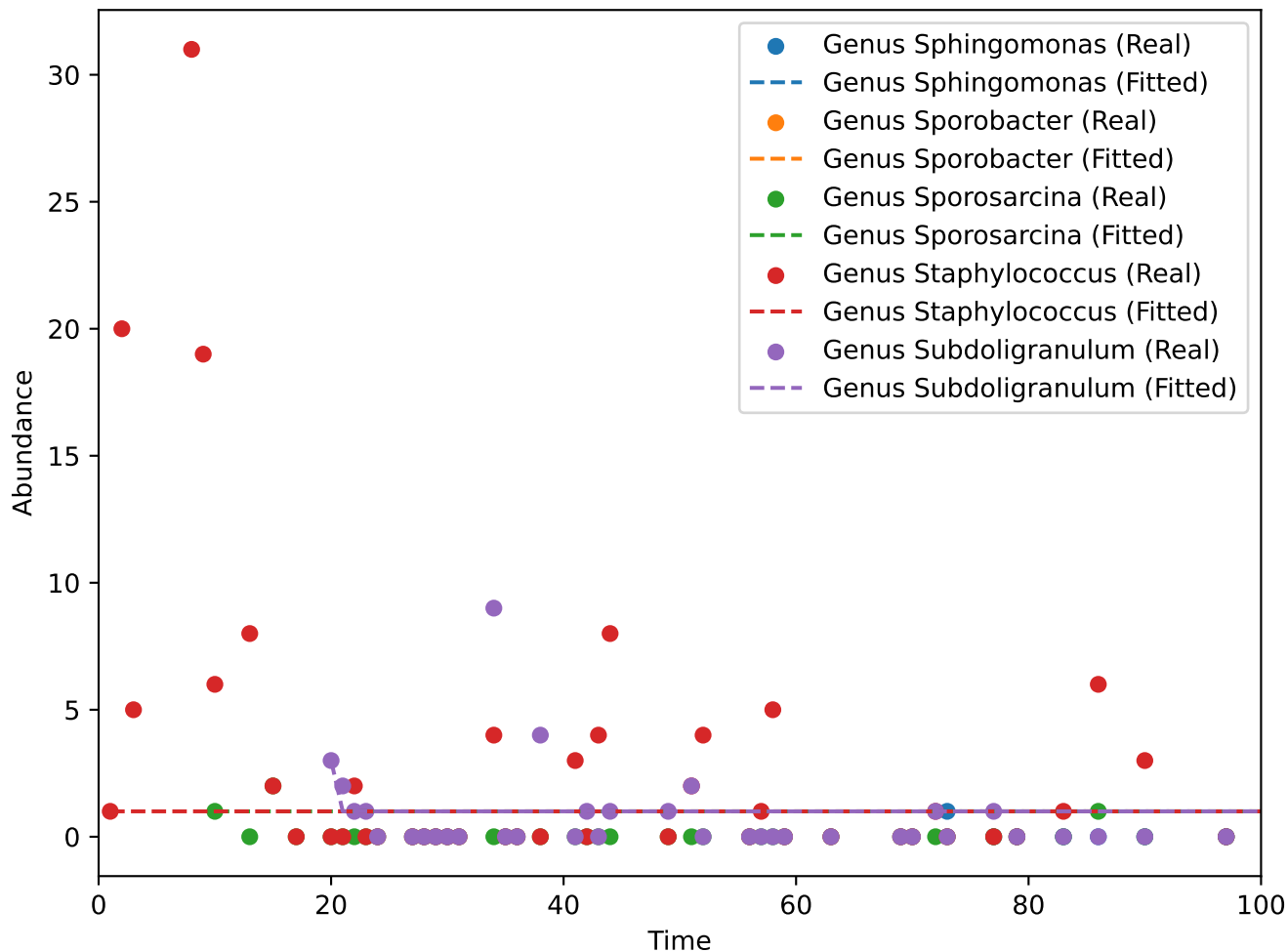


Mouse 5 - Genus Fit

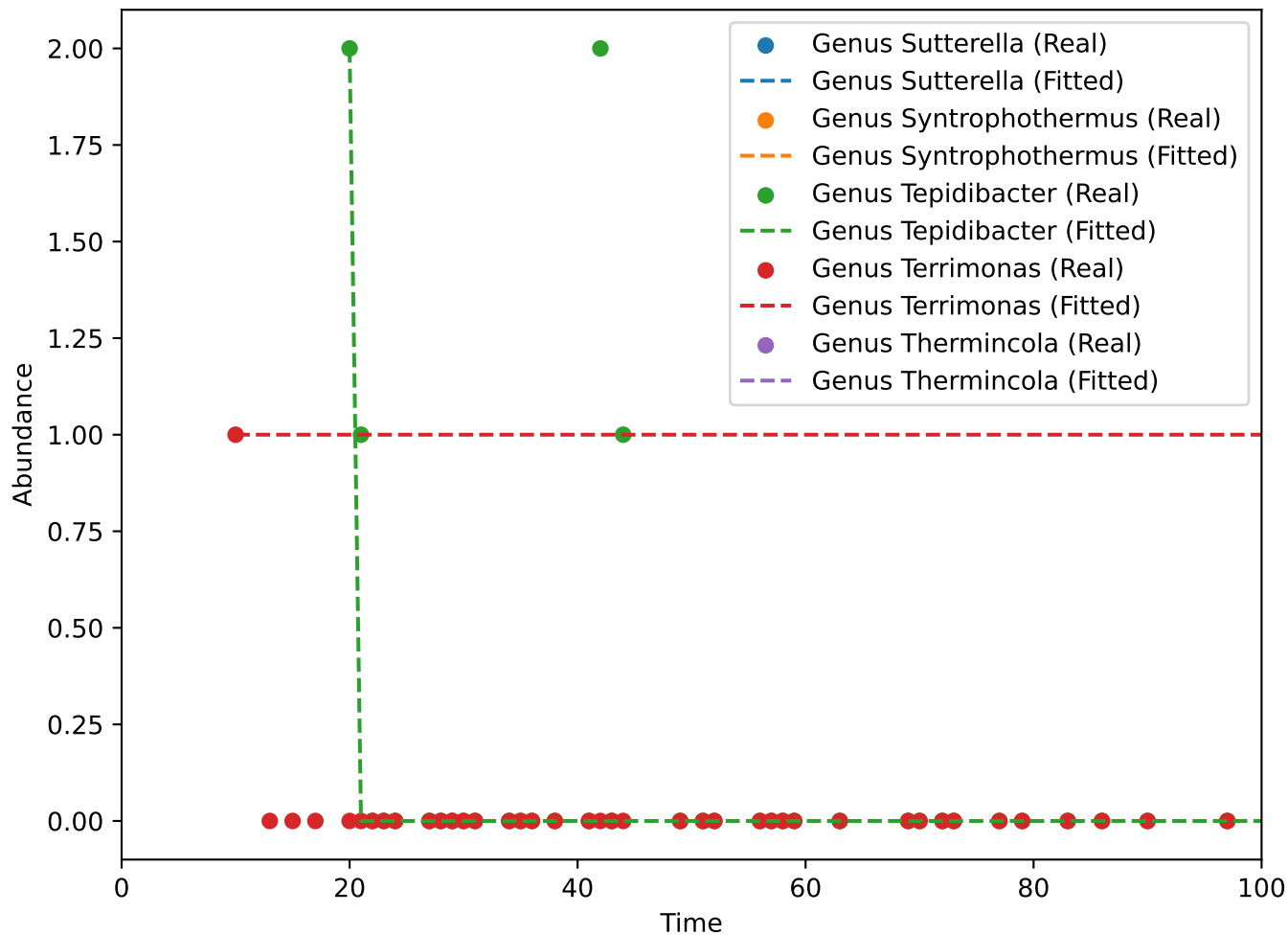




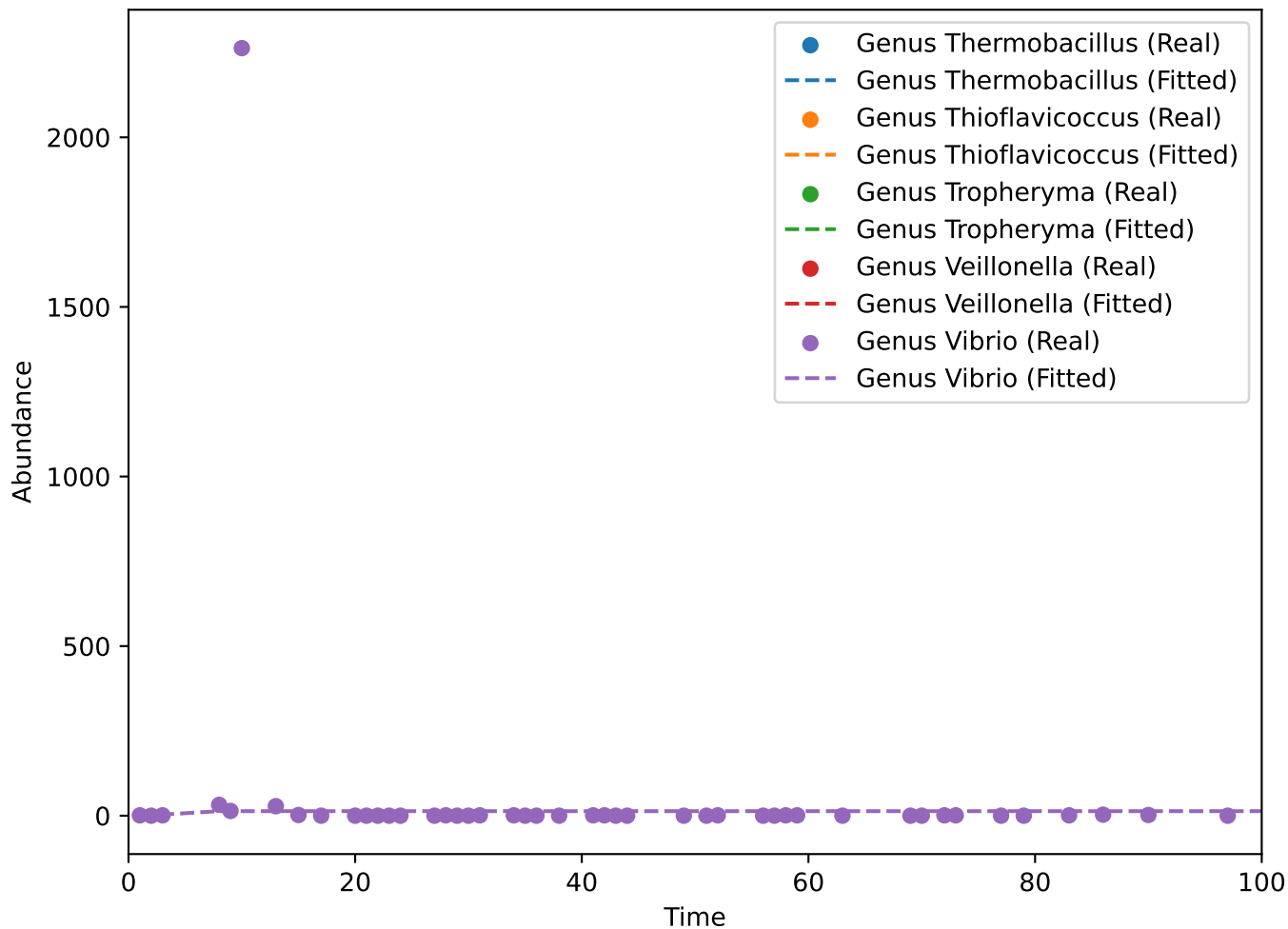
Mouse 5 - Genus Fit



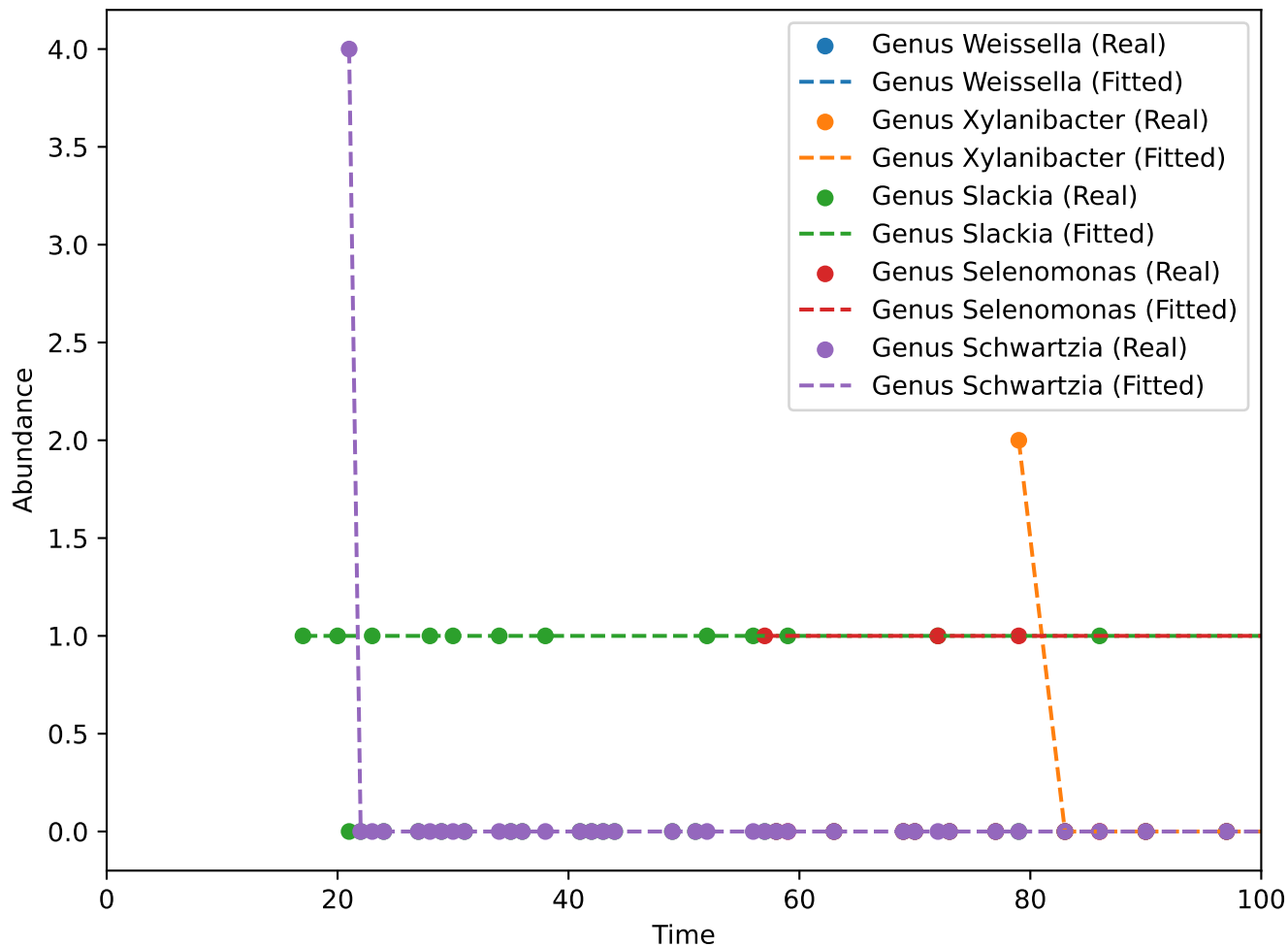
Mouse 5 - Genus Fit



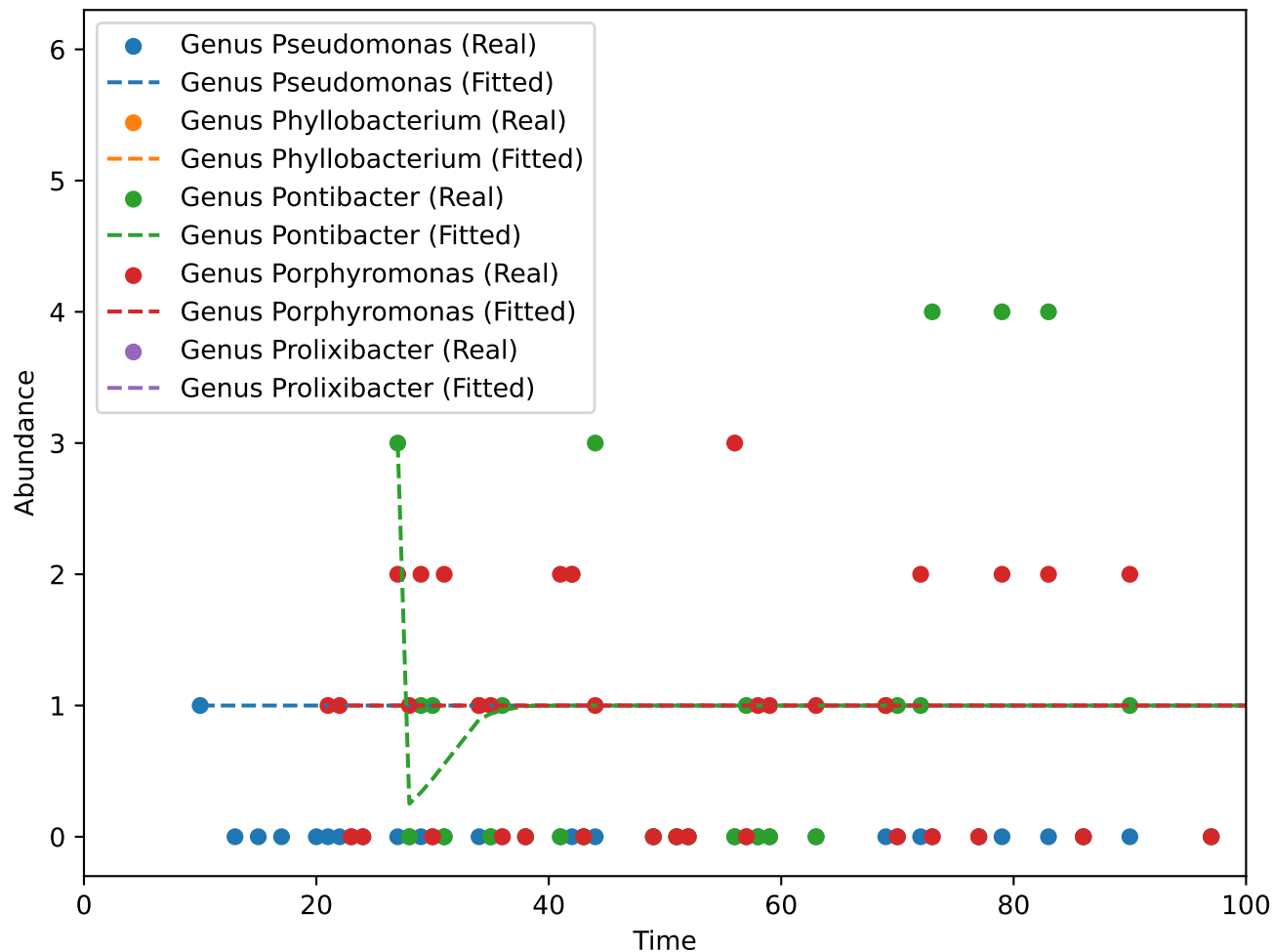
Mouse 5 - Genus Fit



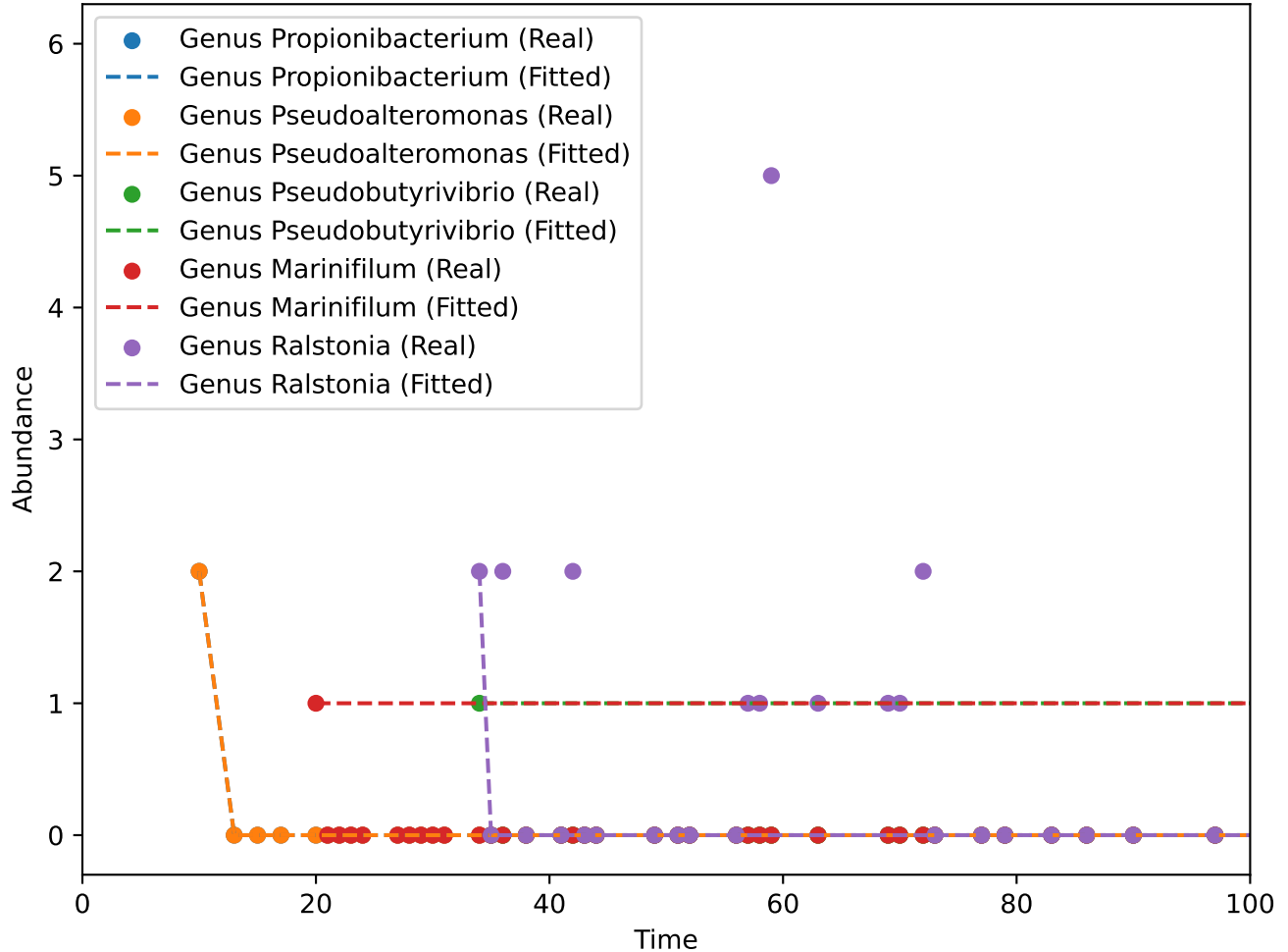
Mouse 5 - Genus Fit



Mouse 5 - Genus Fit



- Genus *Propionibacterium* (Real)
- Genus *Propionibacterium* (Fitted)
- Genus *Pseudoalteromonas* (Real)
- Genus *Pseudoalteromonas* (Fitted)
- Genus *Pseudobutyrvibrio* (Real)
- Genus *Pseudobutyrvibrio* (Fitted)
- Genus *Marinifilum* (Real)
- Genus *Marinifilum* (Fitted)
- Genus *Ralstonia* (Real)
- Genus *Ralstonia* (Fitted)



