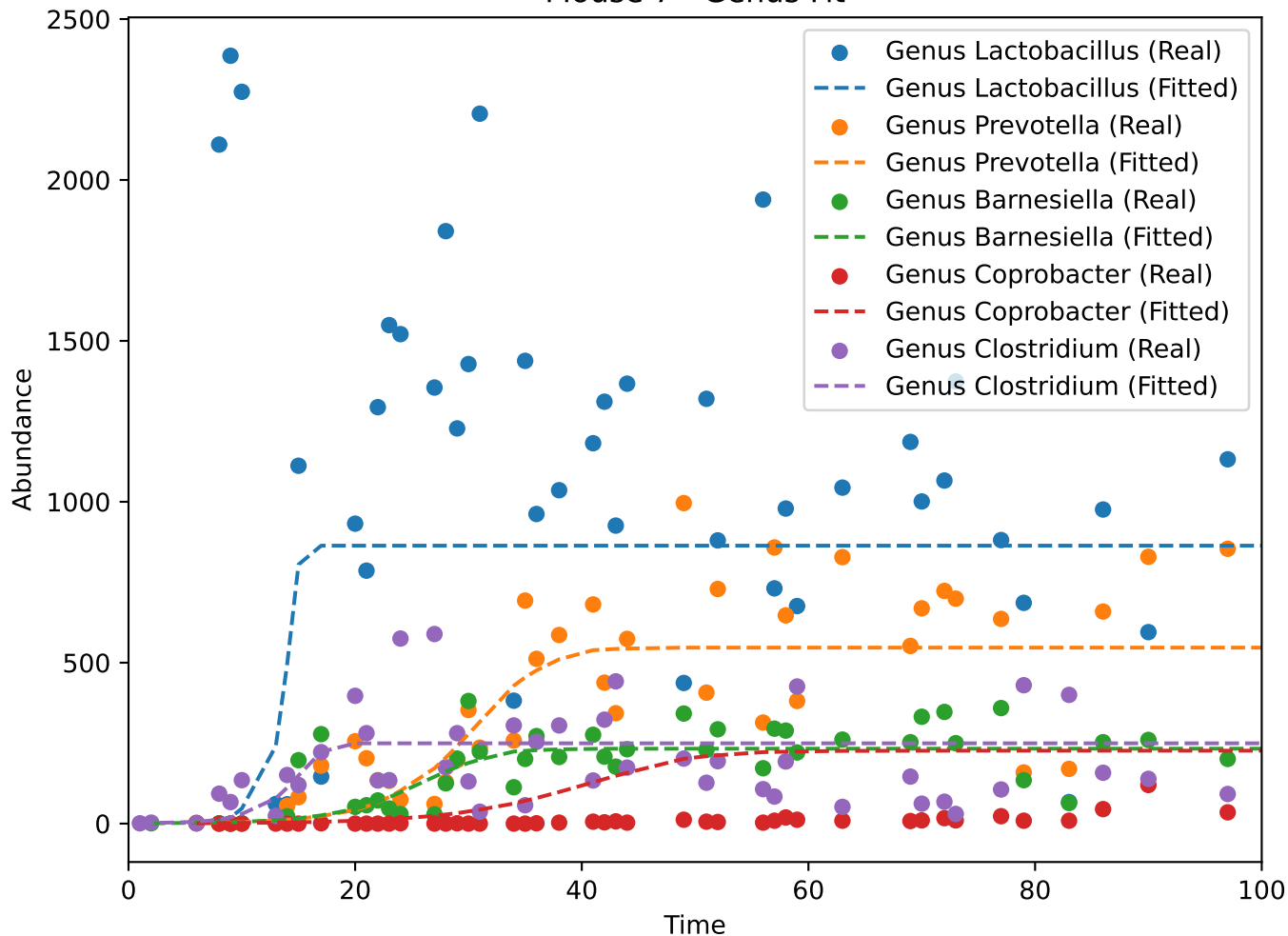
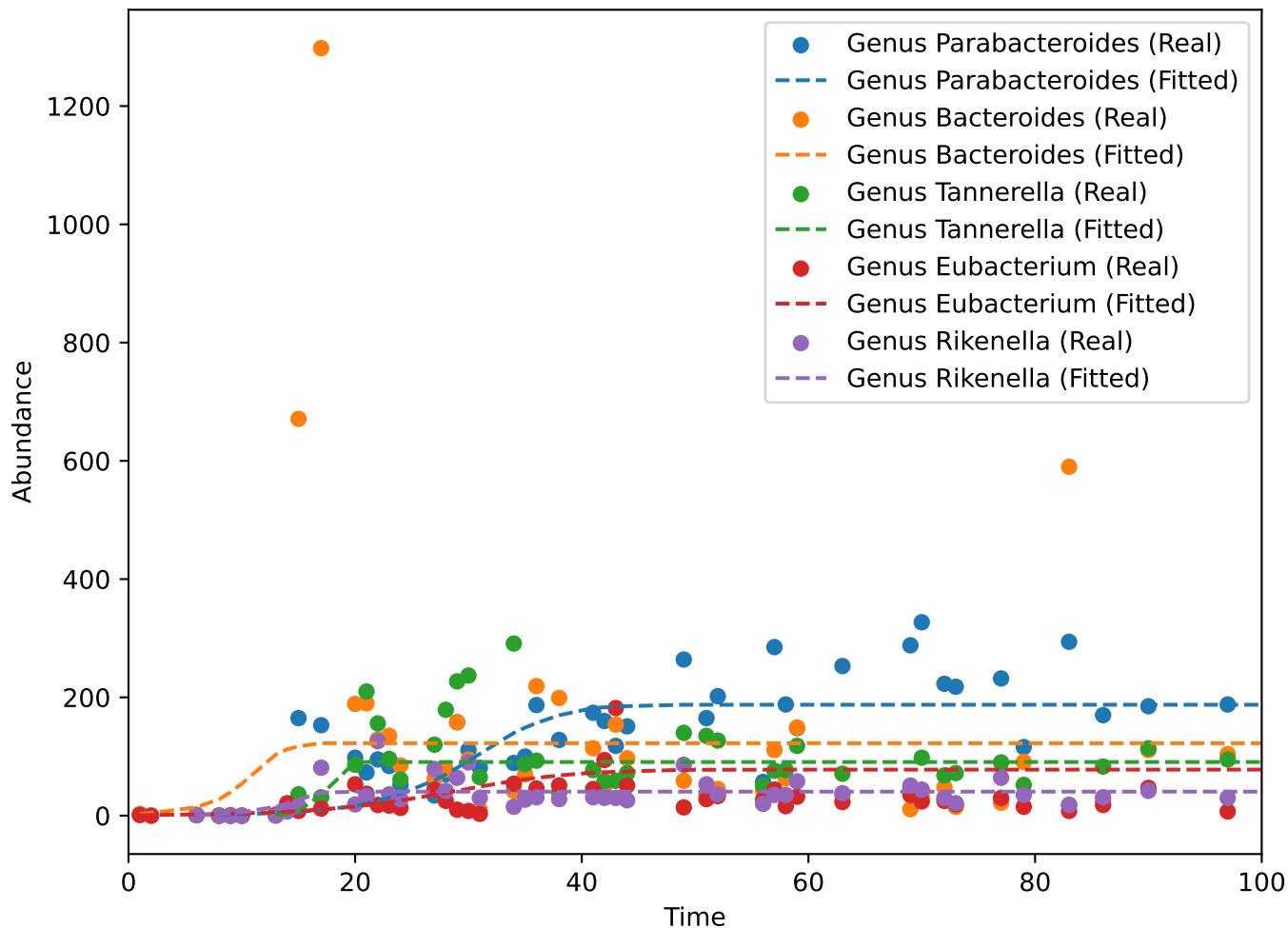


Mouse 7 - Genus Fit



Mouse 7 - Genus Fit



Genus Peptococcus (Real)

Genus Peptococcus (Fitted)

Genus Nubsella (Real)

Genus Nubsella (Fitted)

Genus Paraprevotella (Real)

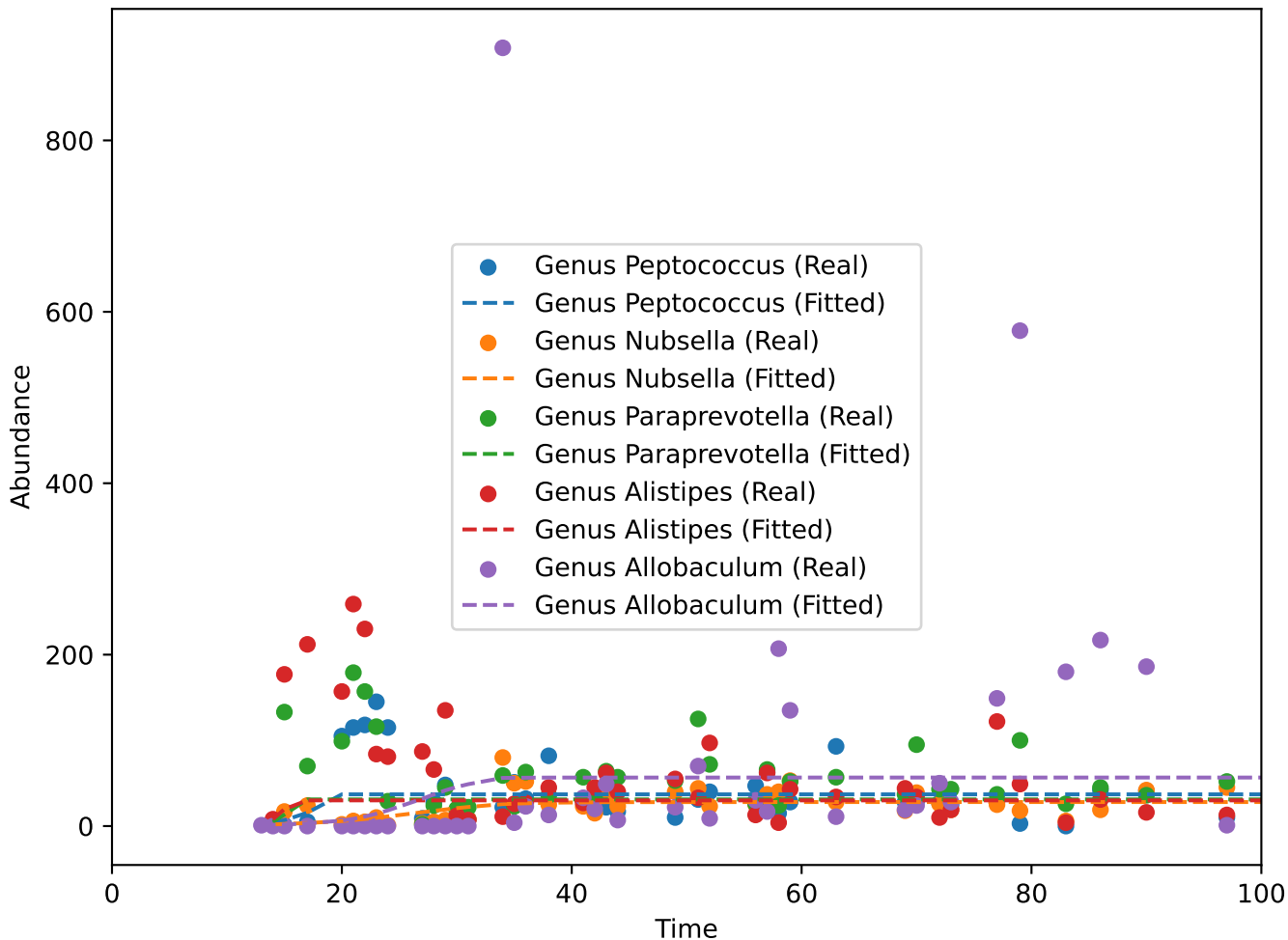
Genus Paraprevotella (Fitted)

Genus Alistipes (Real)

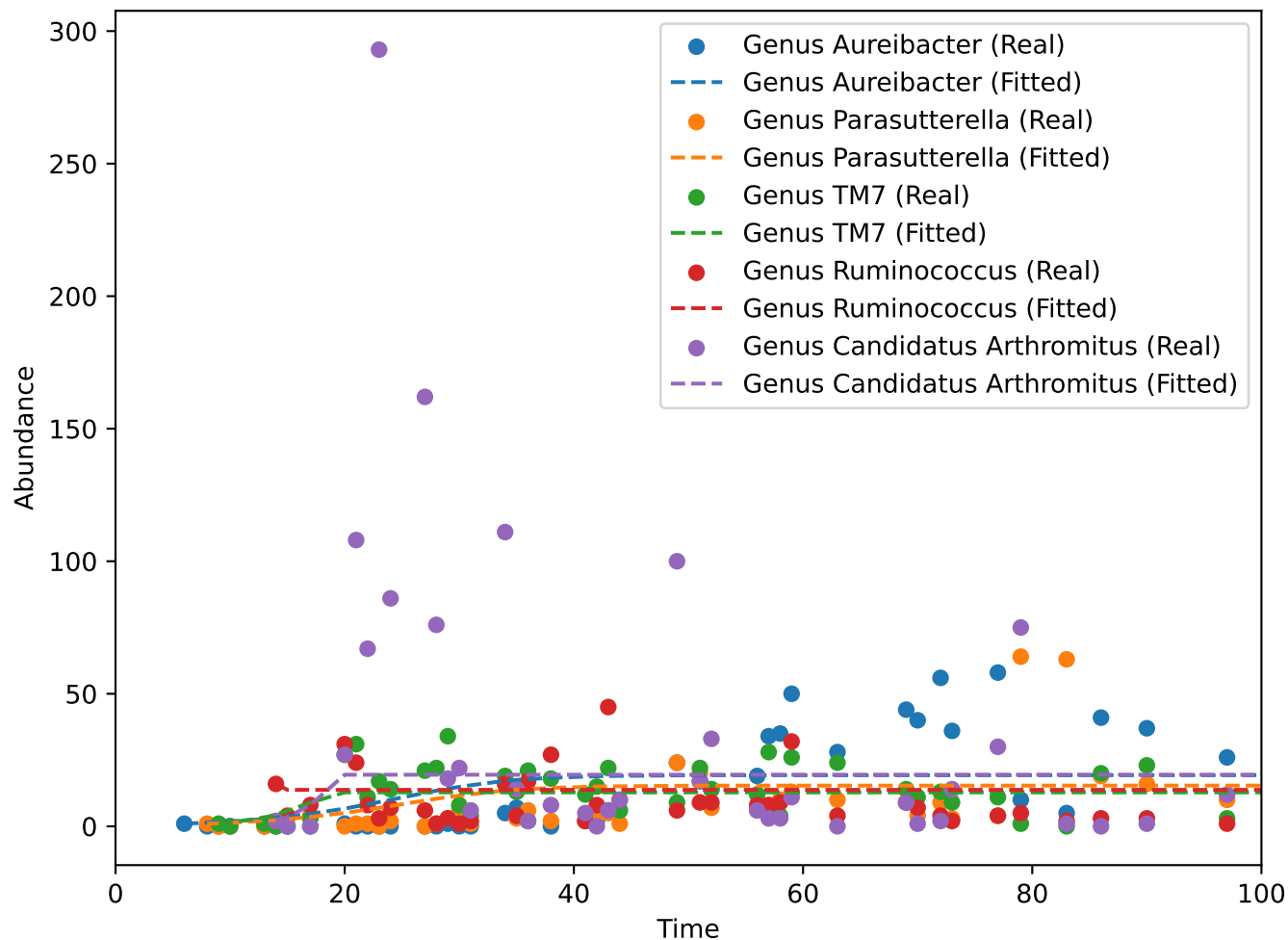
Genus Alistipes (Fitted)

Genus Allobaculum (Real)

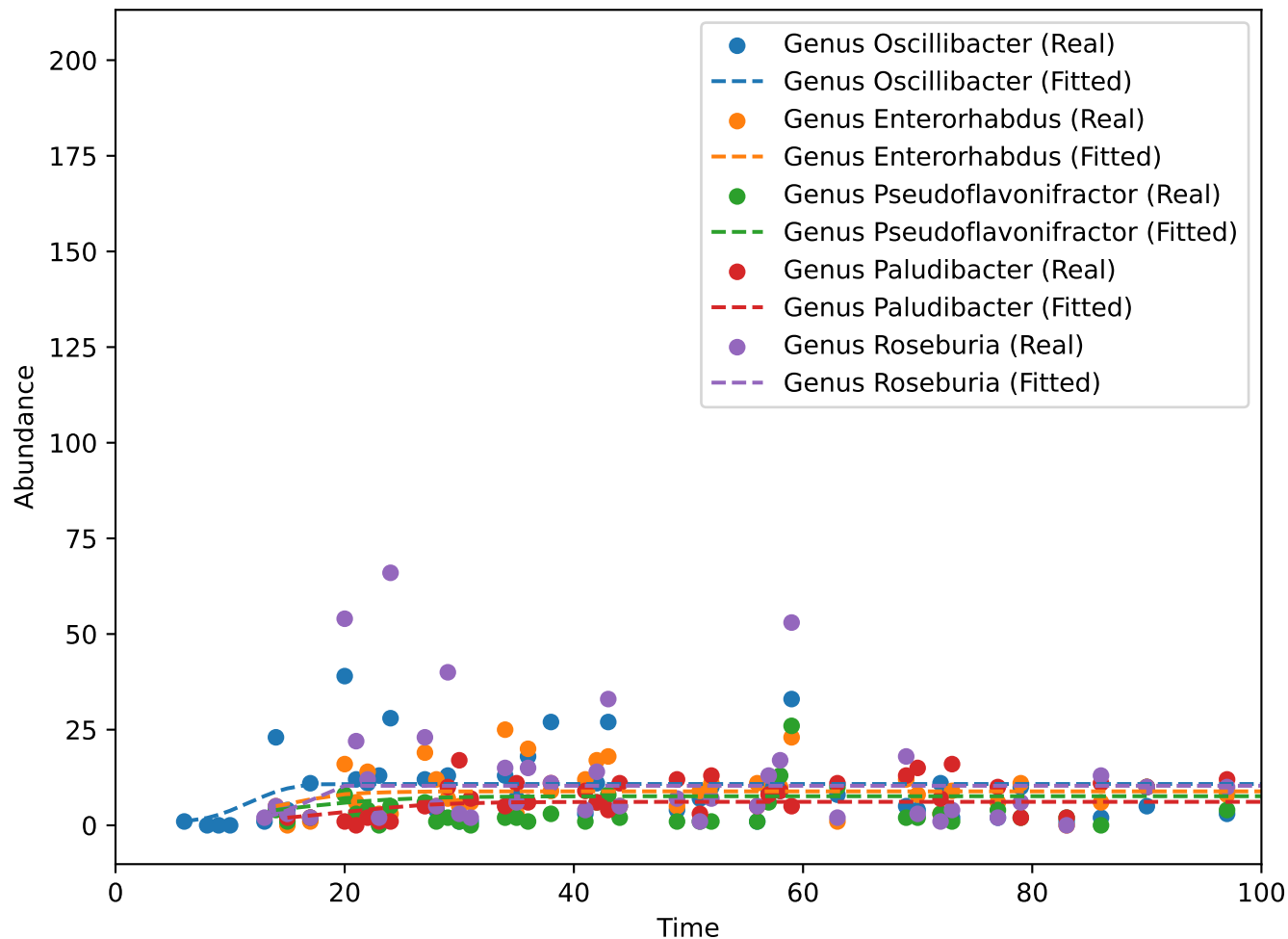
Genus Allobaculum (Fitted)



