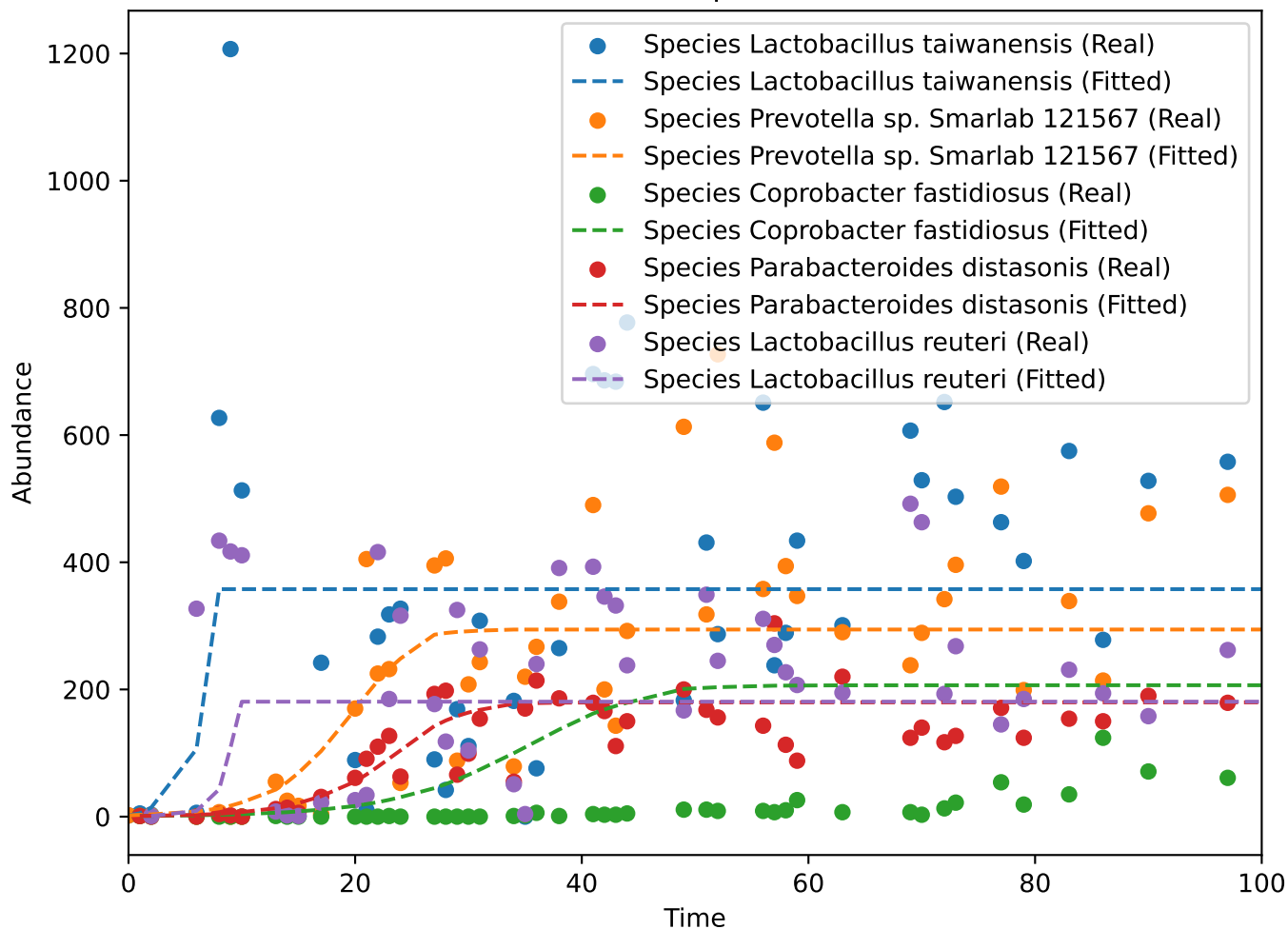
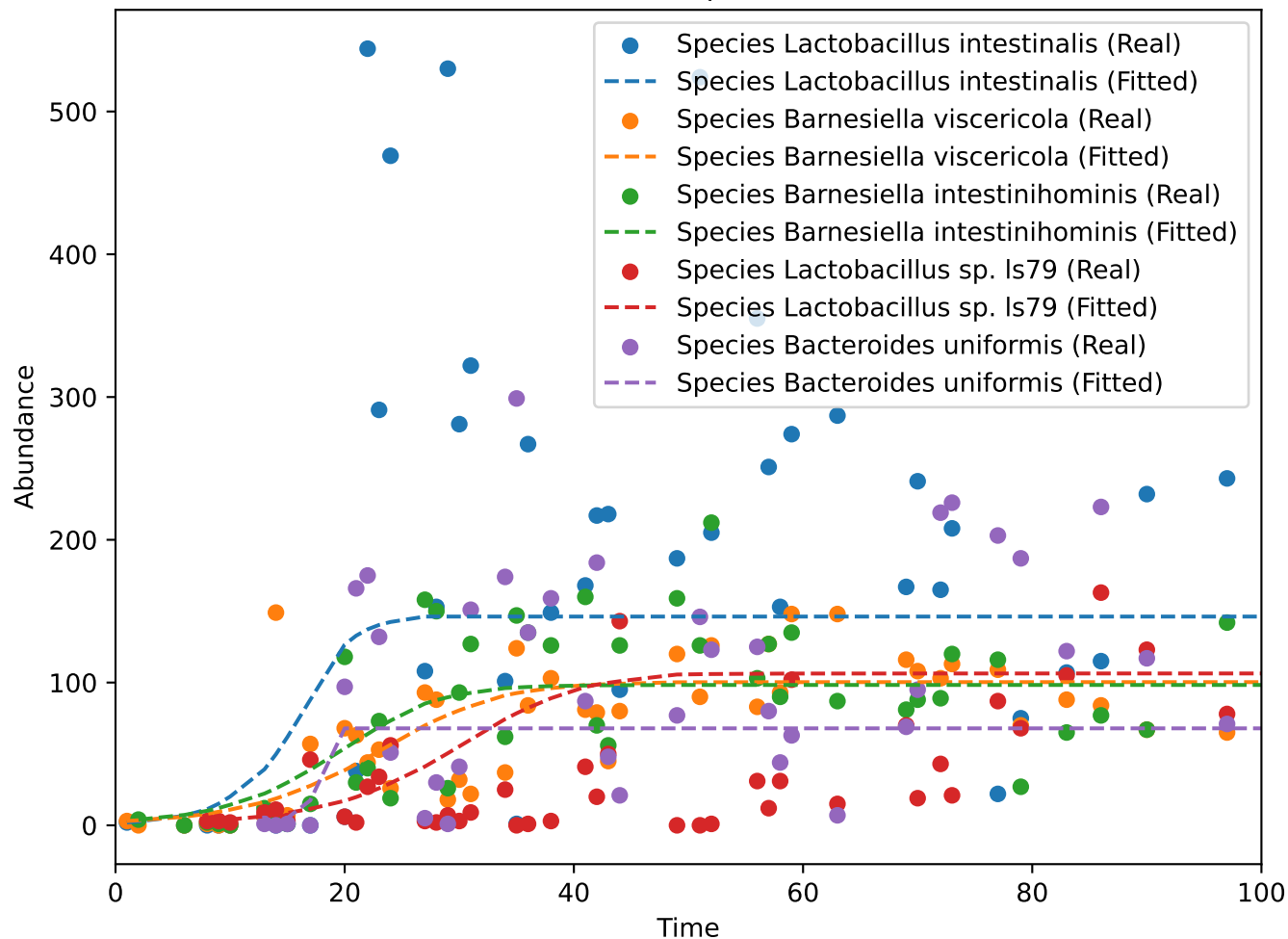