Mouse 5 - Genus Fit

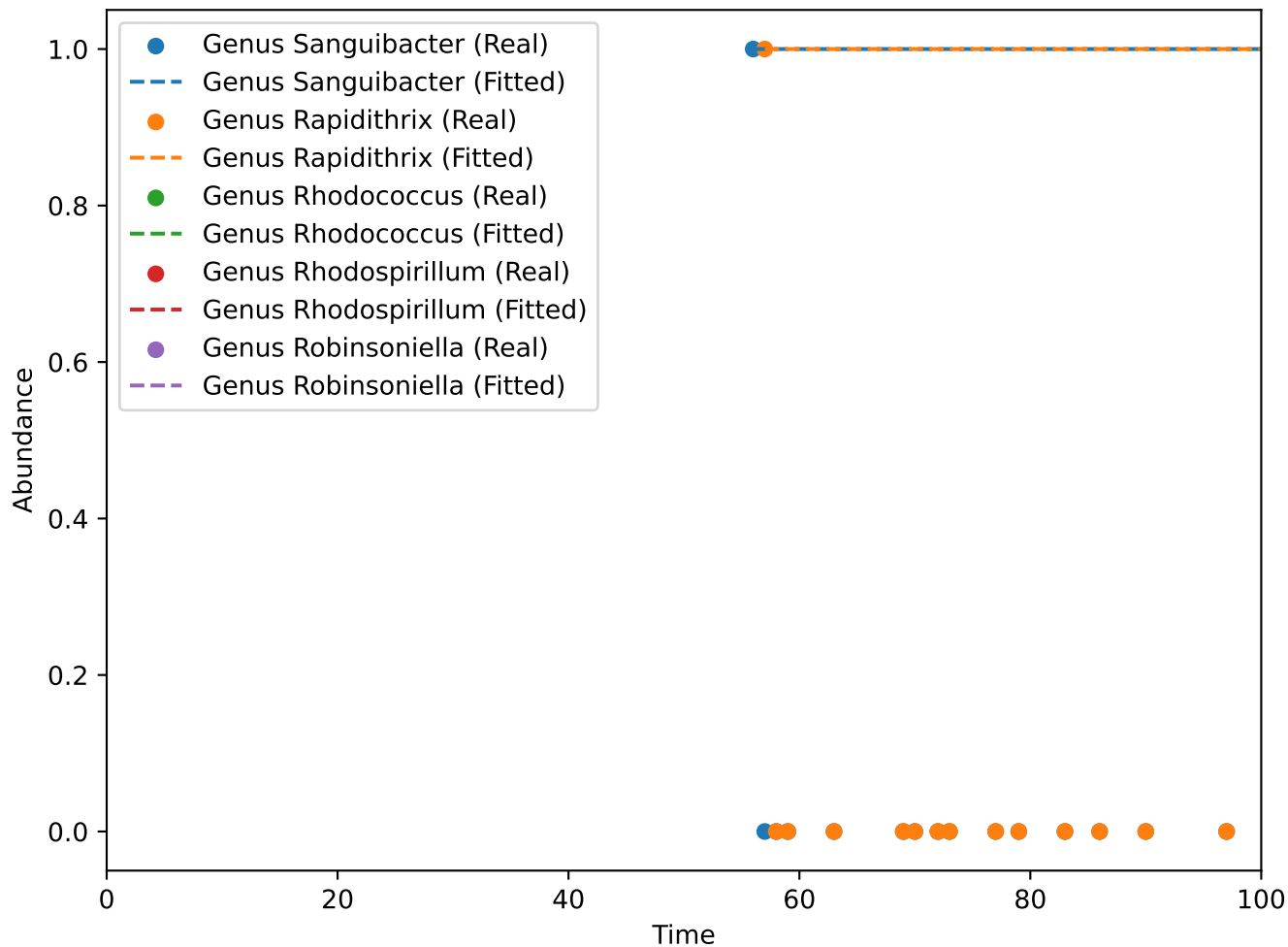
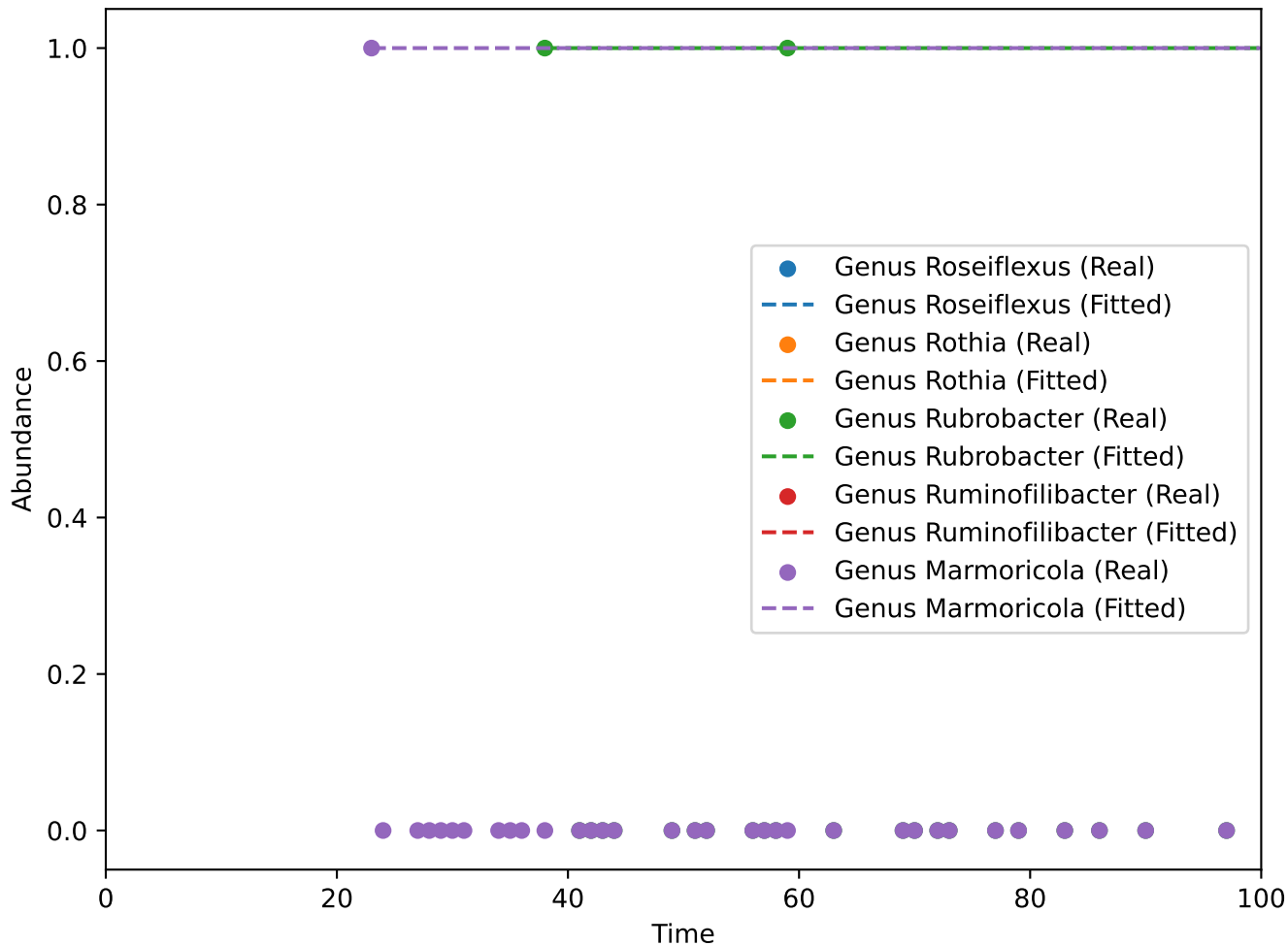
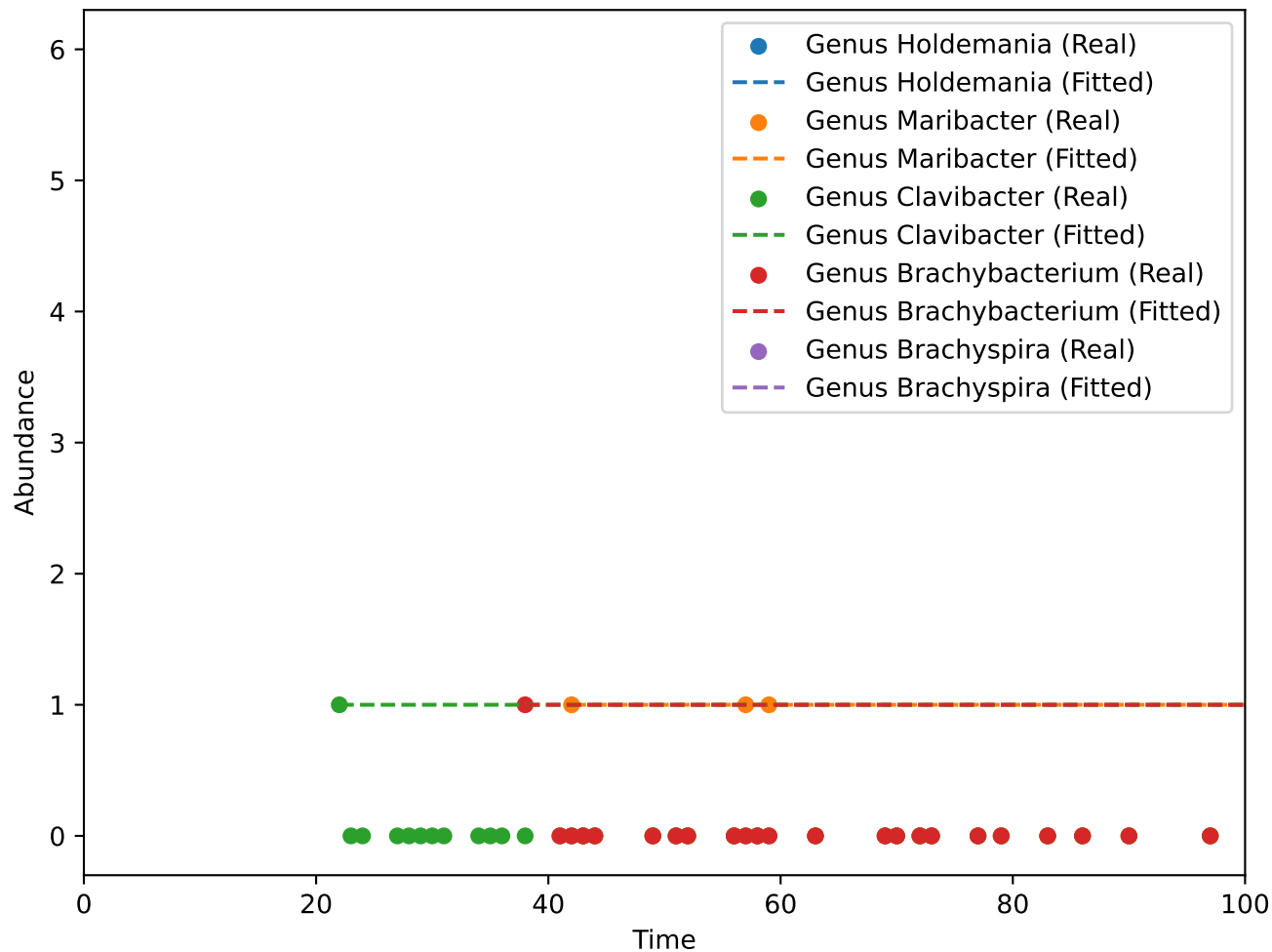


Figure 1: Scatter plot showing the number of genes in the genome (x-axis) versus the number of genes in the cell (y-axis) for various bacterial genera. The plot includes real data points (colored dots) and fitted curves (dashed lines) for five genera: Genus Roseiflexus (blue), Genus Rothia (orange), Genus Rubrobacter (green), Genus Ruminofilibacter (red), and Genus Marmoricola (purple). The x-axis ranges from 0 to 100, and the y-axis ranges from 0 to 100. Genus Marmoricola shows a positive correlation, while the other genera show a negative correlation.