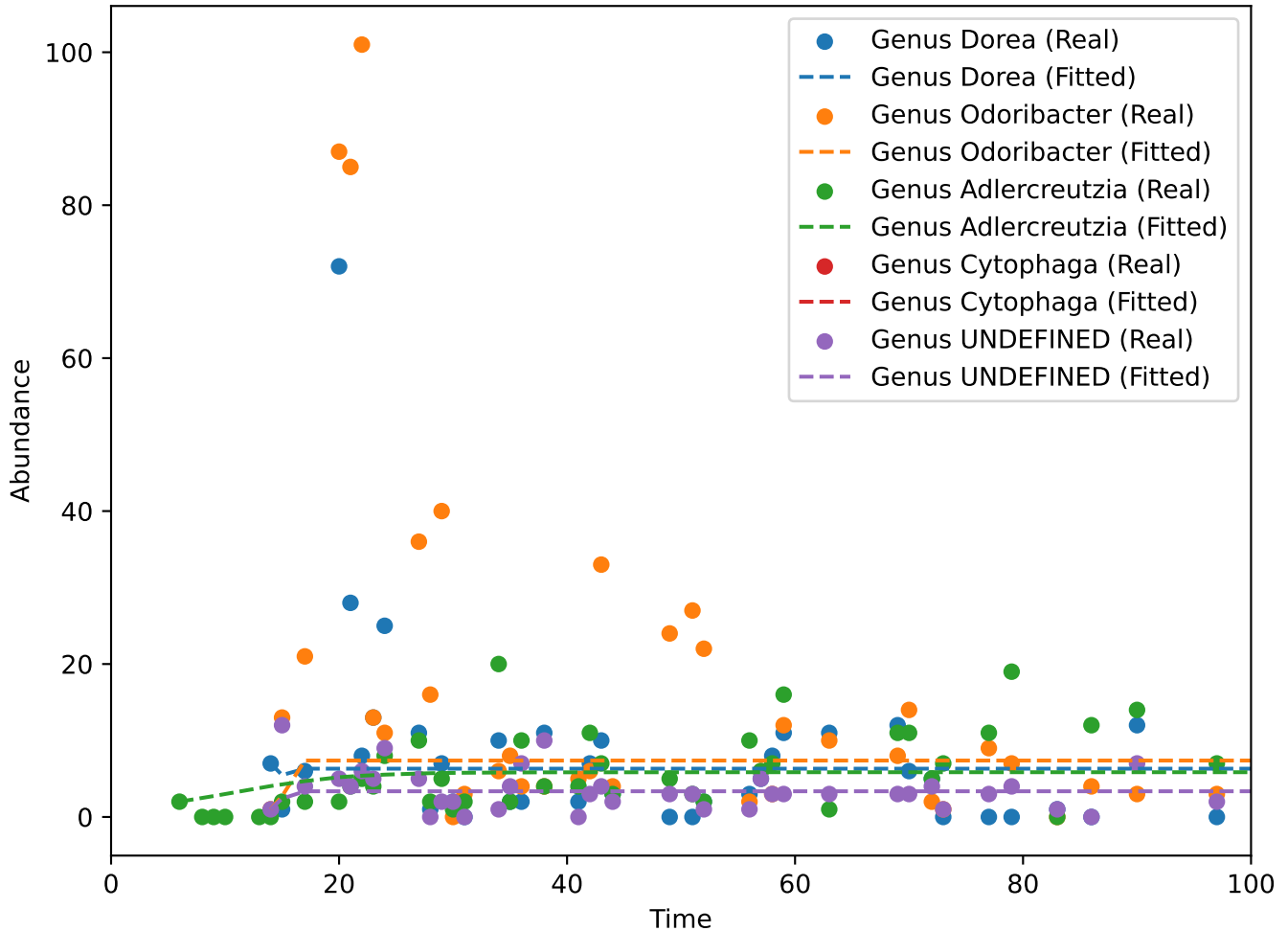
Mouse 7 - Genus Fit



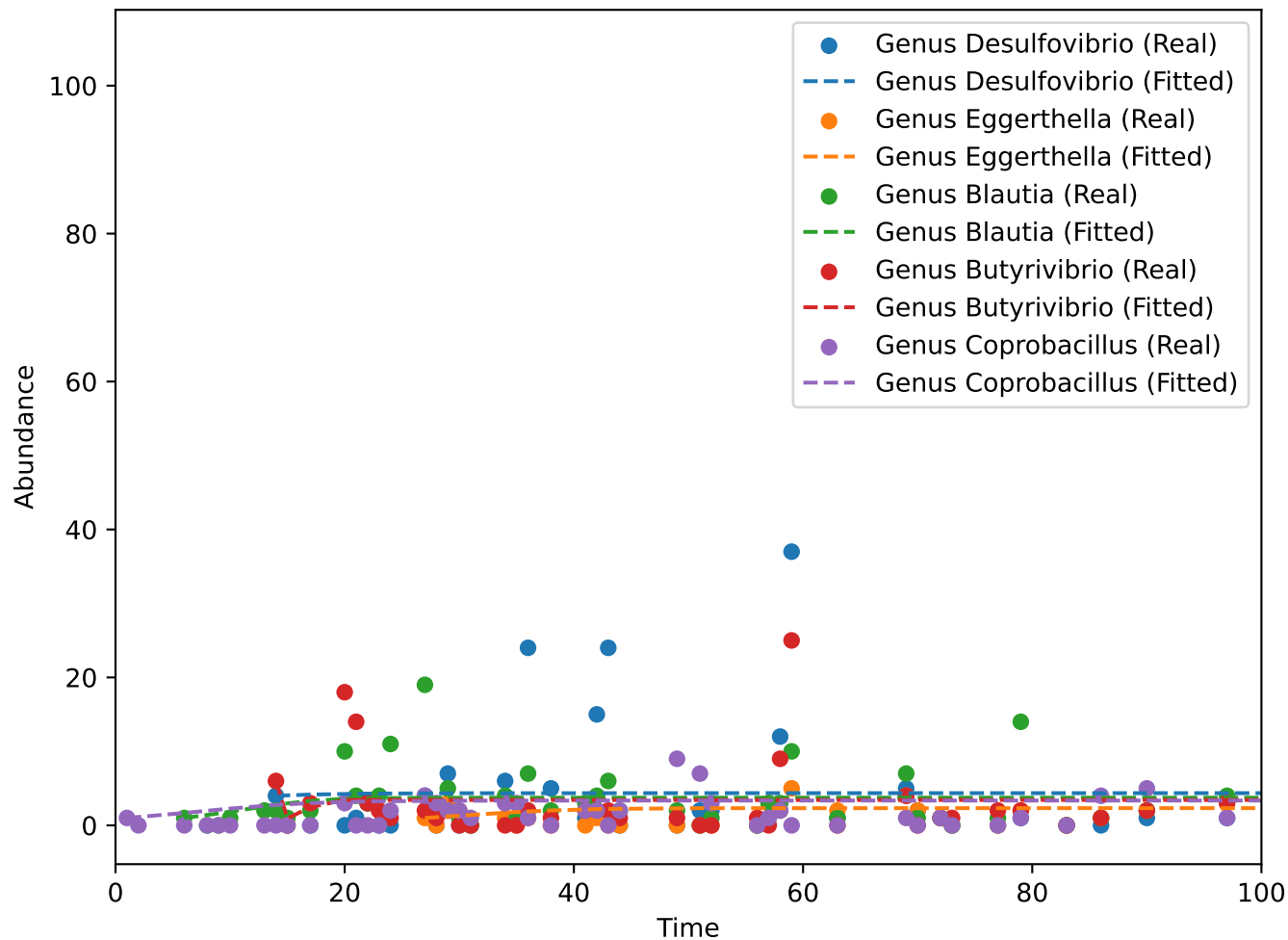
Mouse 7 - Genus Fit



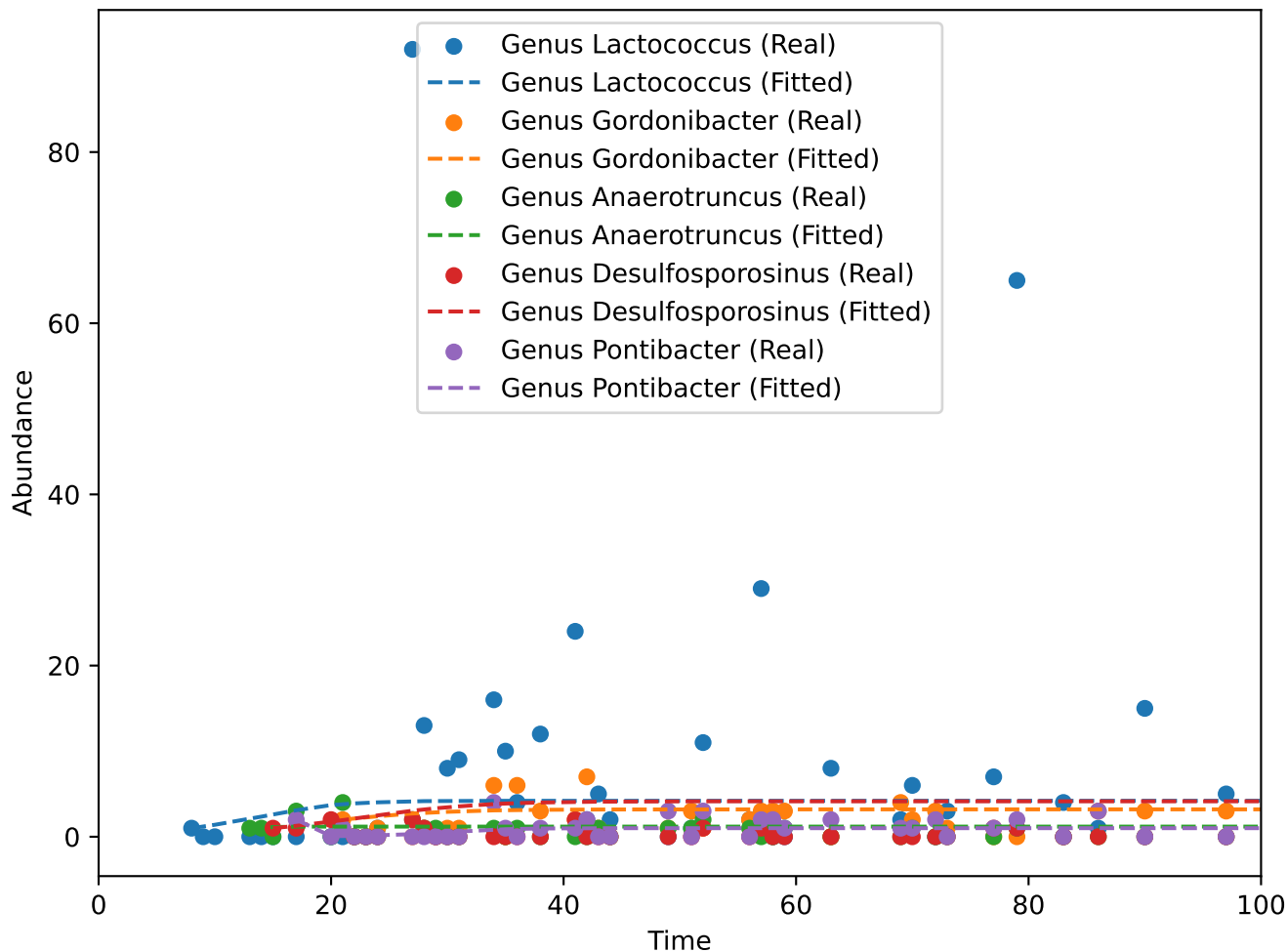
Mouse 7 - Genus Fit



Mouse 7 - Genus Fit

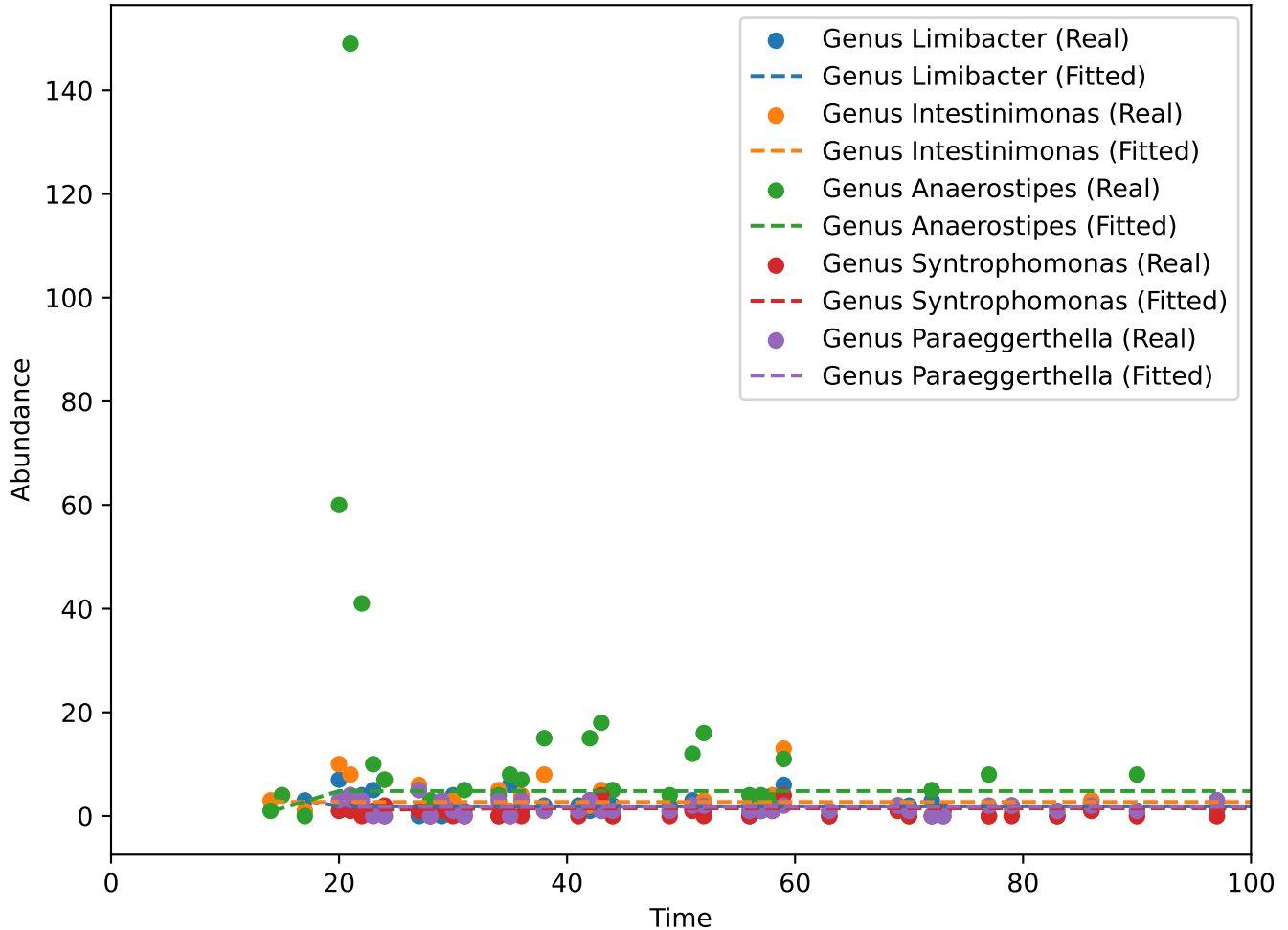


Mouse 7 - Genus Fit