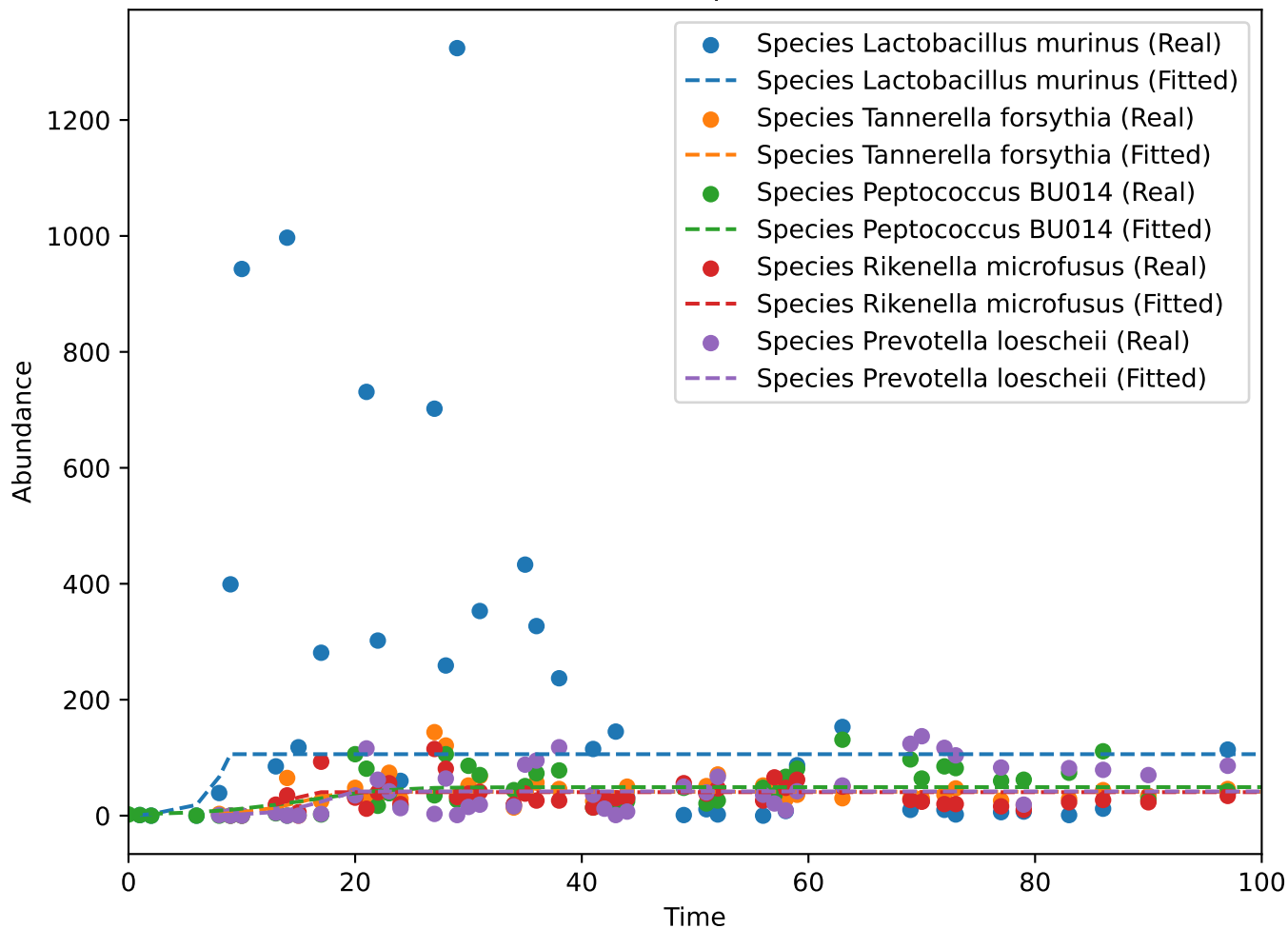
Mouse 8 - Species Fit



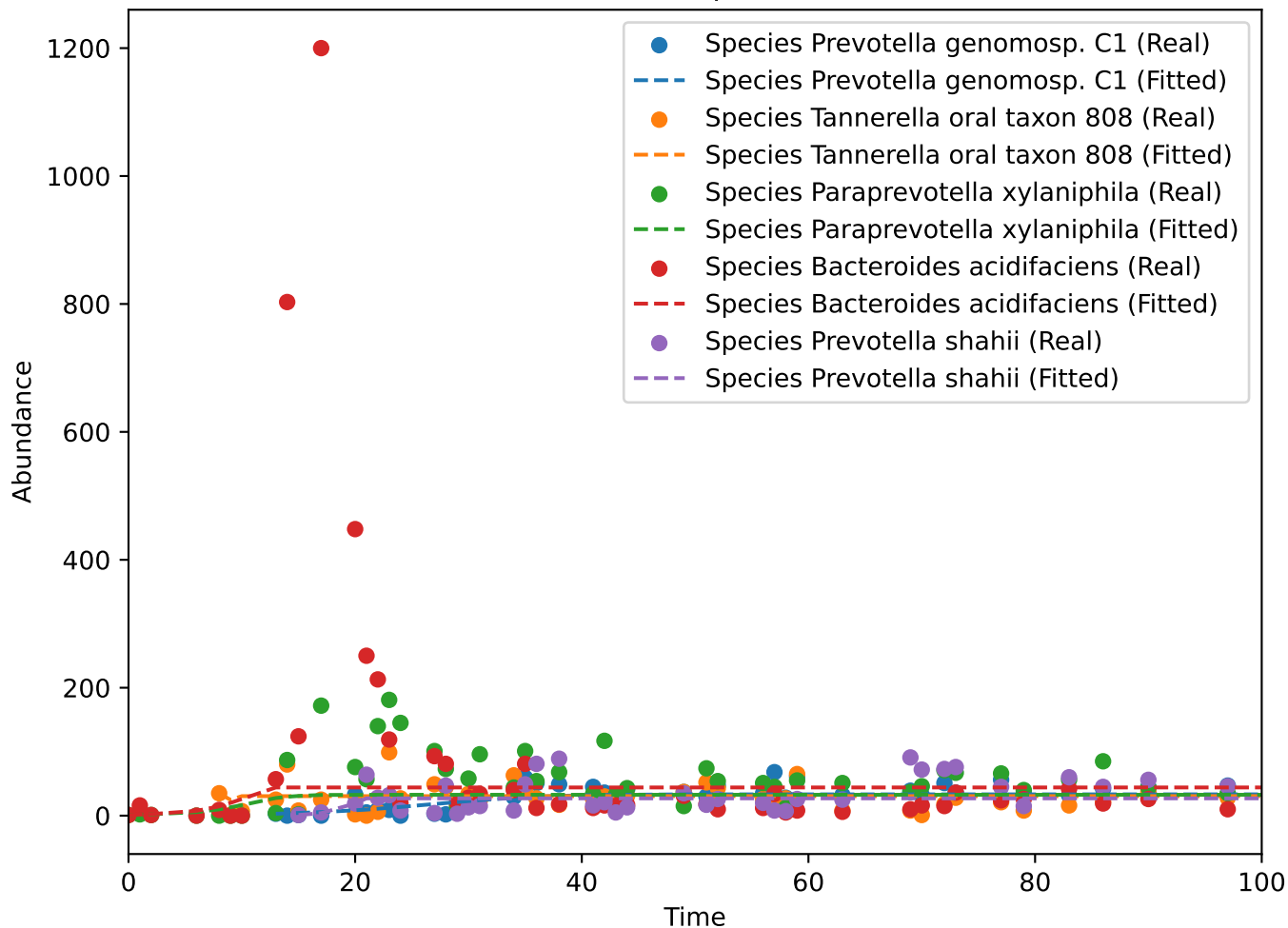
Mouse 8 - Species Fit



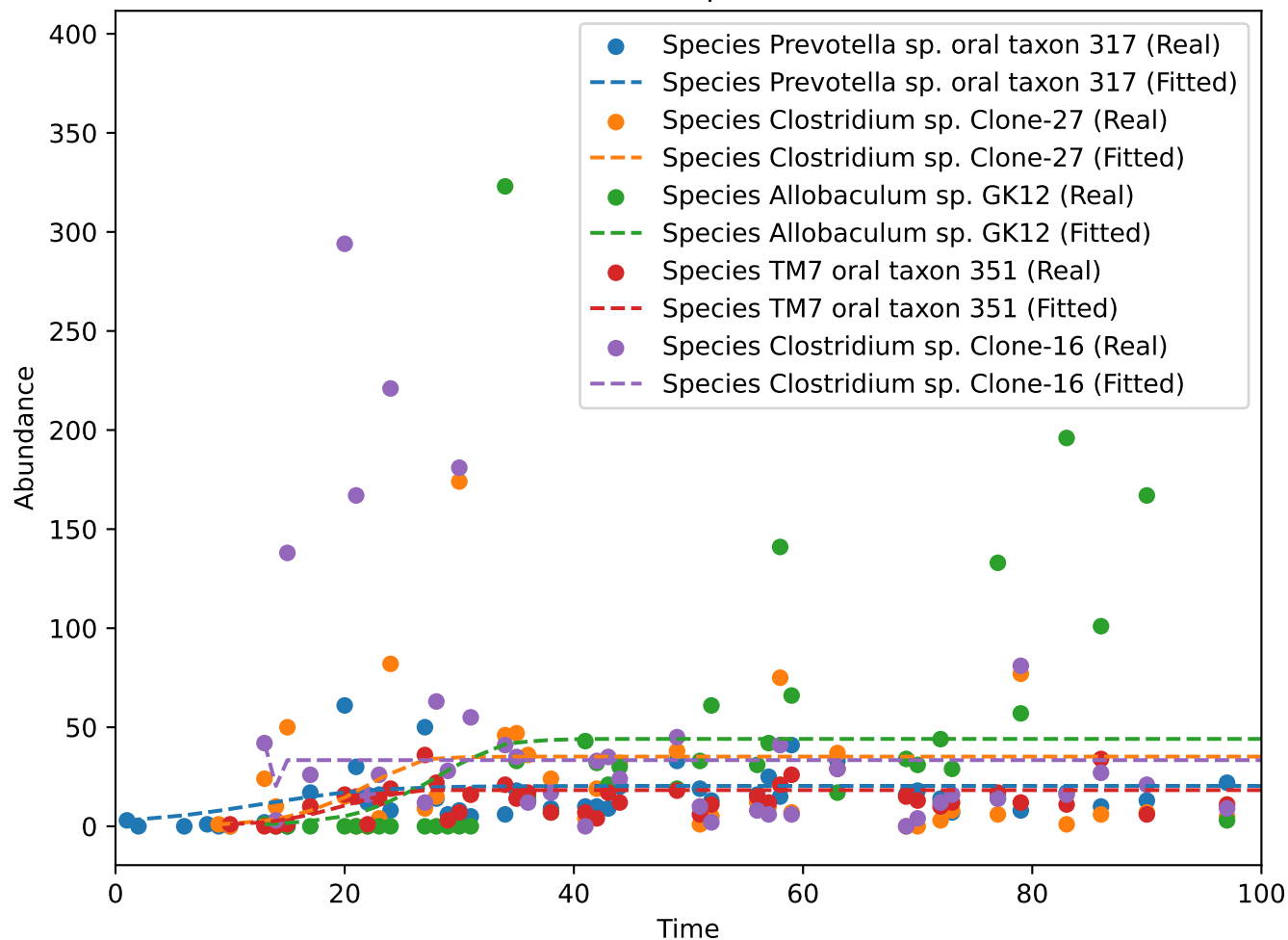
Mouse 8 - Species Fit



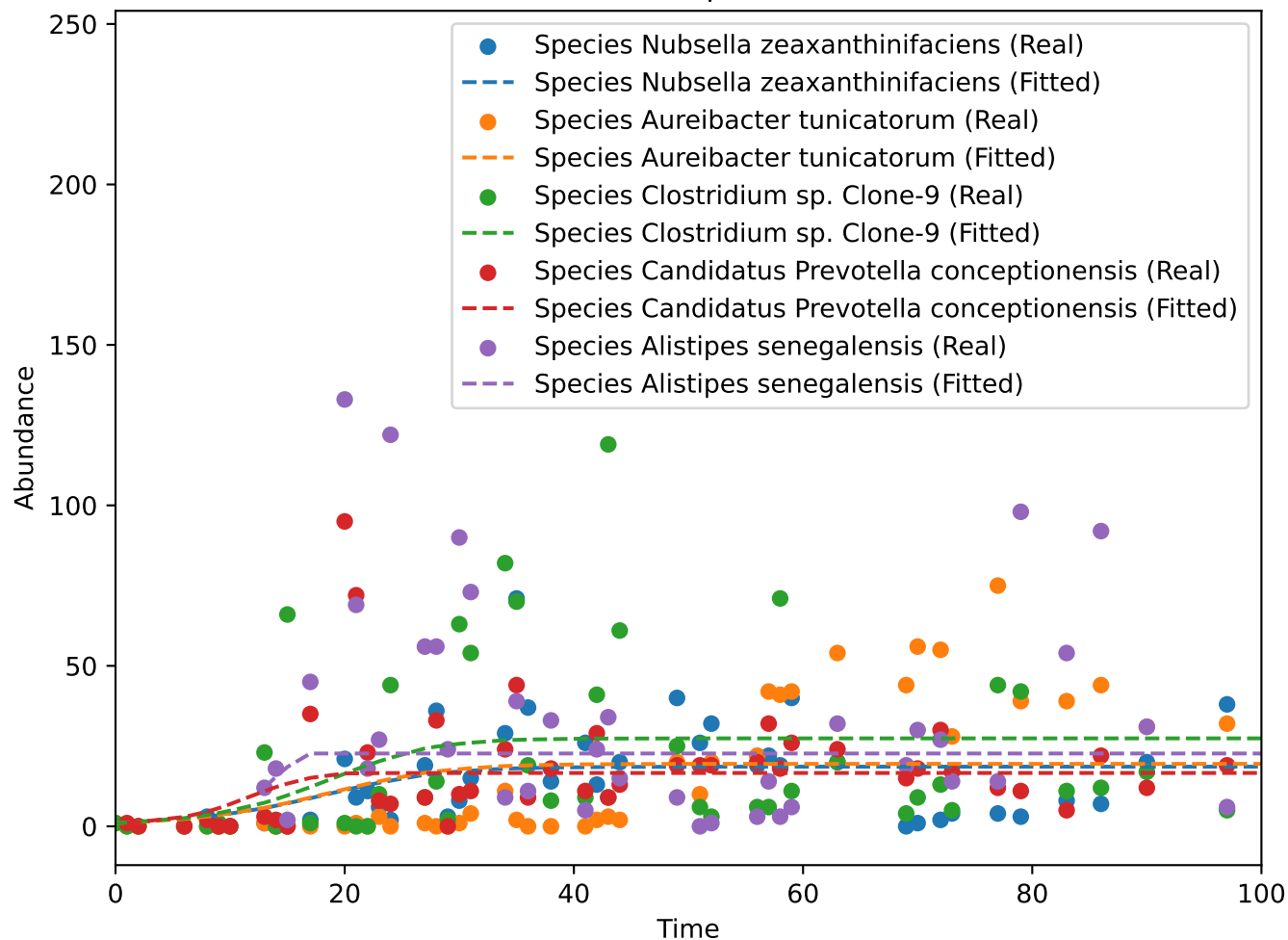
Mouse 8 - Species Fit



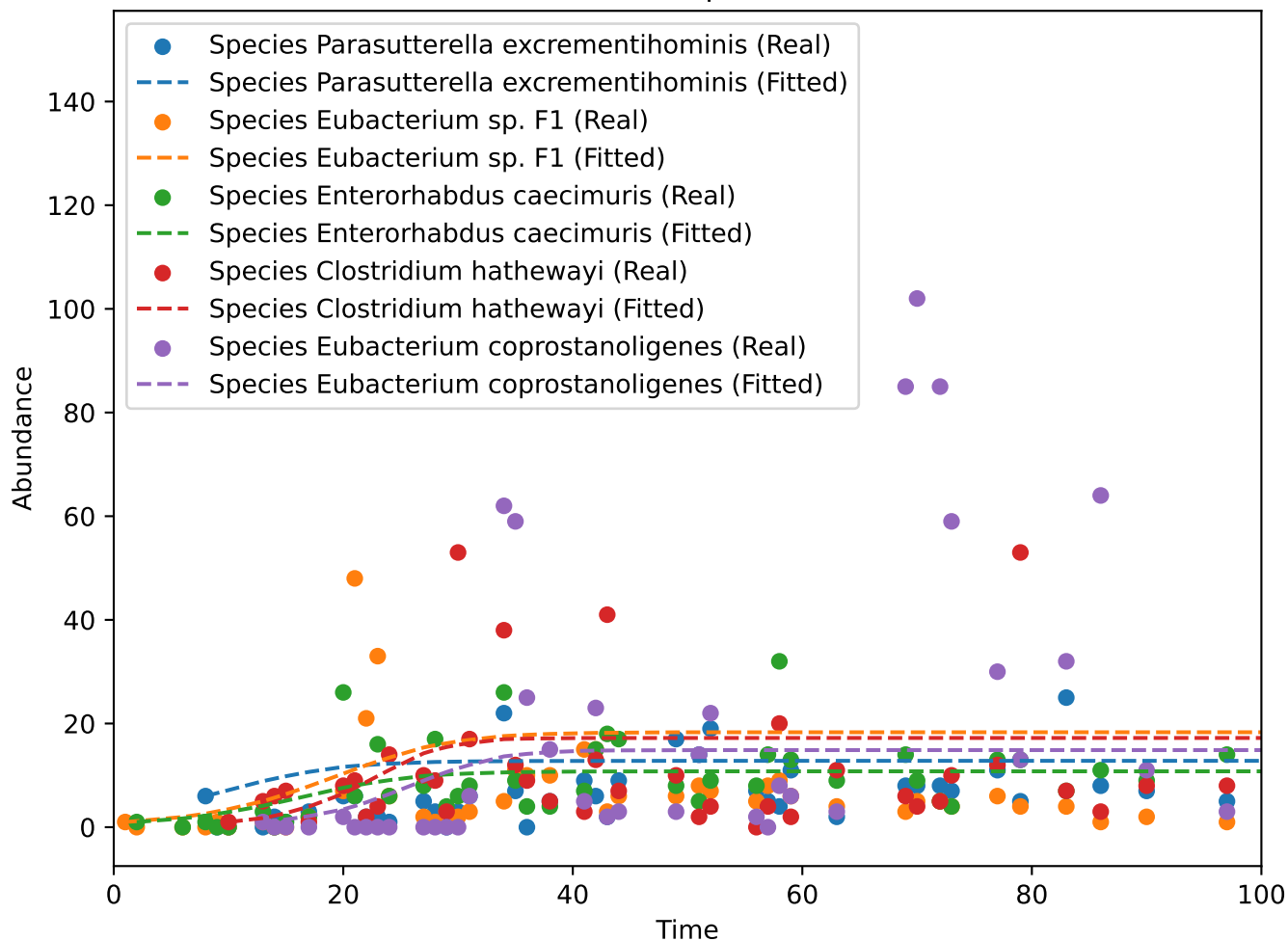
Mouse 8 - Species Fit



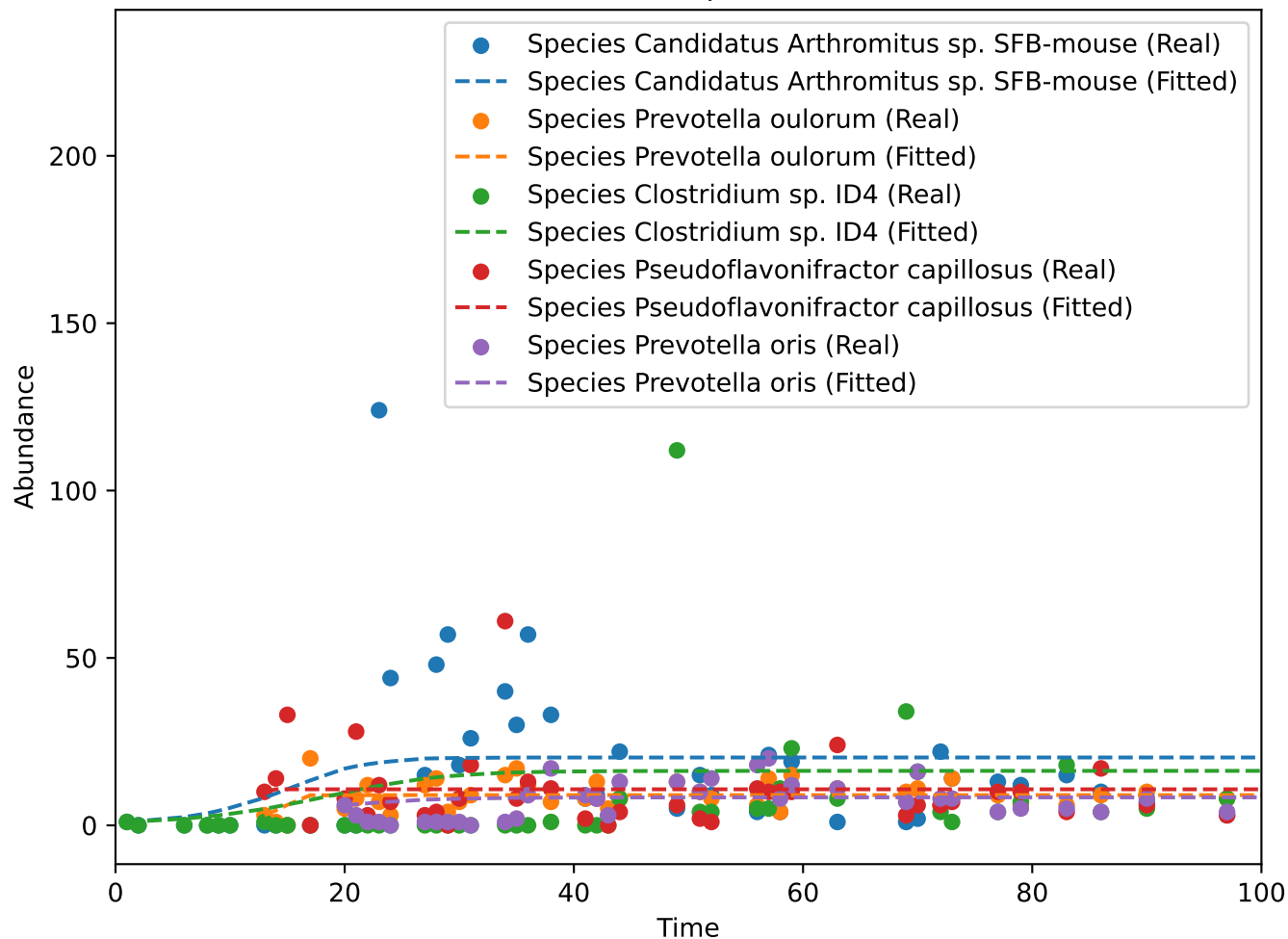
Mouse 8 - Species Fit



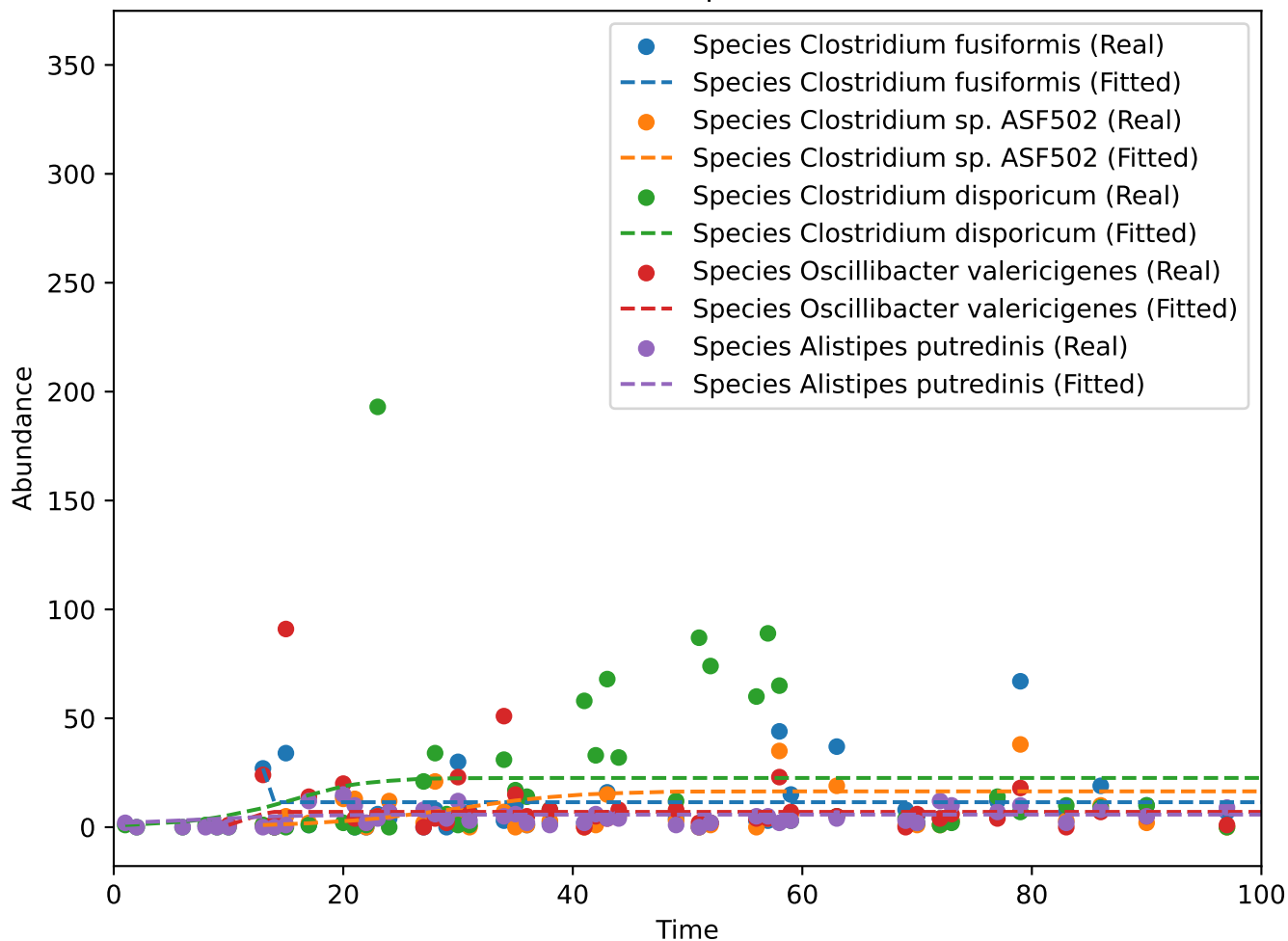
Mouse 8 - Species Fit



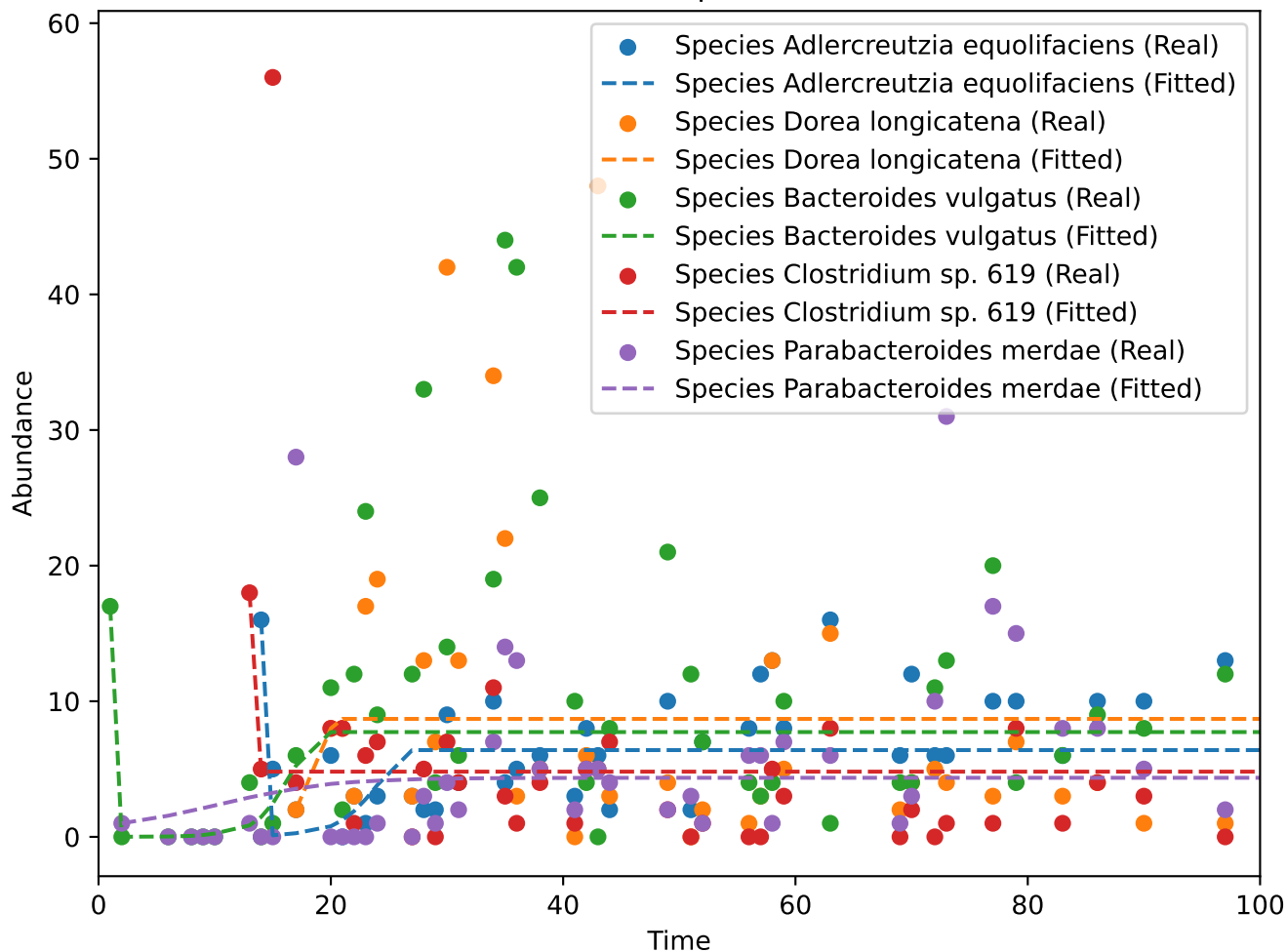
Mouse 8 - Species Fit



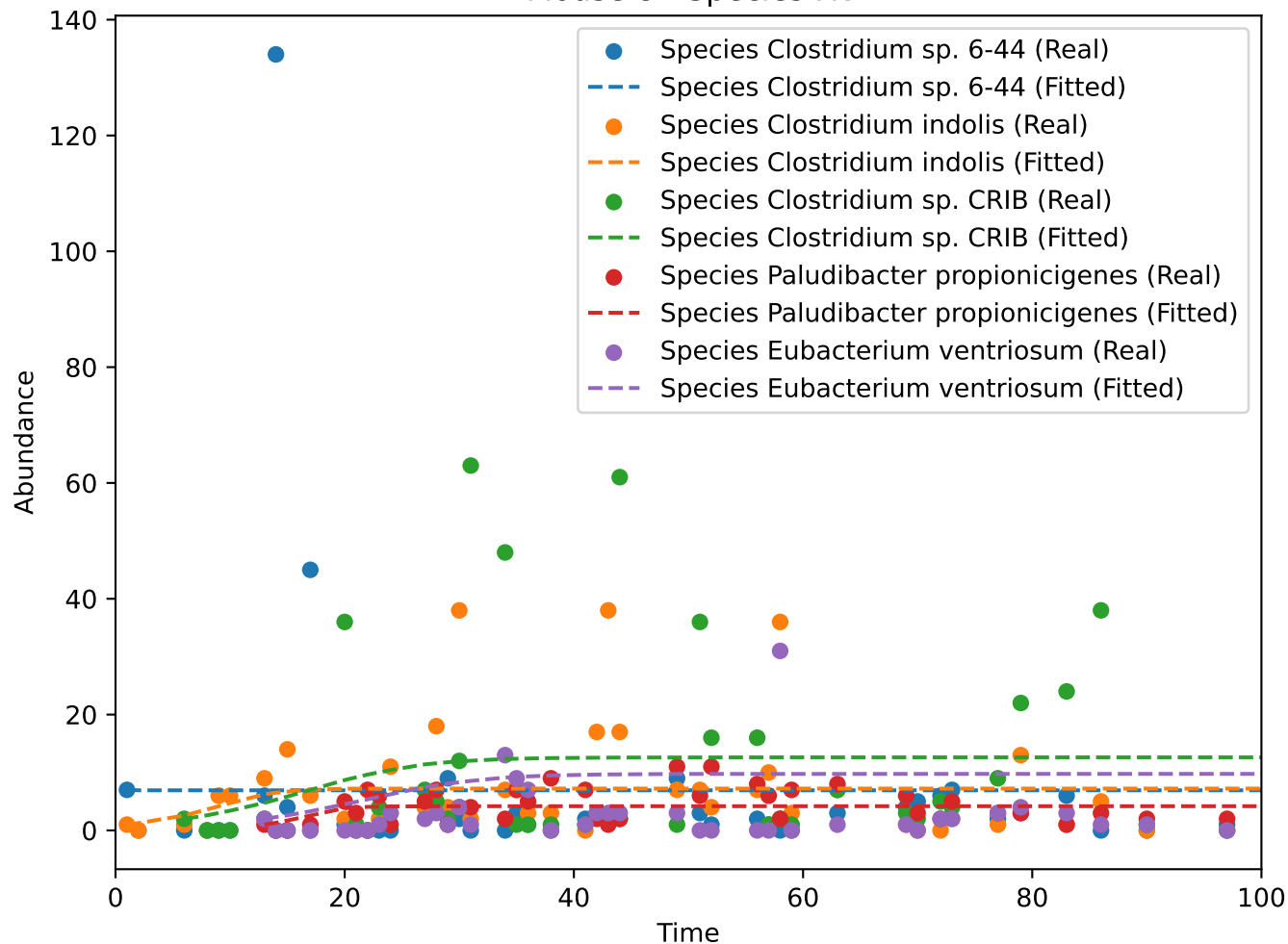
Mouse 8 - Species Fit



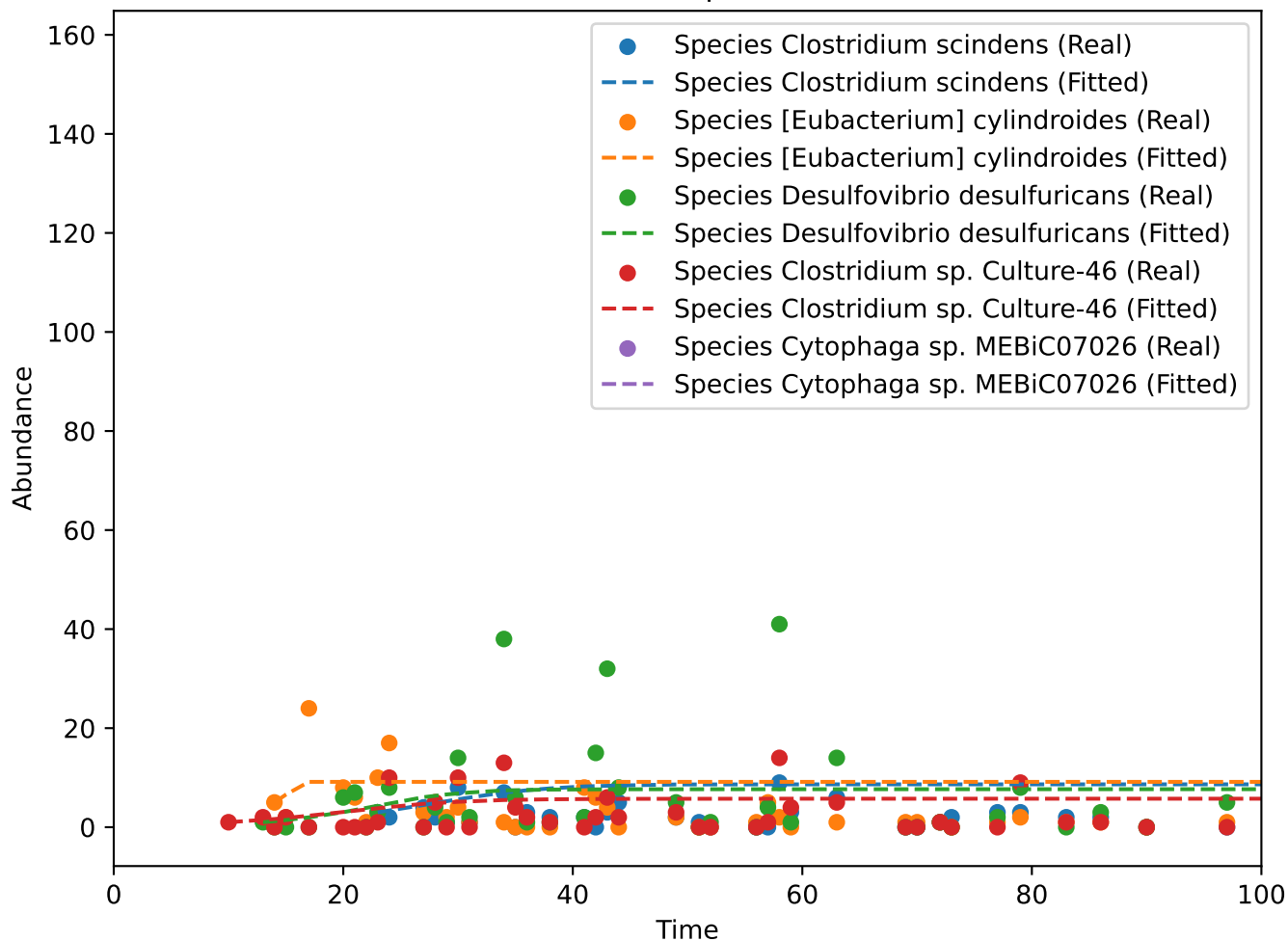