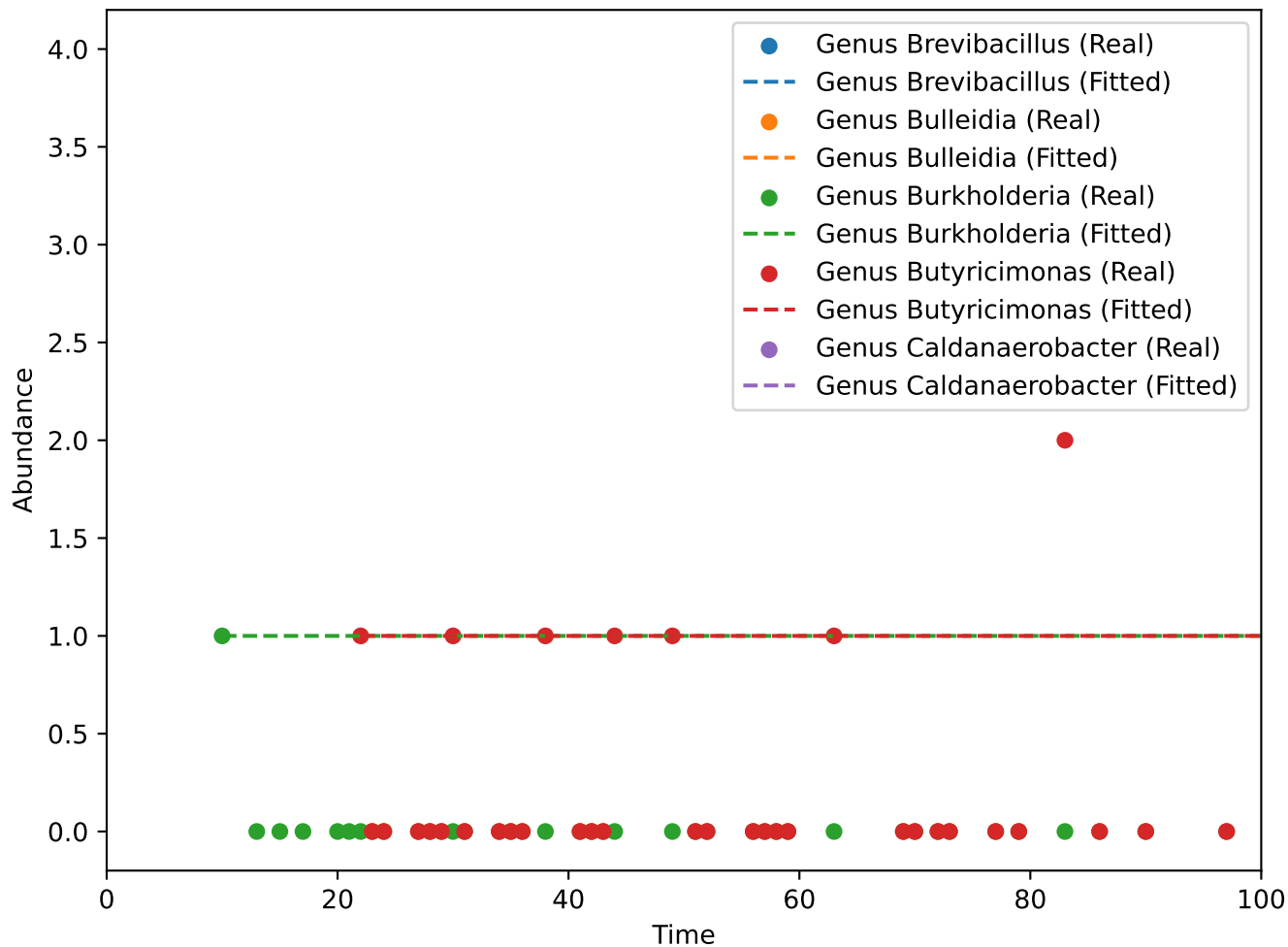




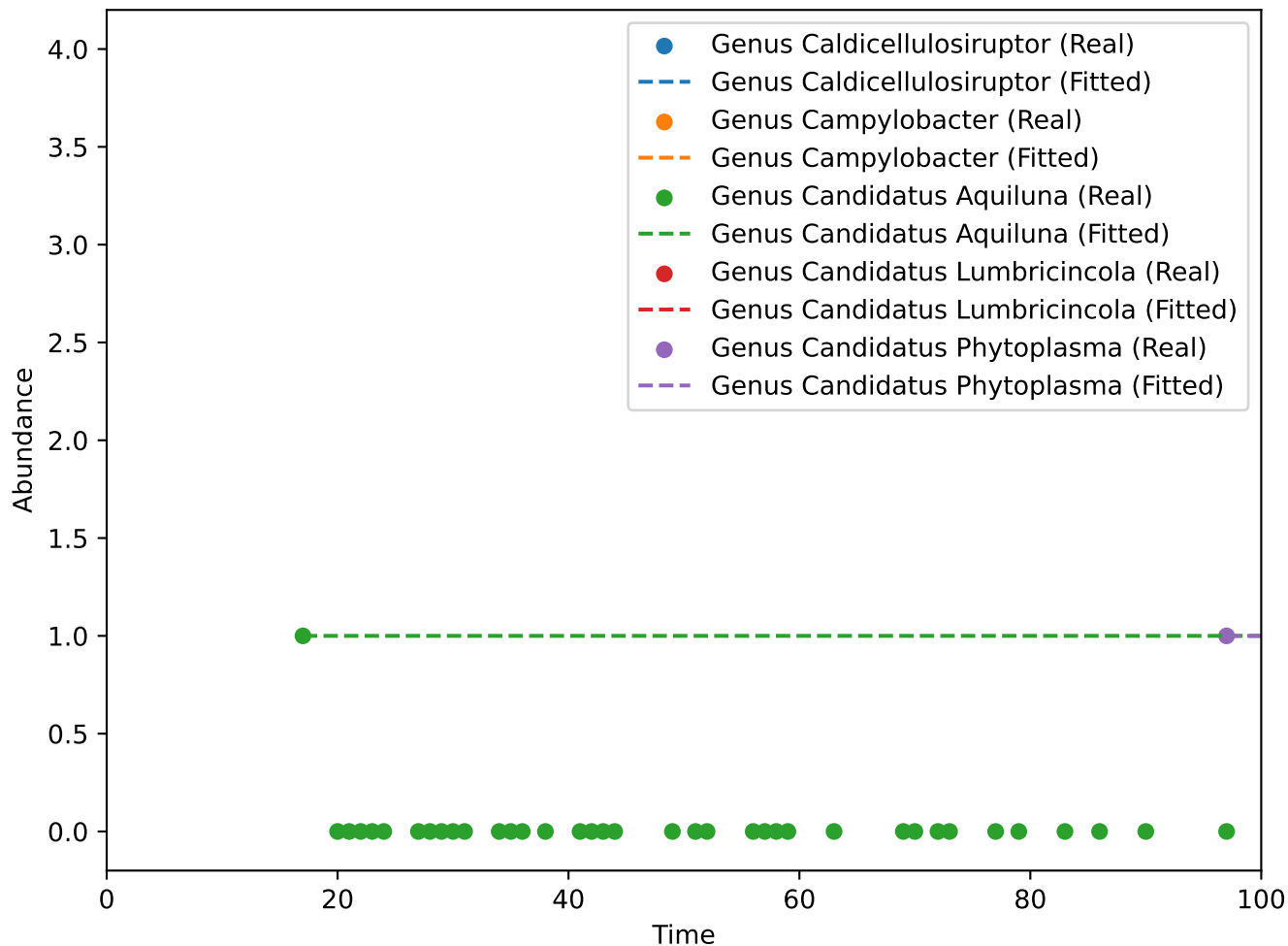
Mouse 5 - Genus Fit



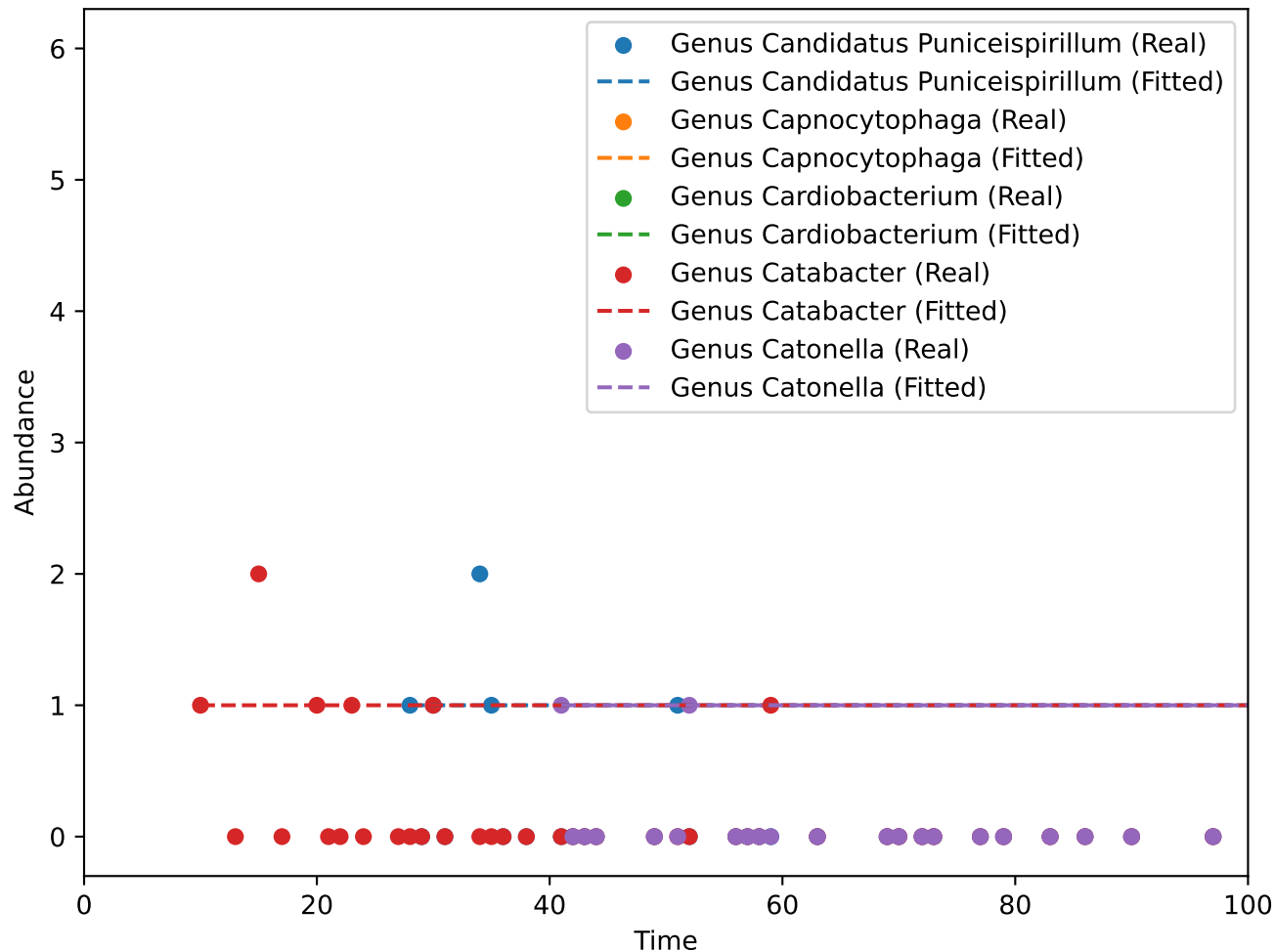
Mouse 5 - Genus Fit



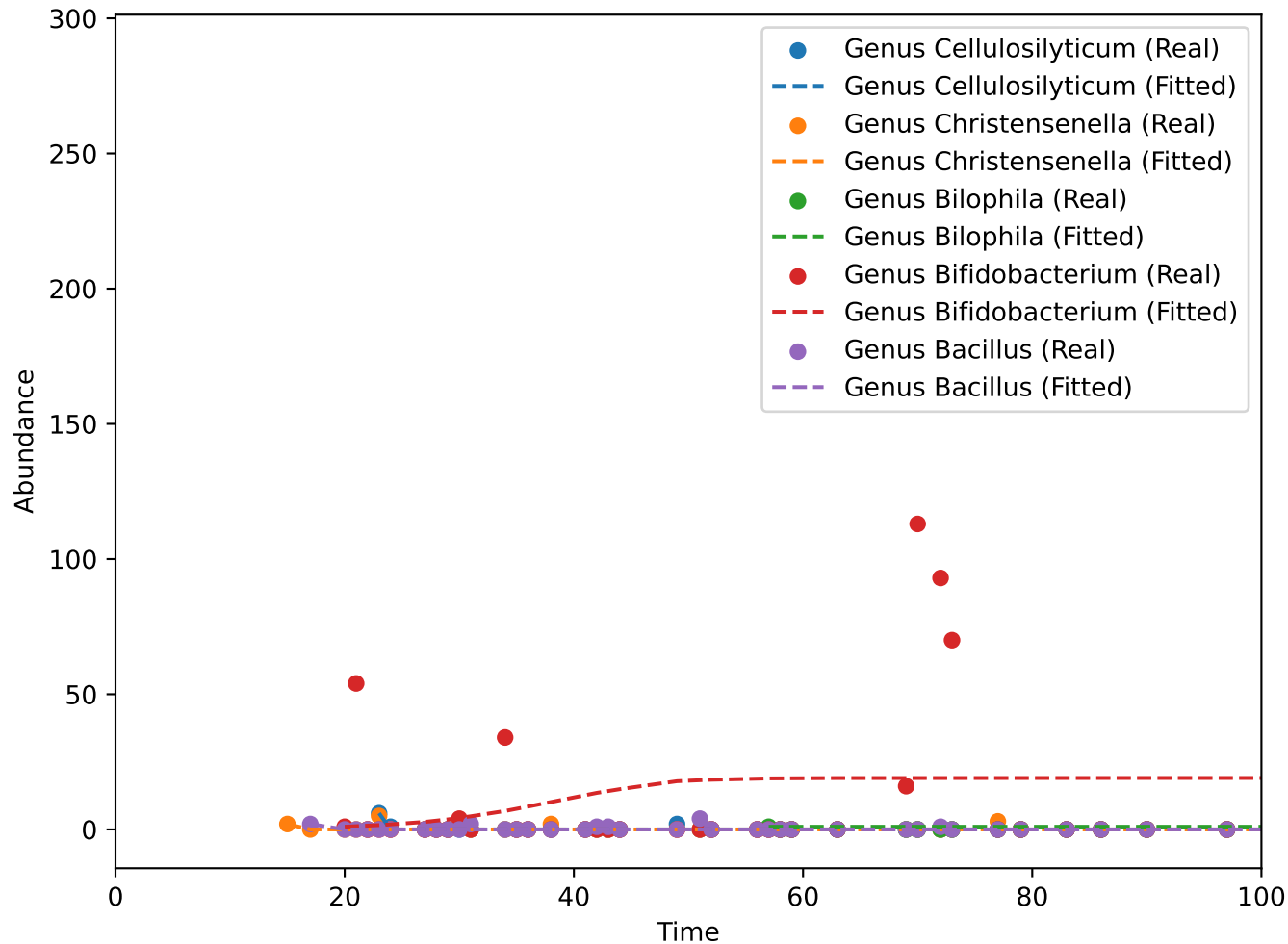
Mouse 5 - Genus Fit



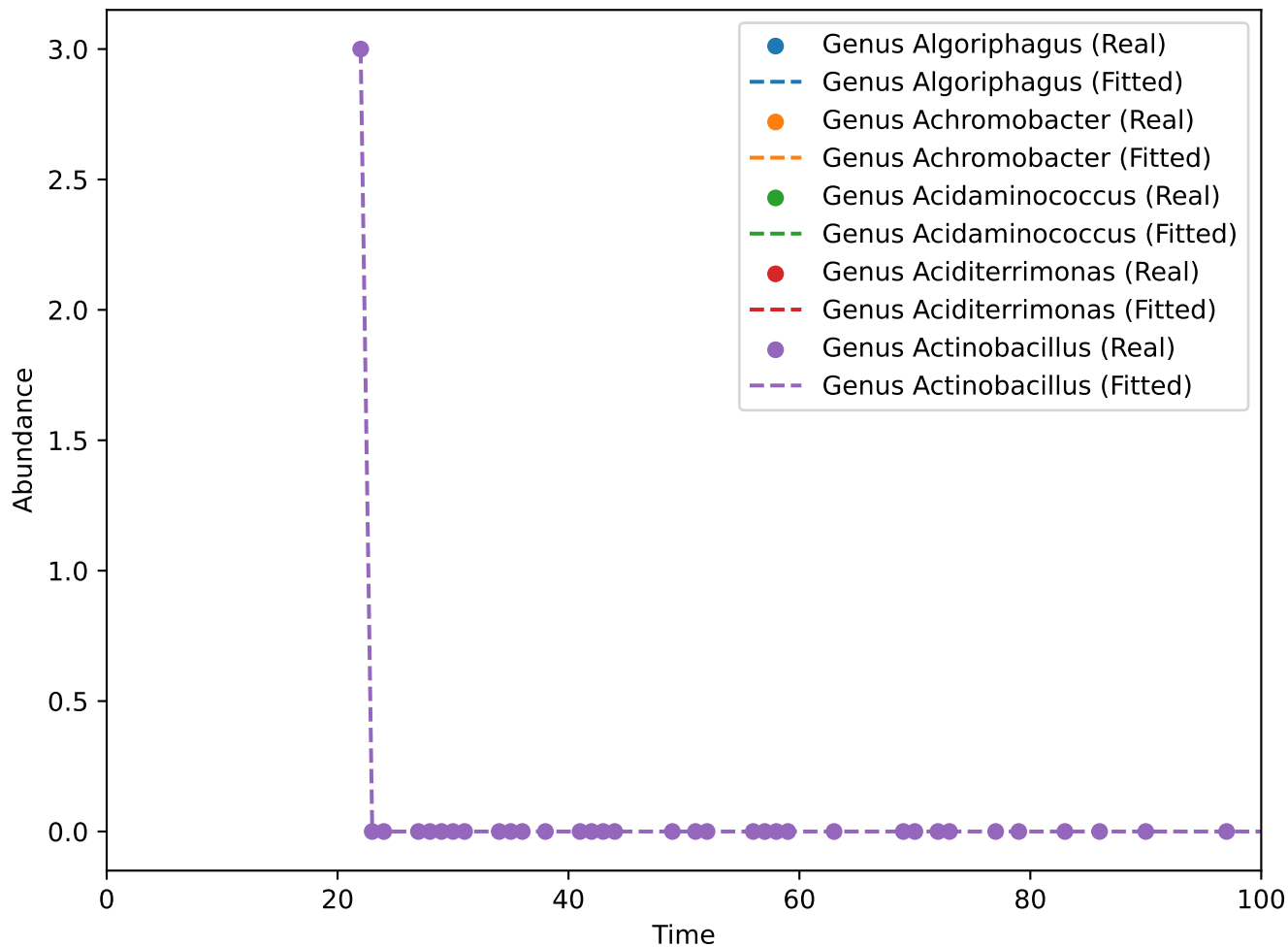