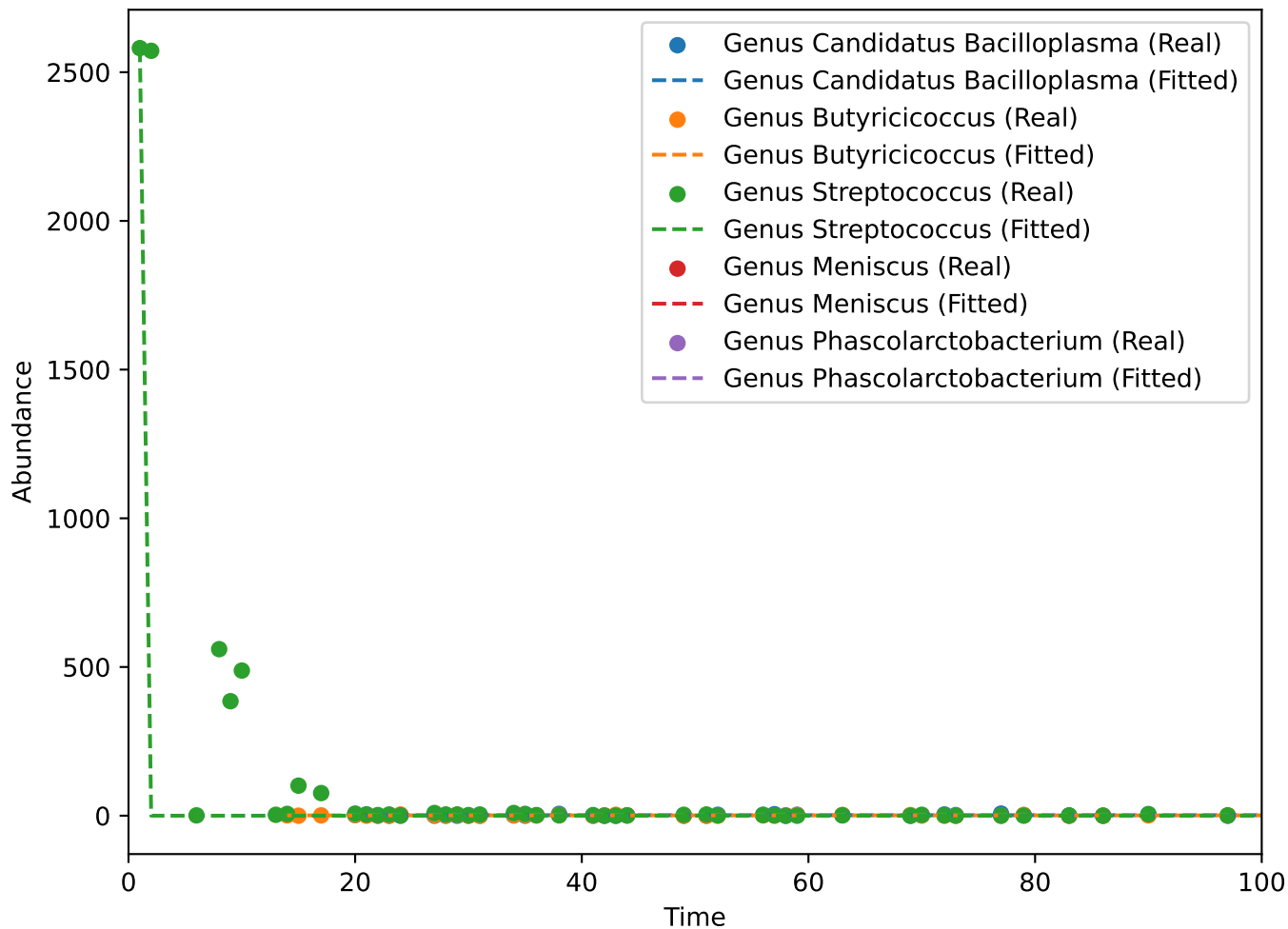




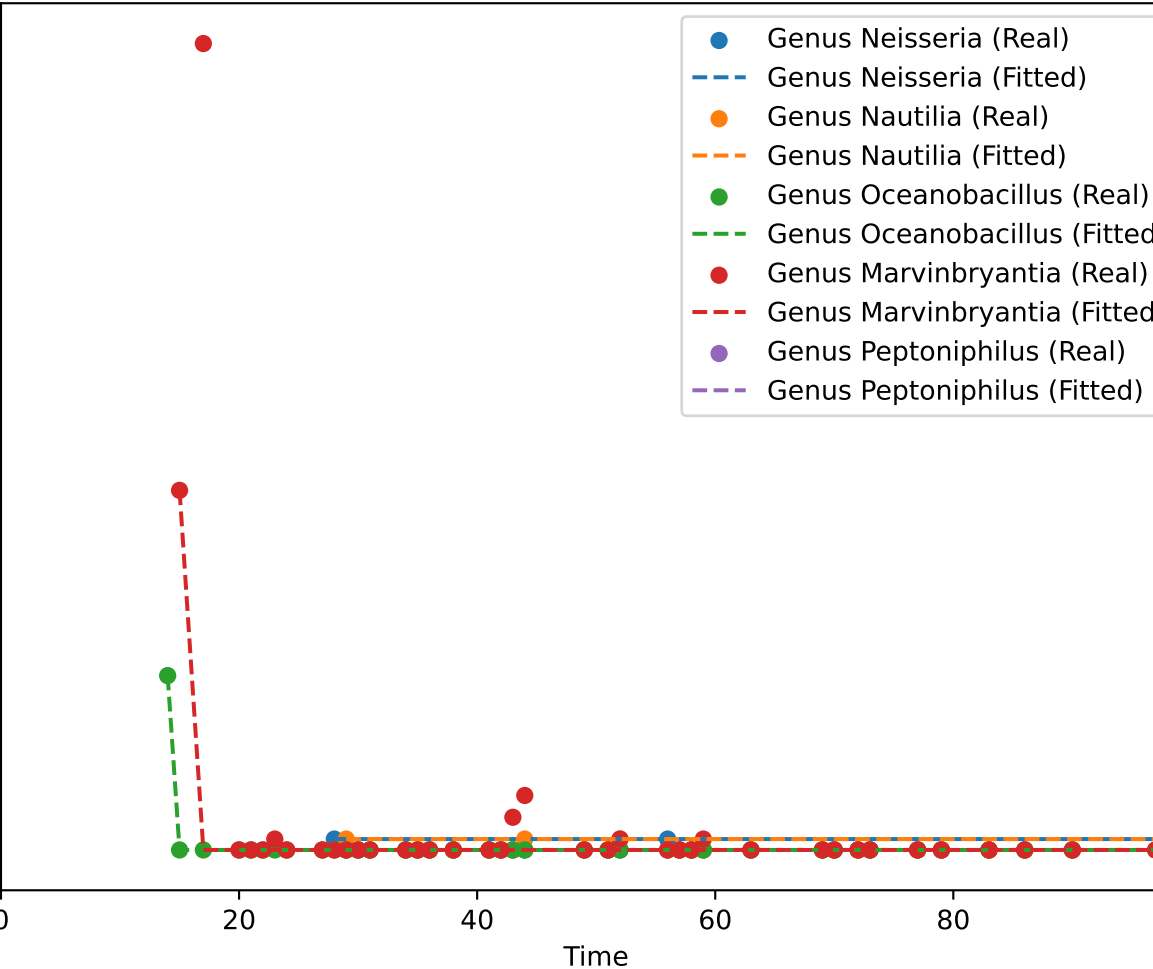
Mouse 7 - Genus Fit



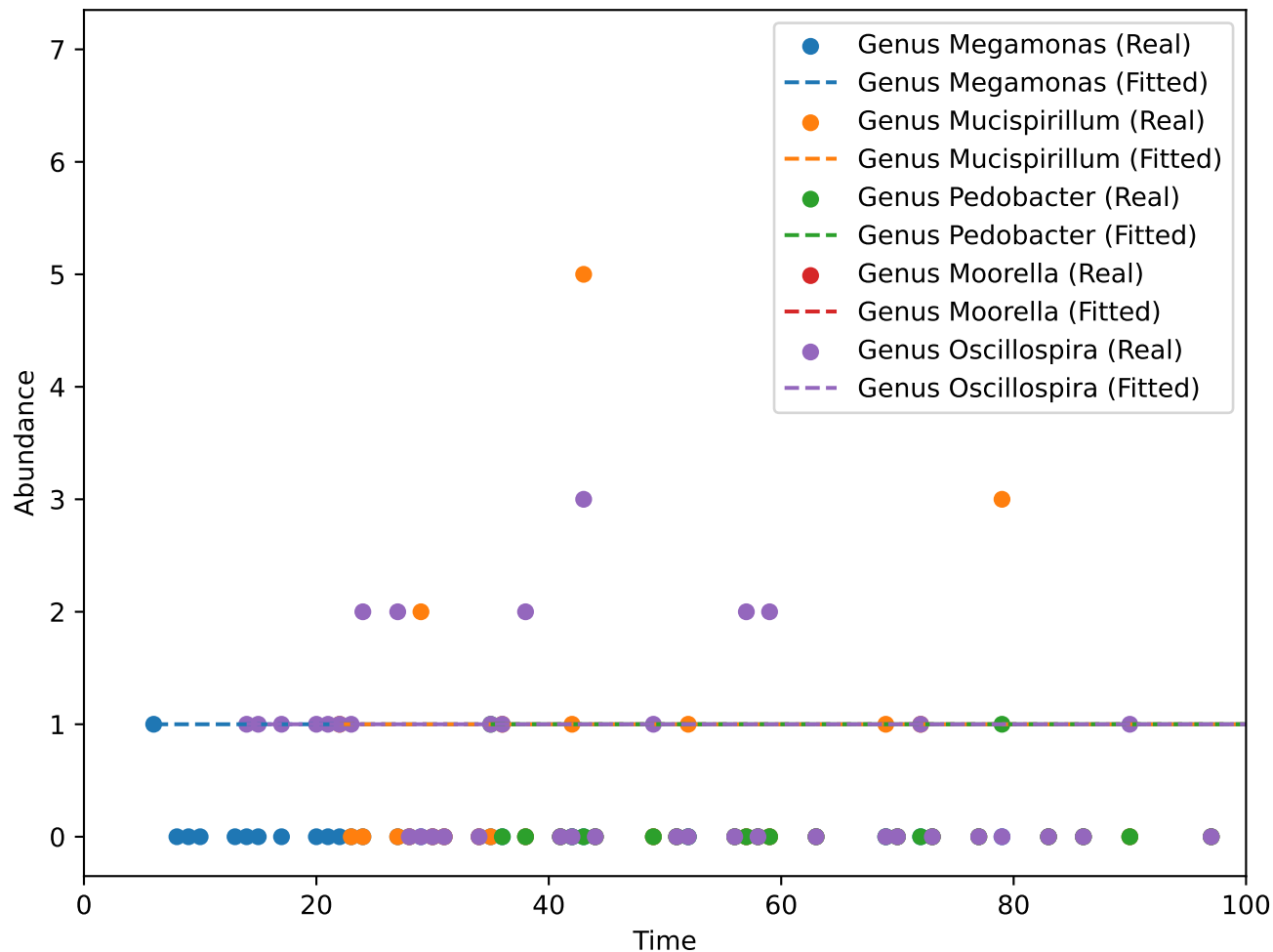
Mouse 7 - Genus Fit



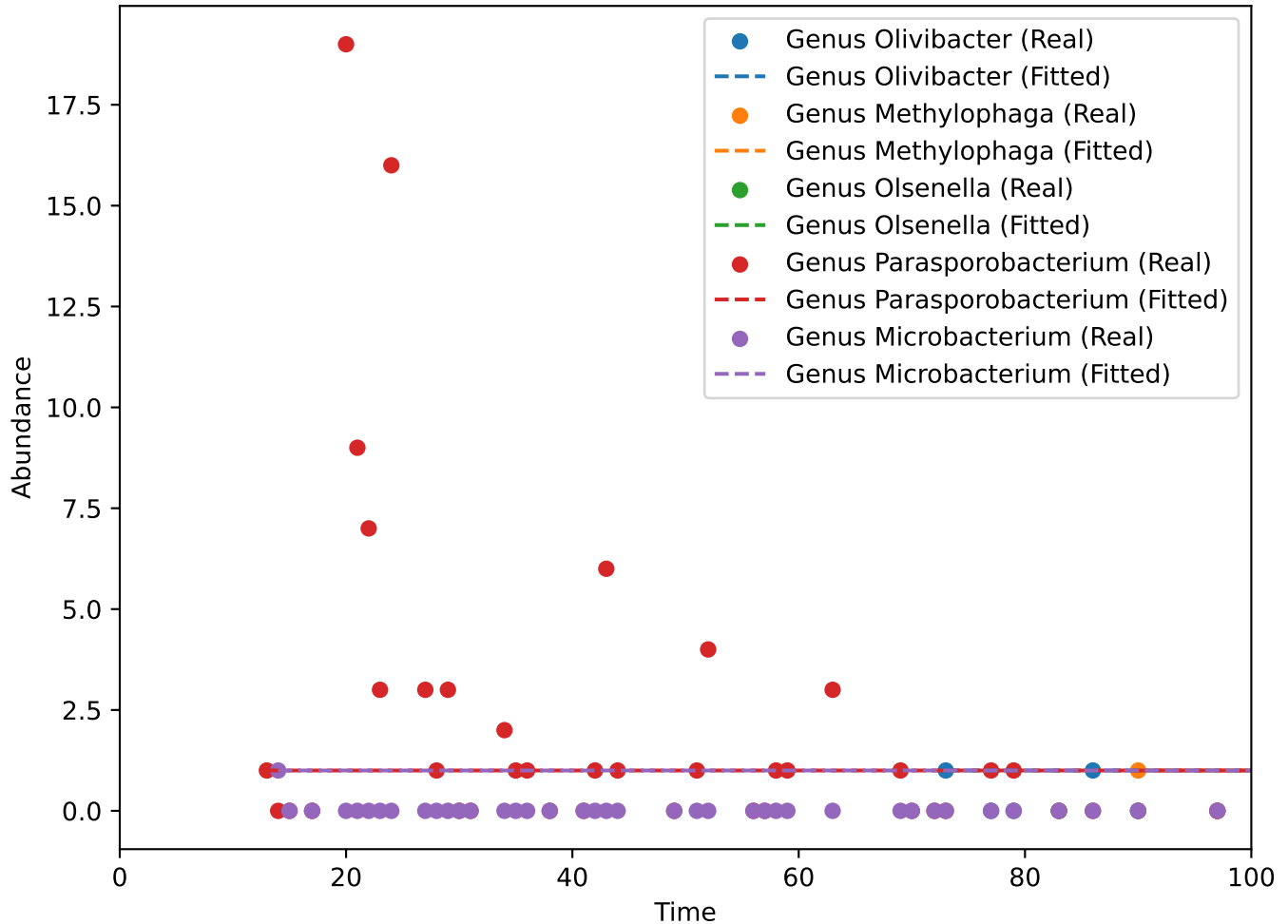
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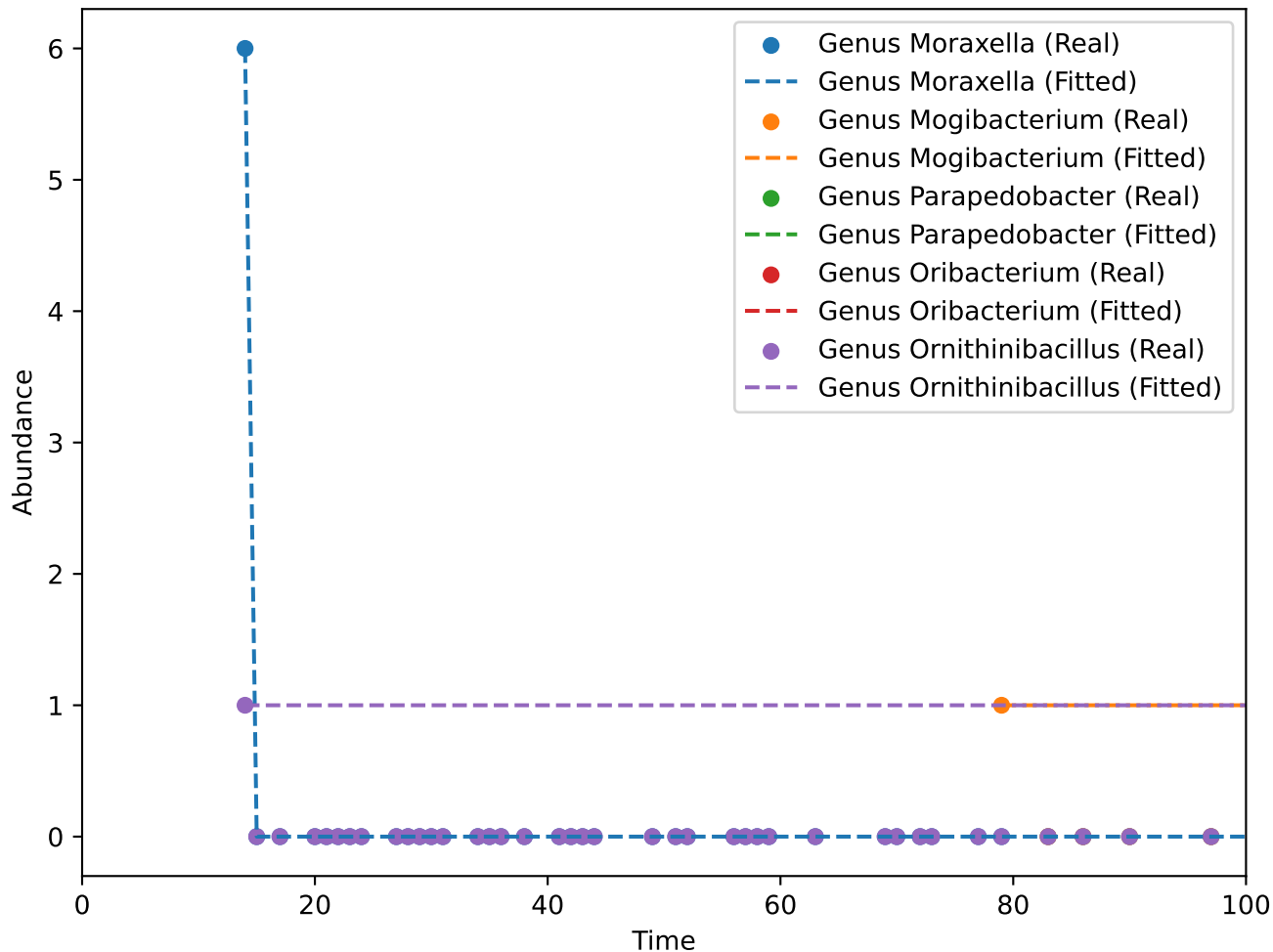