Mouse 8 - Species Fit



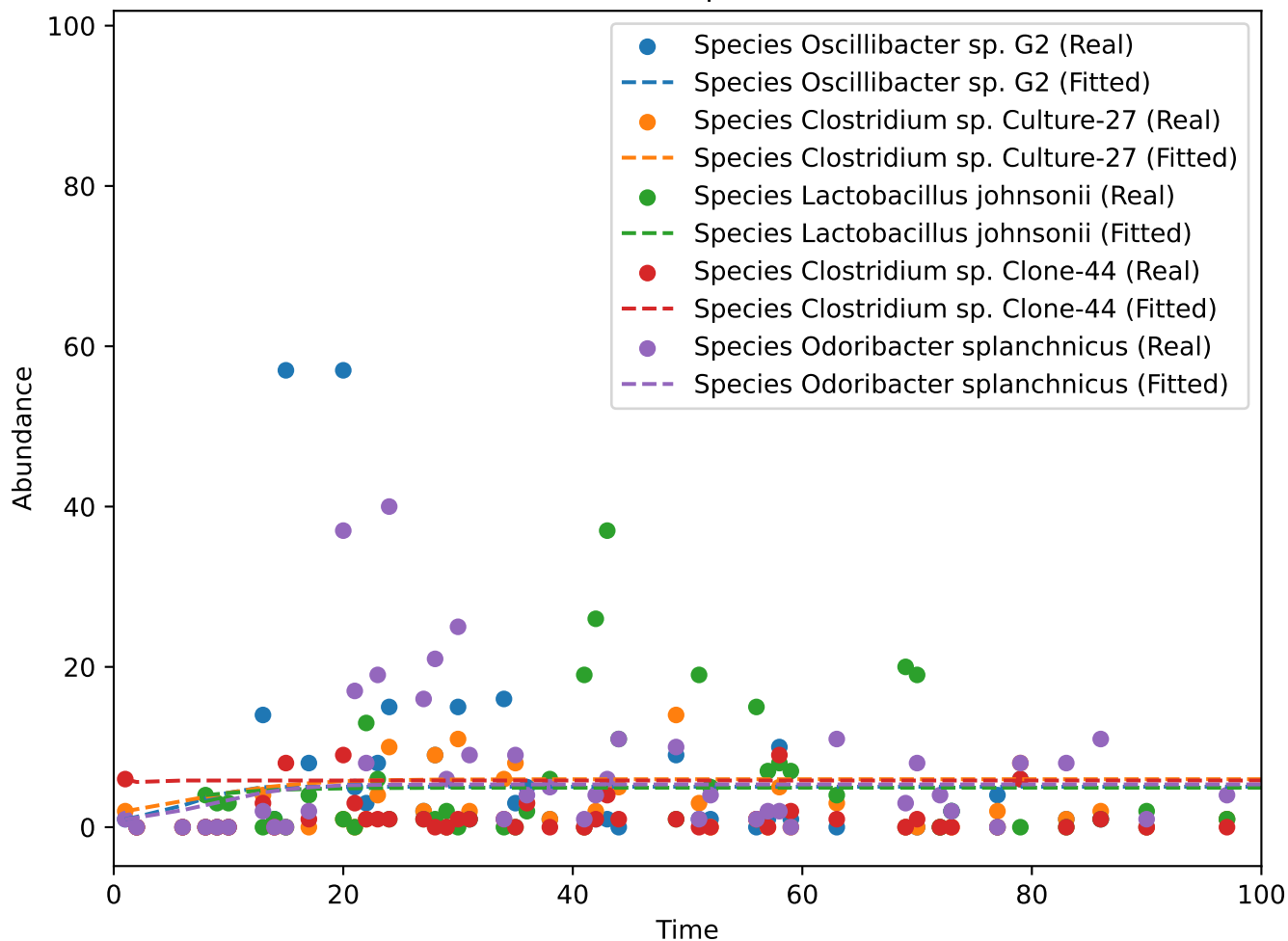
Mouse 8 - Species Fit



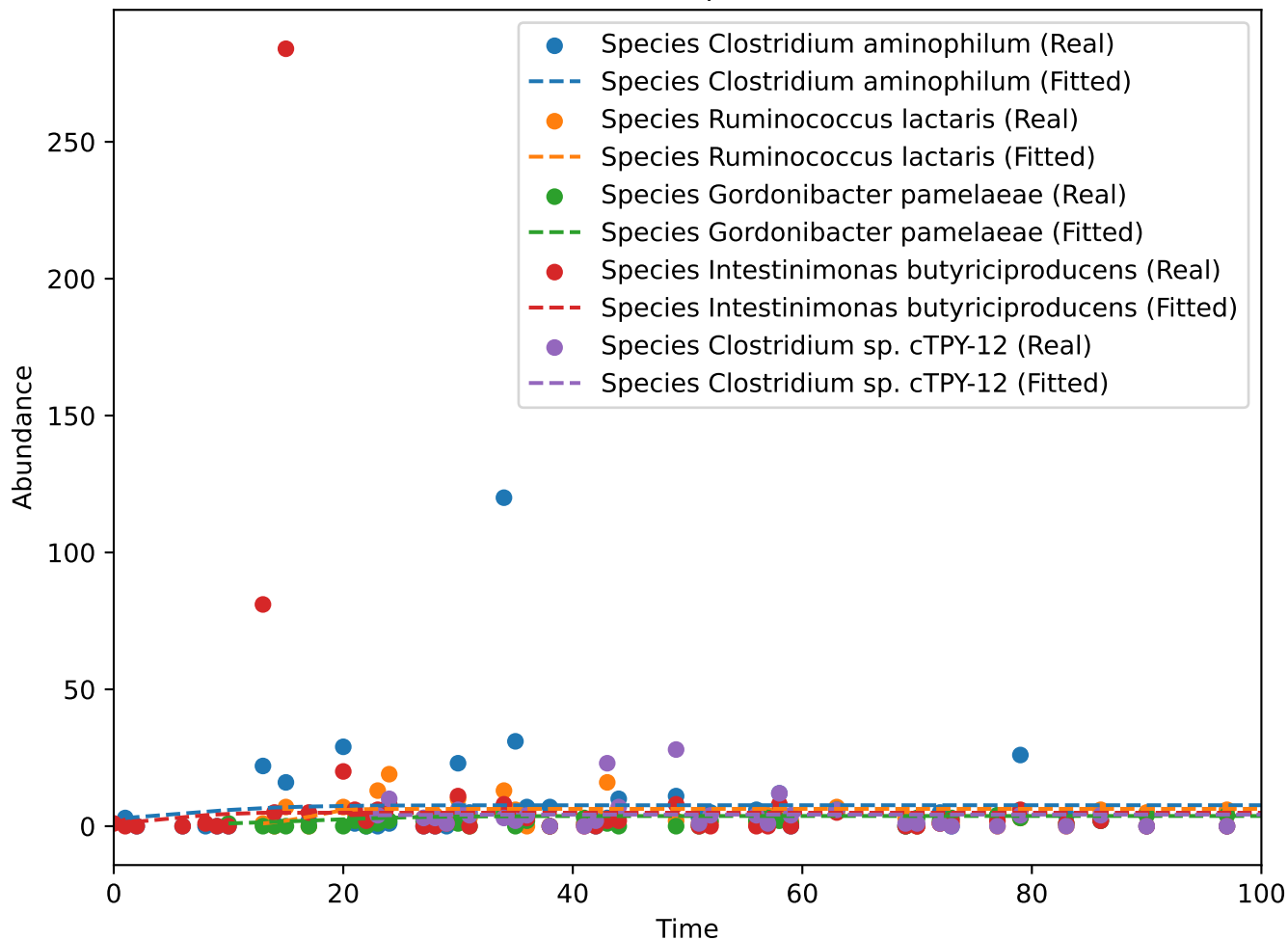
Mouse 8 - Species Fit



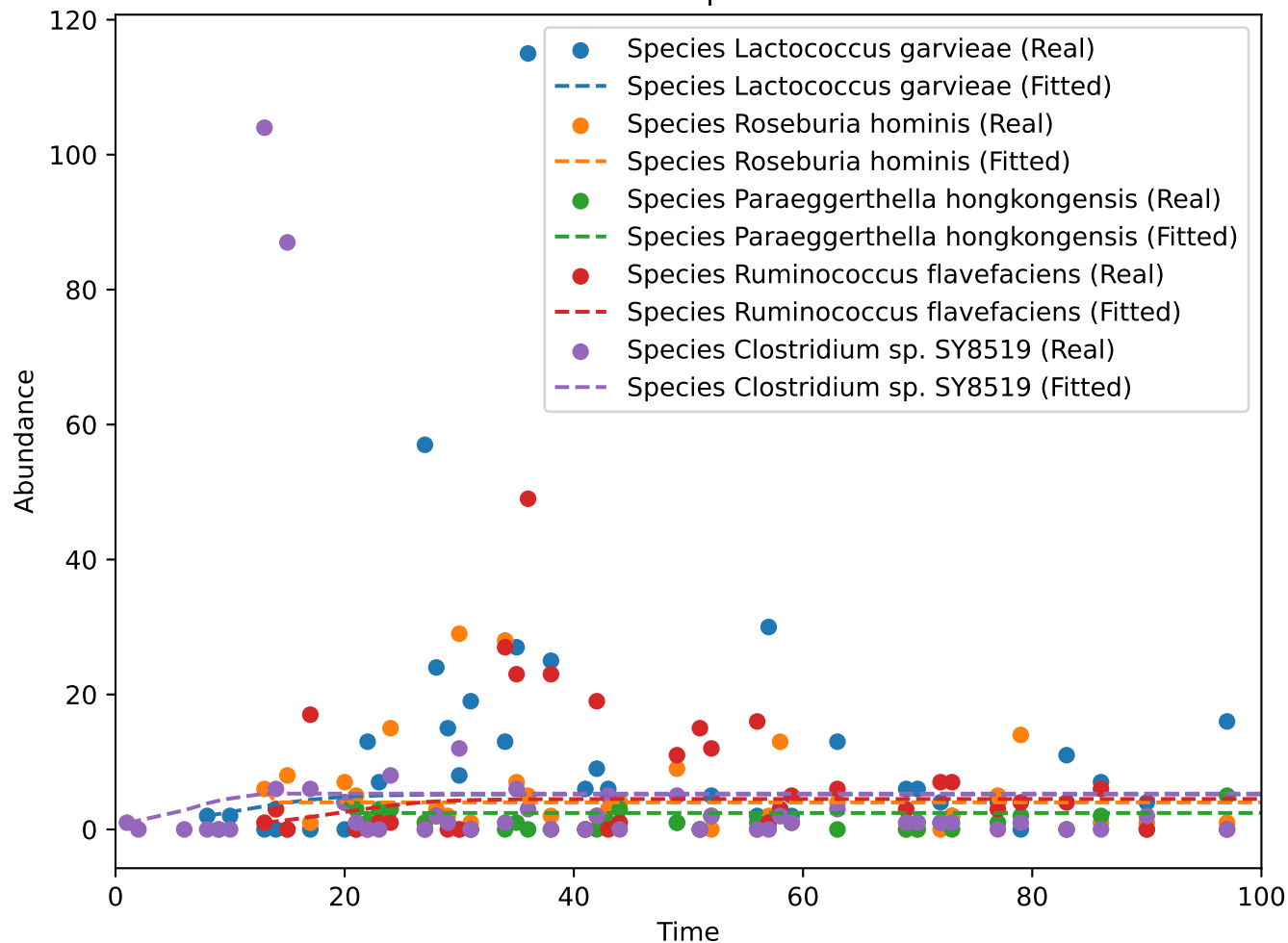
Mouse 8 - Species Fit



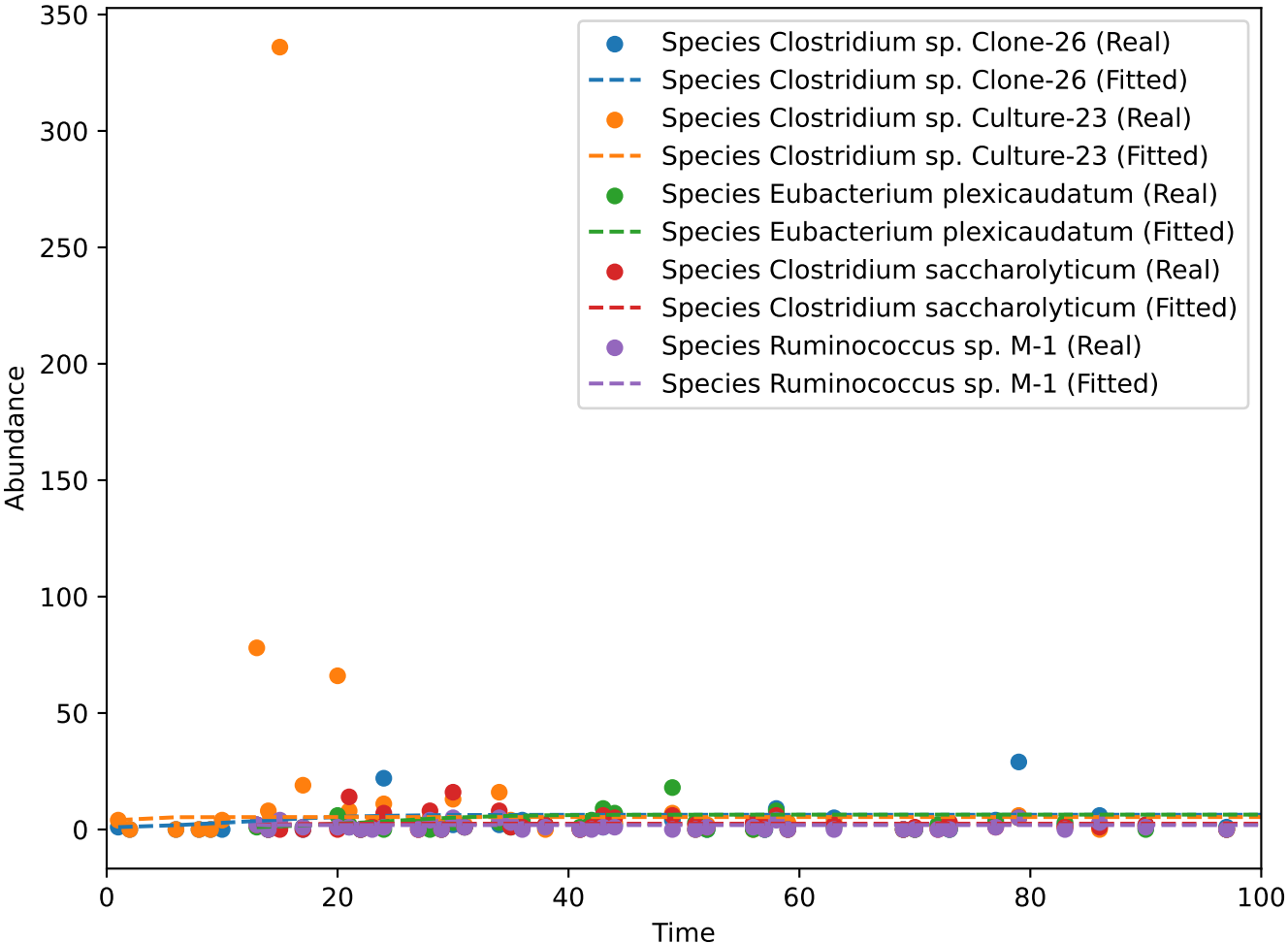
Mouse 8 - Species Fit



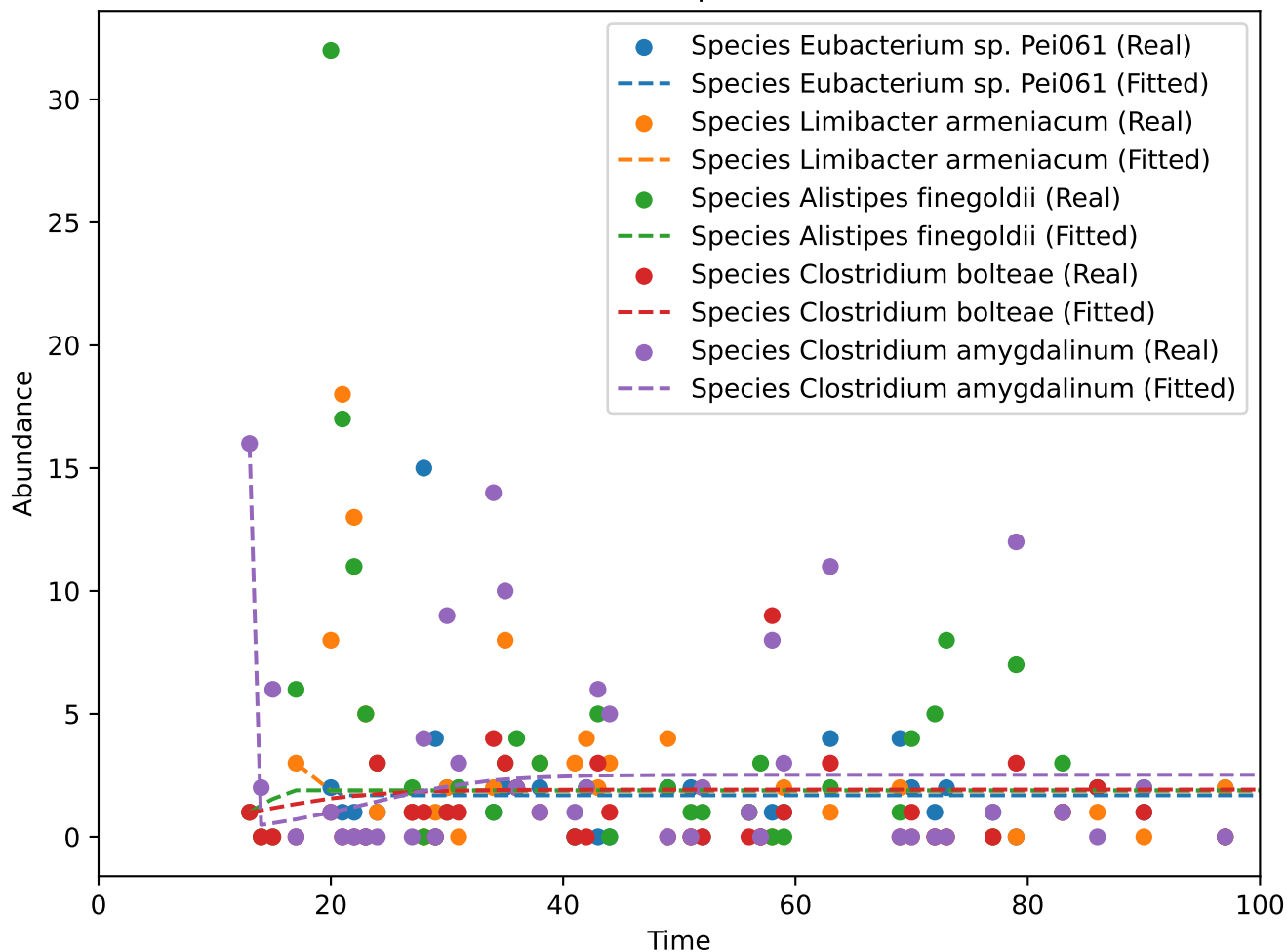
Mouse 8 - Species Fit



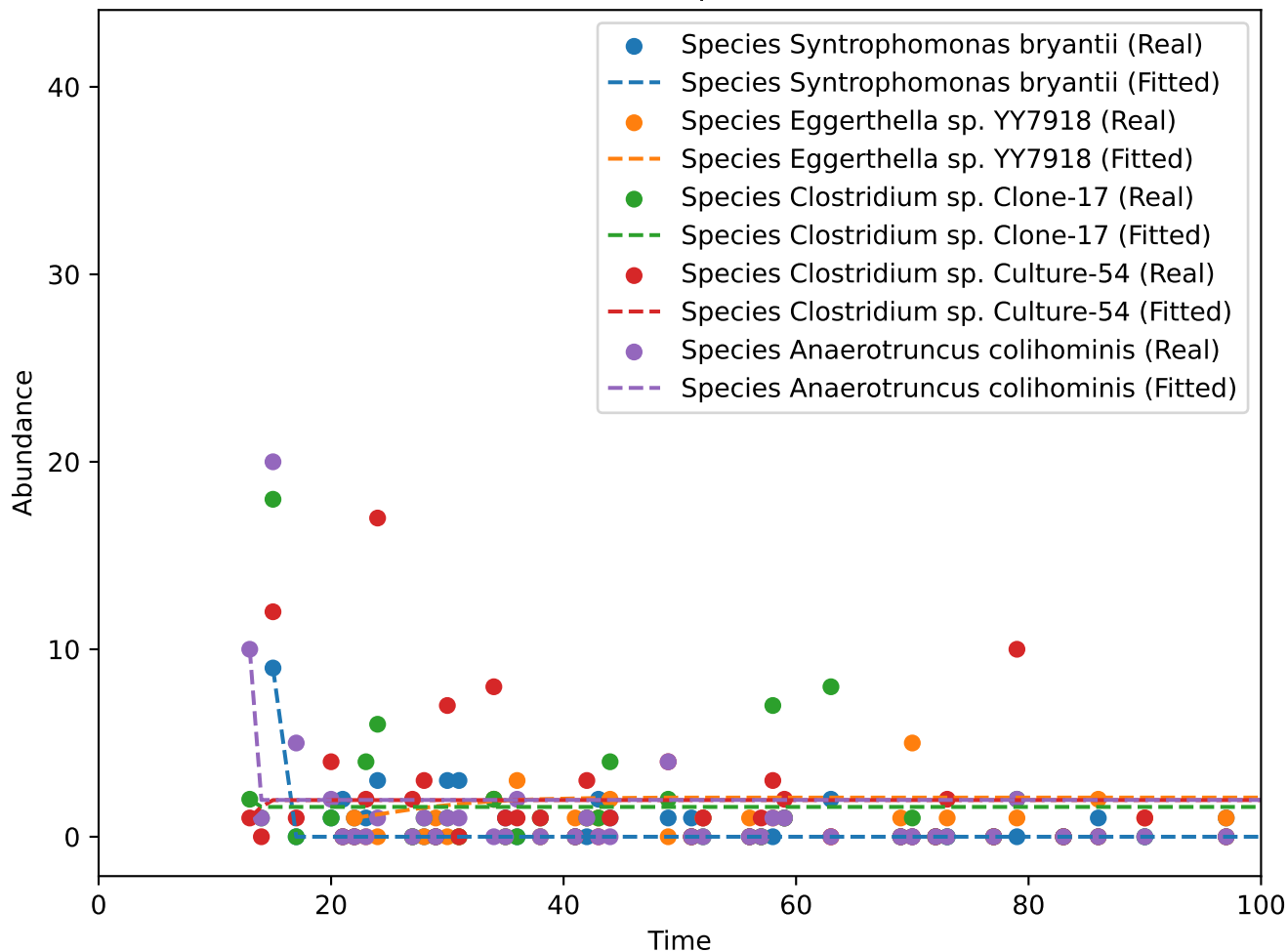
Mouse 8 - Species Fit



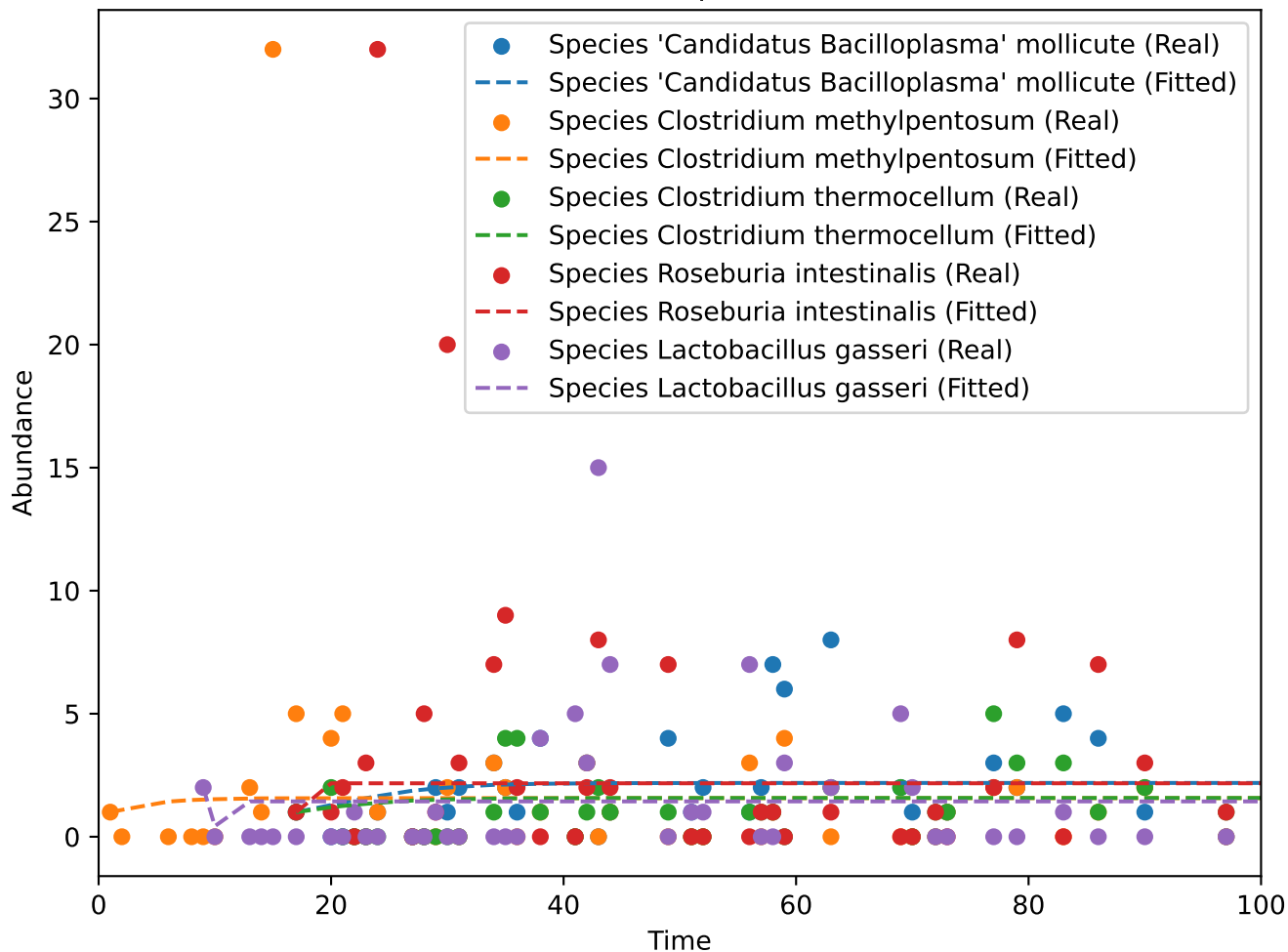
Mouse 8 - Species Fit



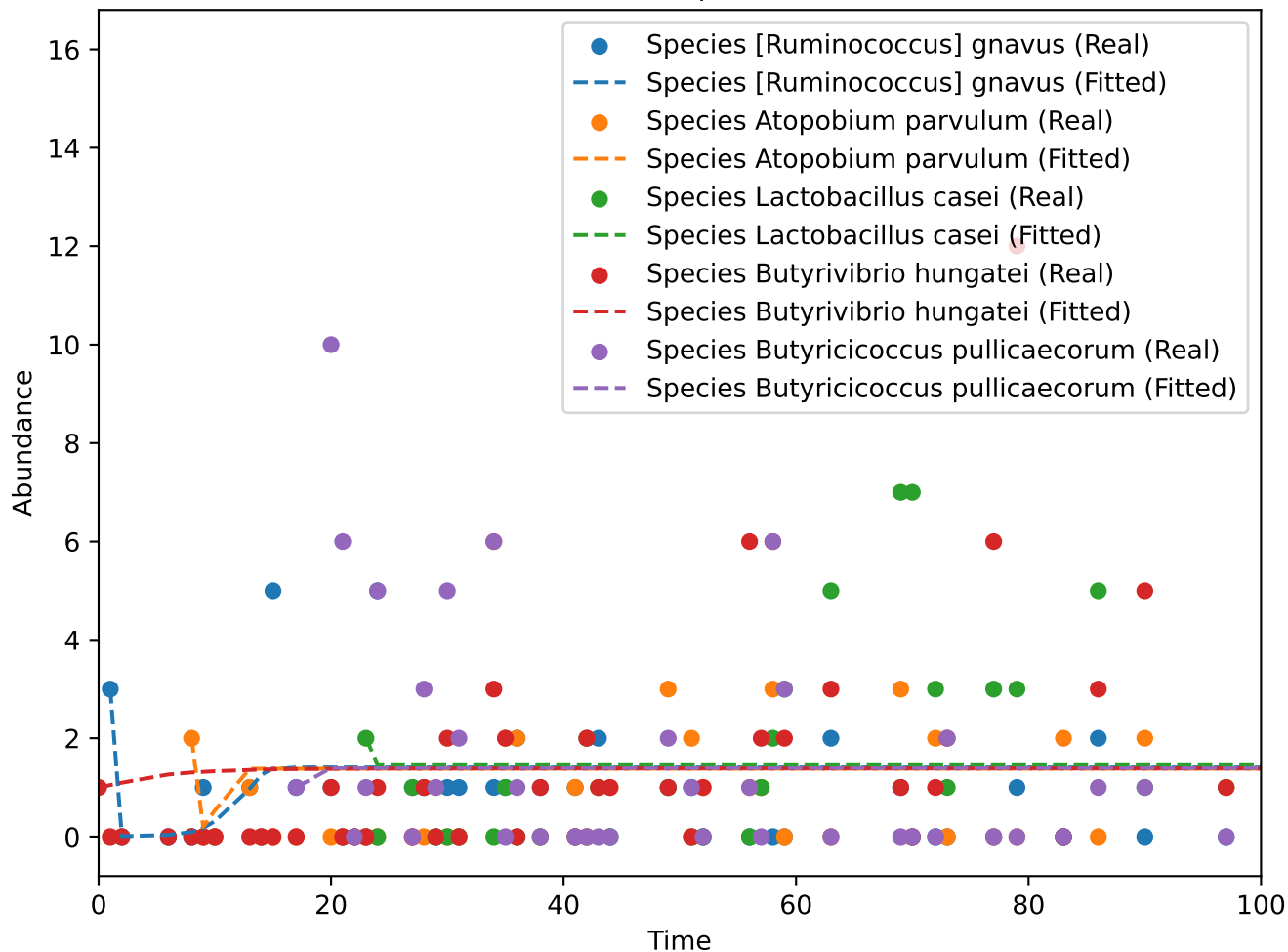
Mouse 8 - Species Fit



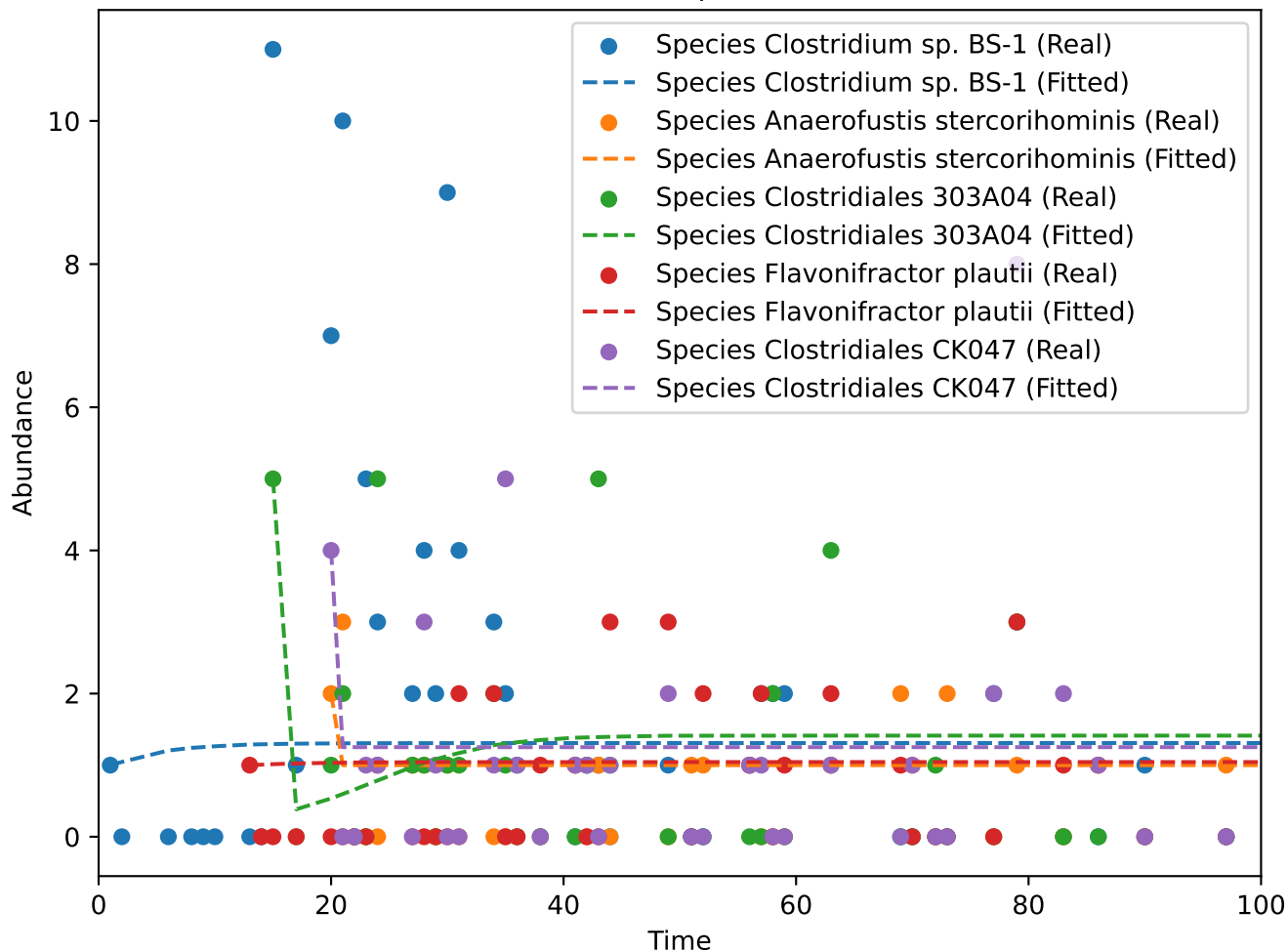
Mouse 8 - Species Fit



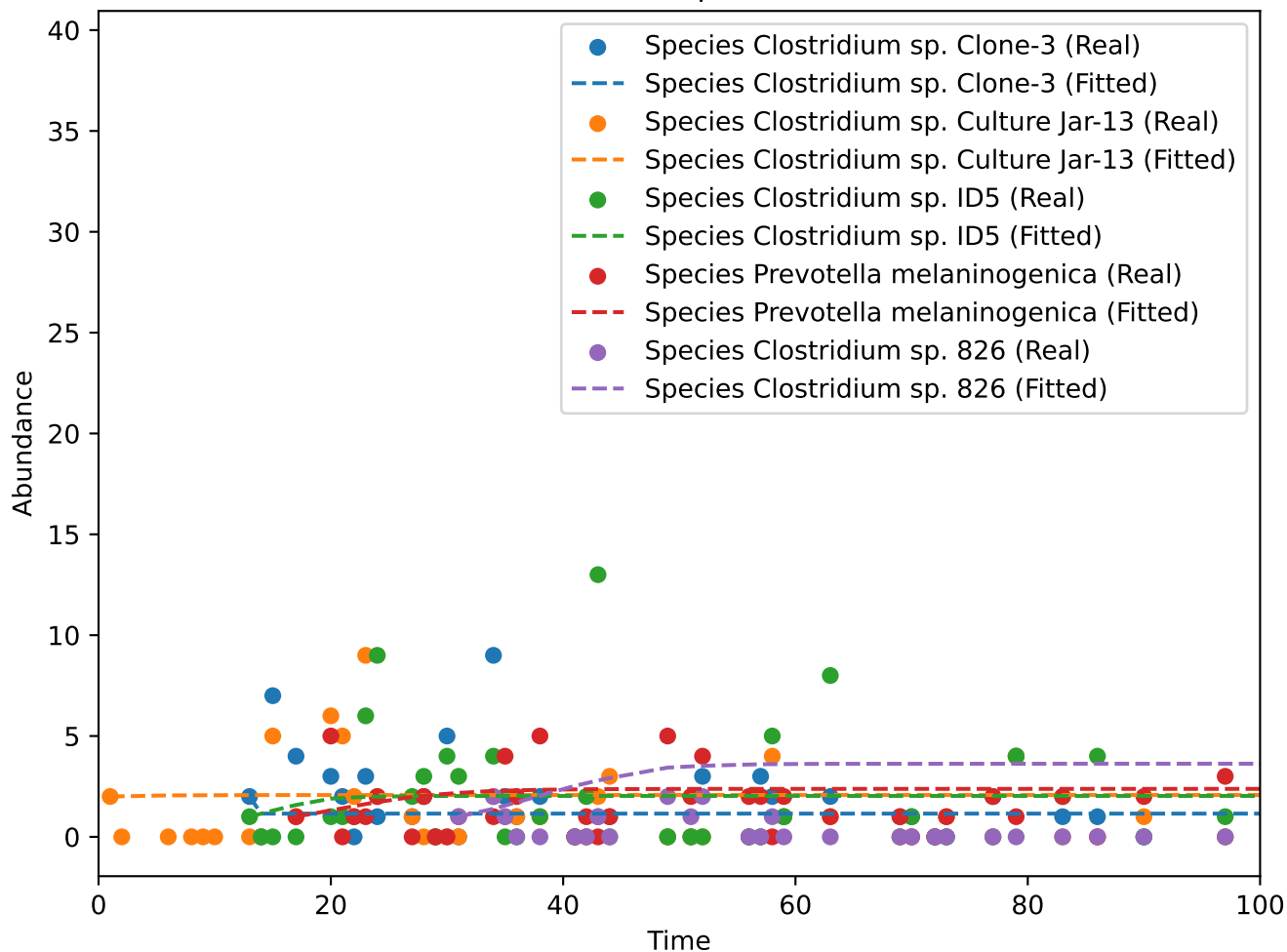