Mouse 5 - Genus Fit



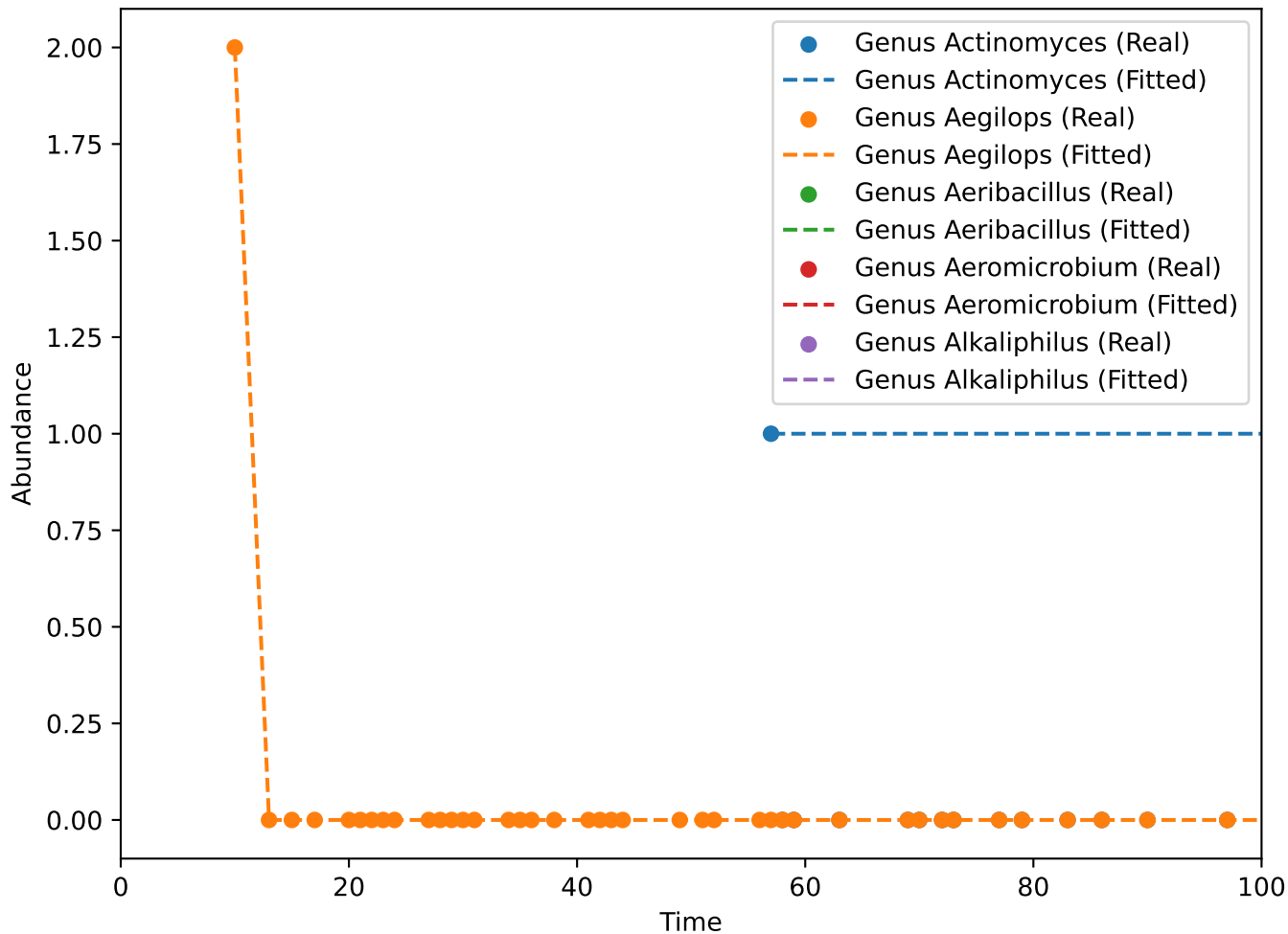
Mouse 5 - Genus Fit



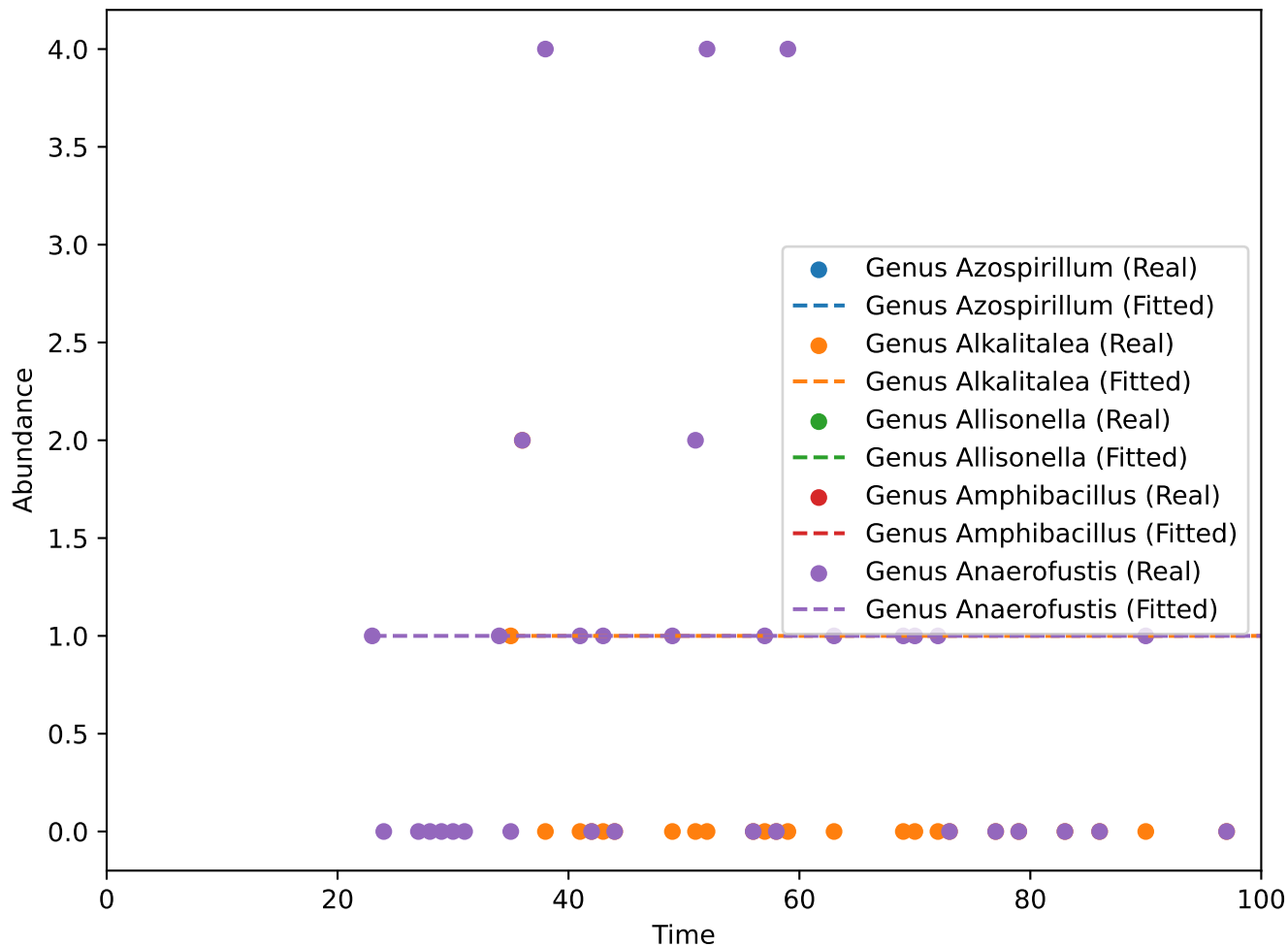
Mouse 5 - Genus Fit



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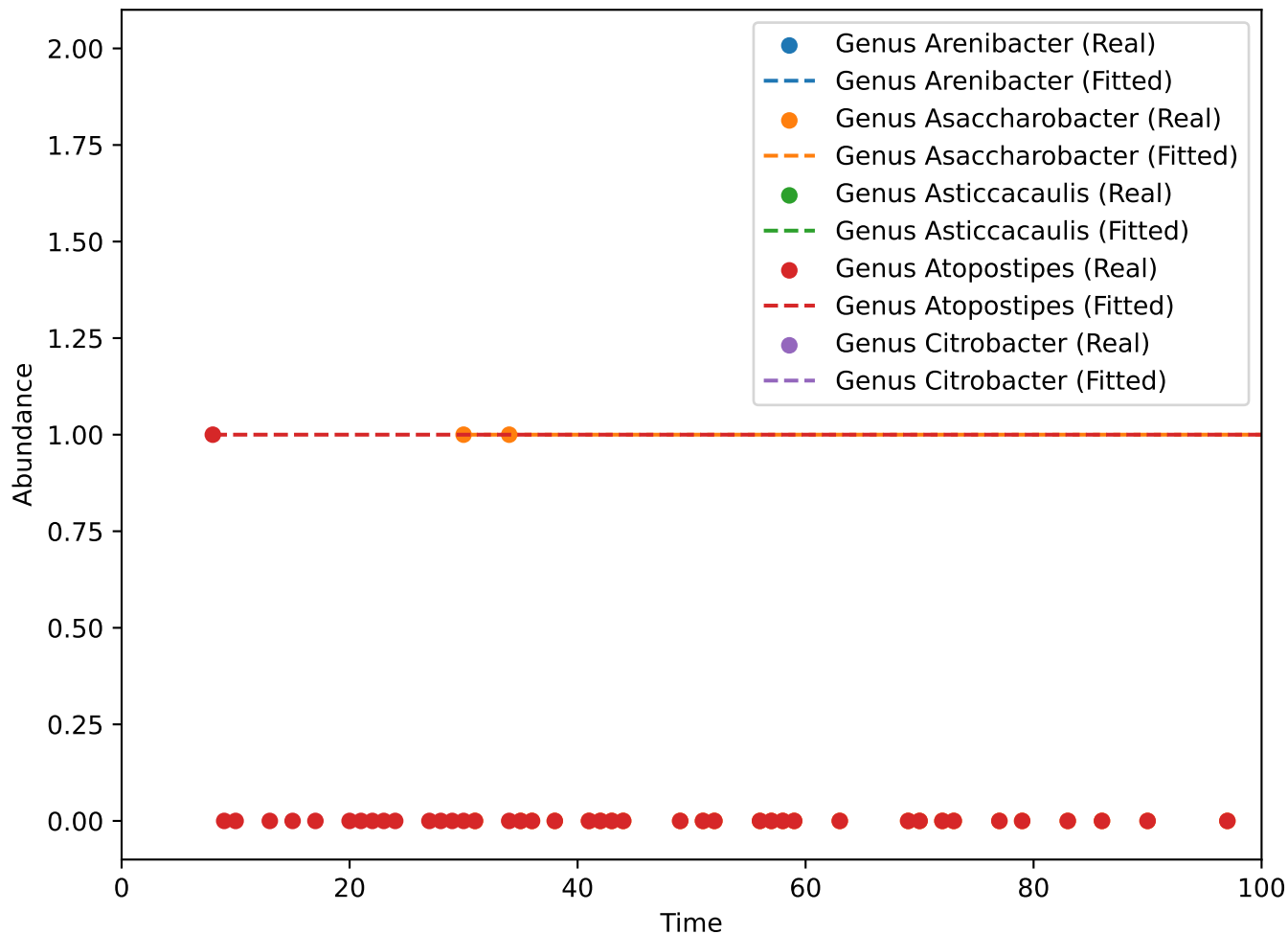