Mouse 7 - Genus Fit

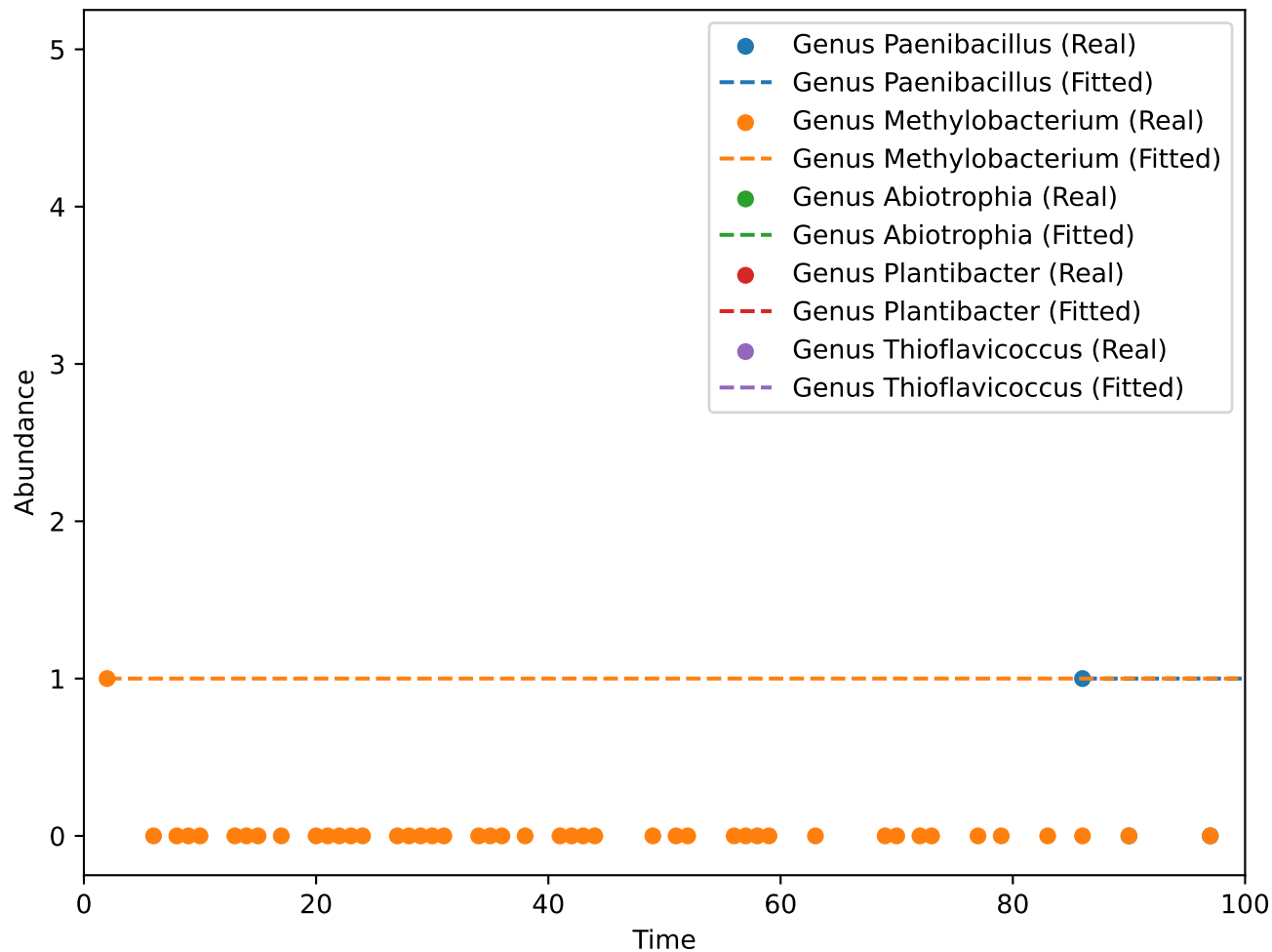


Mouse 7 - Genus Fit

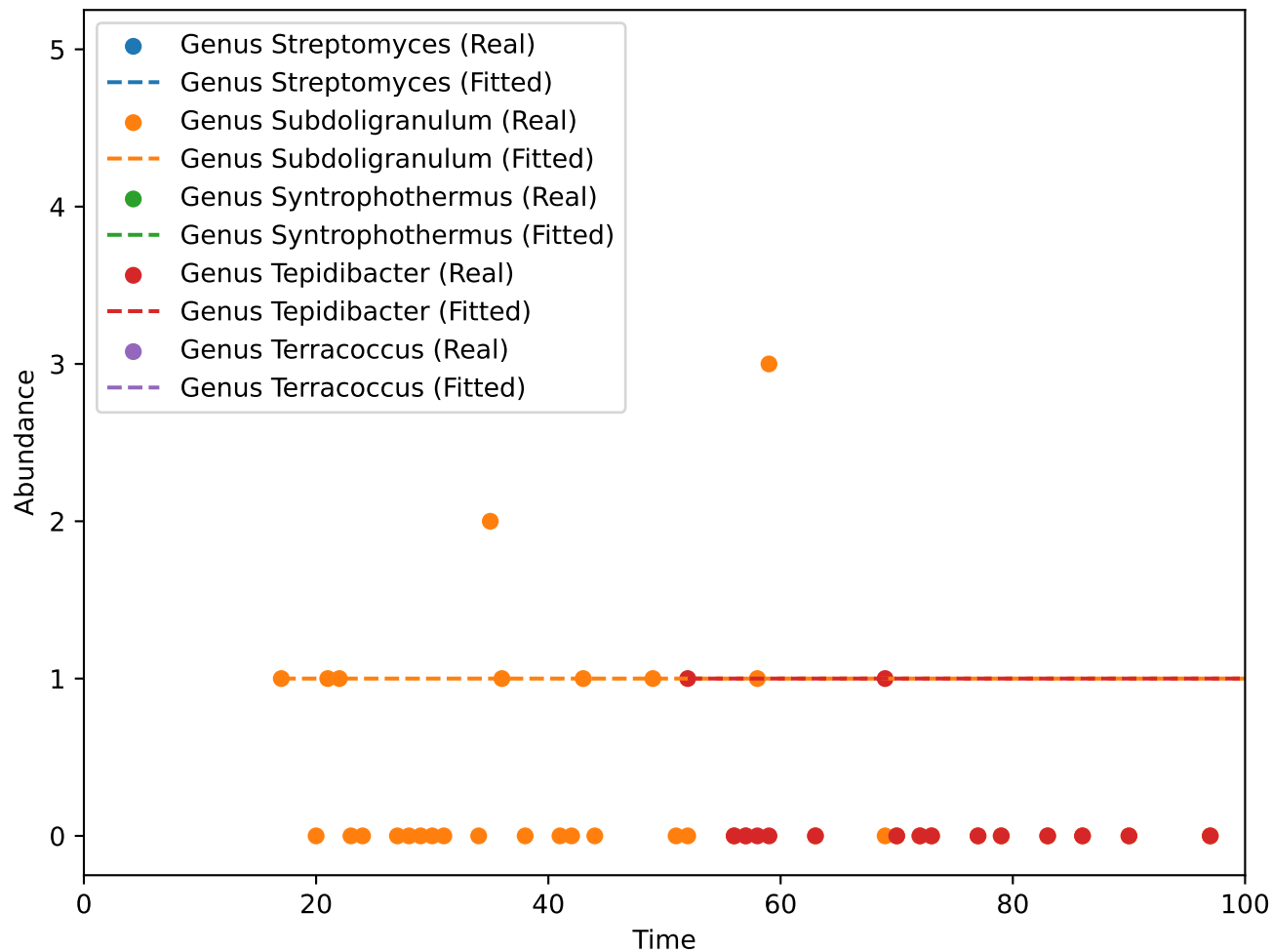


[illegible]