Mouse 8 - Species Fit



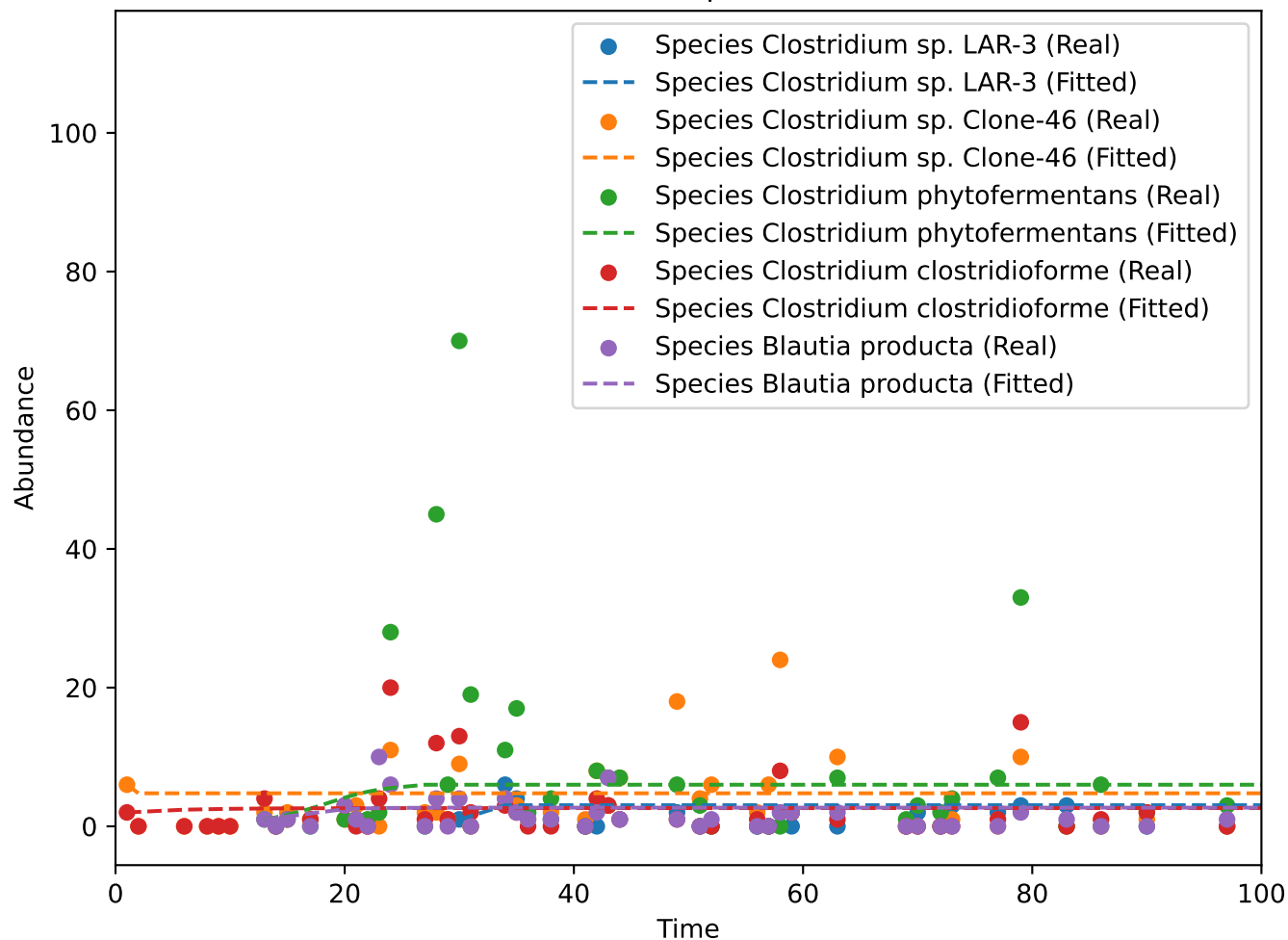
Mouse 8 - Species Fit



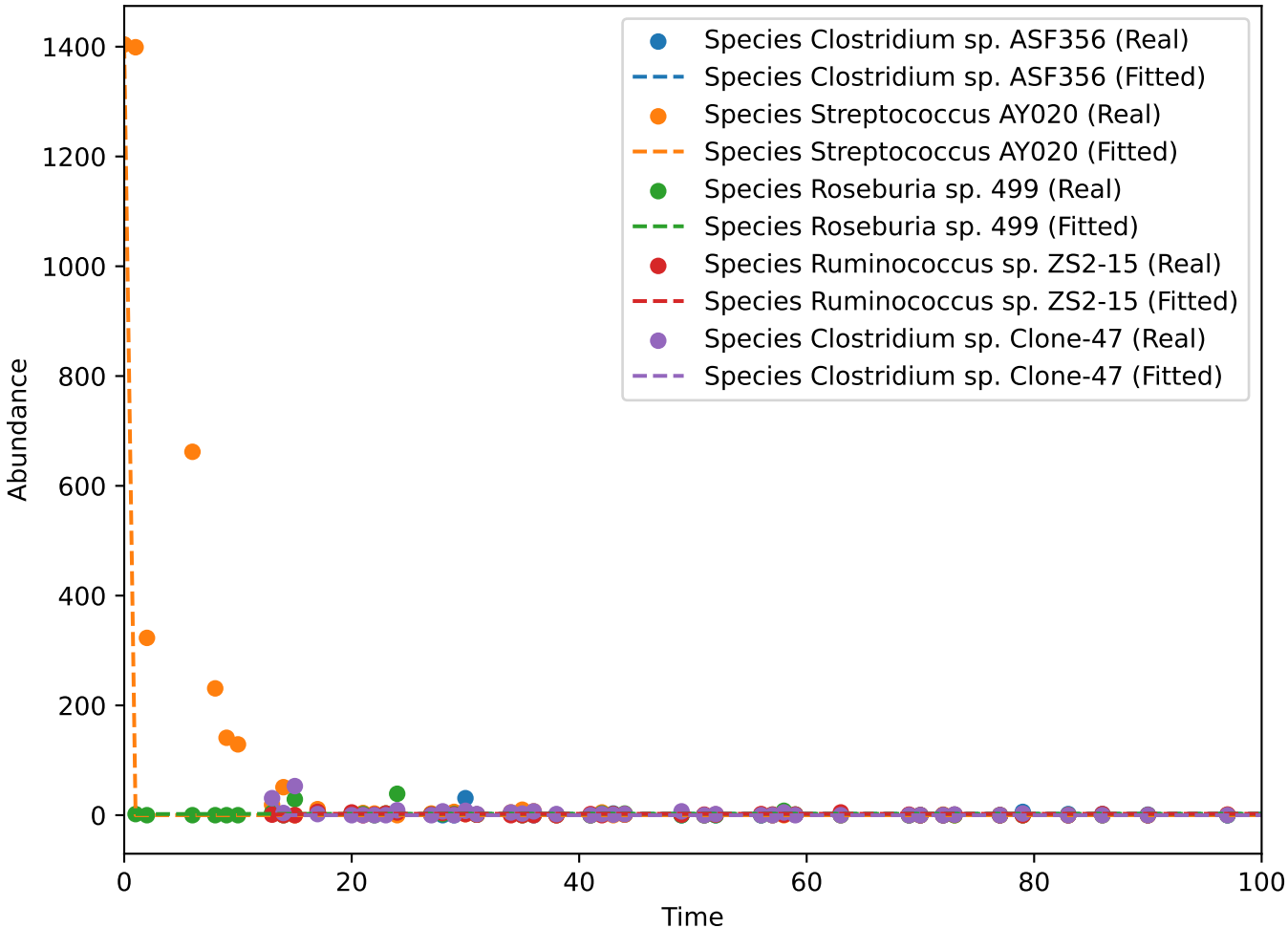
Mouse 8 - Species Fit



Mouse 8 - Species Fit



Mouse 8 - Species Fit



Species [Eubacterium] biforme (Real)

Species [Eubacterium] biforme (Fitted)

Species Coprobacillus sp. 8_2_54BFAA (Real)

Species Coprobacillus sp. 8_2_54BFAA (Fitted)

Species Turicibacter sp. LA62 (Real)

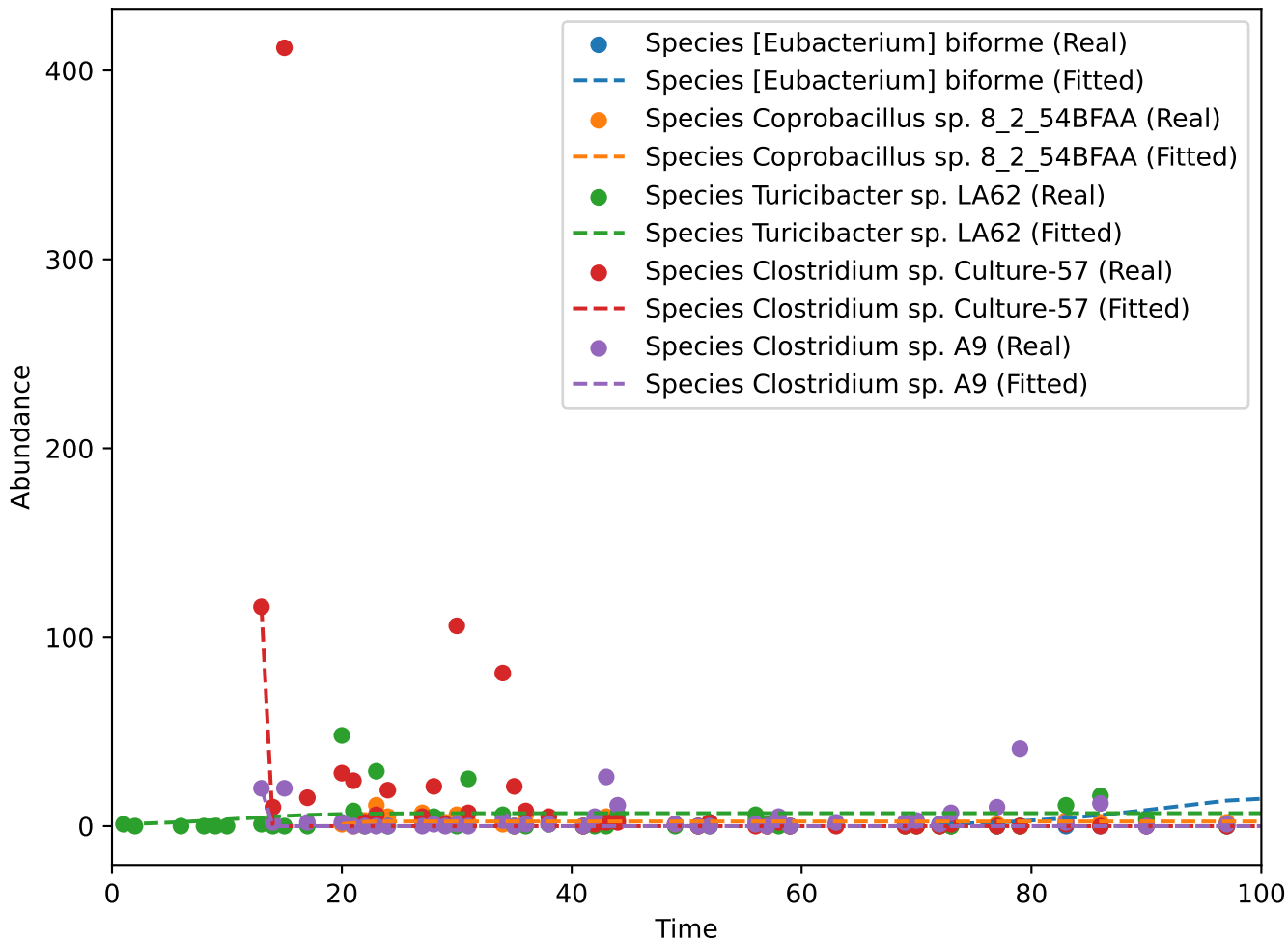
Species Turicibacter sp. LA62 (Fitted)

Species Clostridium sp. Culture-57 (Real)

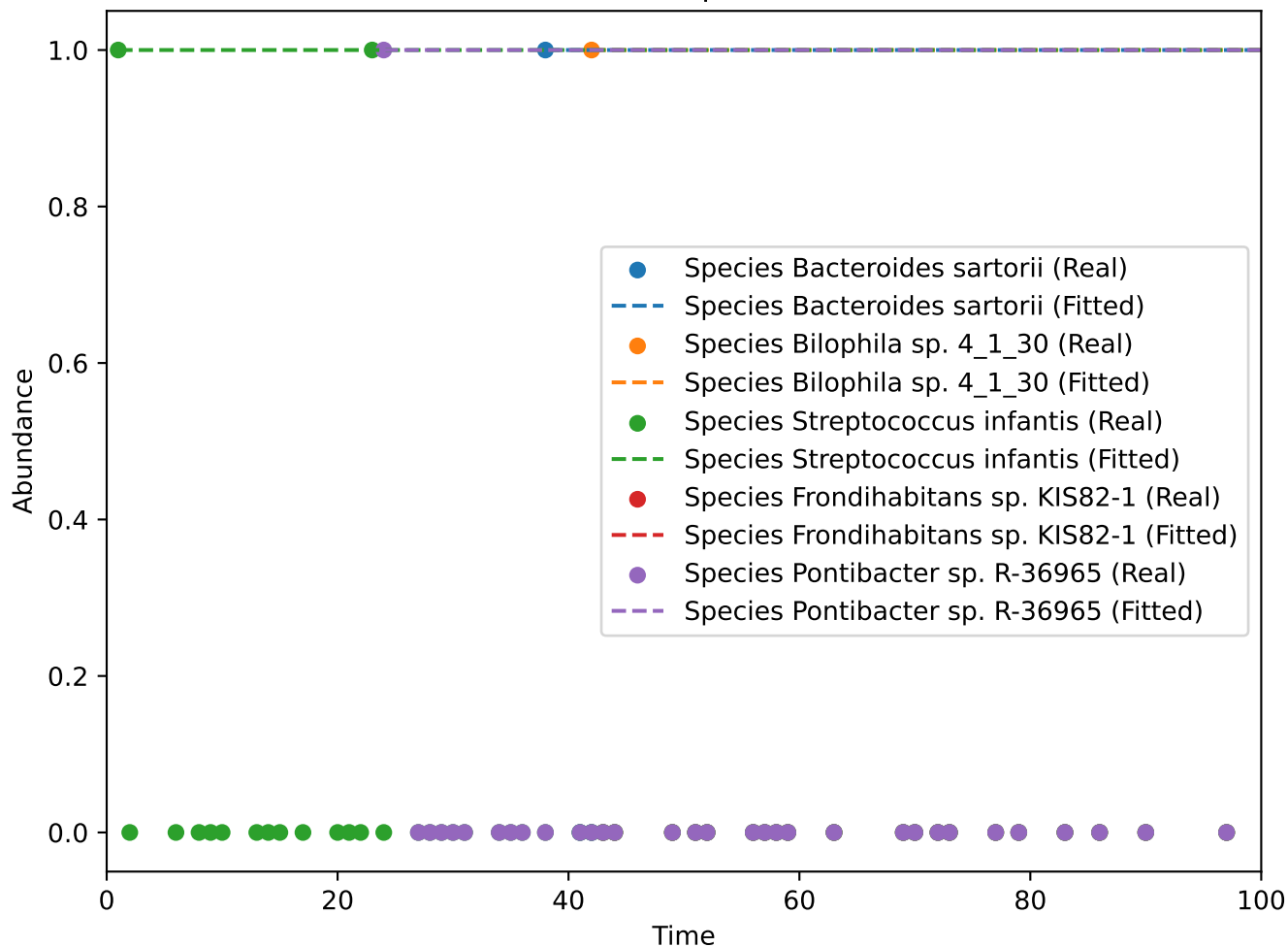
Species Clostridium sp. Culture-57 (Fitted)