Mouse 5 - Genus Fit

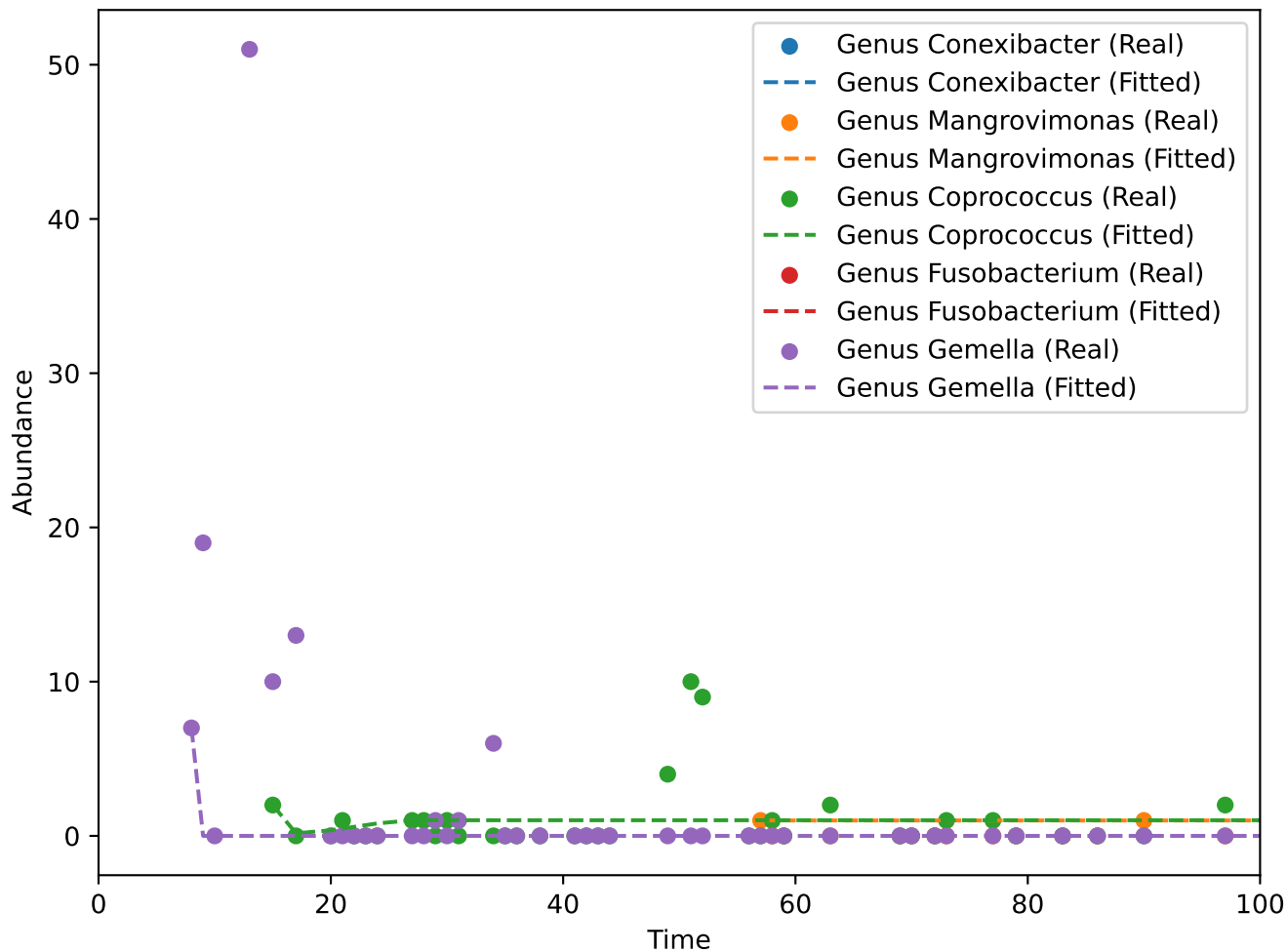




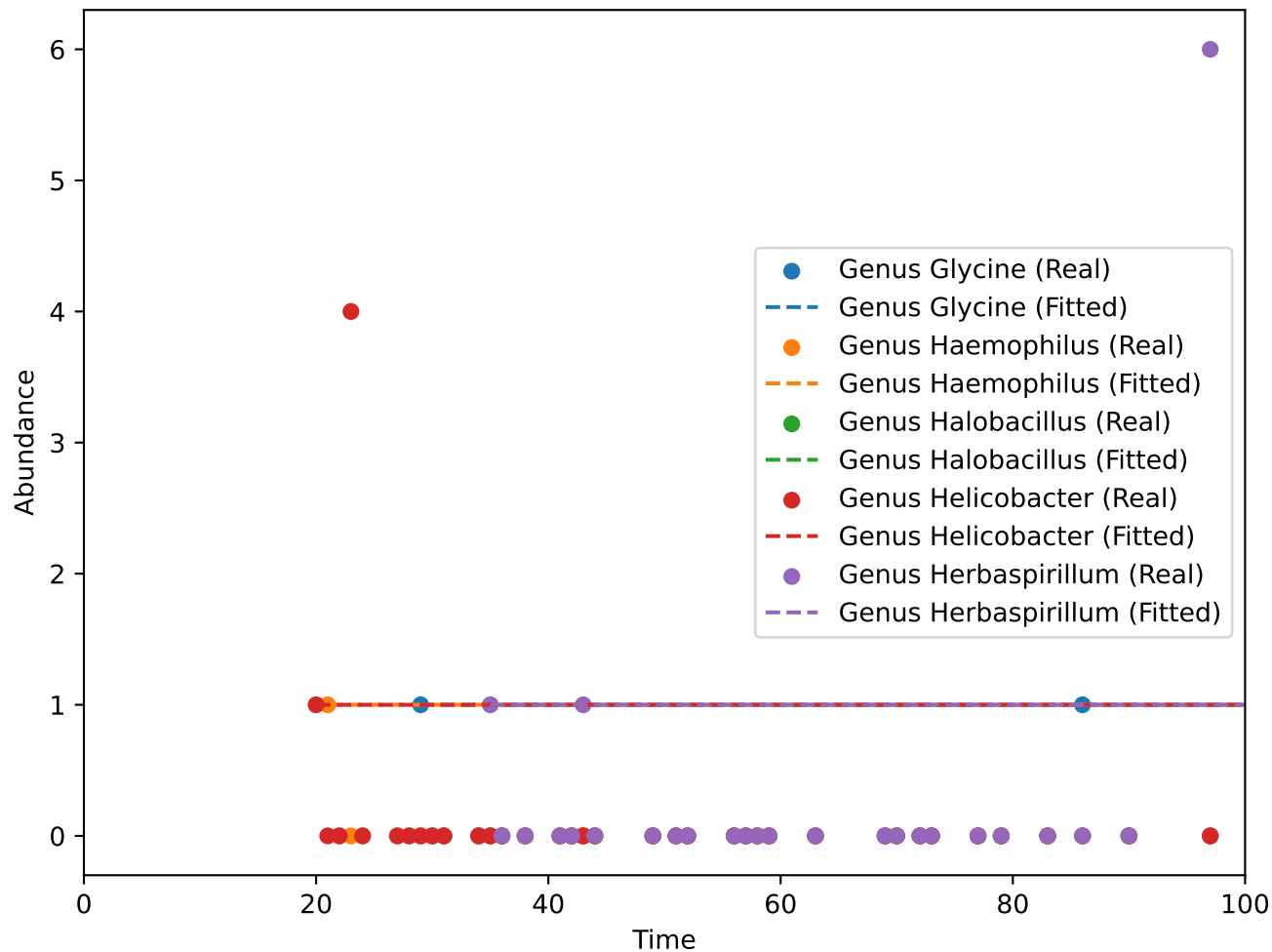
Mouse 5 - Genus Fit



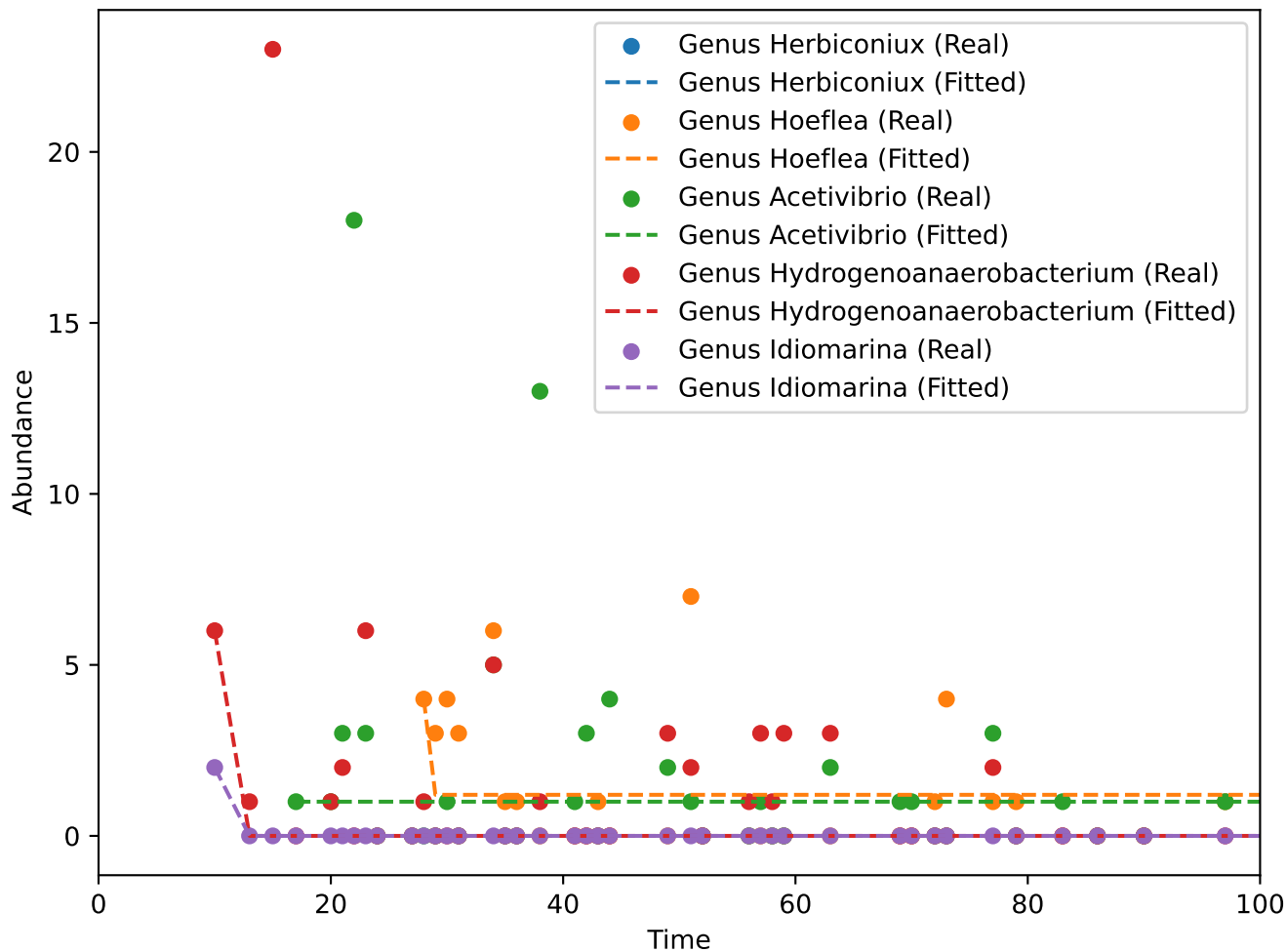
Mouse 5 - Genus Fit