Mouse 7 - Genus Fit

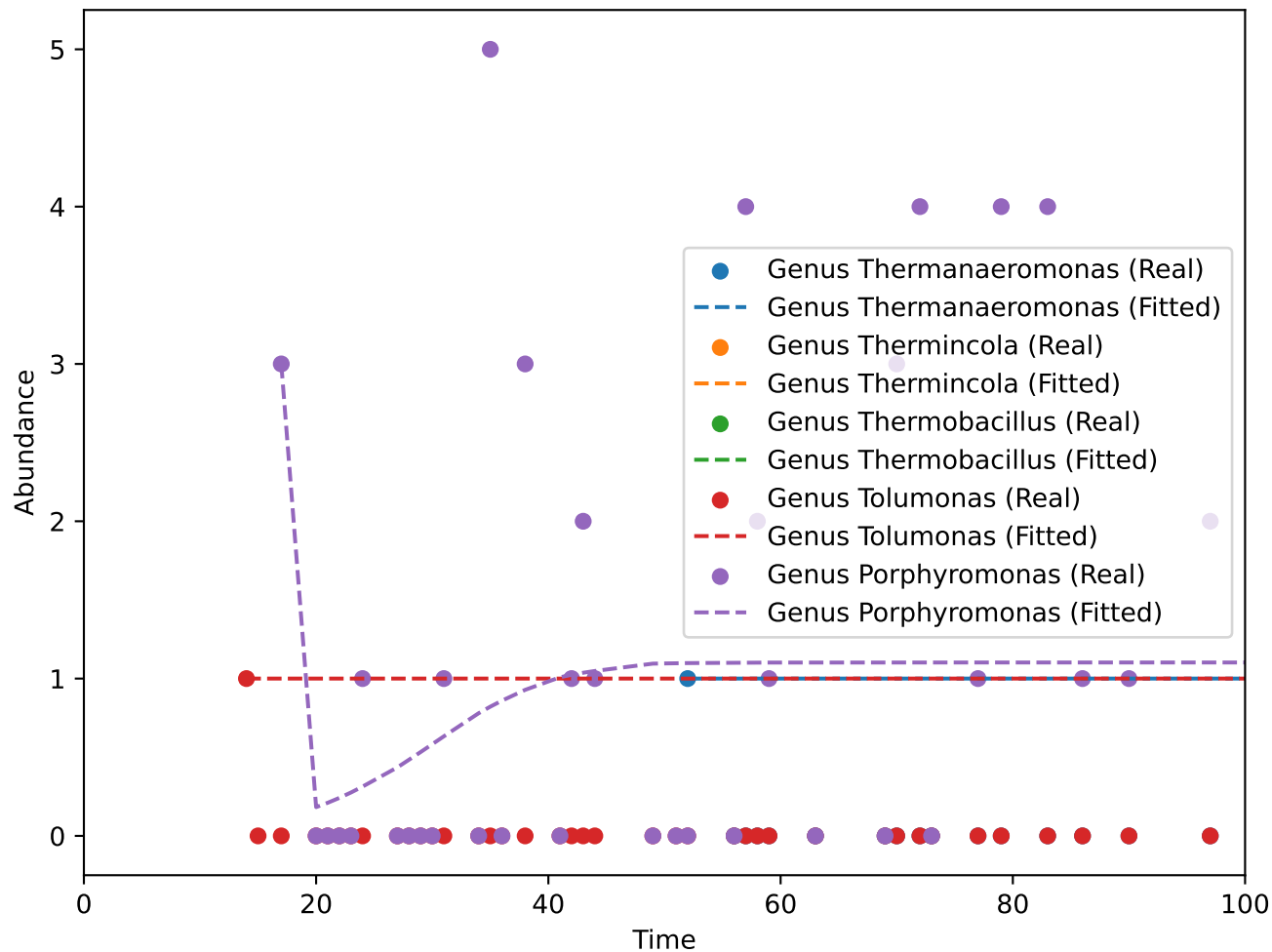


Mouse 7 - Genus Fit

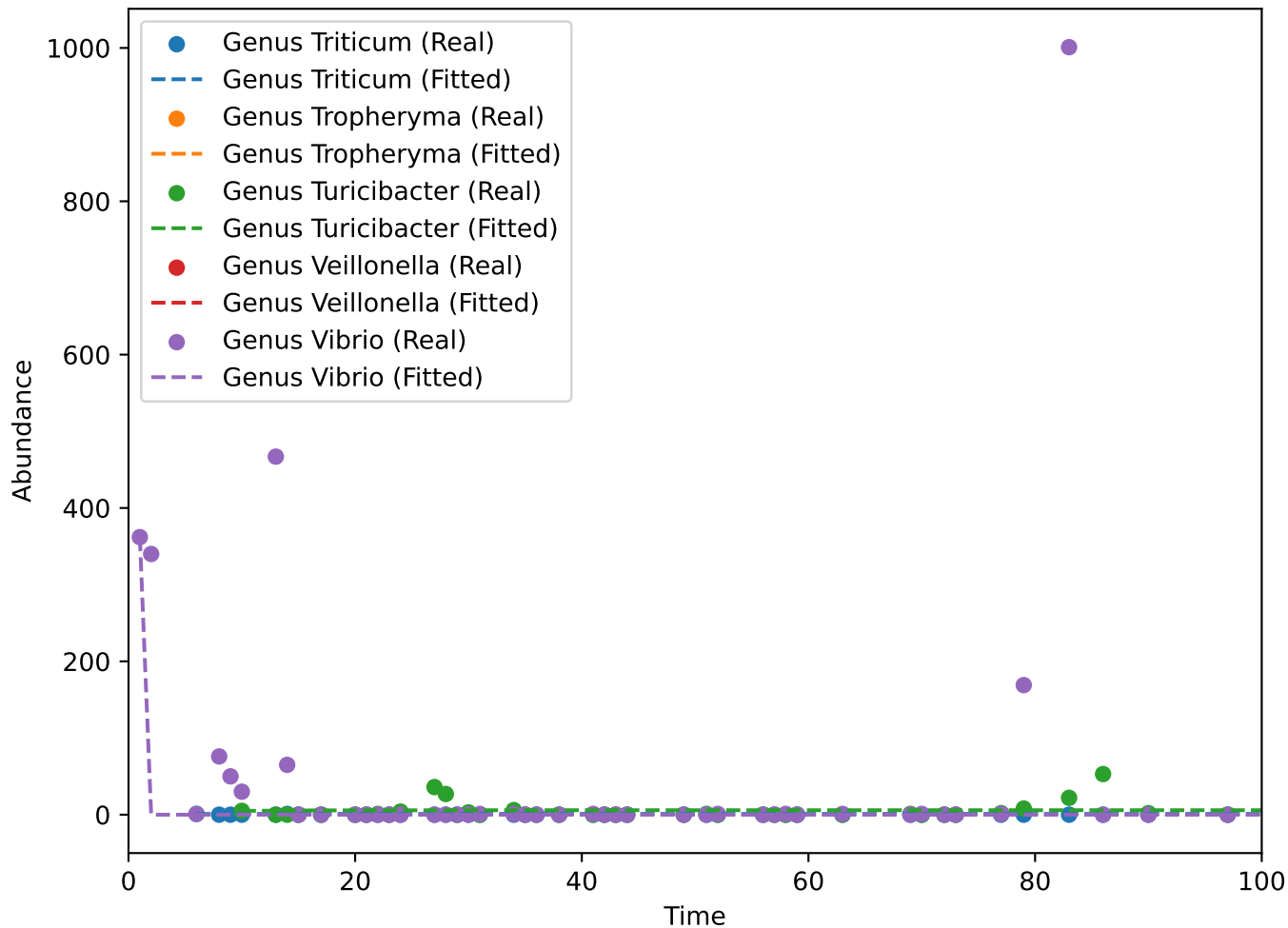




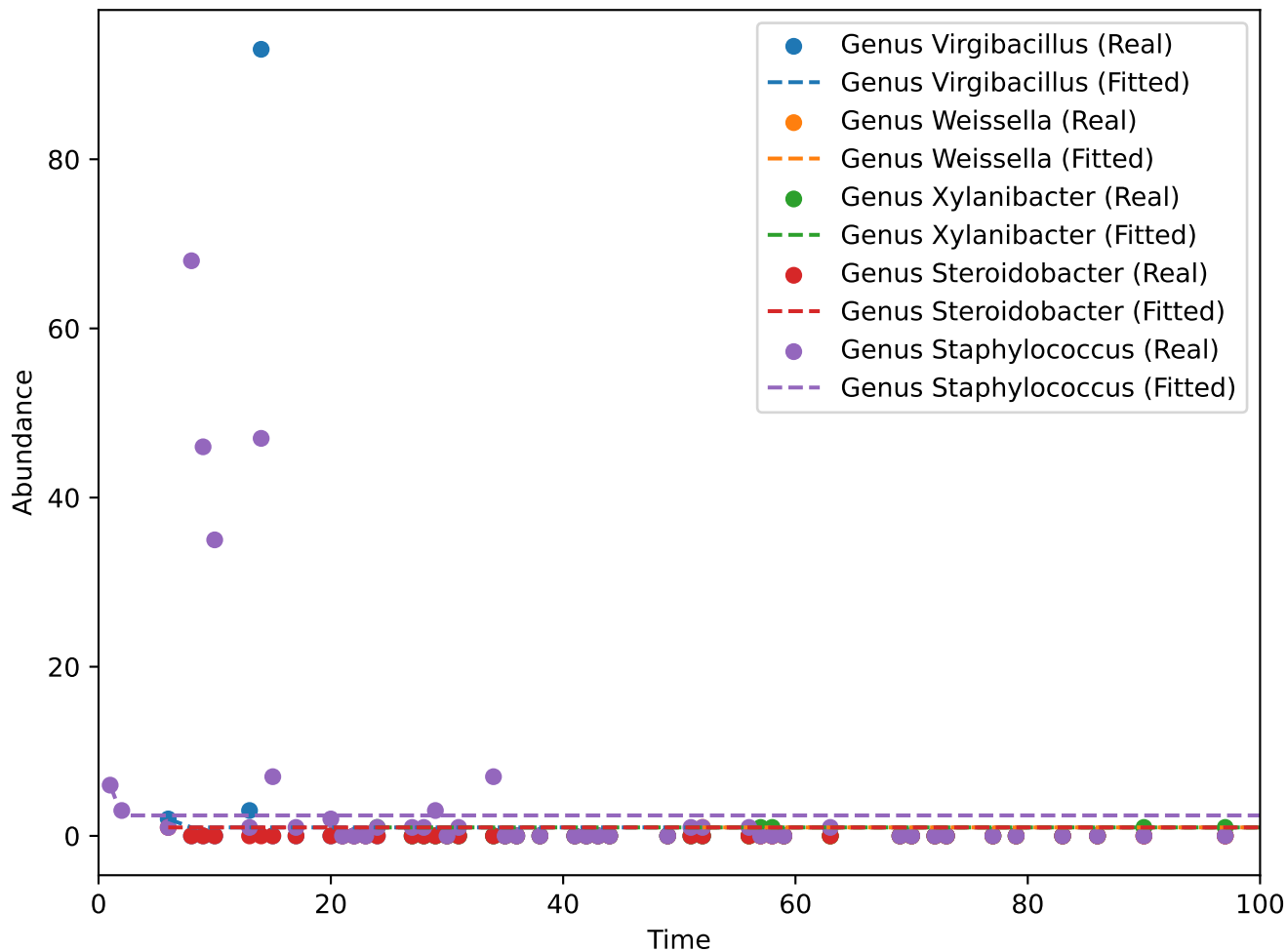
Mouse 7 - Genus Fit



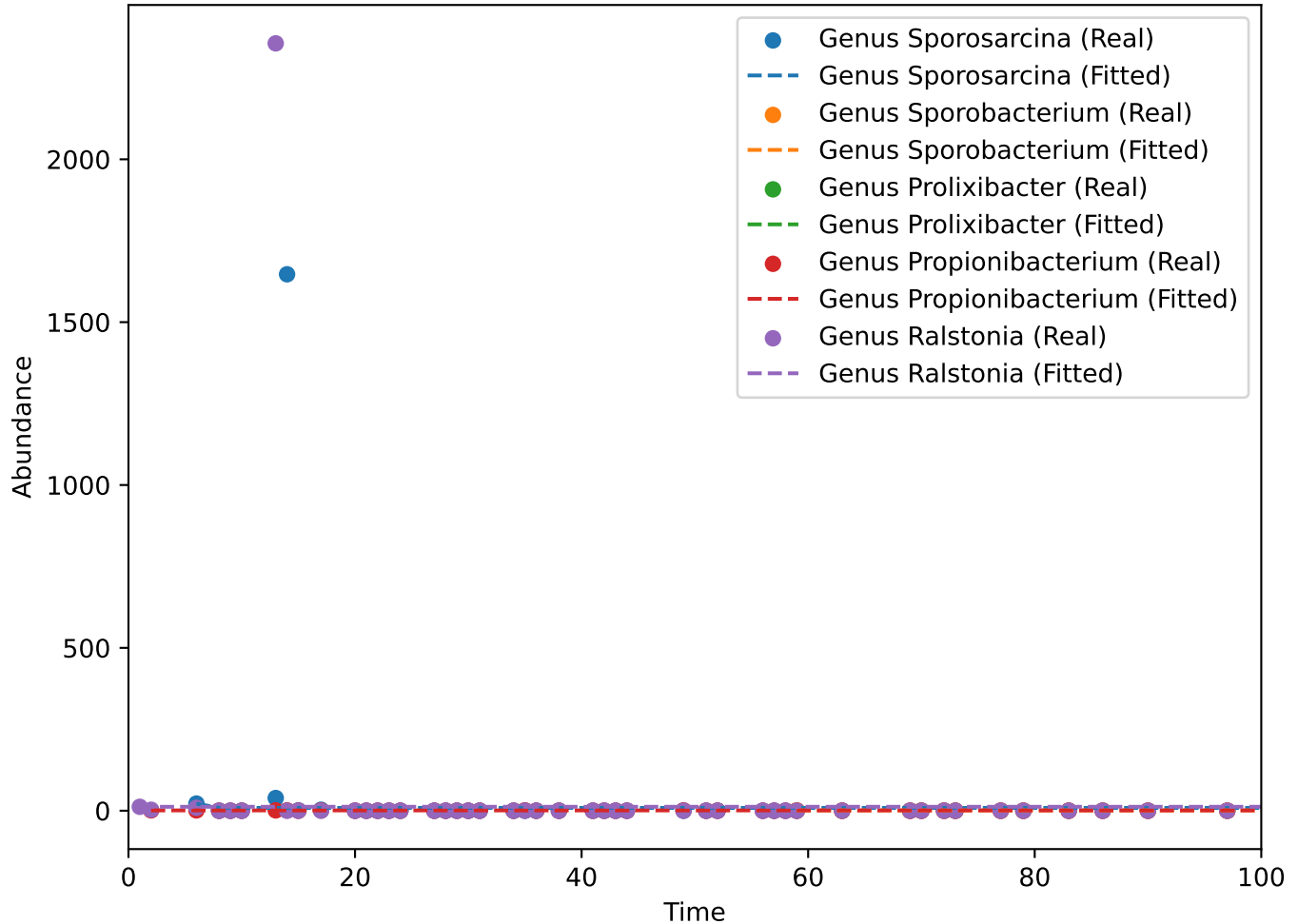
Mouse 7 - Genus Fit



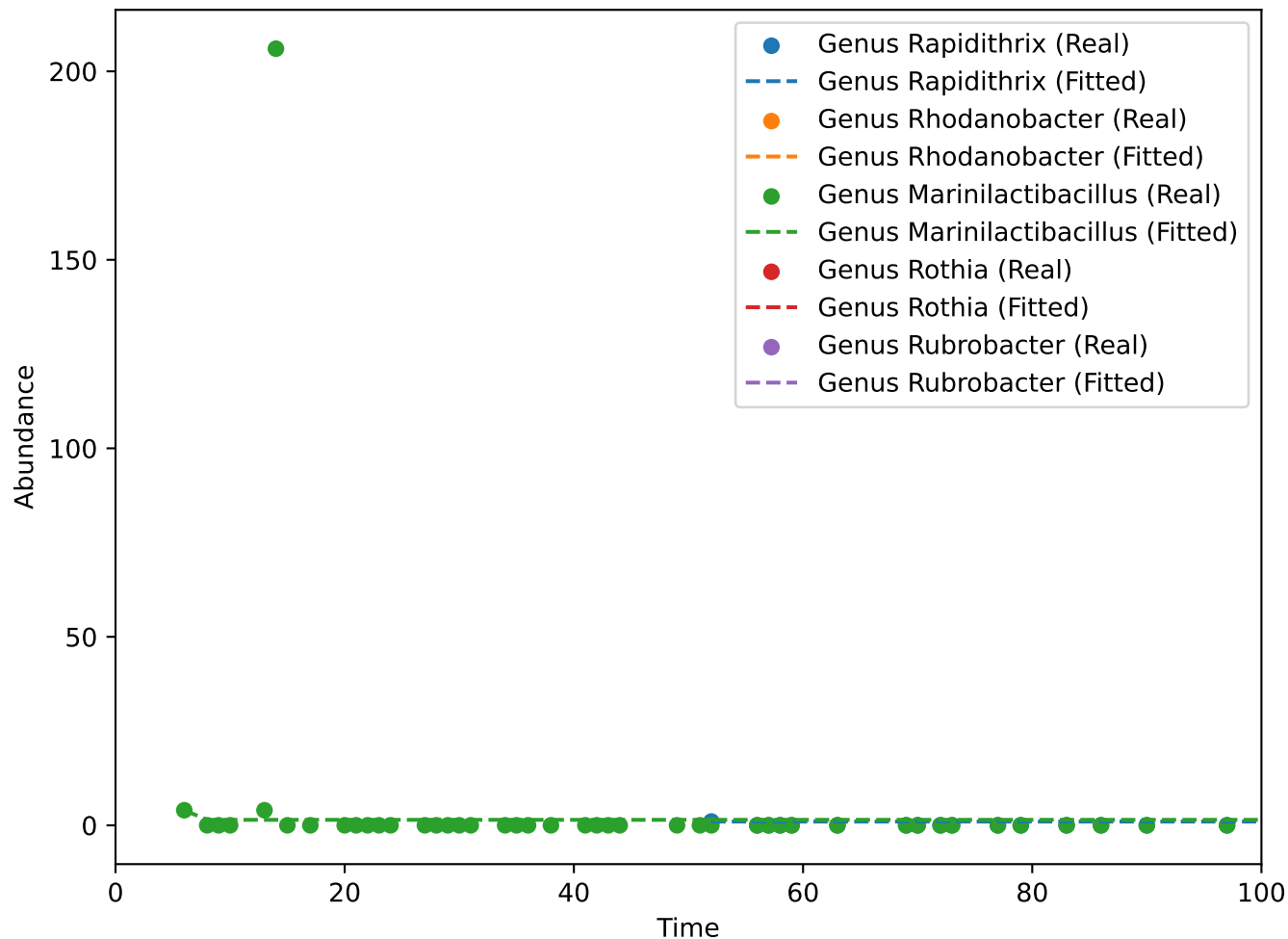
Mouse 7 - Genus Fit



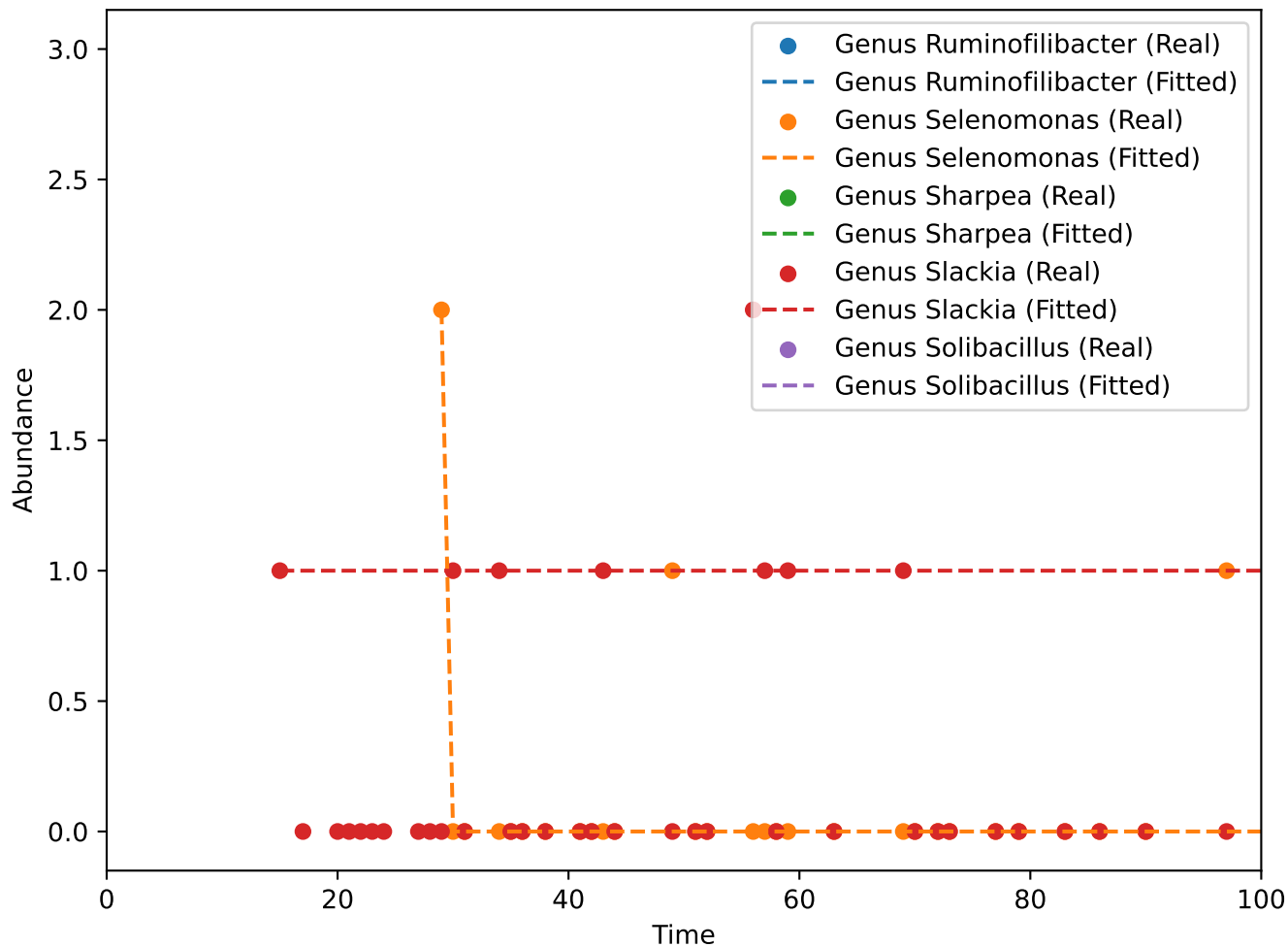
Mouse 7 - Genus Fit