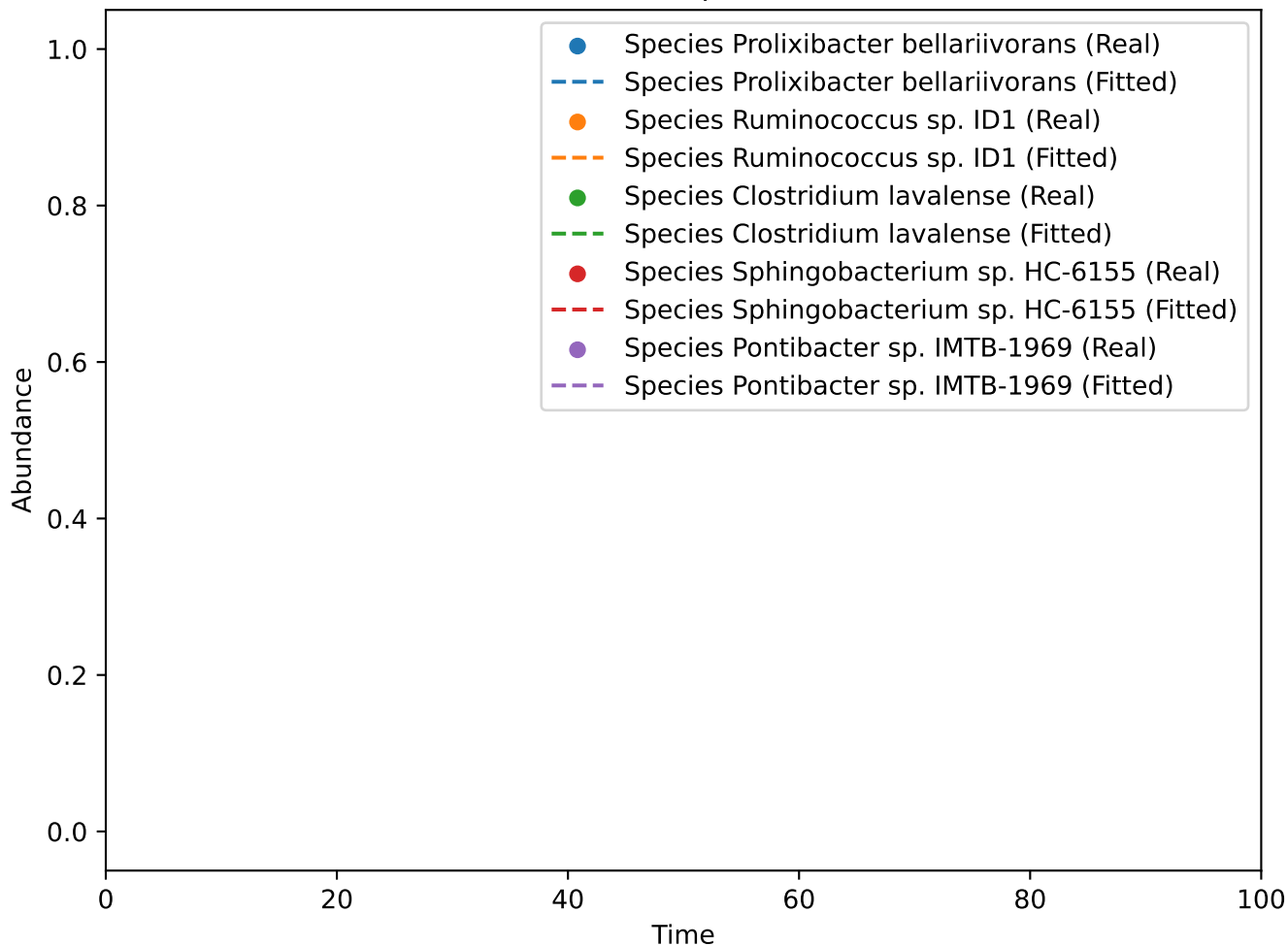
Species Clostridium sp. A9 (Real)

Species Clostridium sp. A9 (Fitted)

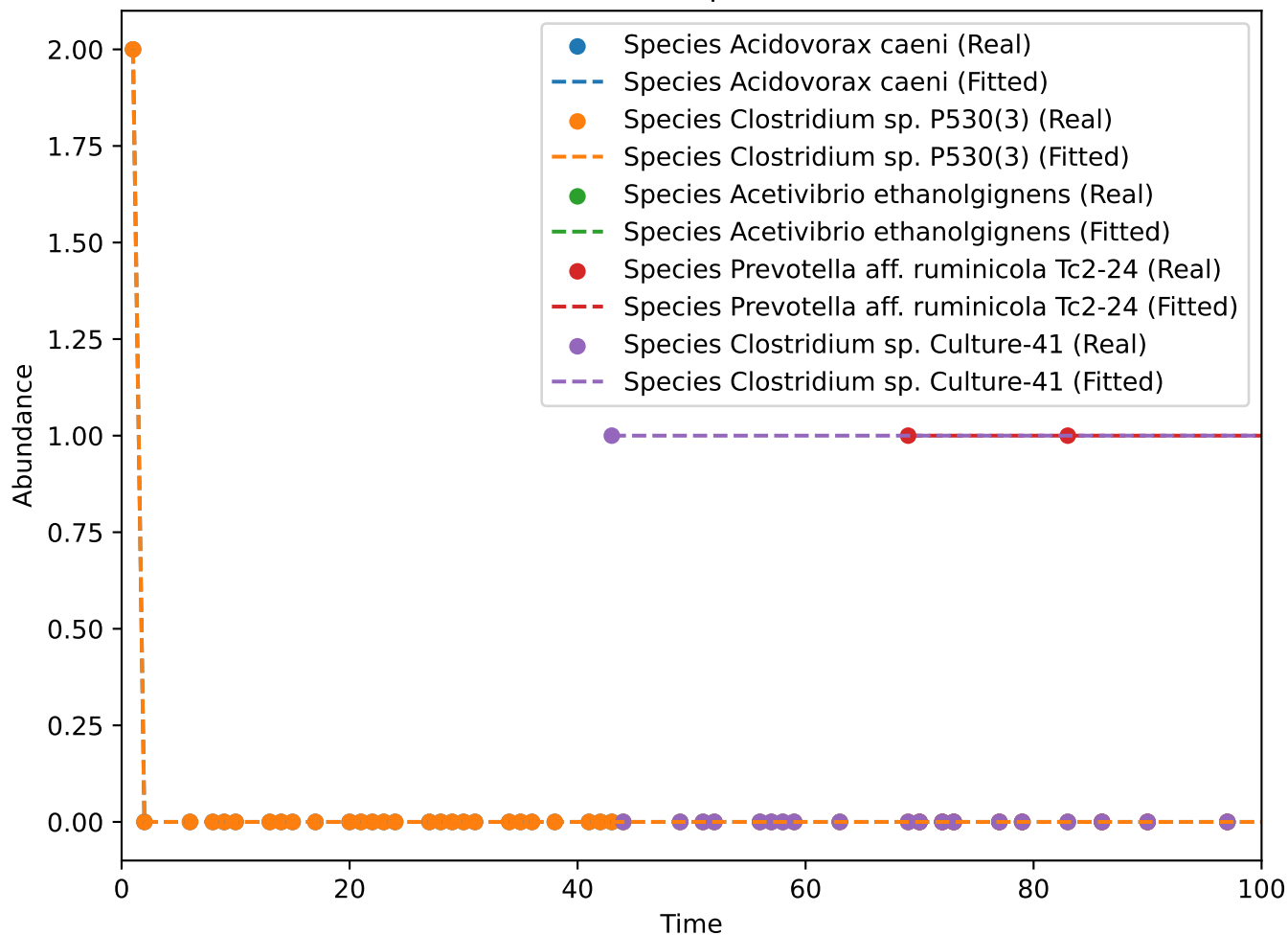


Mouse 8 - Species Fit

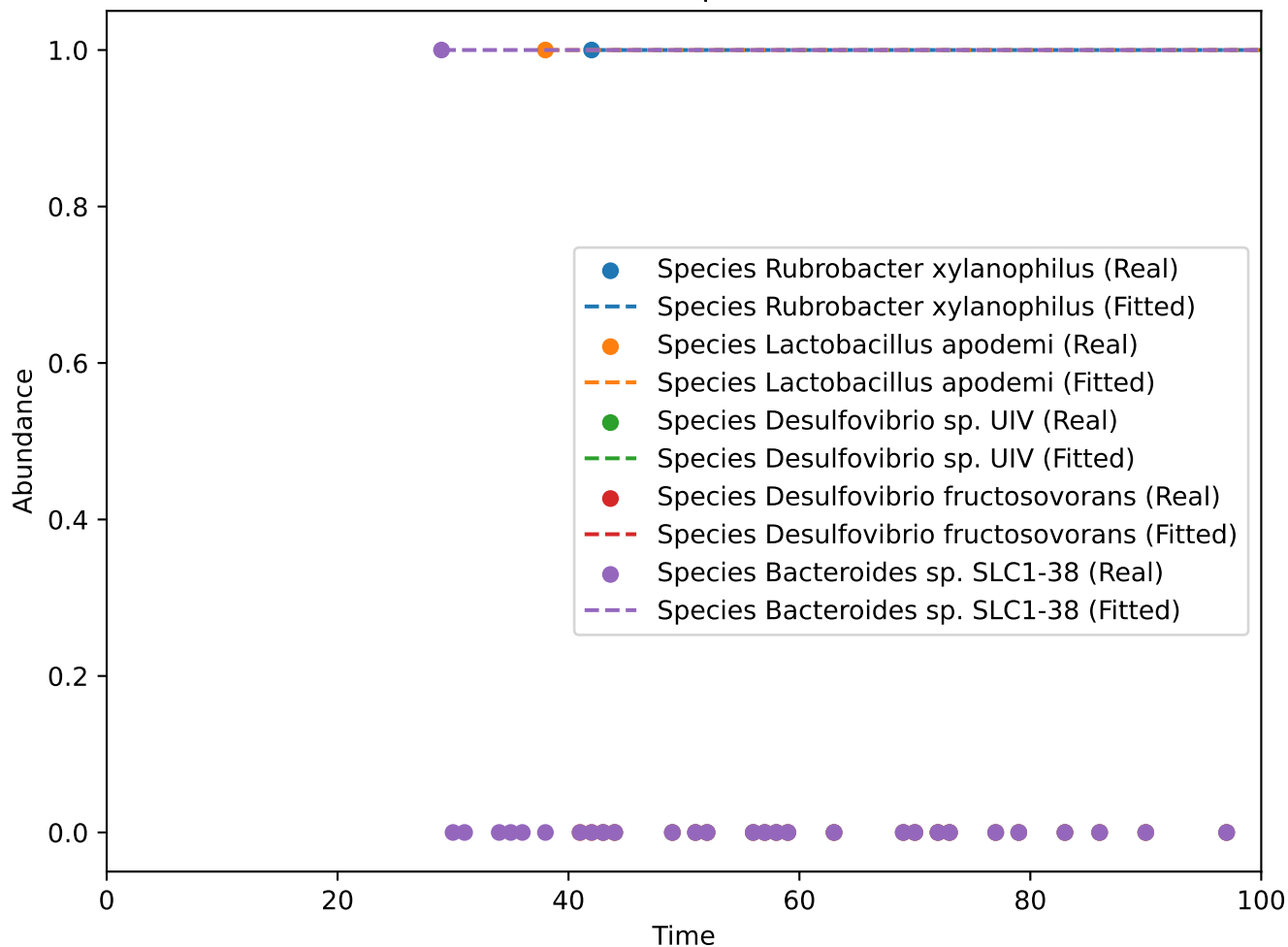




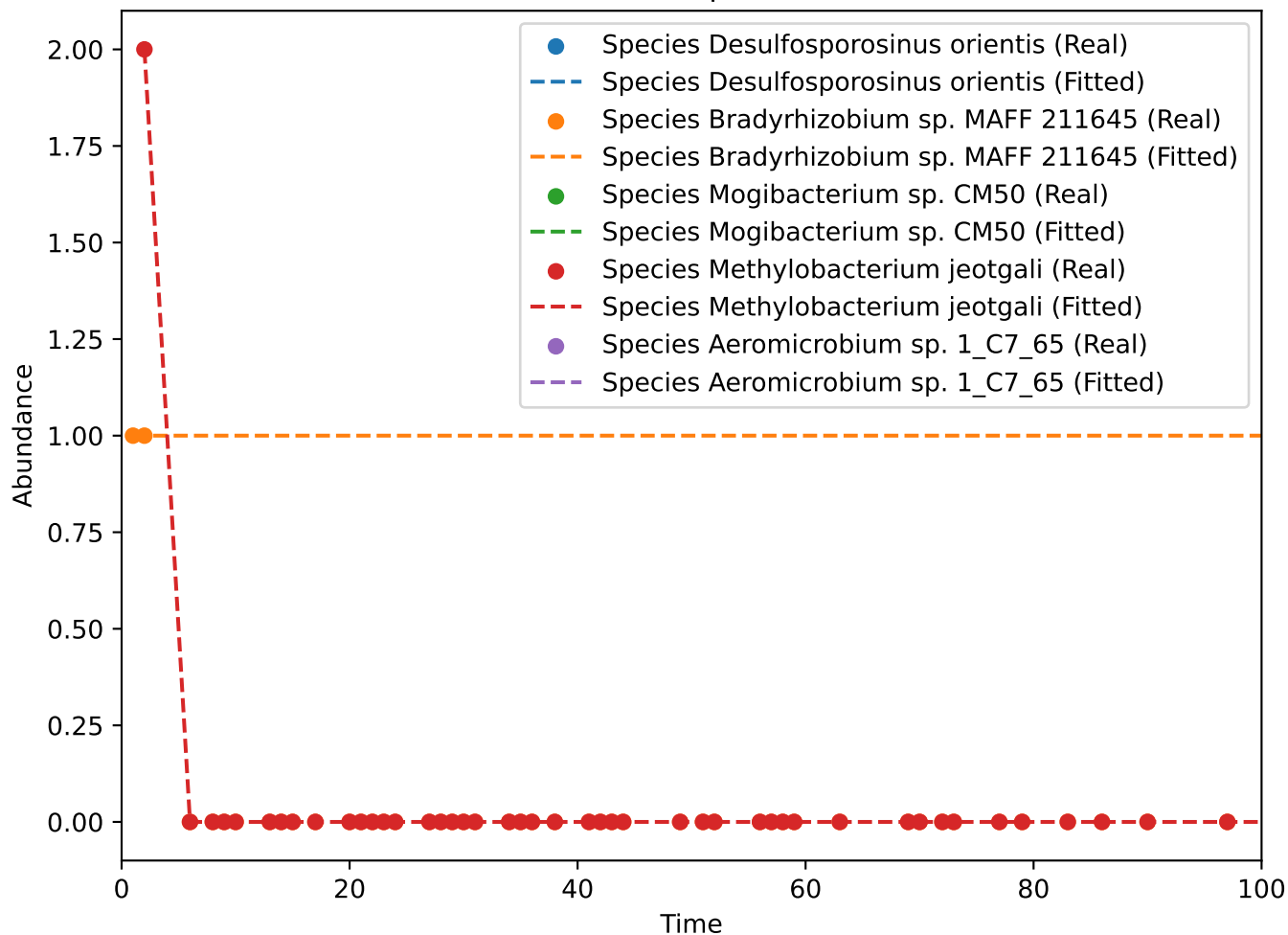
Mouse 8 - Species Fit

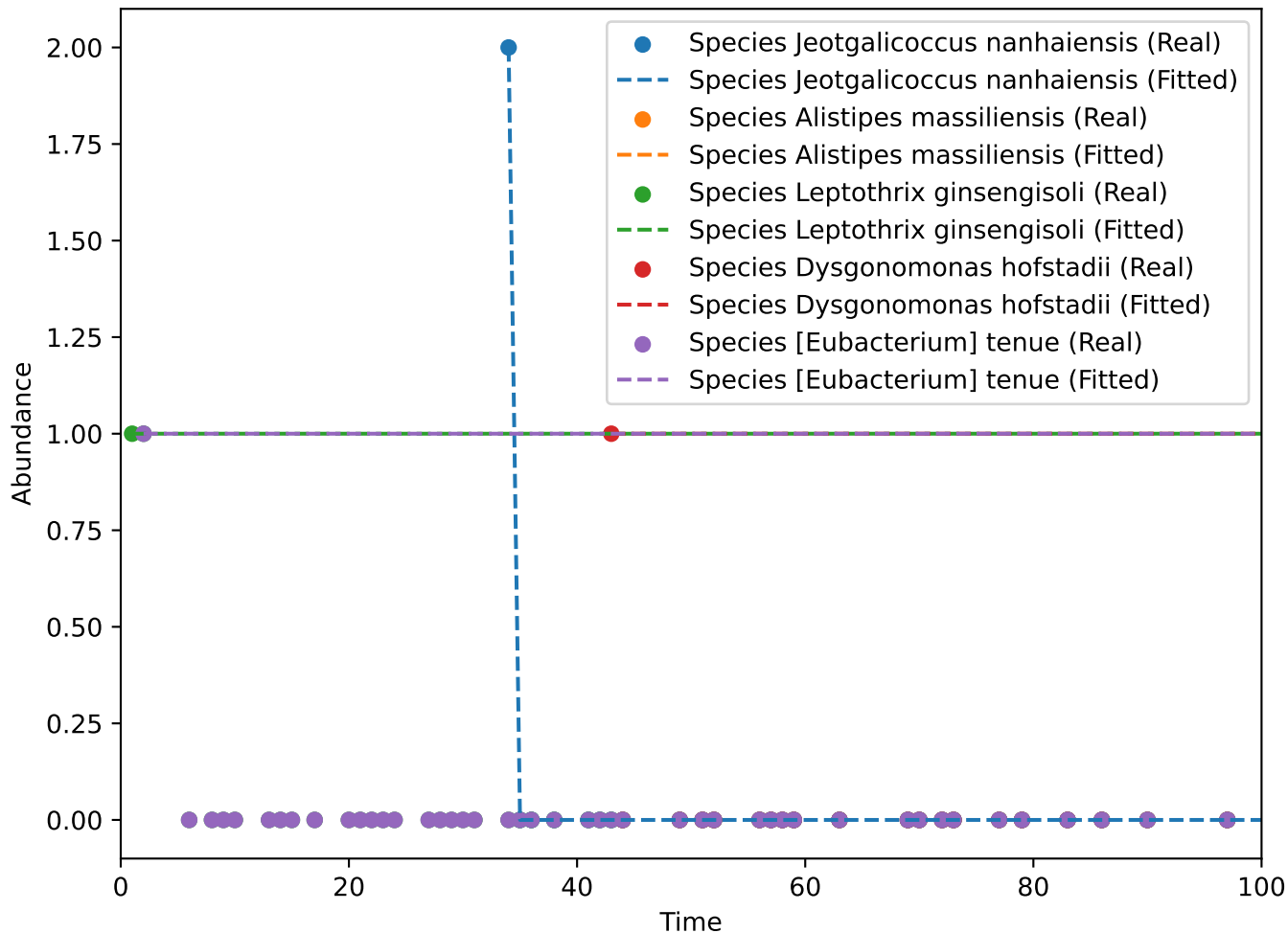


Mouse 8 - Species Fit

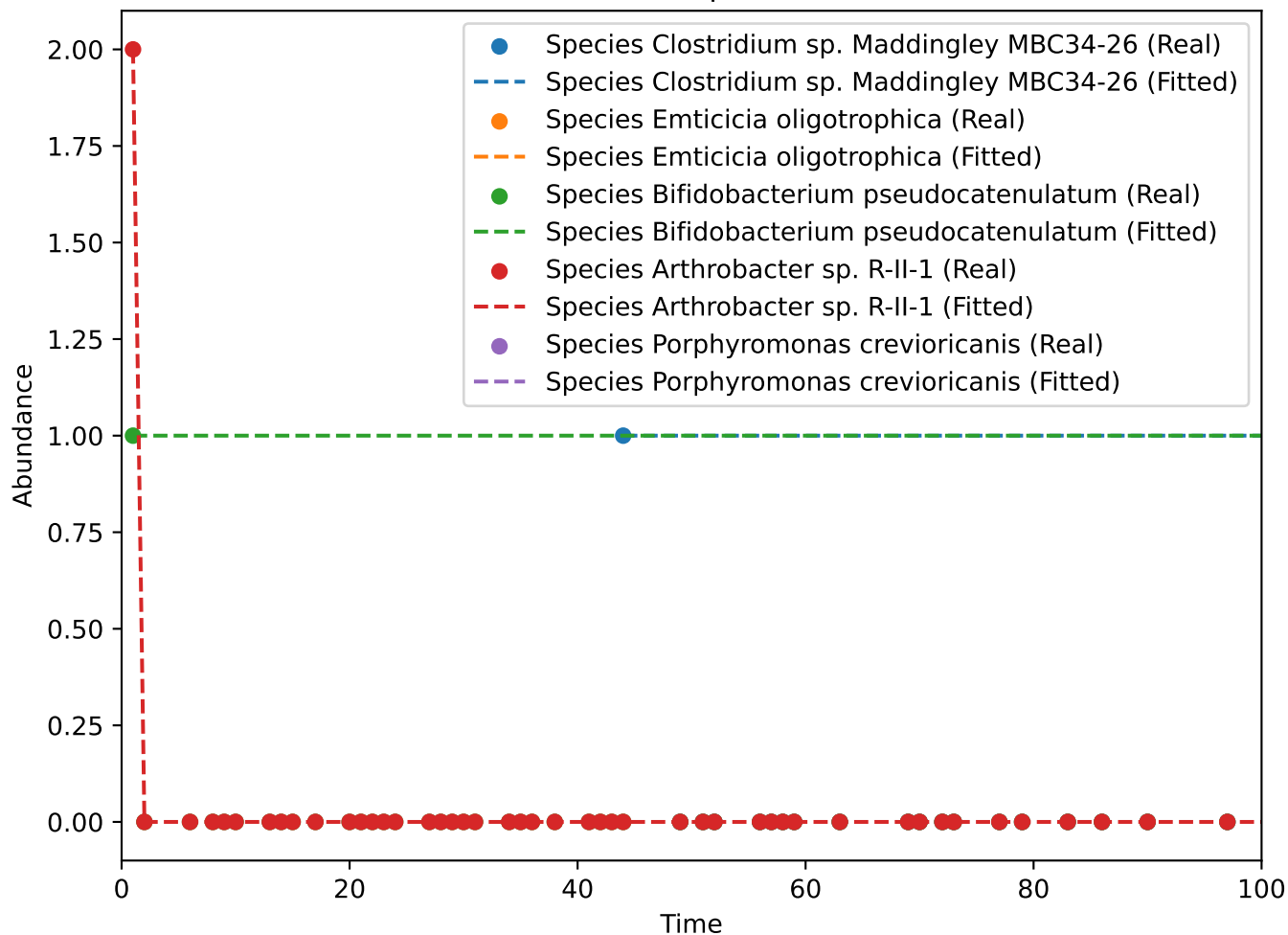


Mouse 8 - Species Fit





Mouse 8 - Species Fit



Species Porphyromonas sp. canine oral taxon 366 (Real)

Species Porphyromonas sp. canine oral taxon 366 (Fitted)

Species Clostridium septicum (Real)

Species Clostridium septicum (Fitted)

Species Flavobacterium sp. KB10 (Real)