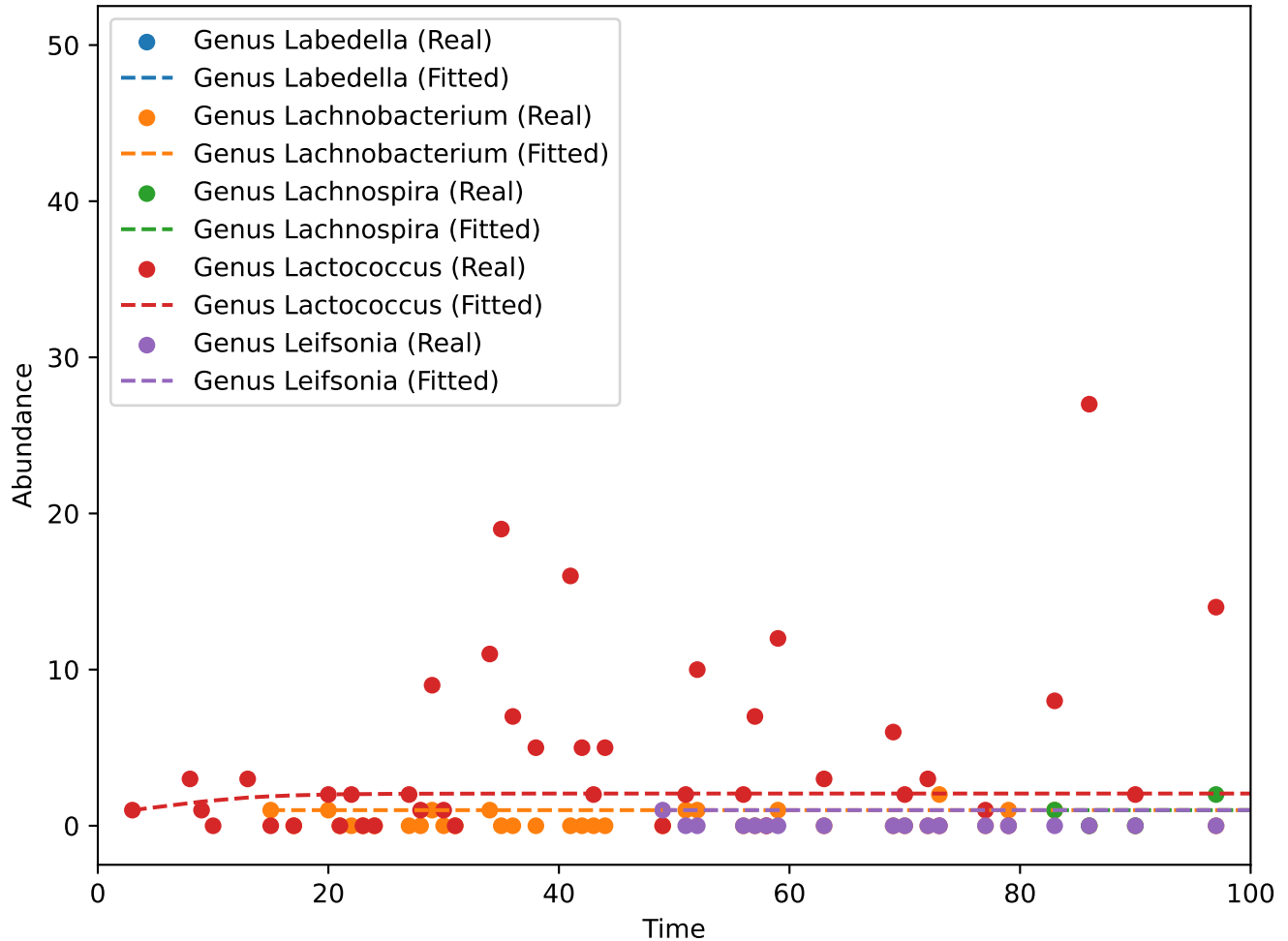
Mouse 5 - Genus Fit



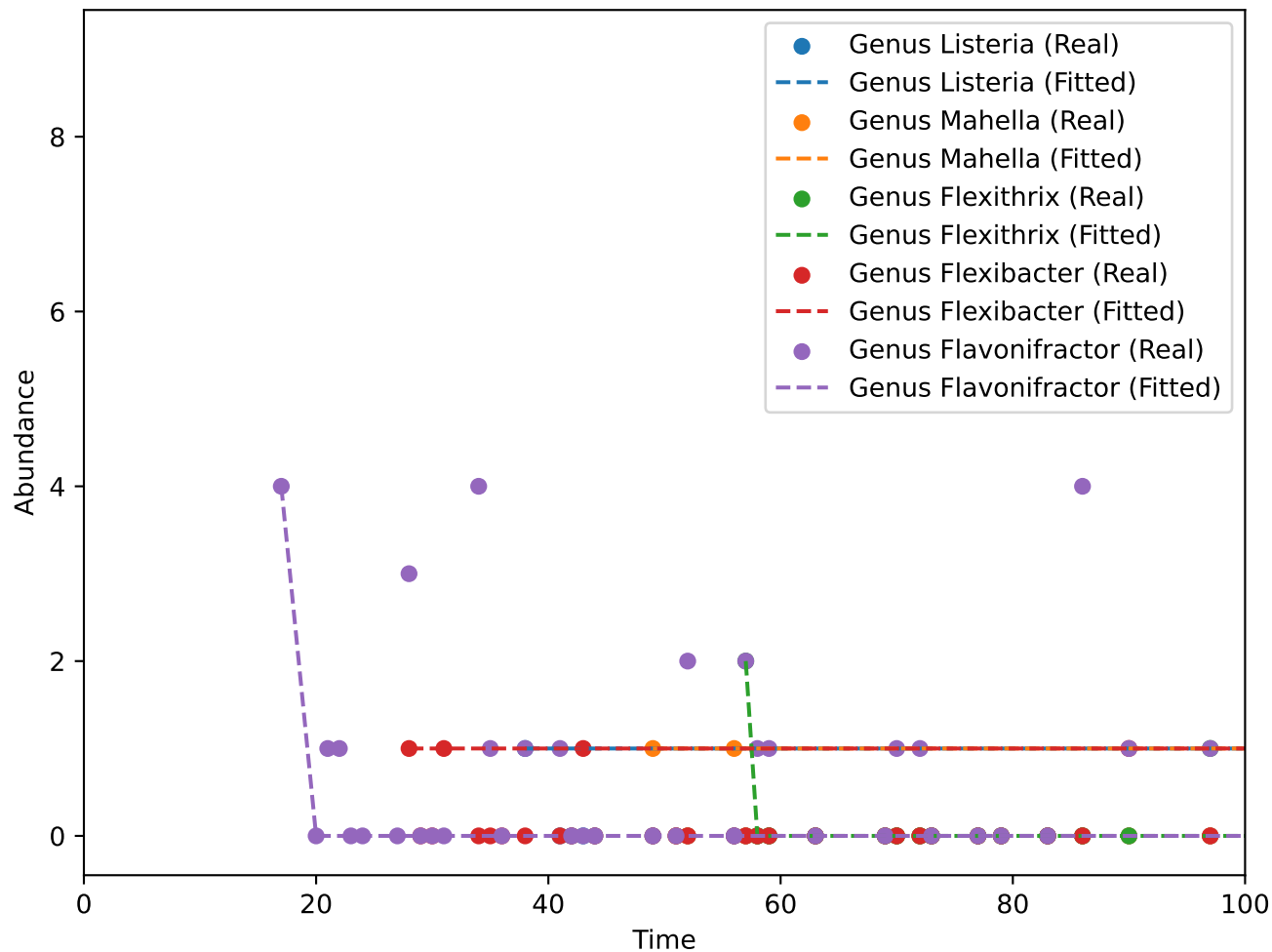
Mouse 5 - Genus Fit



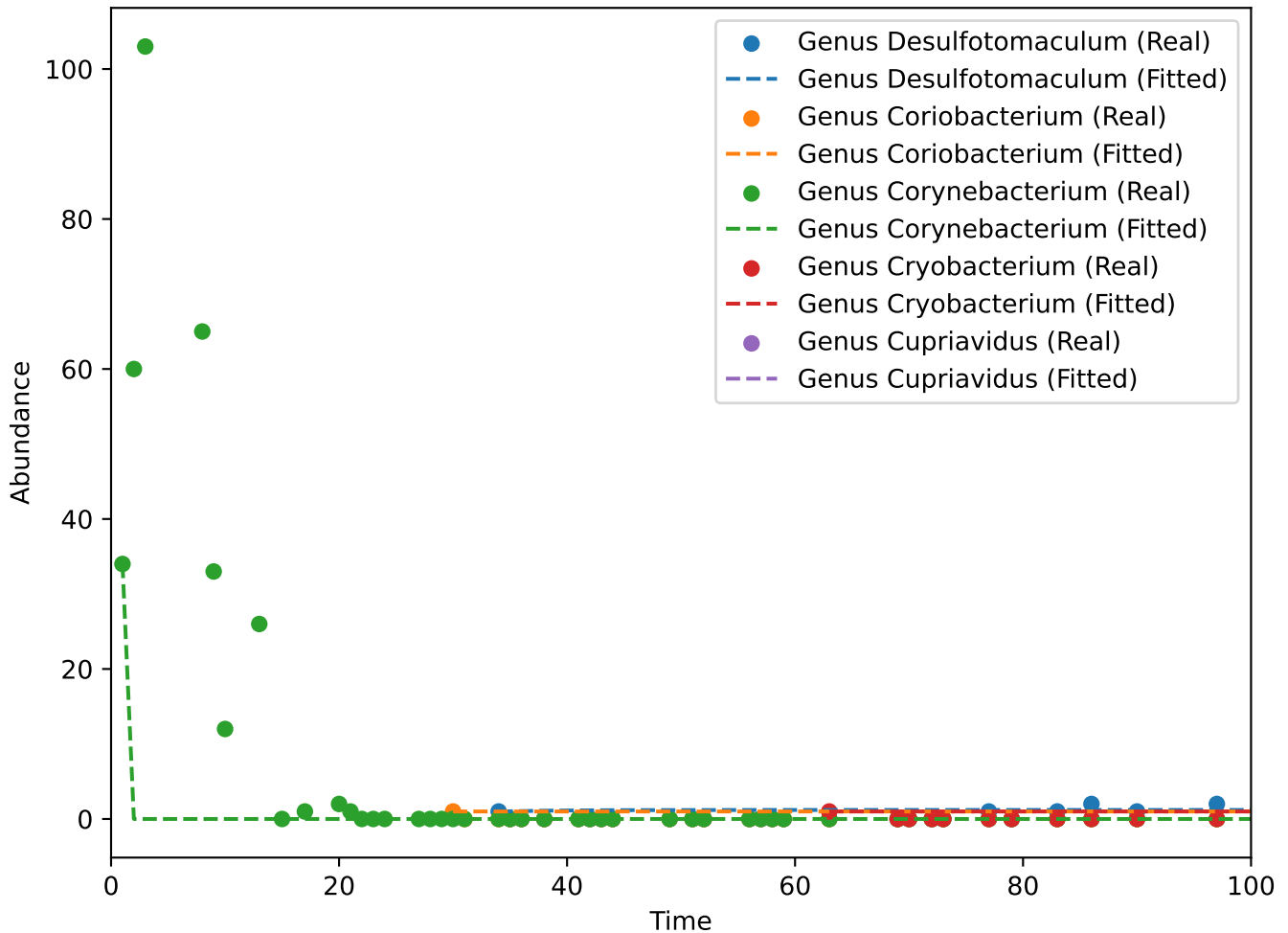
Mouse 5 - Genus Fit