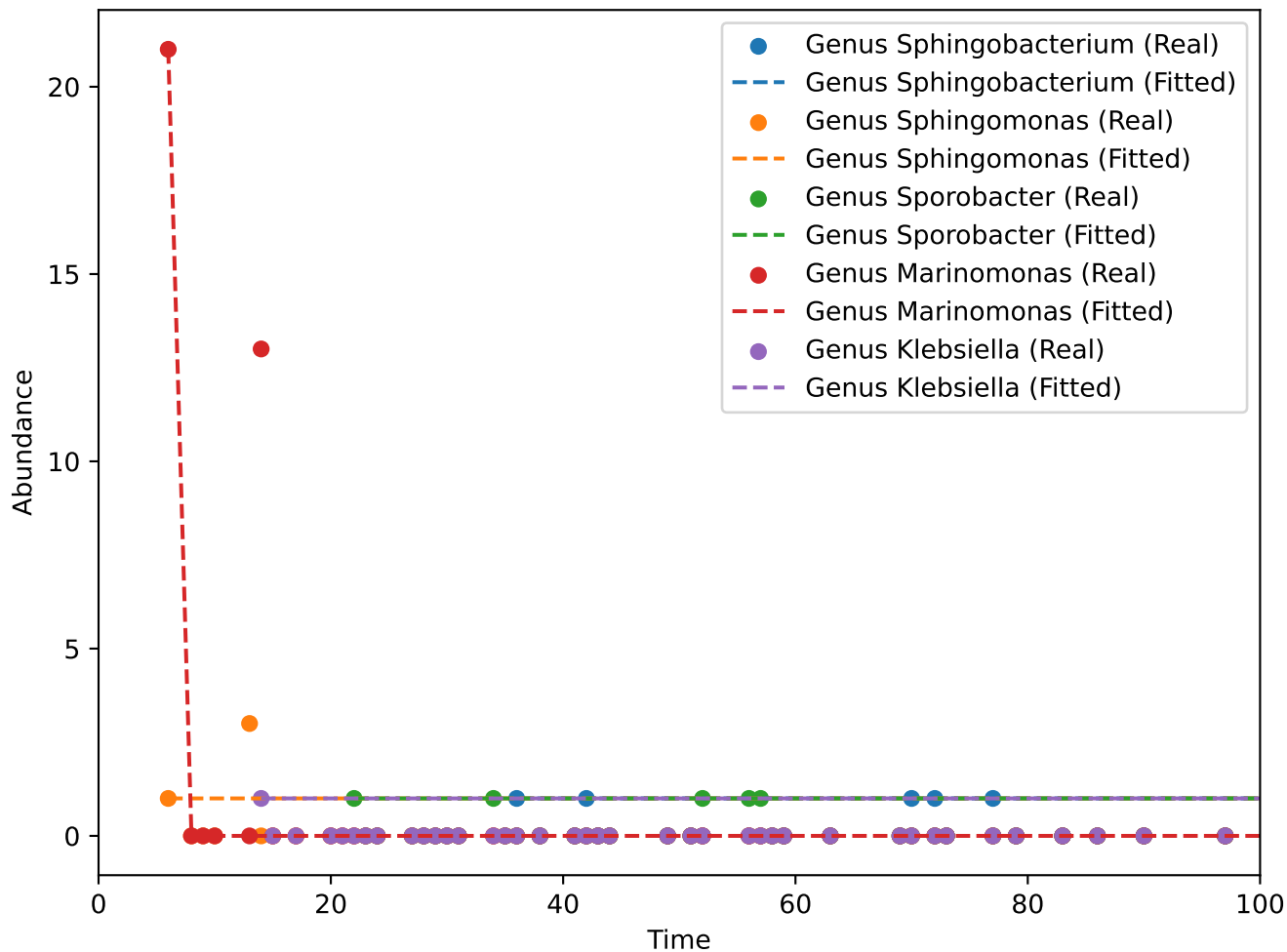
Mouse 7 - Genus Fit



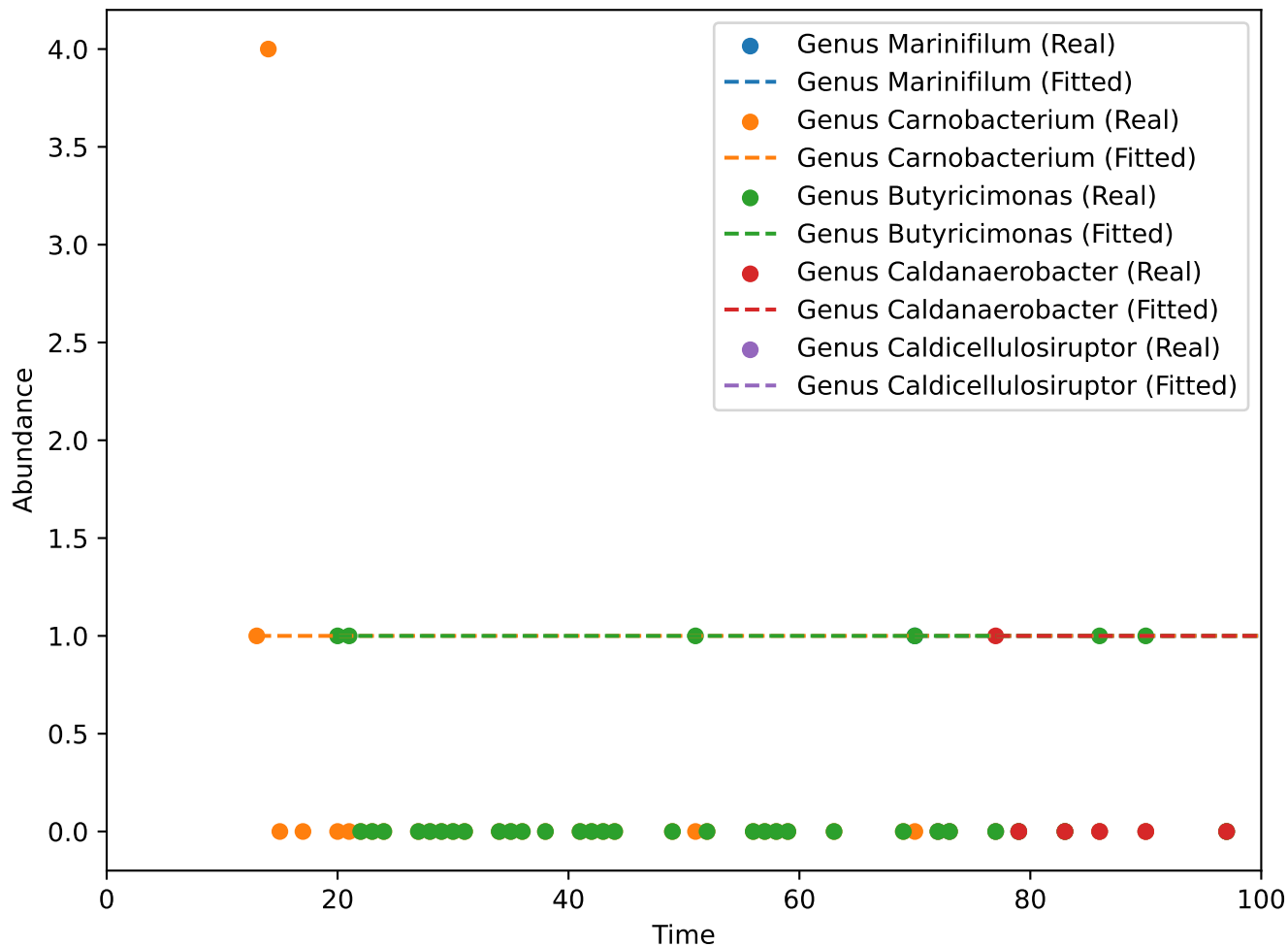
Mouse 7 - Genus Fit



Mouse 7 - Genus Fit

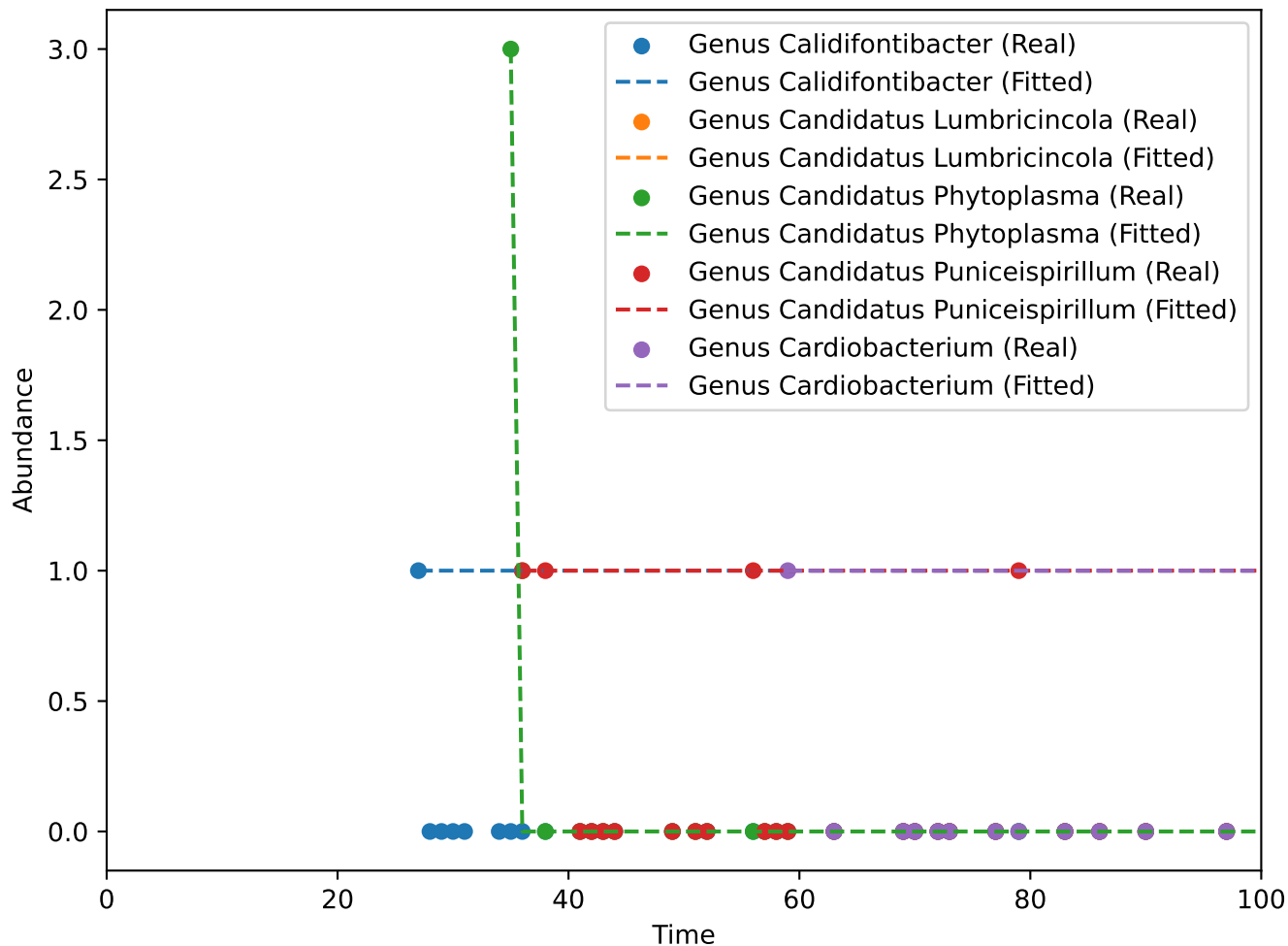


Mouse 7 - Genus Fit

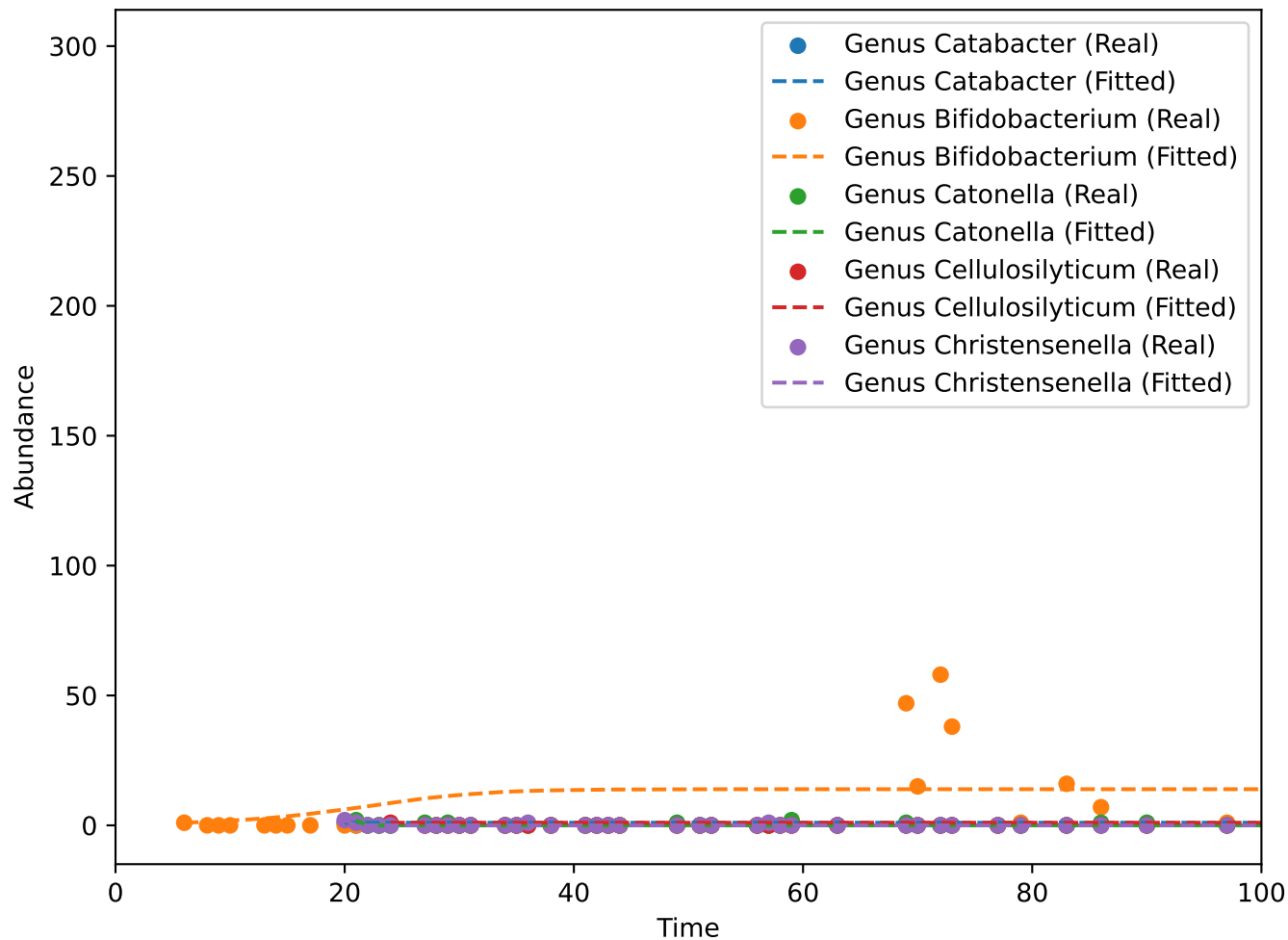




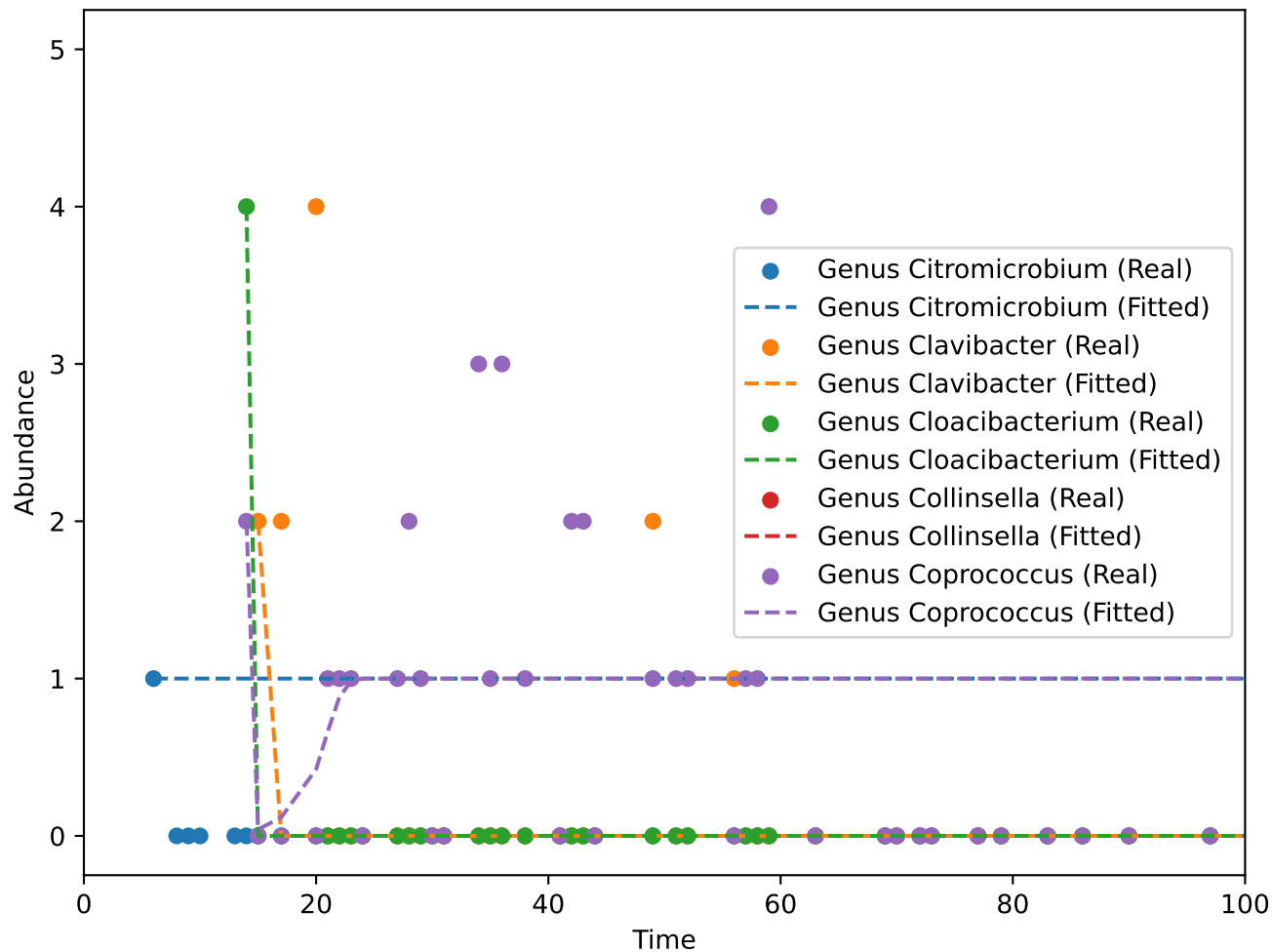
Mouse 7 - Genus Fit



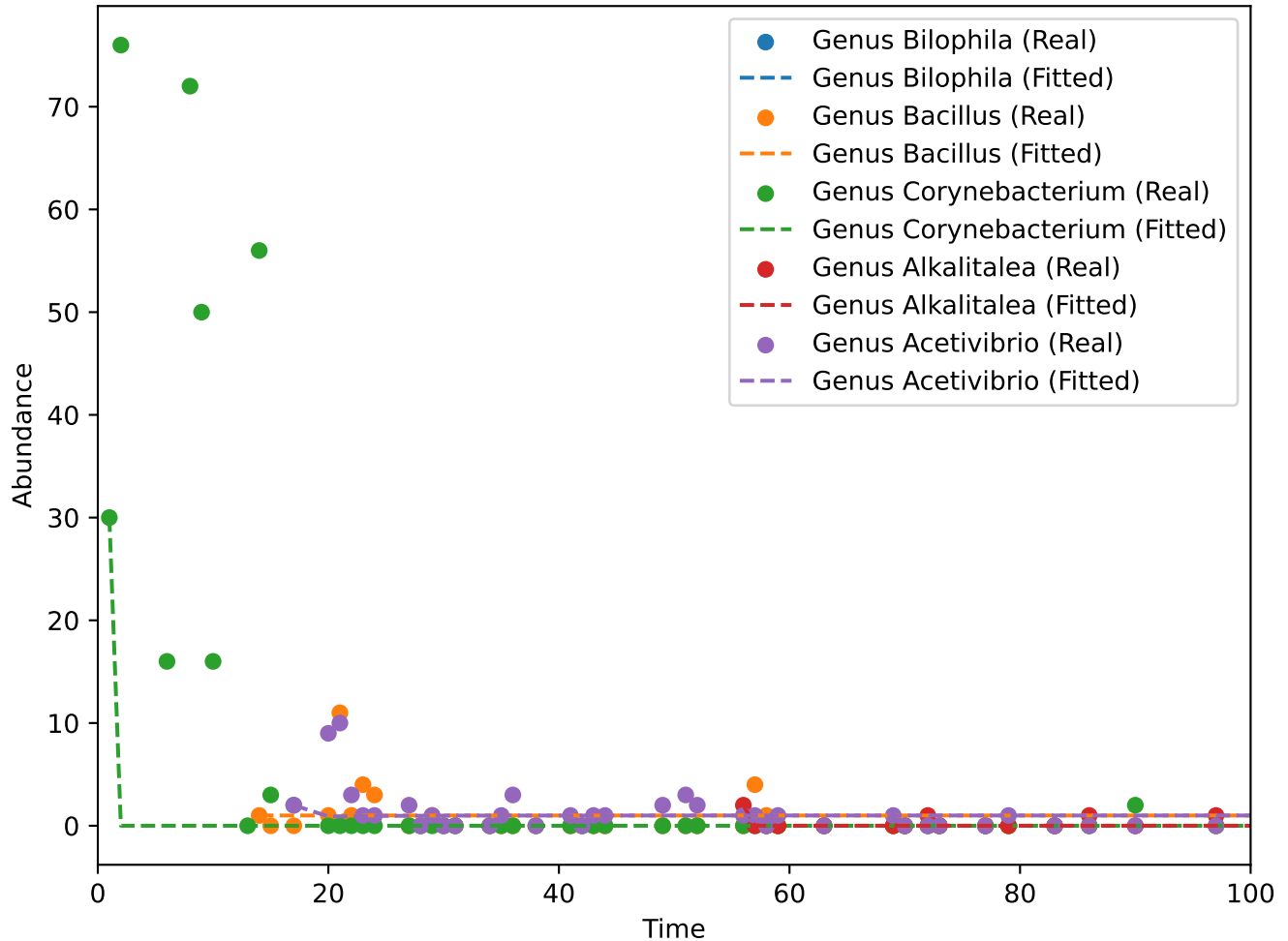
Mouse 7 - Genus Fit



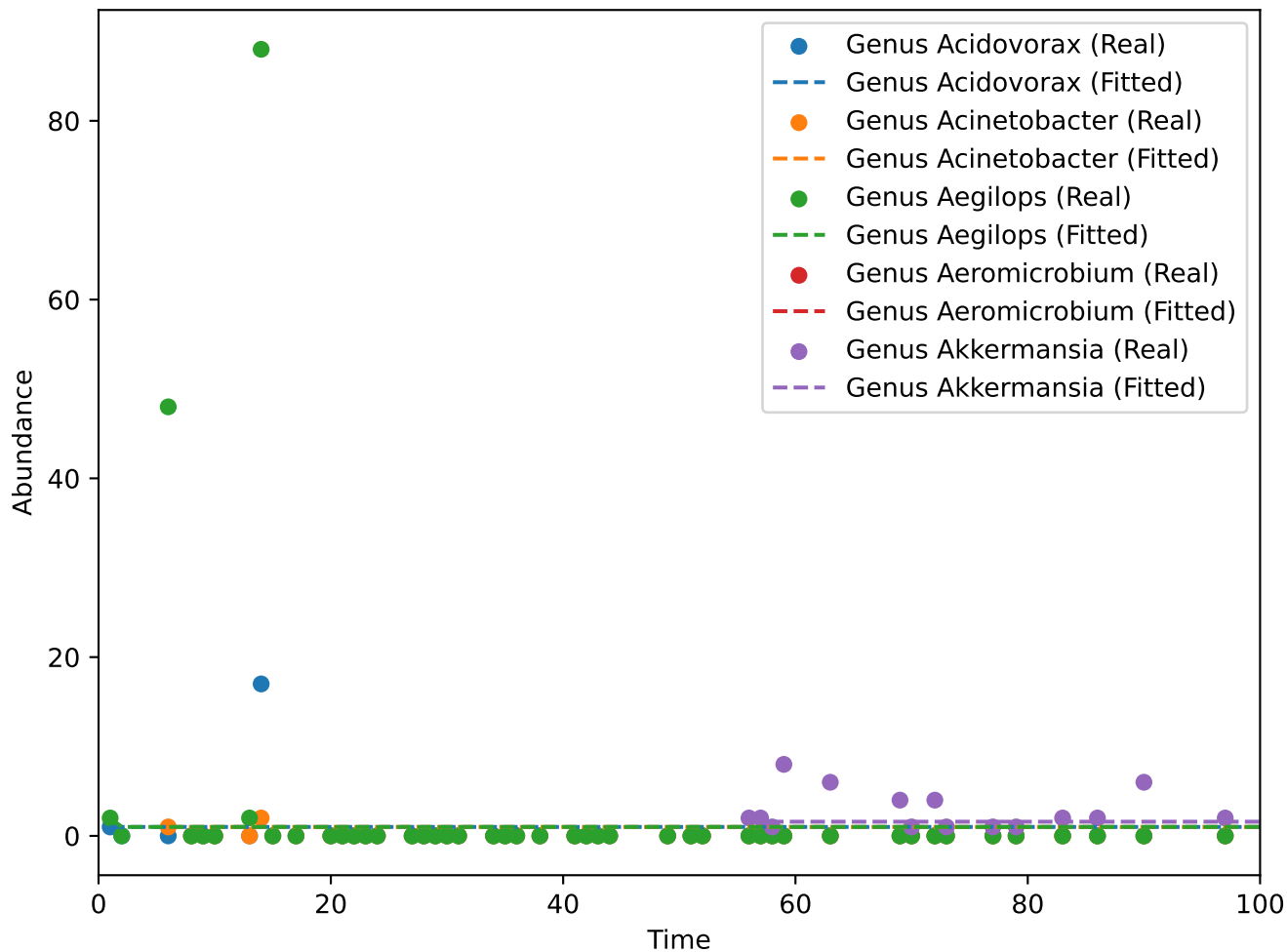