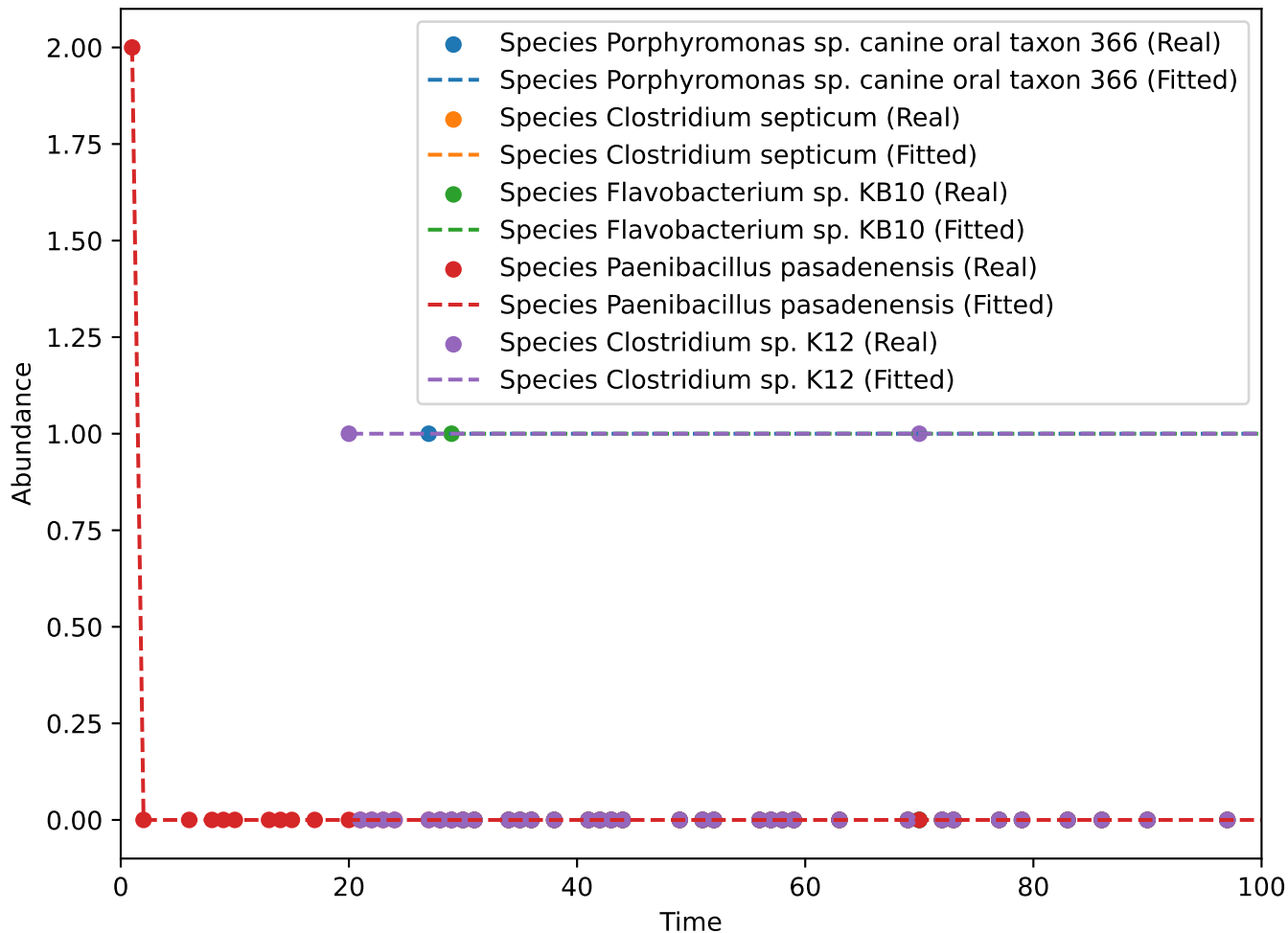
Species Flavobacterium sp. KB10 (Fitted)

Species Paenibacillus pasadenensis (Real)

Species Paenibacillus pasadenensis (Fitted)

Species Clostridium sp. K12 (Real)

Species Clostridium sp. K12 (Fitted)



Mouse 8 - Species Fit

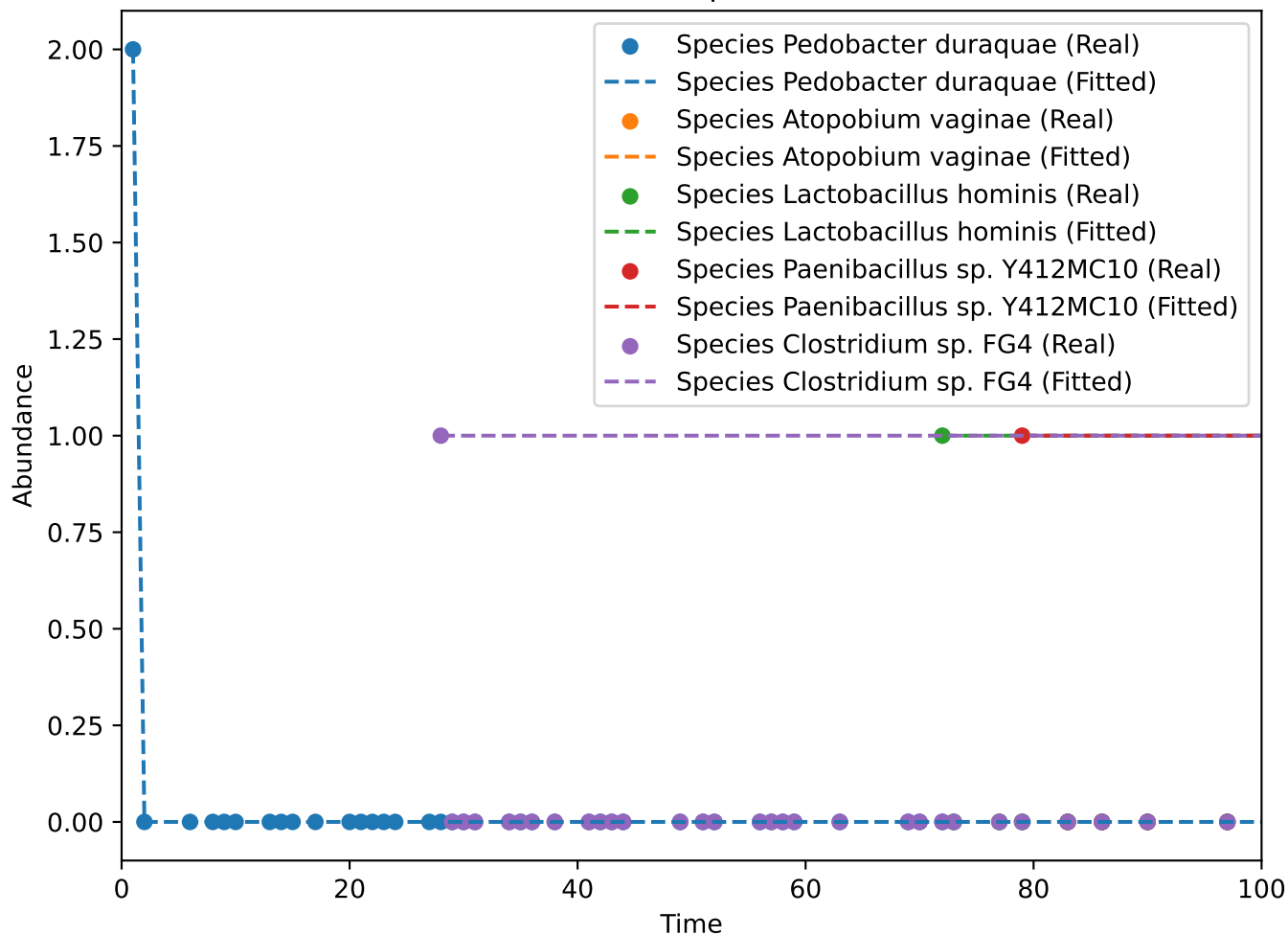
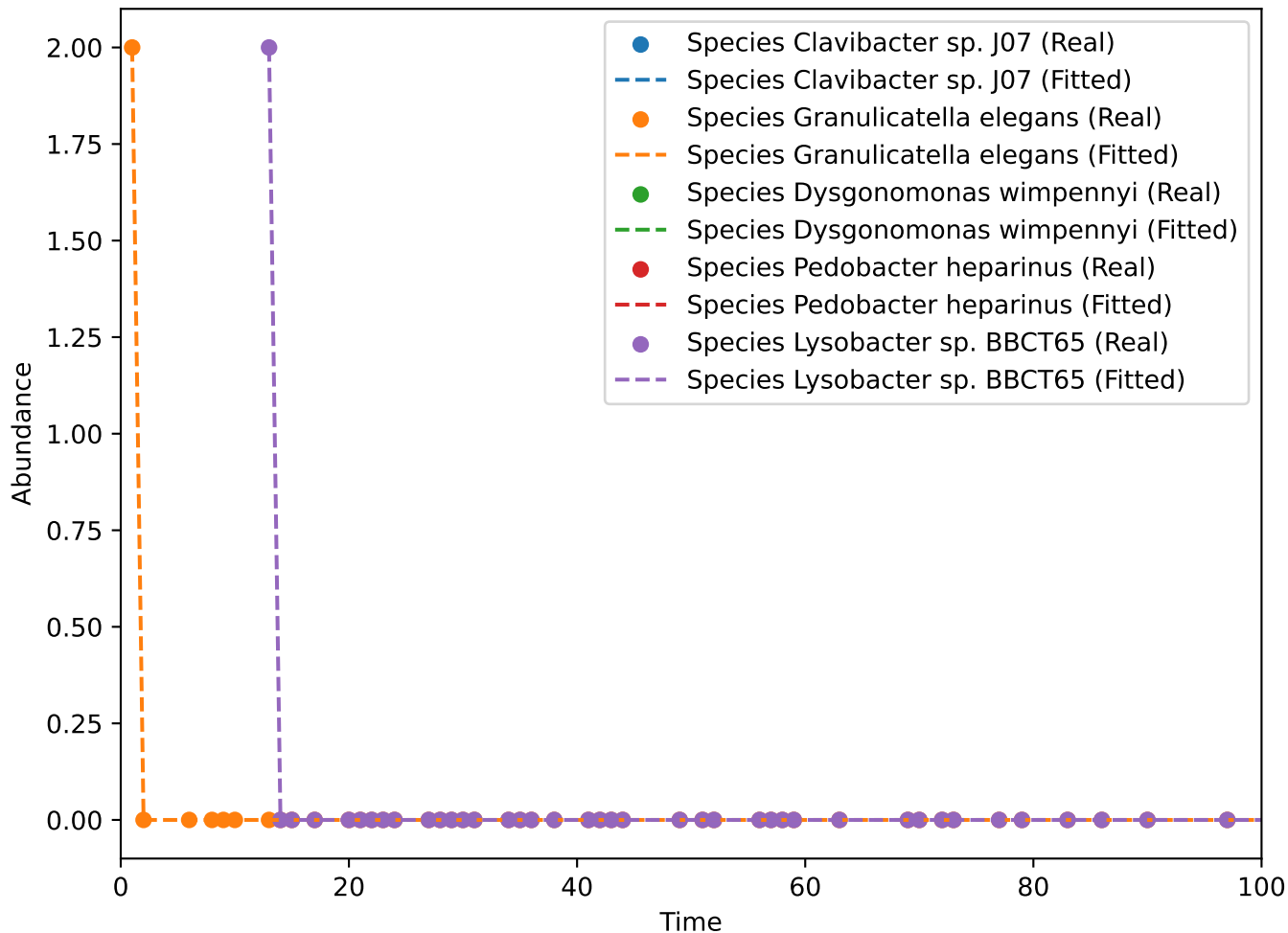
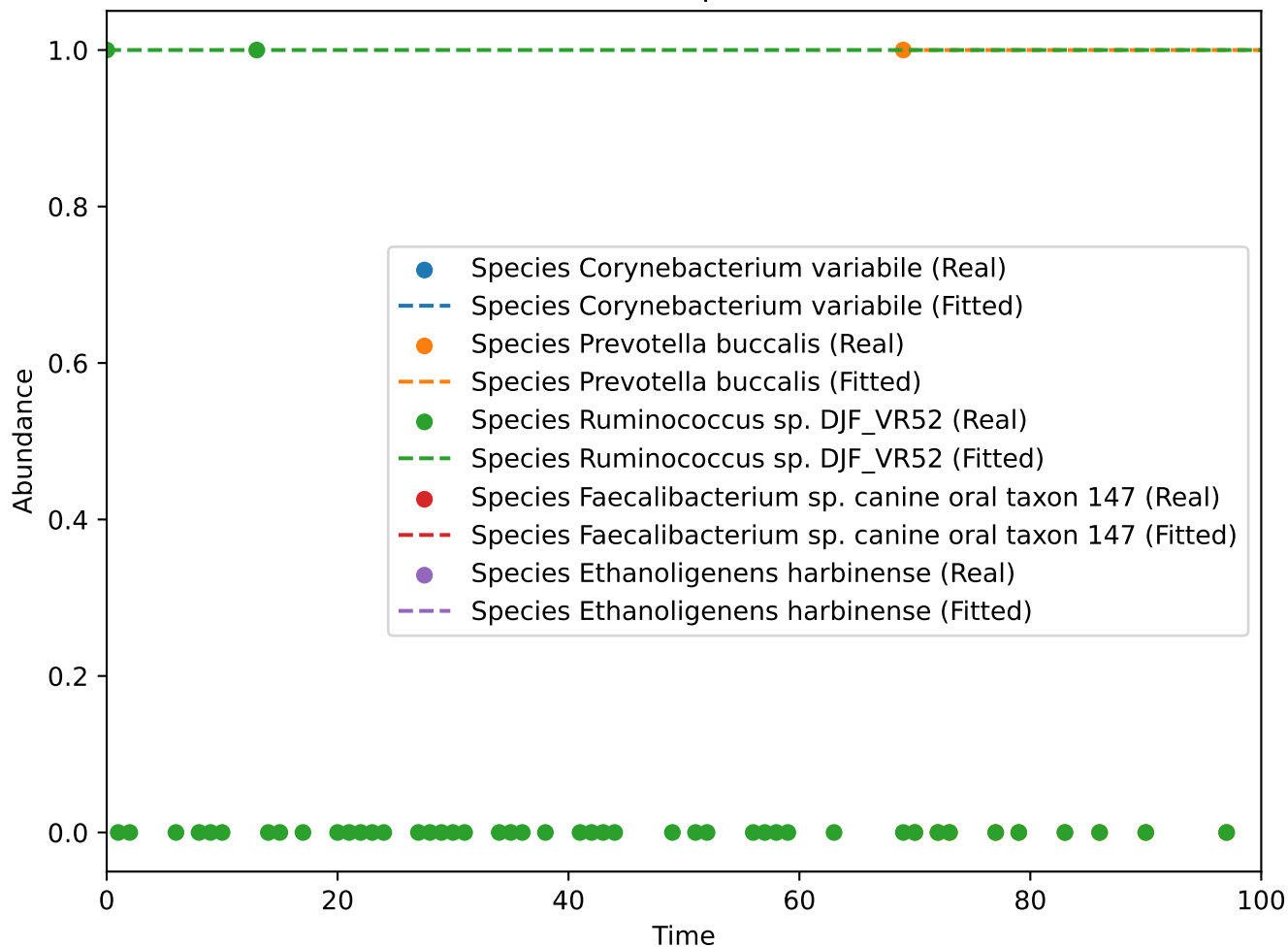


Figure 1 is a line graph showing the number of bacterial species (Y-axis, 0 to 10) versus the number of samples (X-axis, 0 to 100). The graph displays data for five species: *Clavibacter* sp. J07, *Granulicatella elegans*, *Dysgonomonas wimpennyi*, *Pedobacter heparinus*, and *Lysobacter* sp. BBCT65. For each species, both 'Real' (observed) and 'Fitted' (model-predicted) values are shown. The fitted values generally follow the real data points, which are mostly clustered at 1 species per sample, with a few outliers at 2 species per sample. The fitted lines are dashed, and the real data points are solid circles.

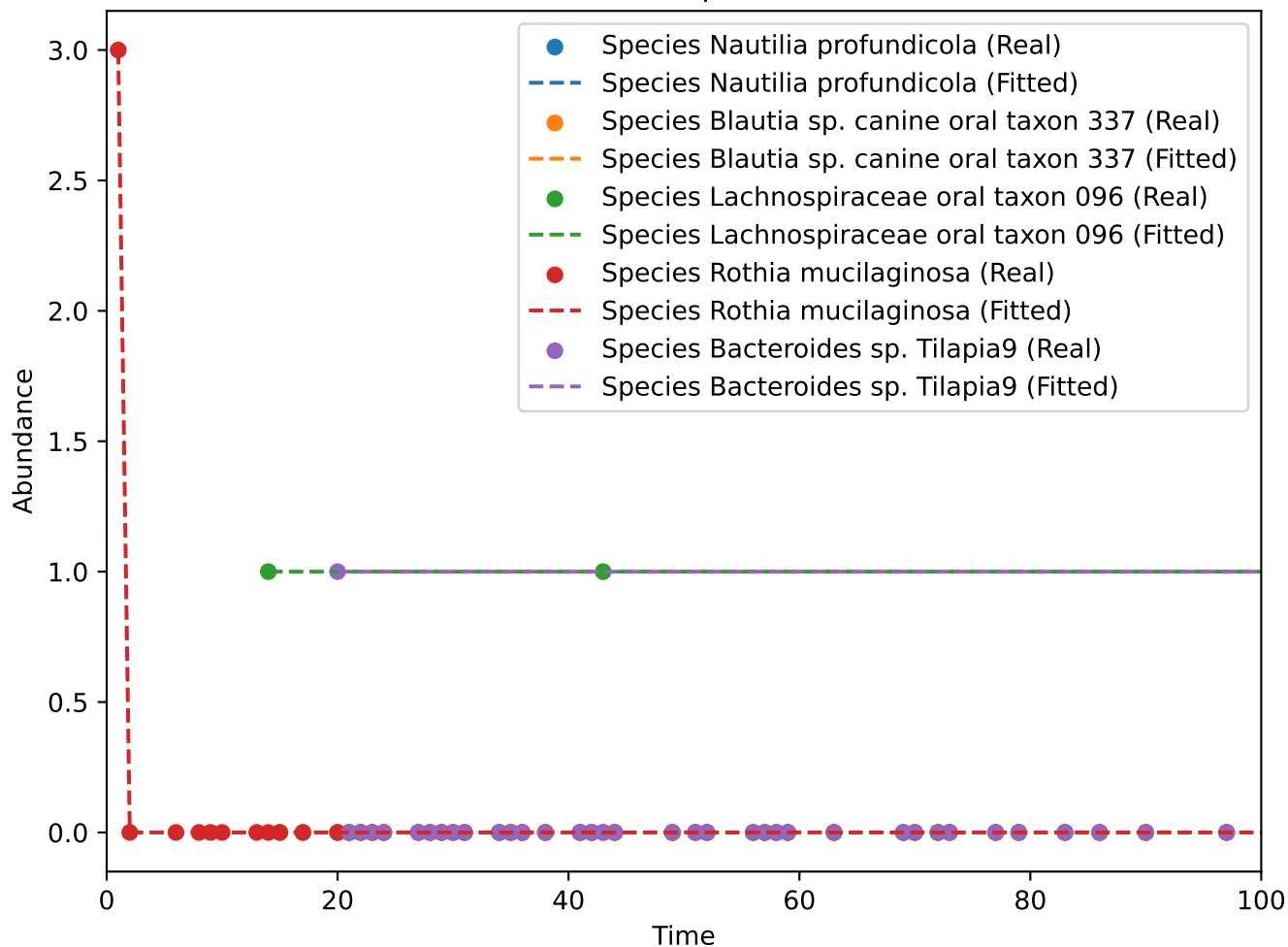
Species	Real Data (Approximate)	Fitted Data (Approximate)
<i>Clavibacter</i> sp. J07	1 species at samples 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	1 species at samples 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
<i>Granulicatella elegans</i>	1 species at samples 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	1 species at samples 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
<i>Dysgonomonas wimpennyi</i>	1 species at samples 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	1 species at samples 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
<i>Pedobacter heparinus</i>	1 species at samples 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	1 species at samples 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
<i>Lysobacter</i> sp. BBCT65	1 species at samples 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 8	