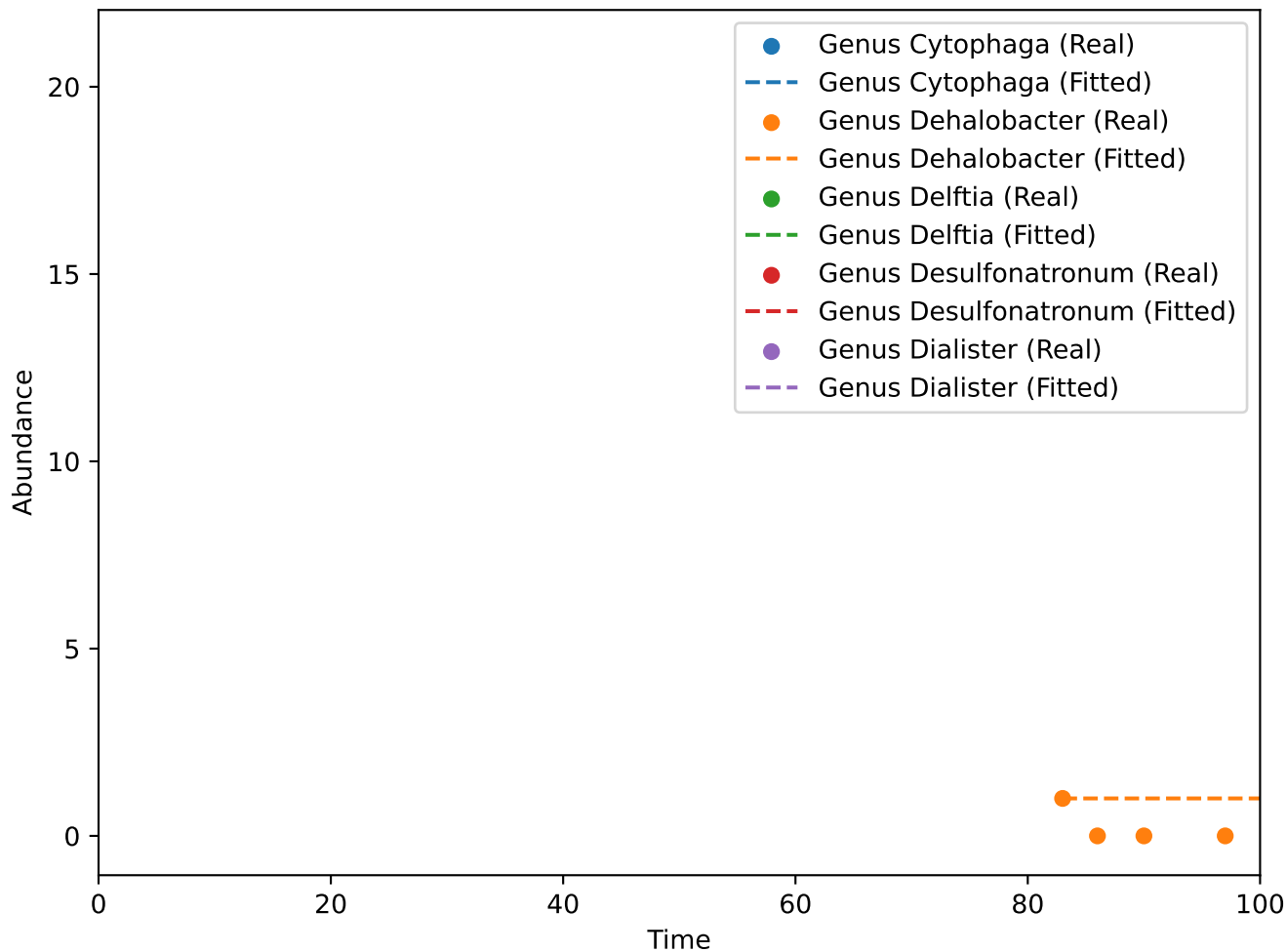
Mouse 5 - Genus Fit



## Mouse 5 - Genus Fit

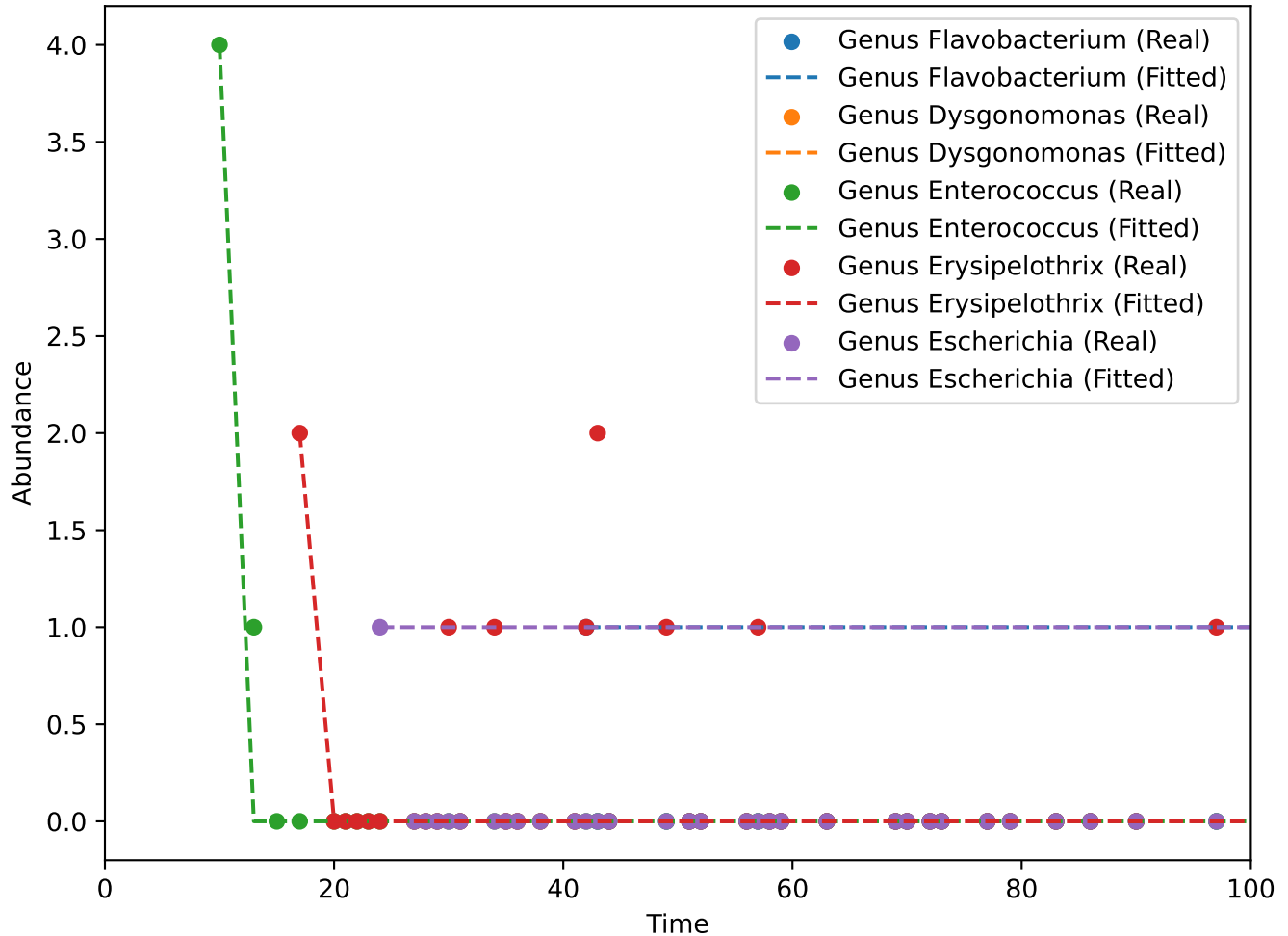


Mouse 5 - Genus Fit





Mouse 5 - Genus Fit



[illegible]