Mouse 7 - Genus Fit



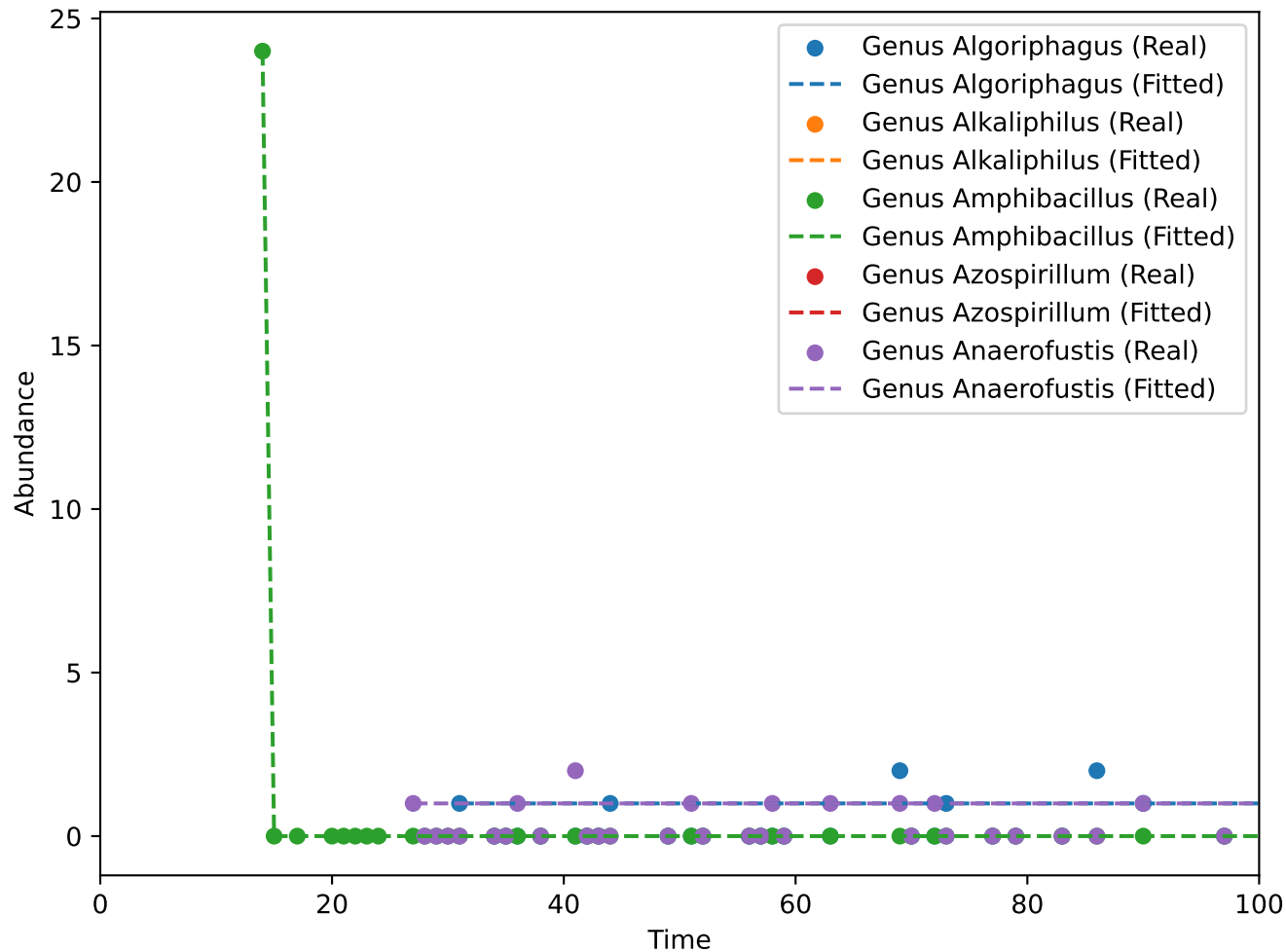
Mouse 7 - Genus Fit



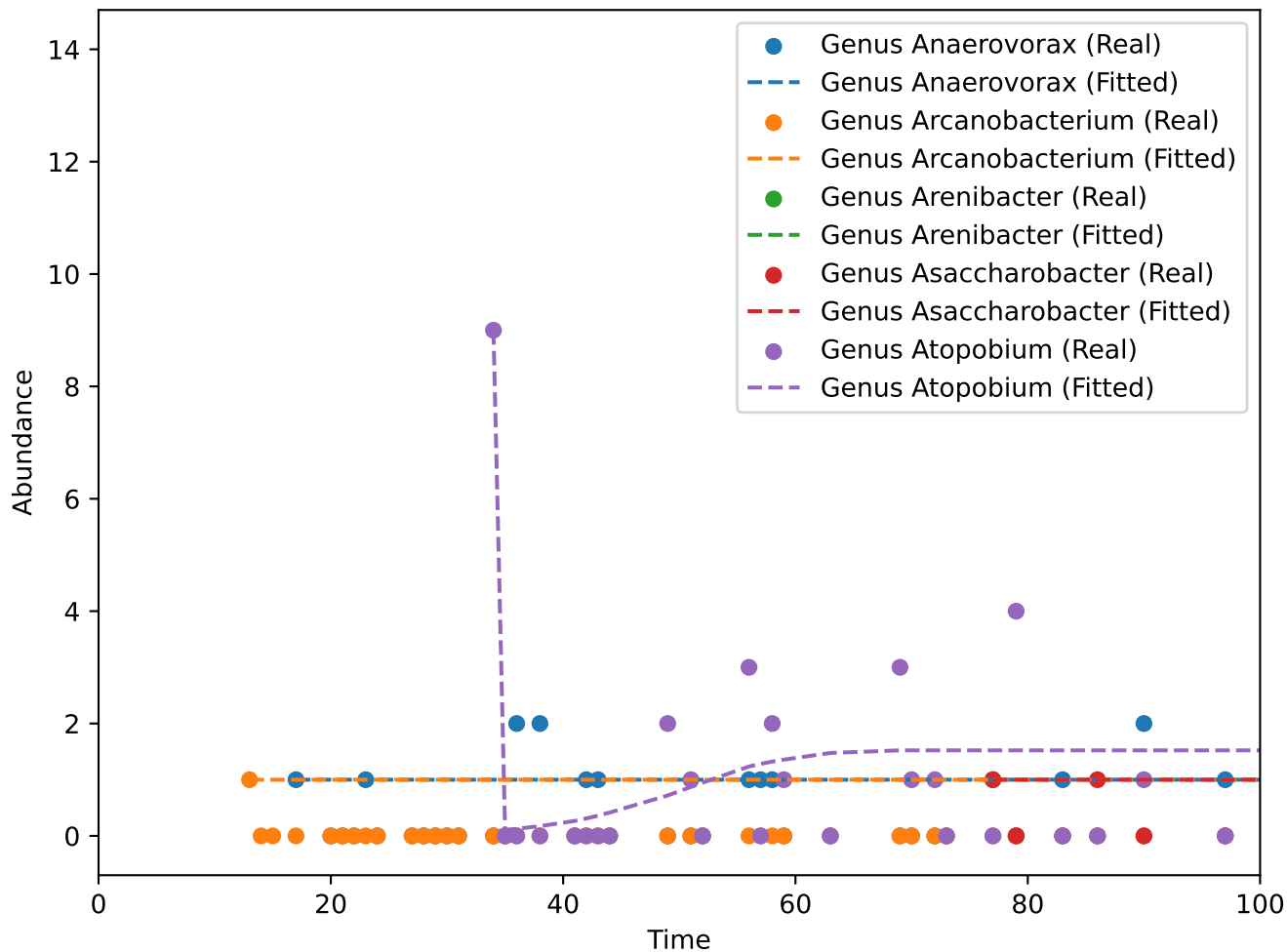
## Mouse 7 - Genus Fit



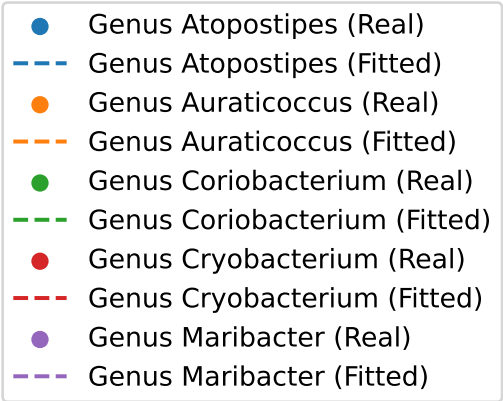
Mouse 7 - Genus Fit



Mouse 7 - Genus Fit

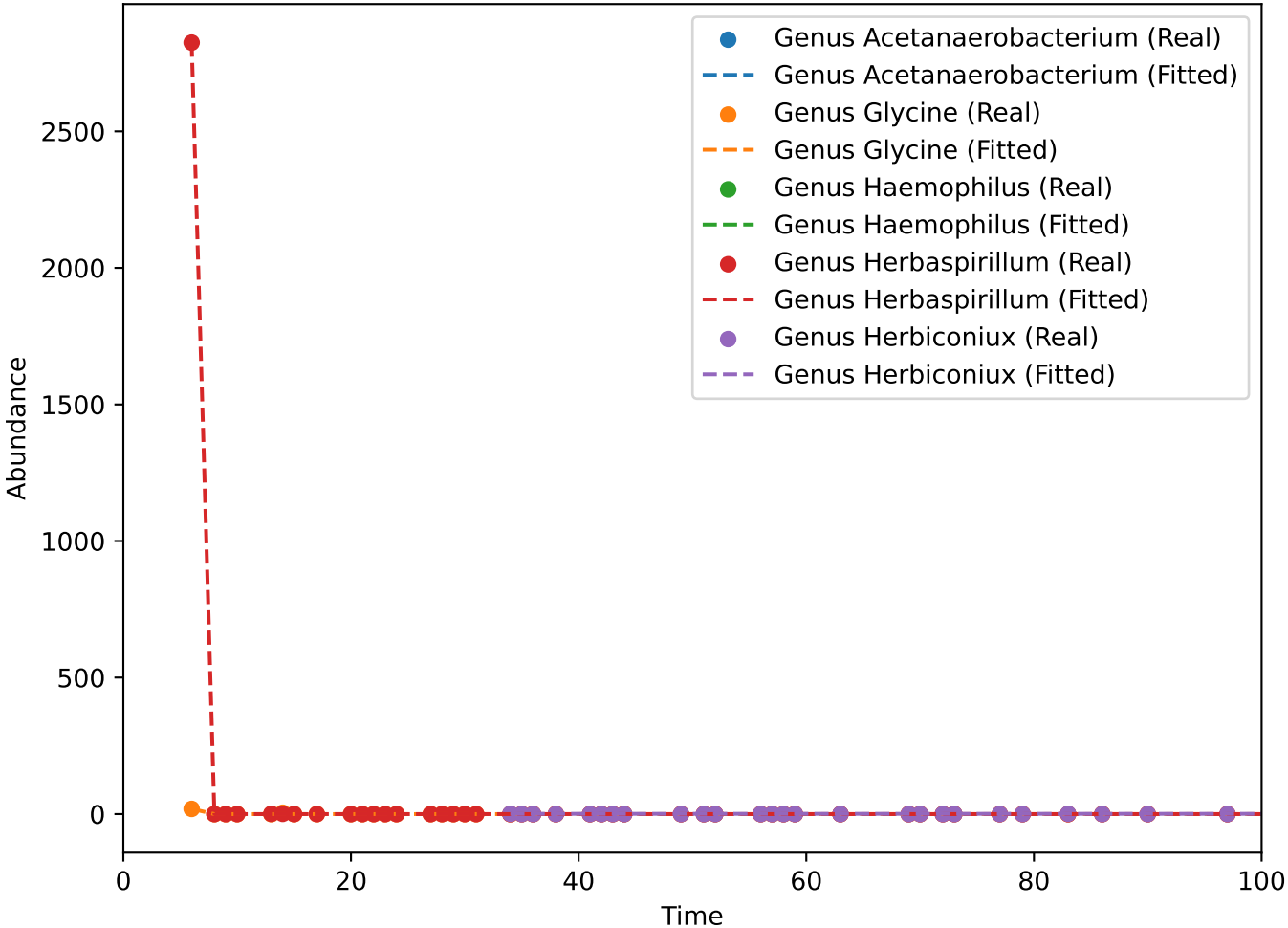


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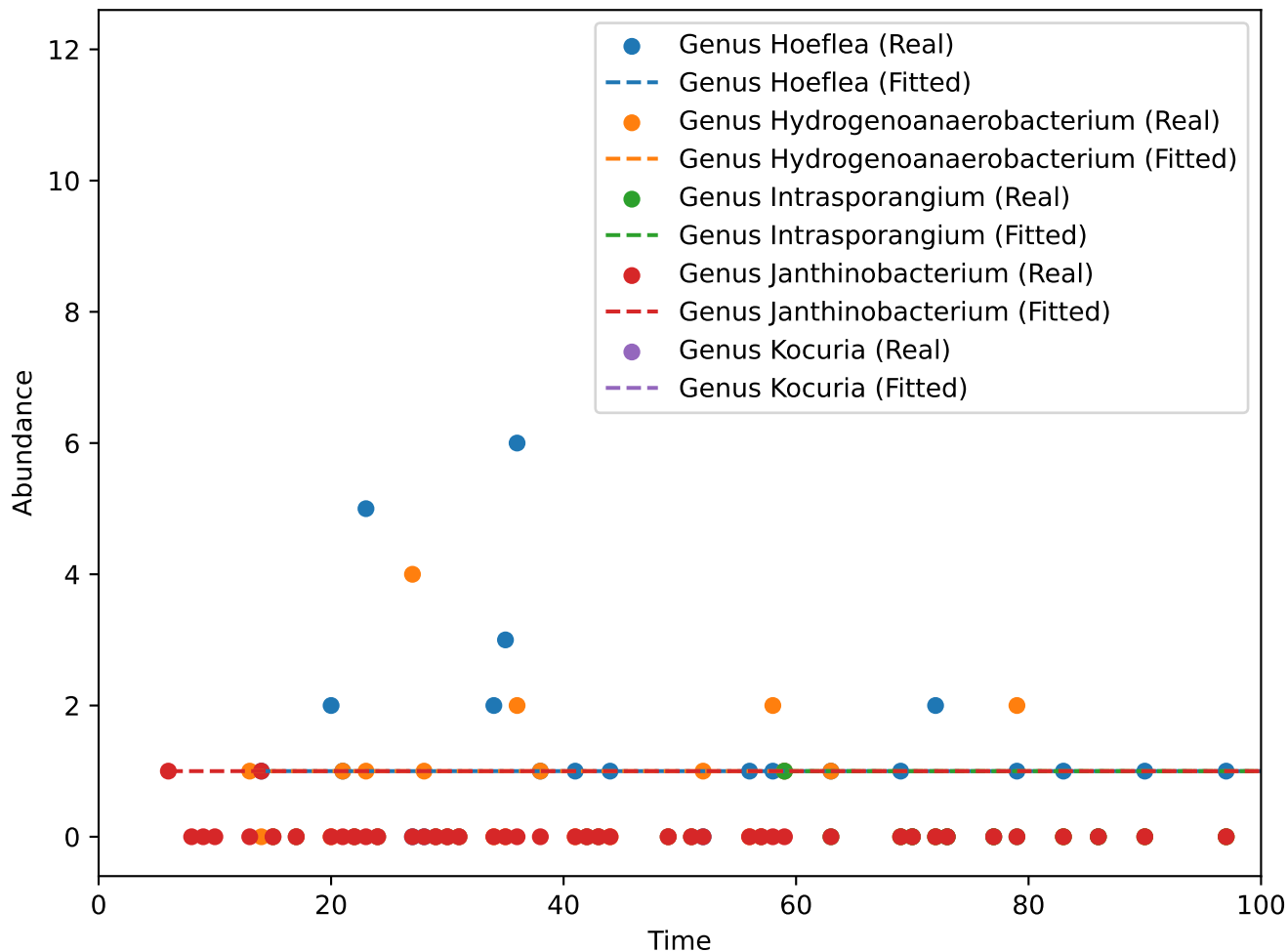