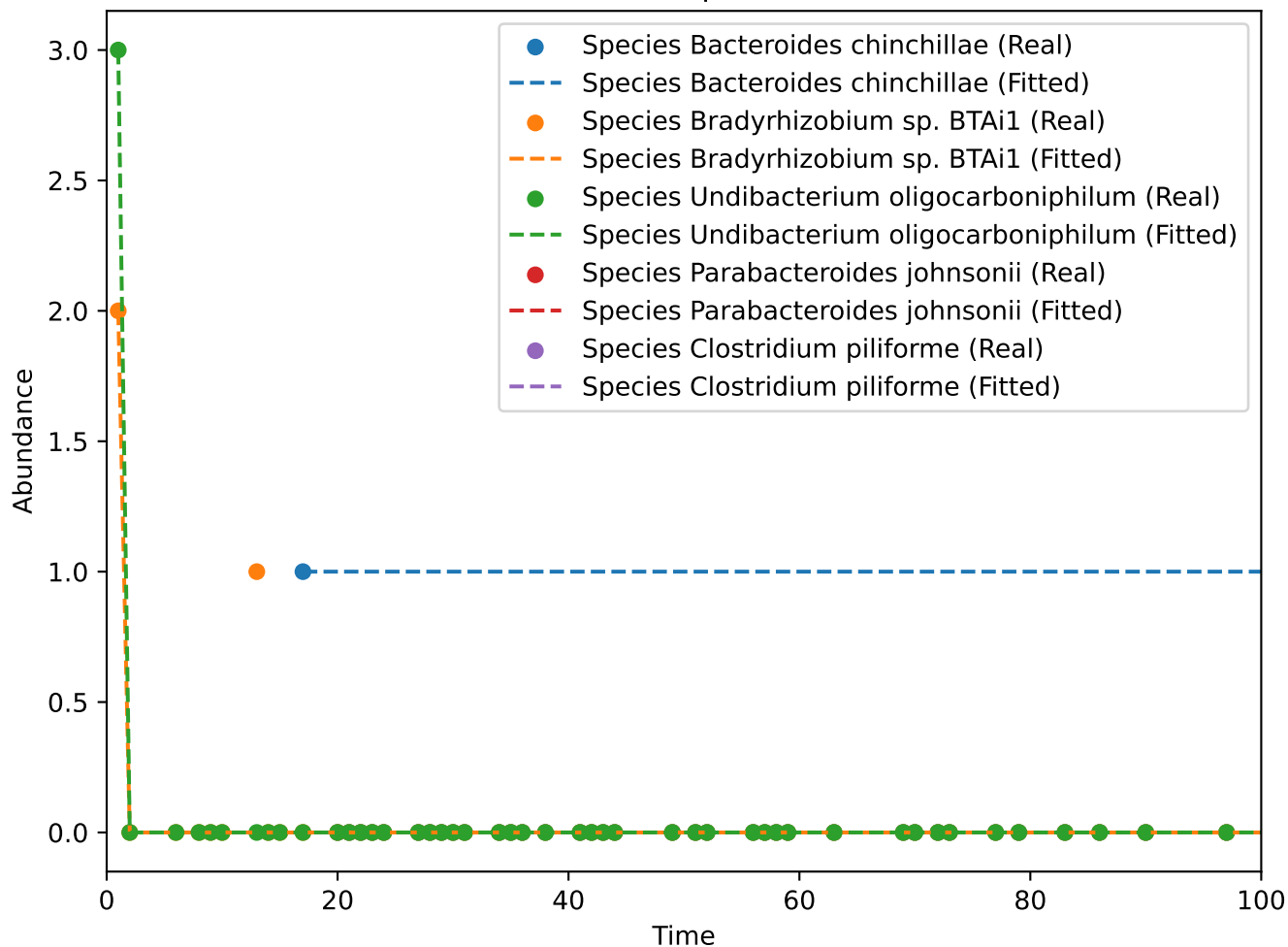
Mouse 8 - Species Fit



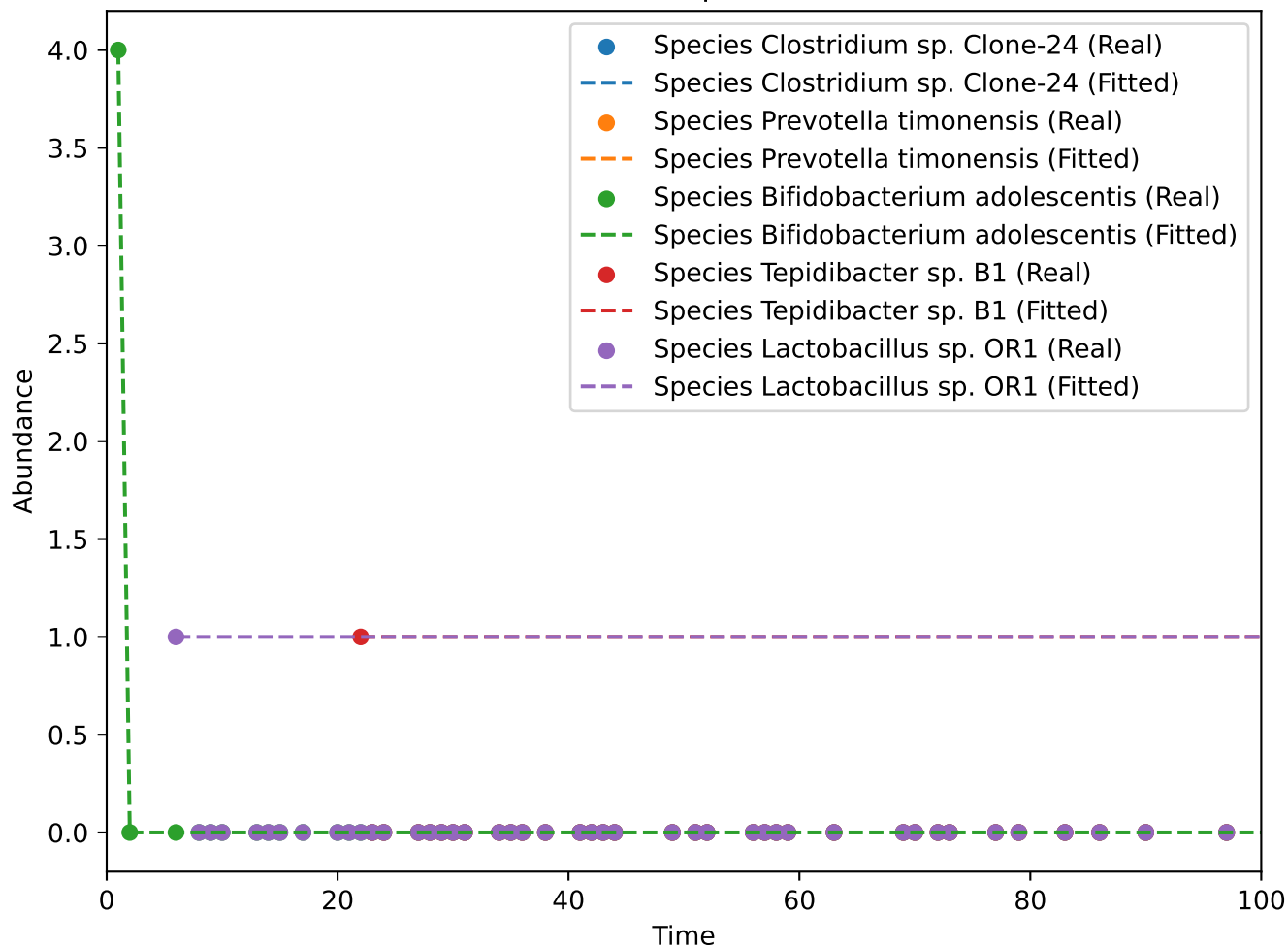
Mouse 8 - Species Fit



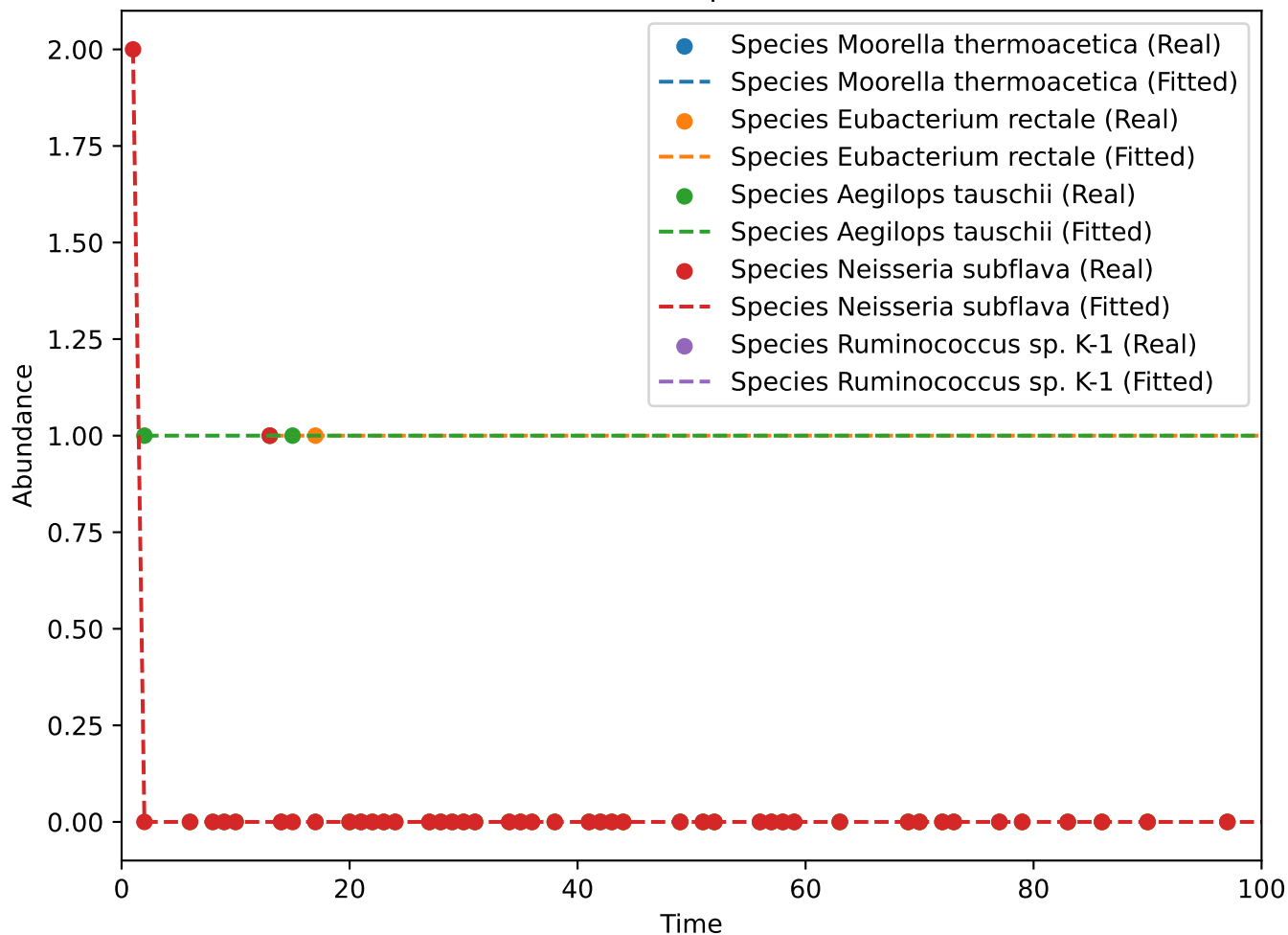
Mouse 8 - Species Fit



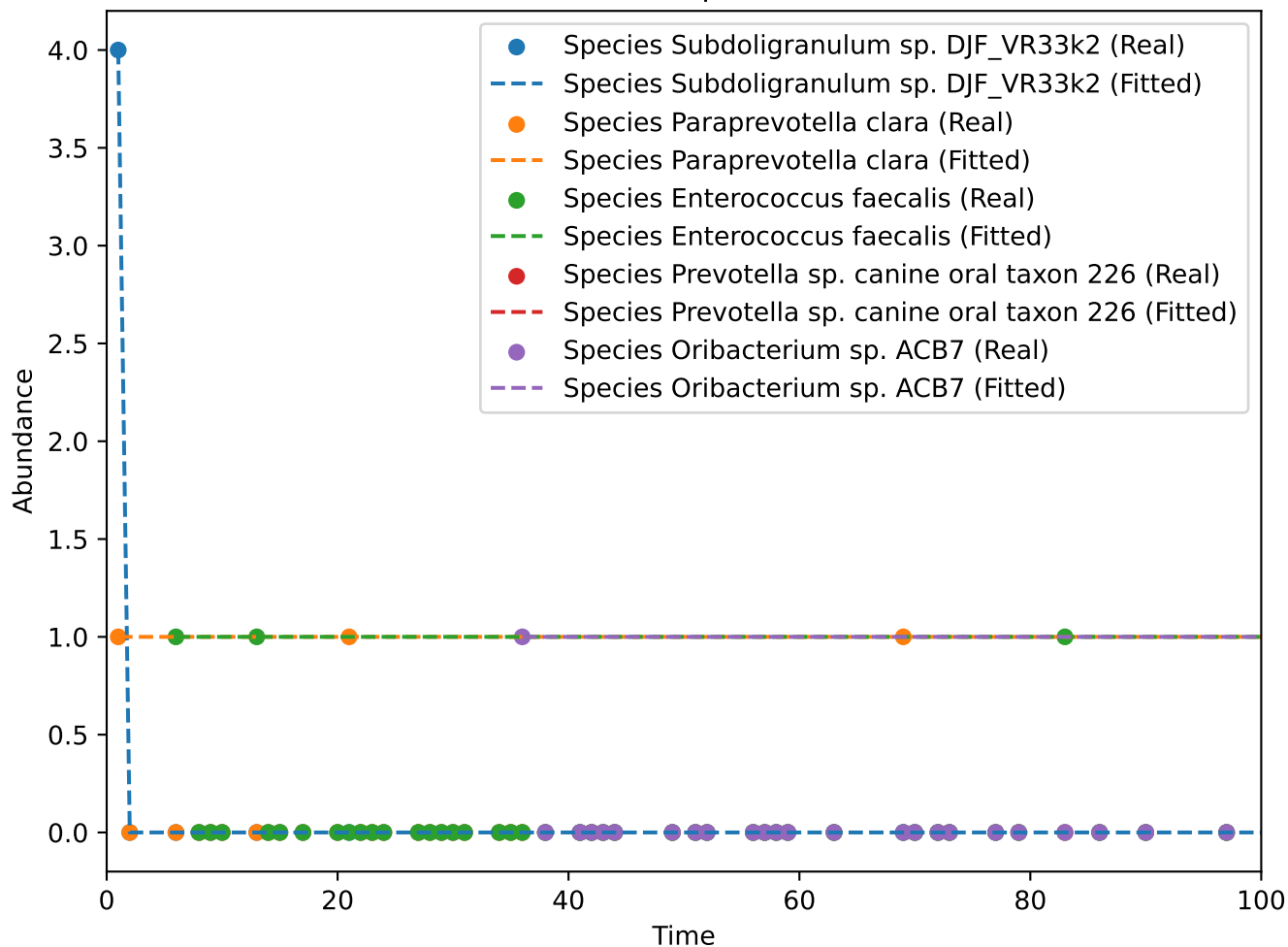
Mouse 8 - Species Fit



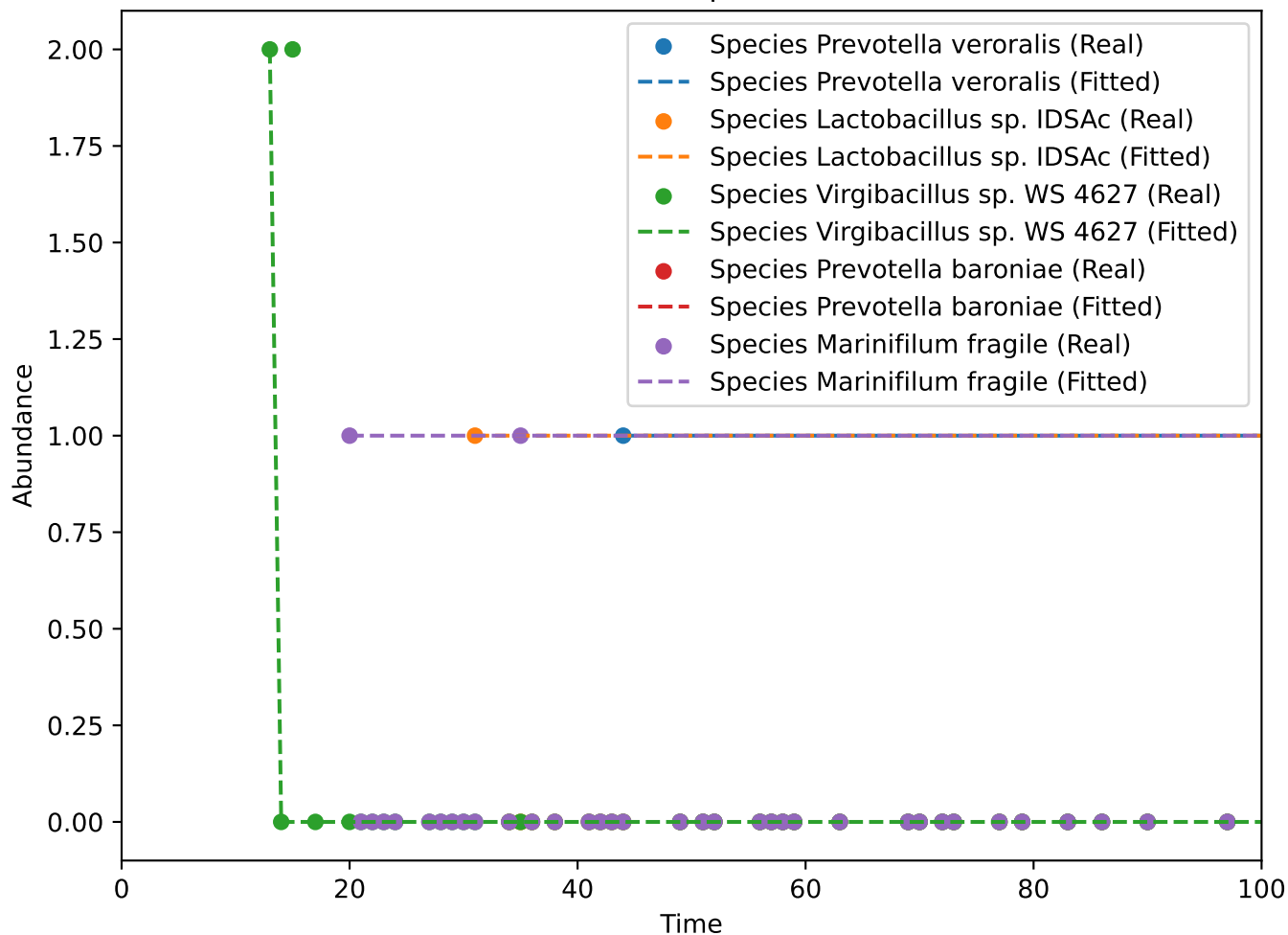
Mouse 8 - Species Fit



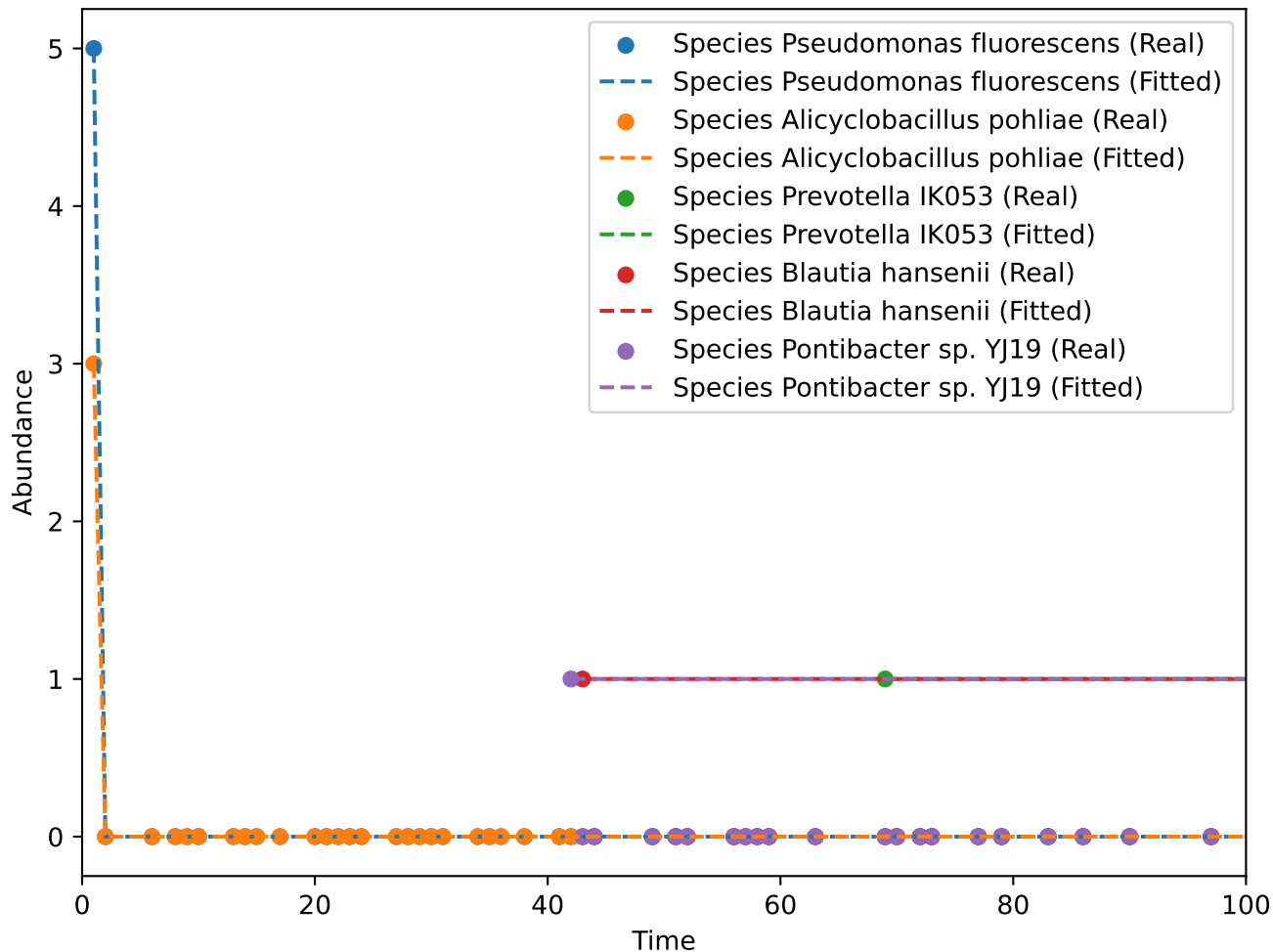
Mouse 8 - Species Fit

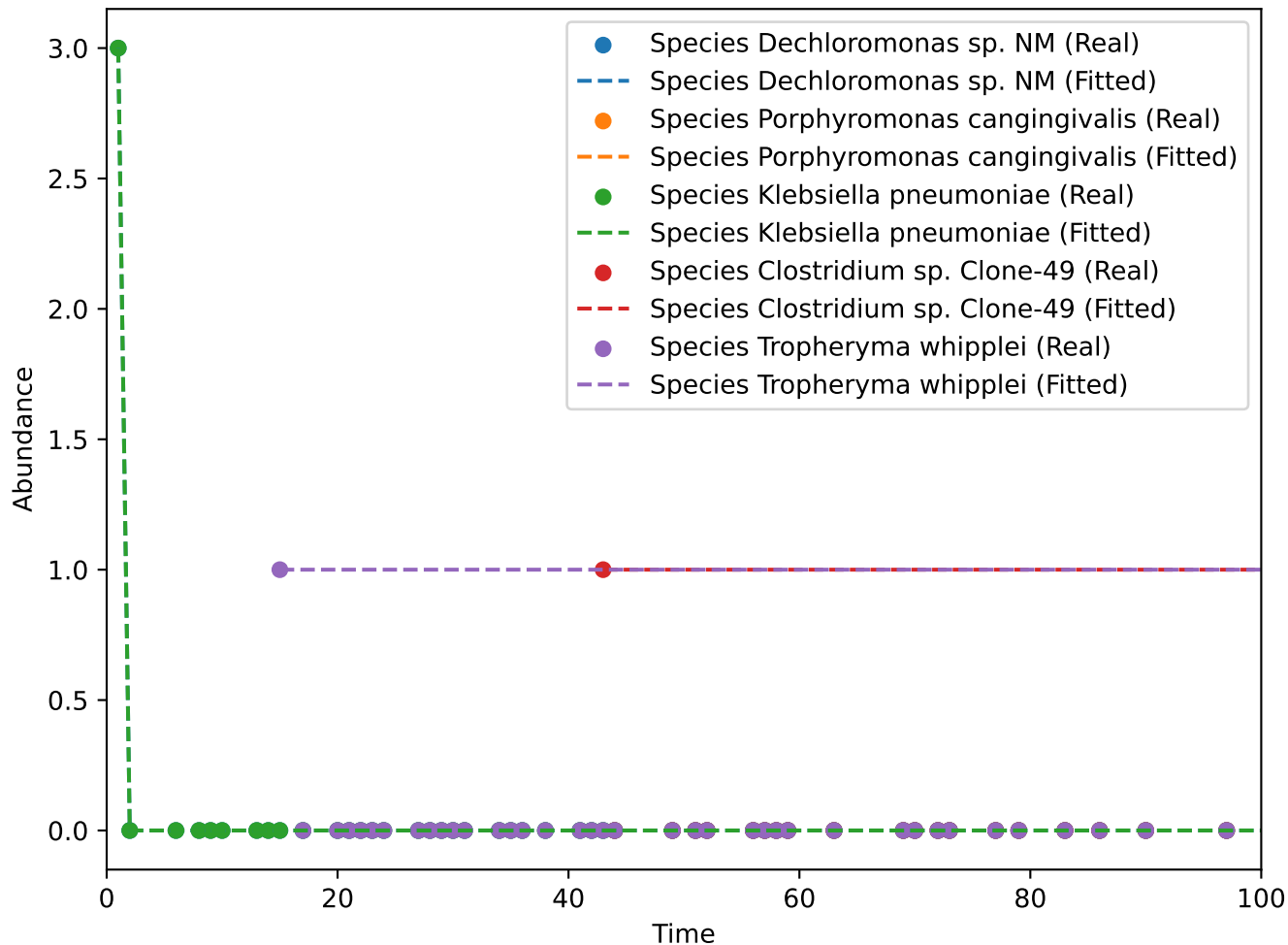


Mouse 8 - Species Fit