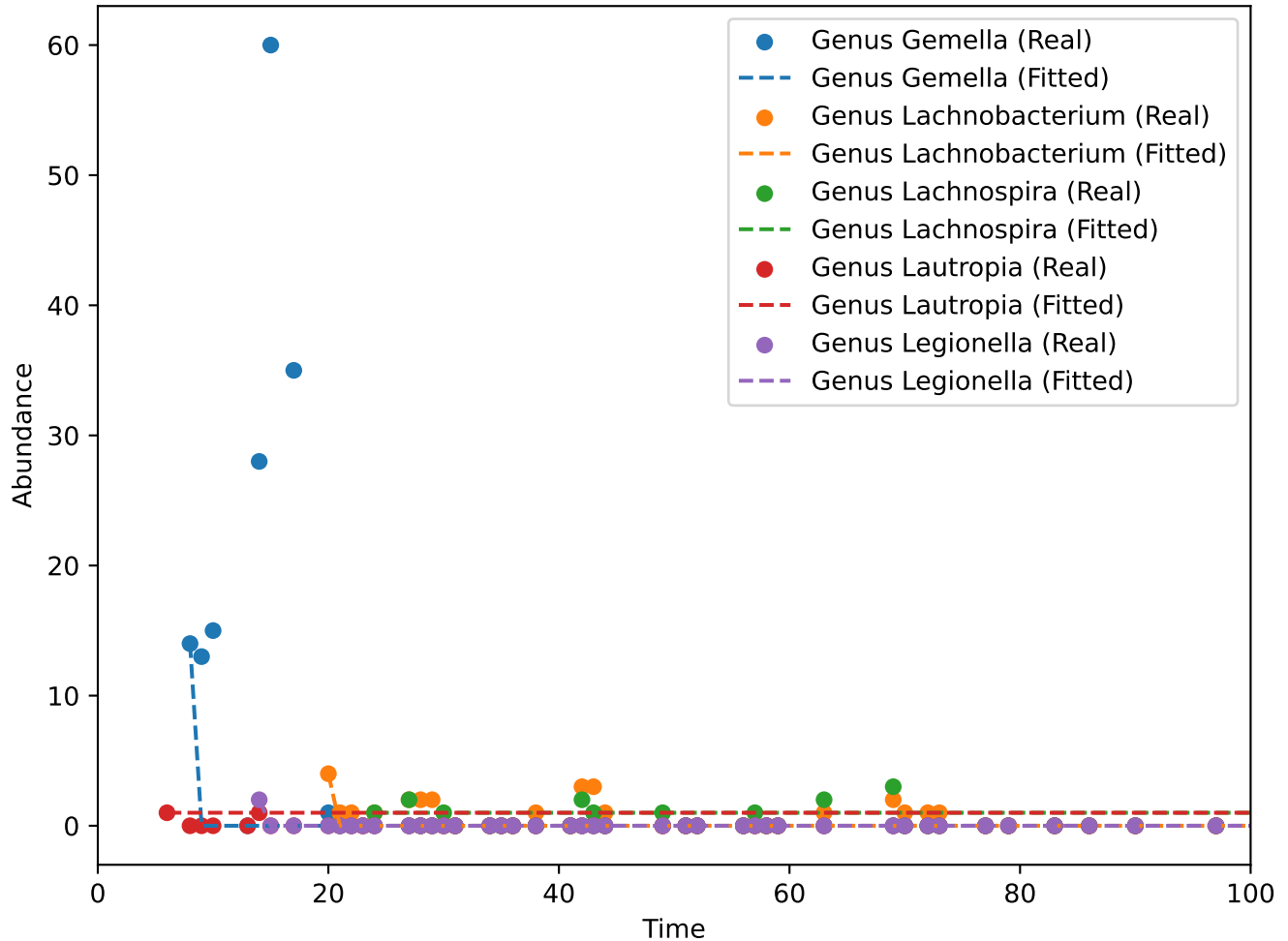
## Mouse 7 - Genus Fit



Mouse 7 - Genus Fit



Mouse 7 - Genus Fit

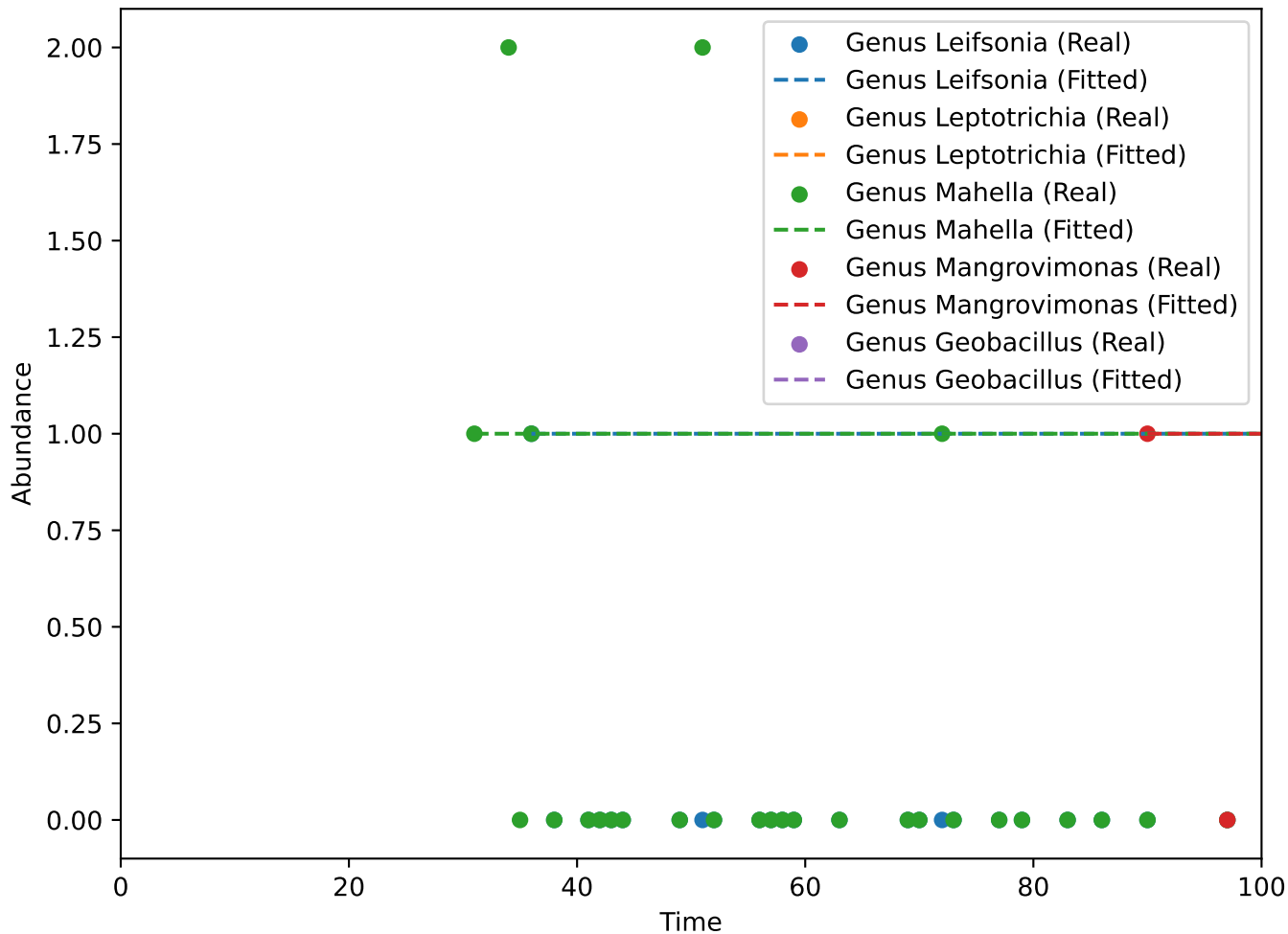


Scatter plot showing the relationship between  $\log_{10}(1 + 1000 \times \text{relative abundance})$  (X-axis) and an unlabeled Y-axis (ranging from 0 to 10). The plot displays data points for five bacterial genera, comparing real data (colored dots) with fitted curves (dashed lines).

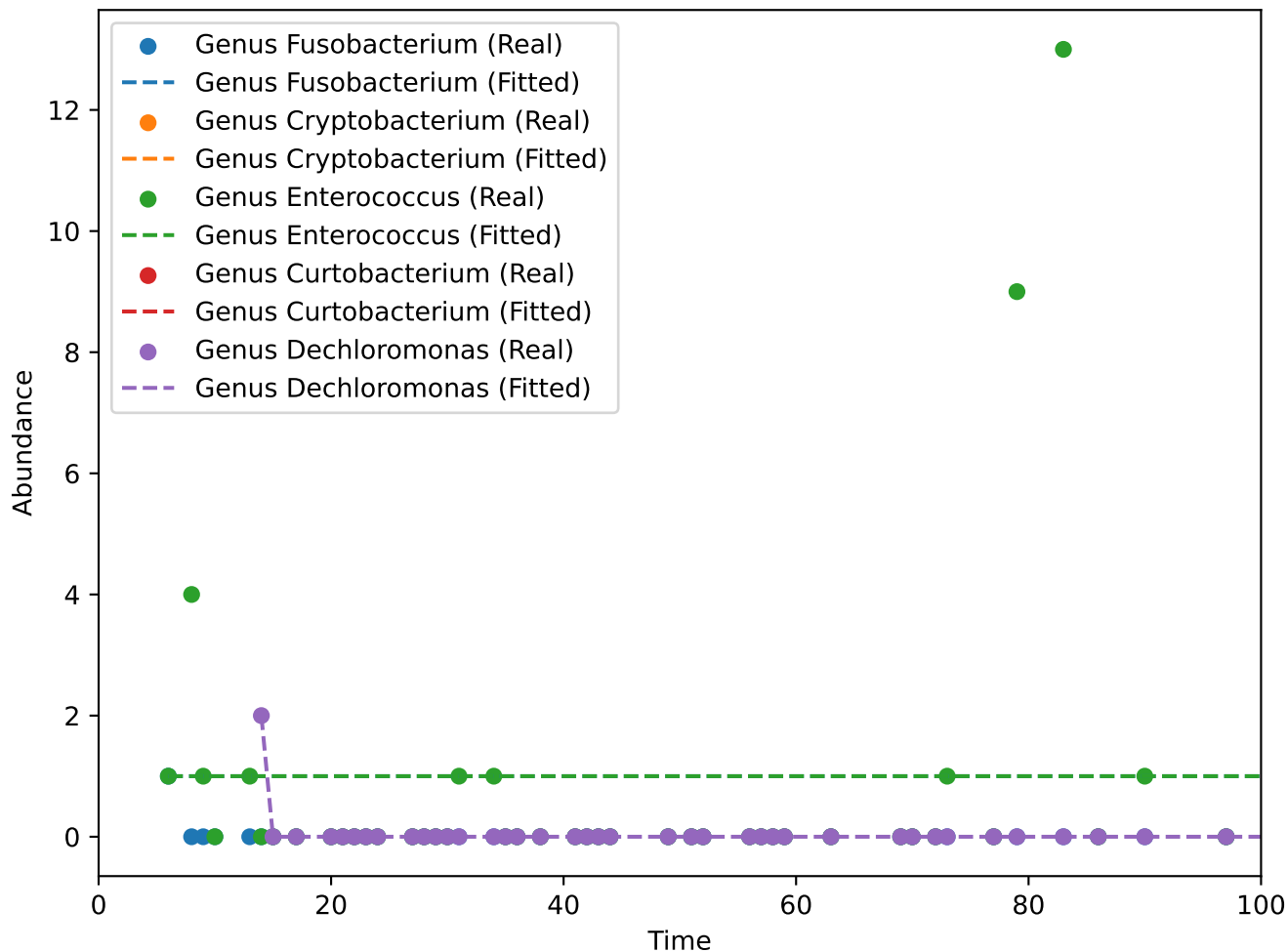
Legend:

- Genus Leifsonia (Real): Blue dot
- Genus Leifsonia (Fitted): Blue dashed line
- Genus Leptotrichia (Real): Orange dot
- Genus Leptotrichia (Fitted): Orange dashed line
- Genus Mahella (Real): Green dot
- Genus Mahella (Fitted): Green dashed line
- Genus Mangrovimonas (Real): Red dot
- Genus Mangrovimonas (Fitted): Red dashed line
- Genus Geobacillus (Real): Purple dot
- Genus Geobacillus (Fitted): Purple dashed line

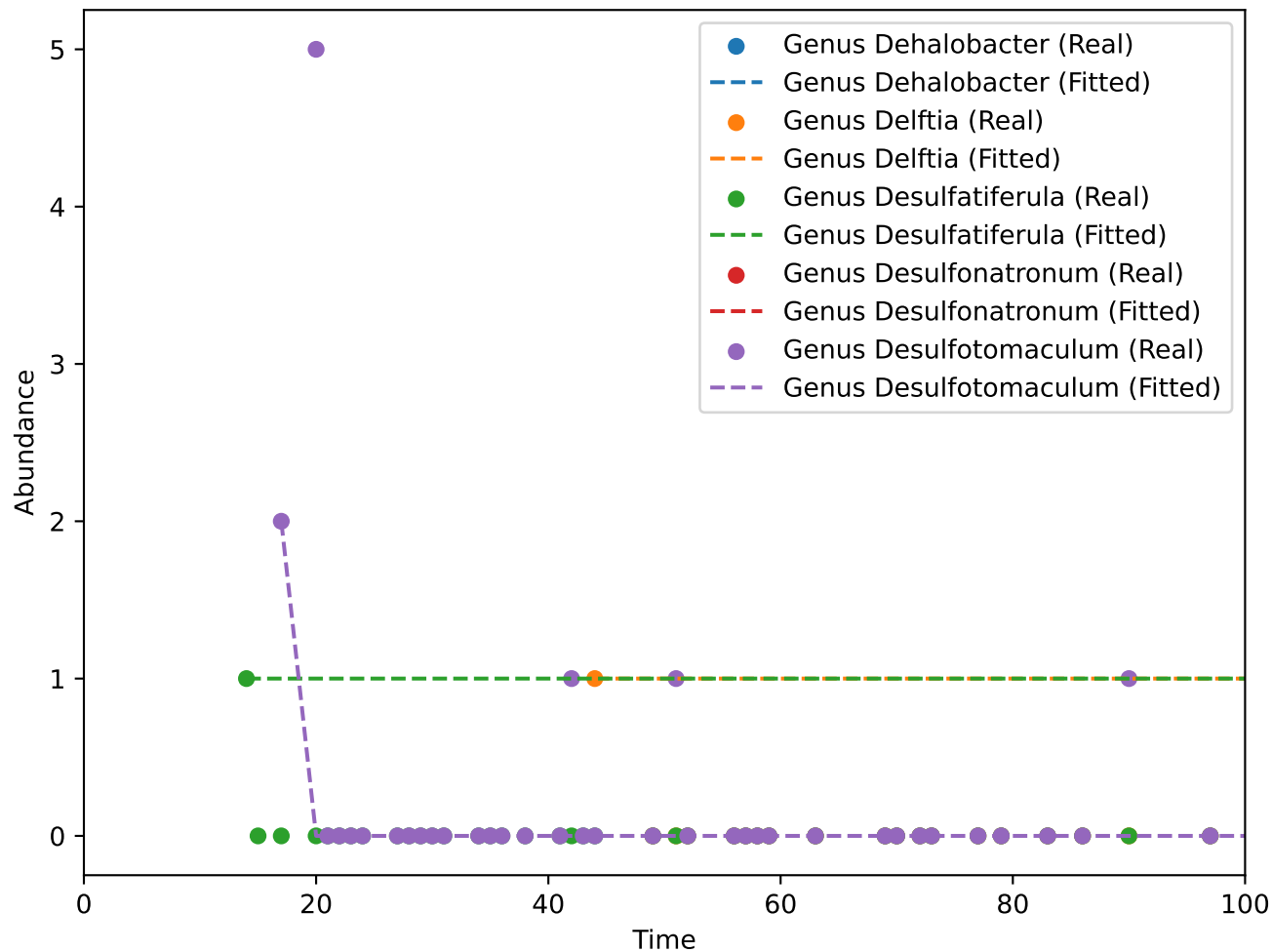
The fitted curves for all genera are nearly horizontal, indicating a constant relative abundance across the range of  $\log_{10}(1 + 1000 \times \text{relative abundance})$ . The real data points for Genus Mahella (green) are clustered at the bottom (Y=0) and top (Y=10). The real data points for Genus Mangrovimonas (red) are clustered at the bottom (Y=0) and top (Y=10). The real data points for Genus Leifsonia (blue) are clustered at the bottom (Y=0) and top (Y=10). The real data points for Genus Leptotrichia (orange) are clustered at the bottom (Y=0) and top (Y=10). The real data points for Genus Geobacillus (purple) are clustered at the bottom (Y=0) and top (Y=10).



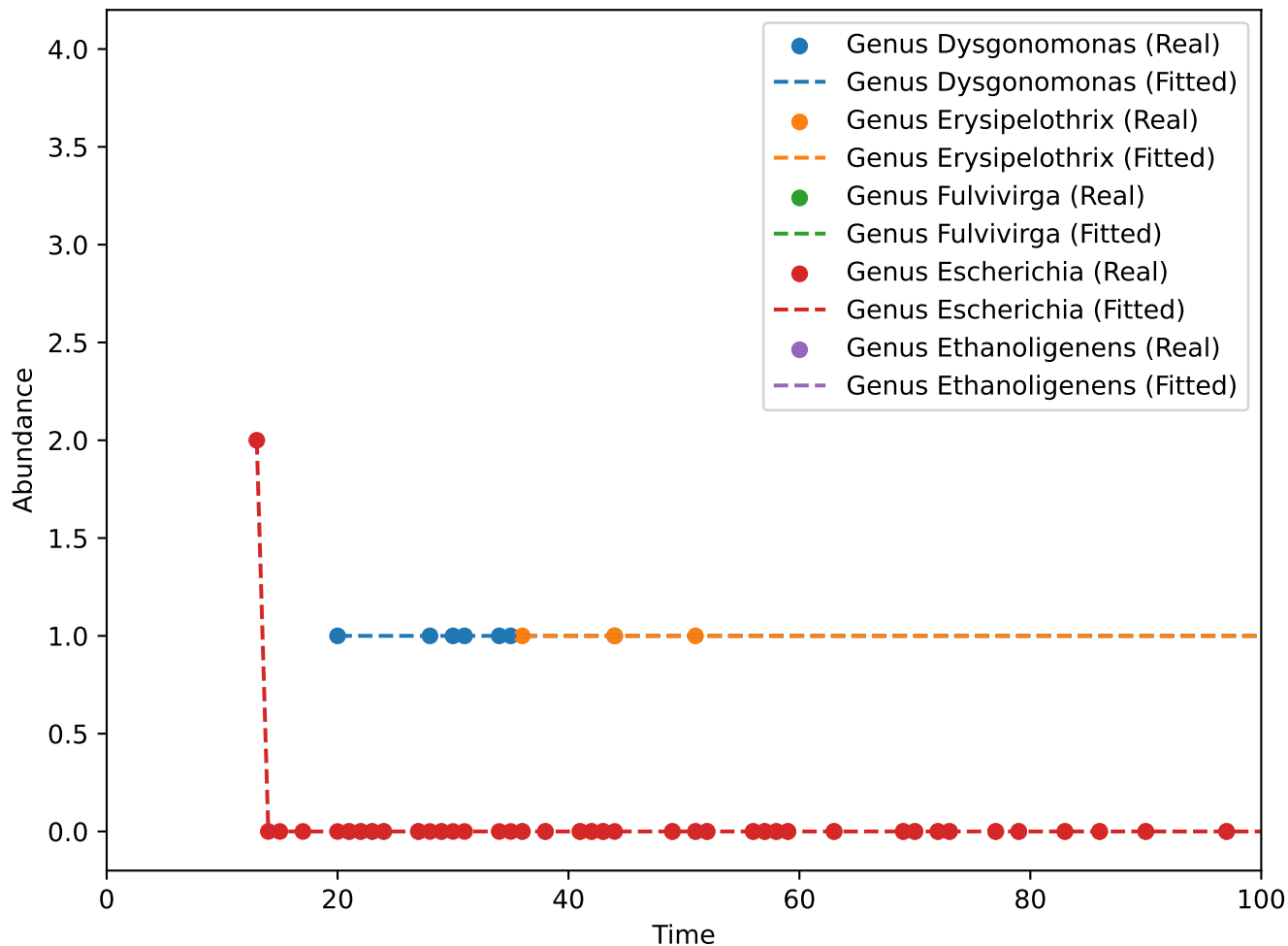
Mouse 7 - Genus Fit



Mouse 7 - Genus Fit



Mouse 7 - Genus Fit



Mouse 7 - Genus Fit