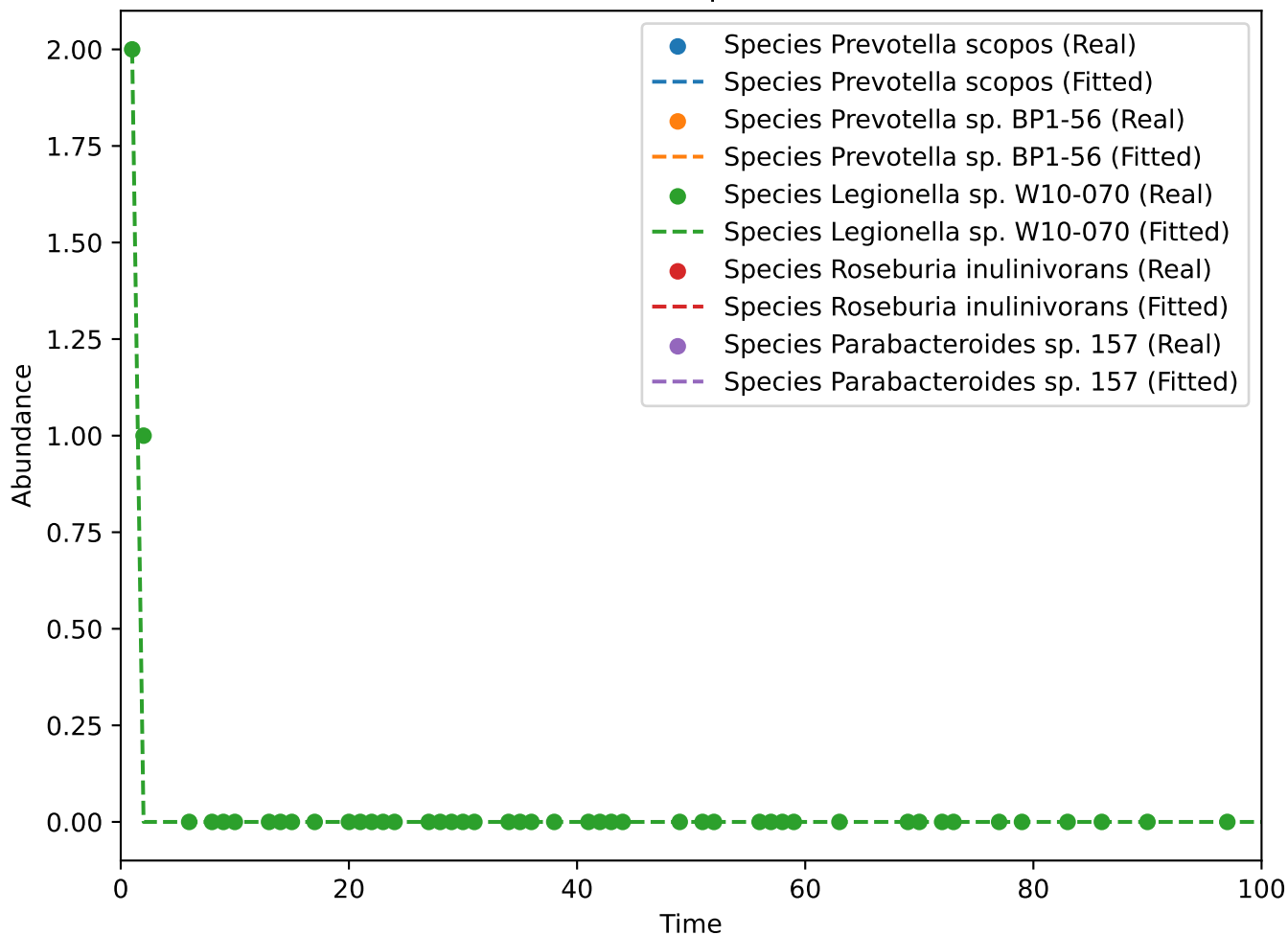


Mouse 8 - Species Fit

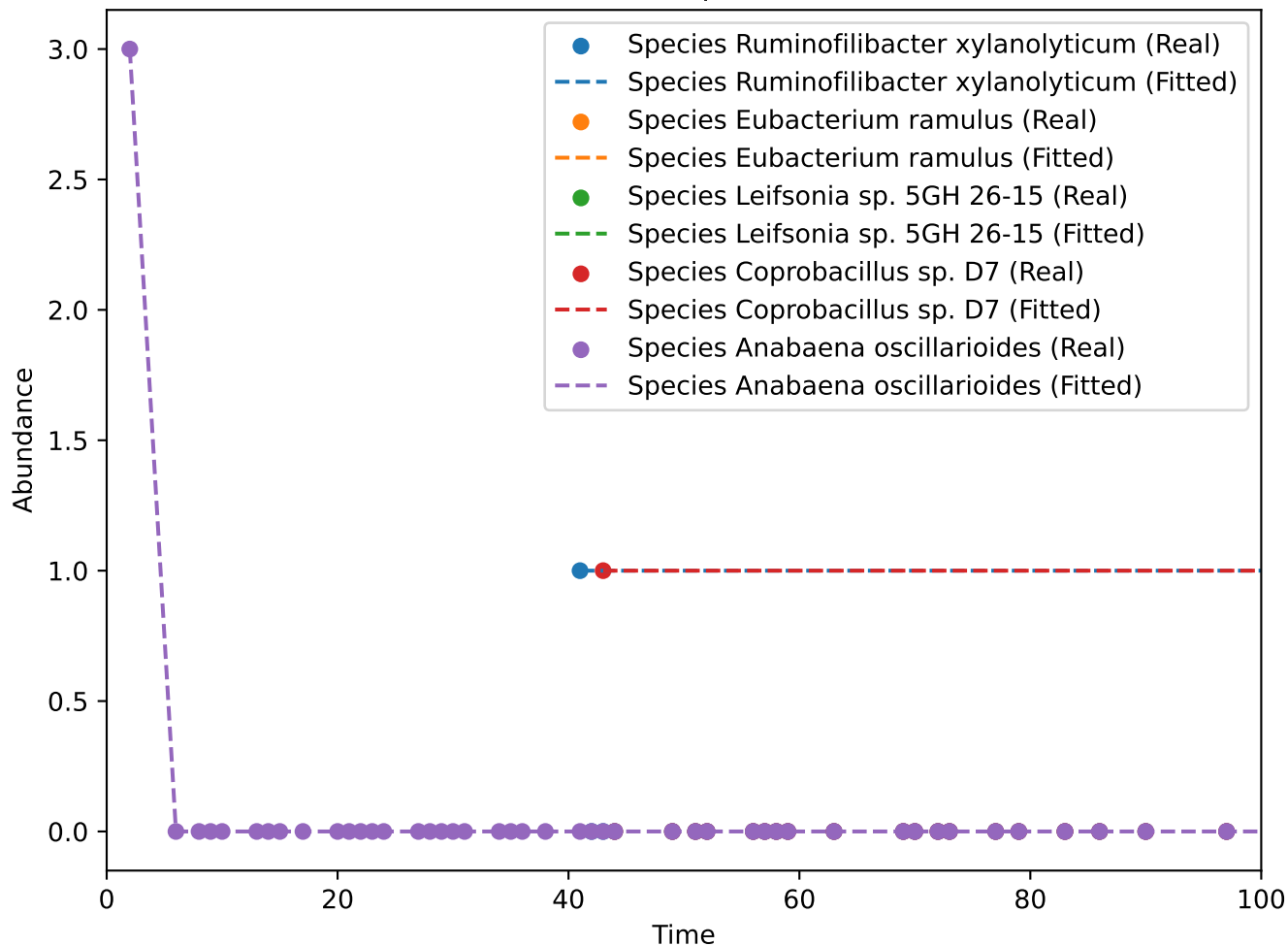




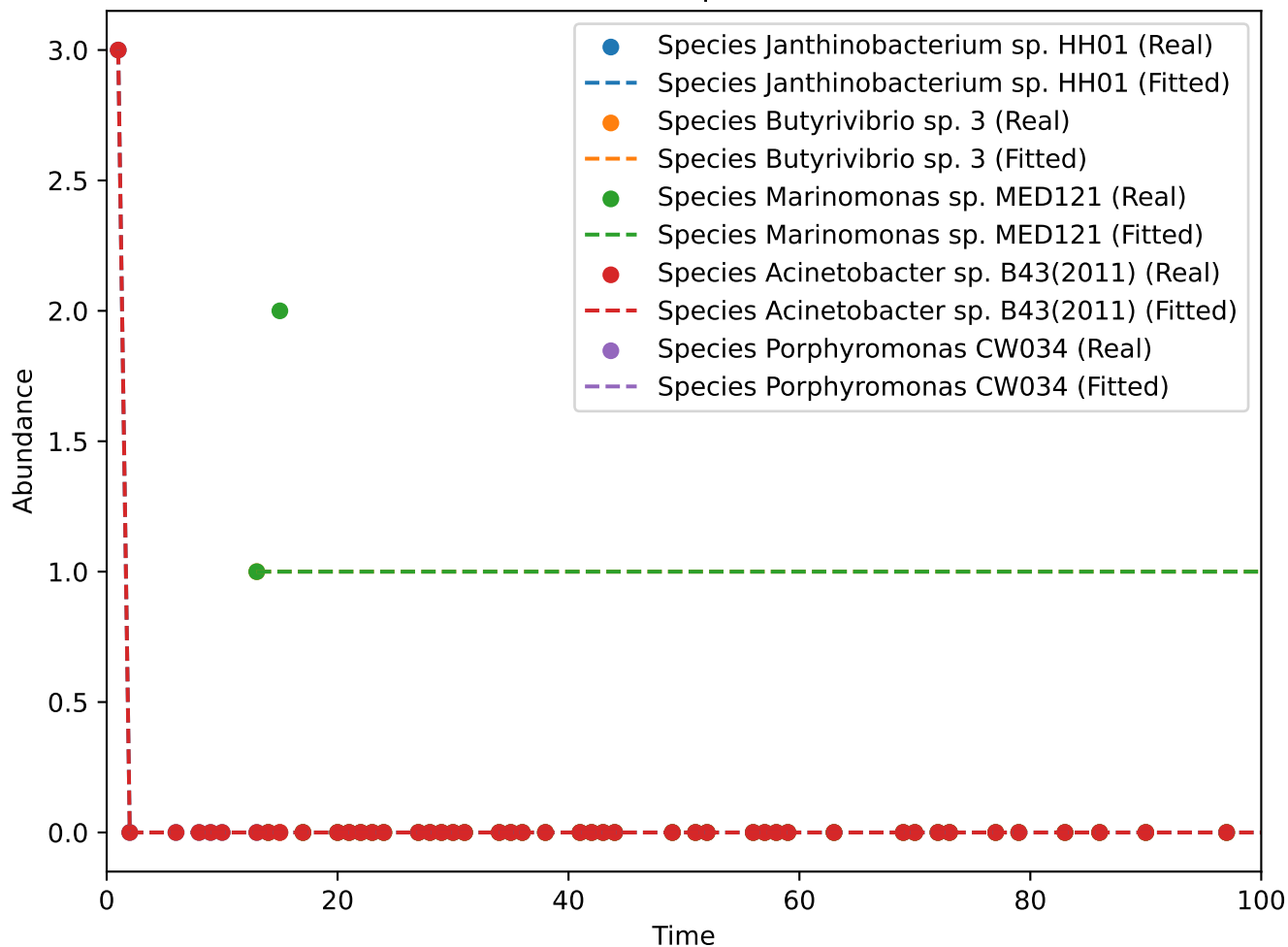
Mouse 8 - Species Fit



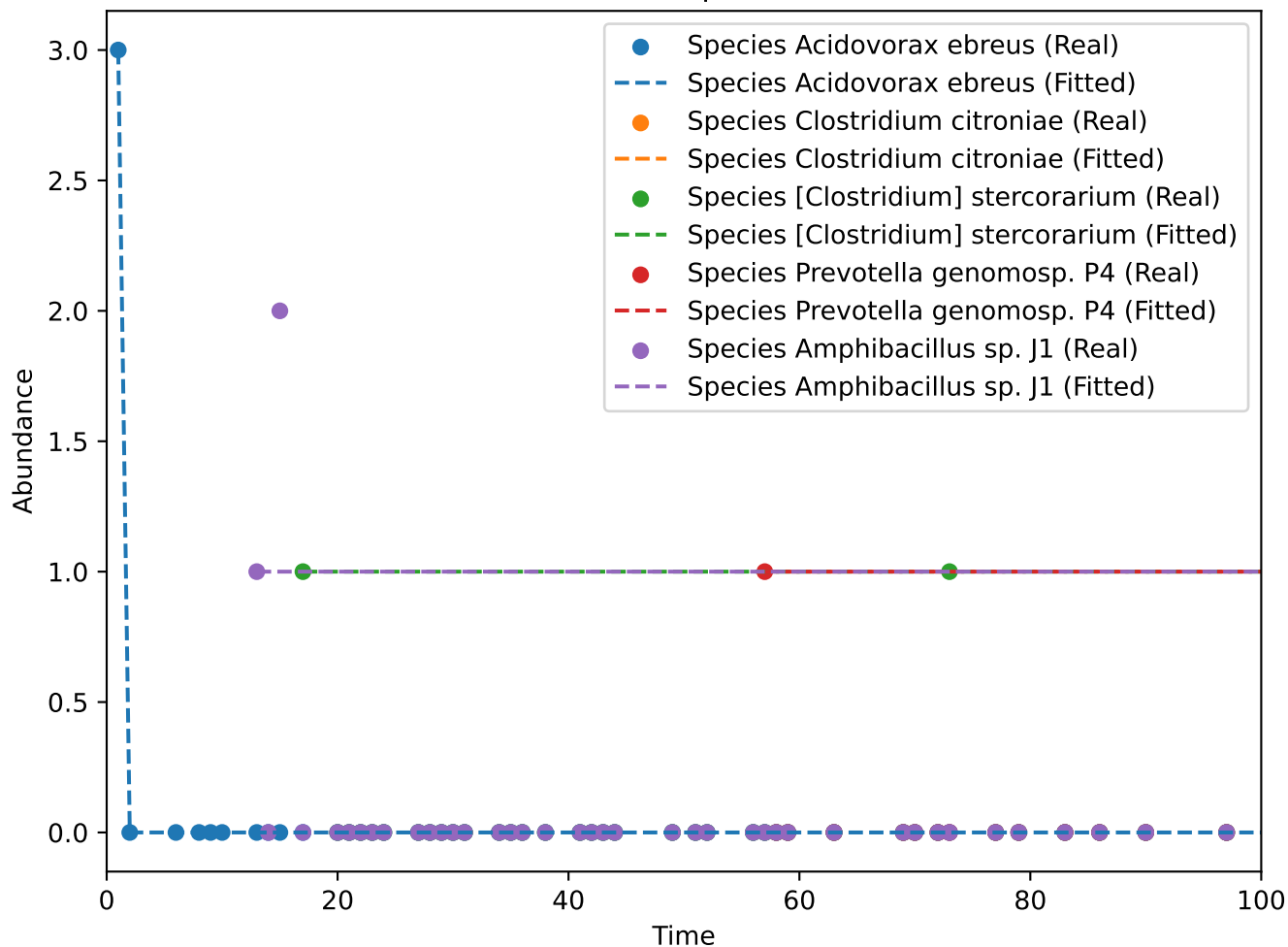
Mouse 8 - Species Fit



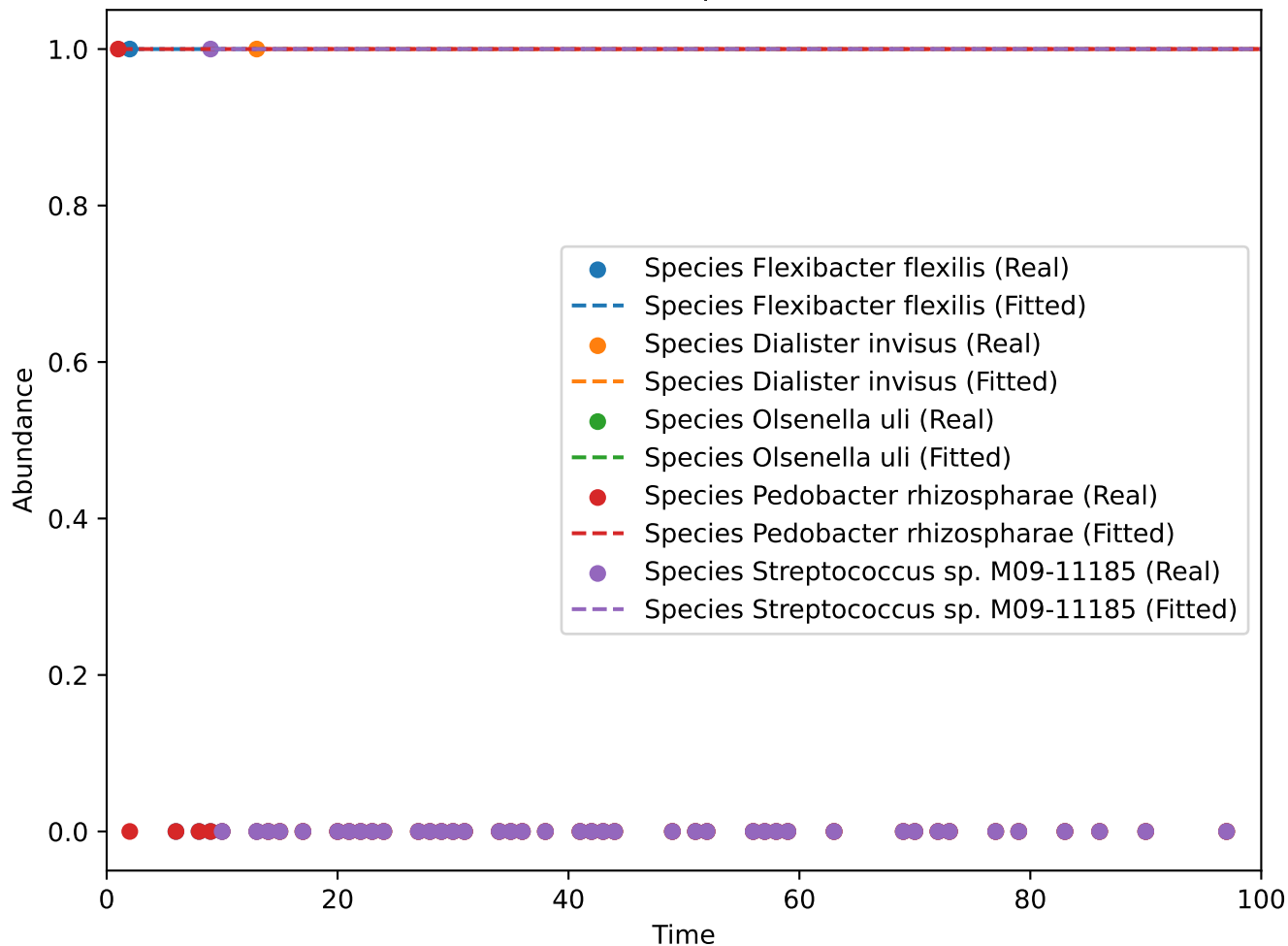
Mouse 8 - Species Fit



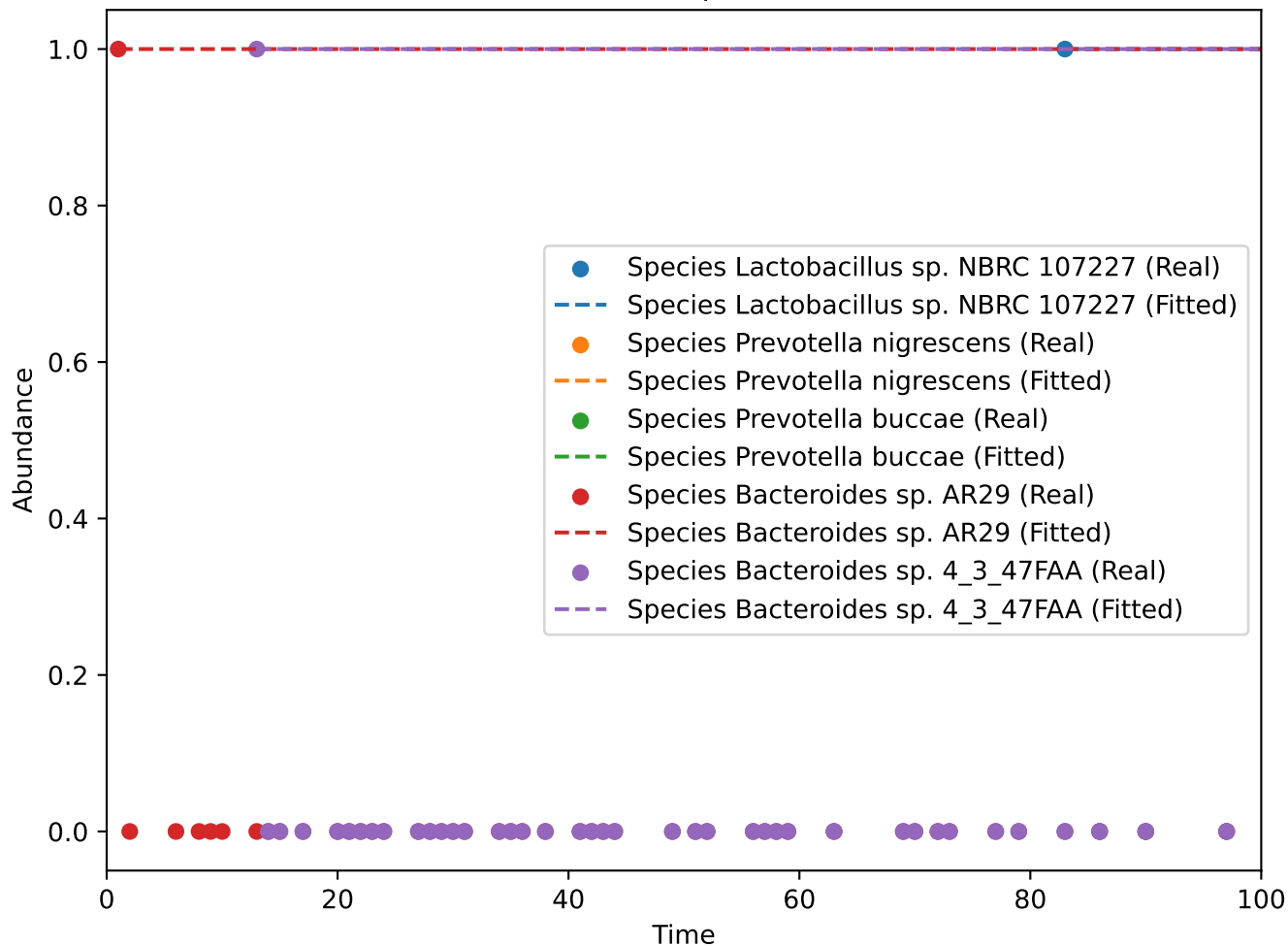
Mouse 8 - Species Fit



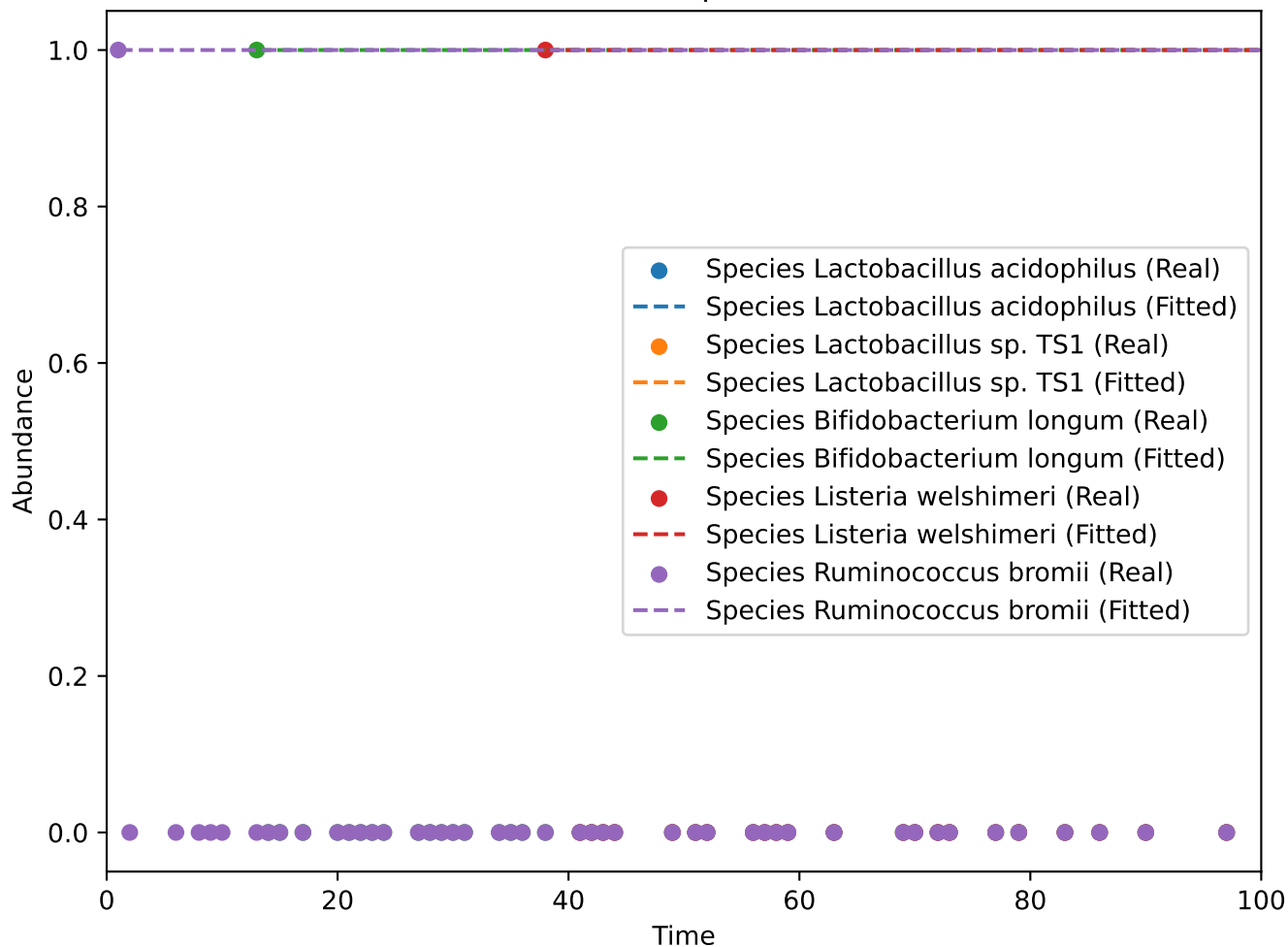
Mouse 8 - Species Fit



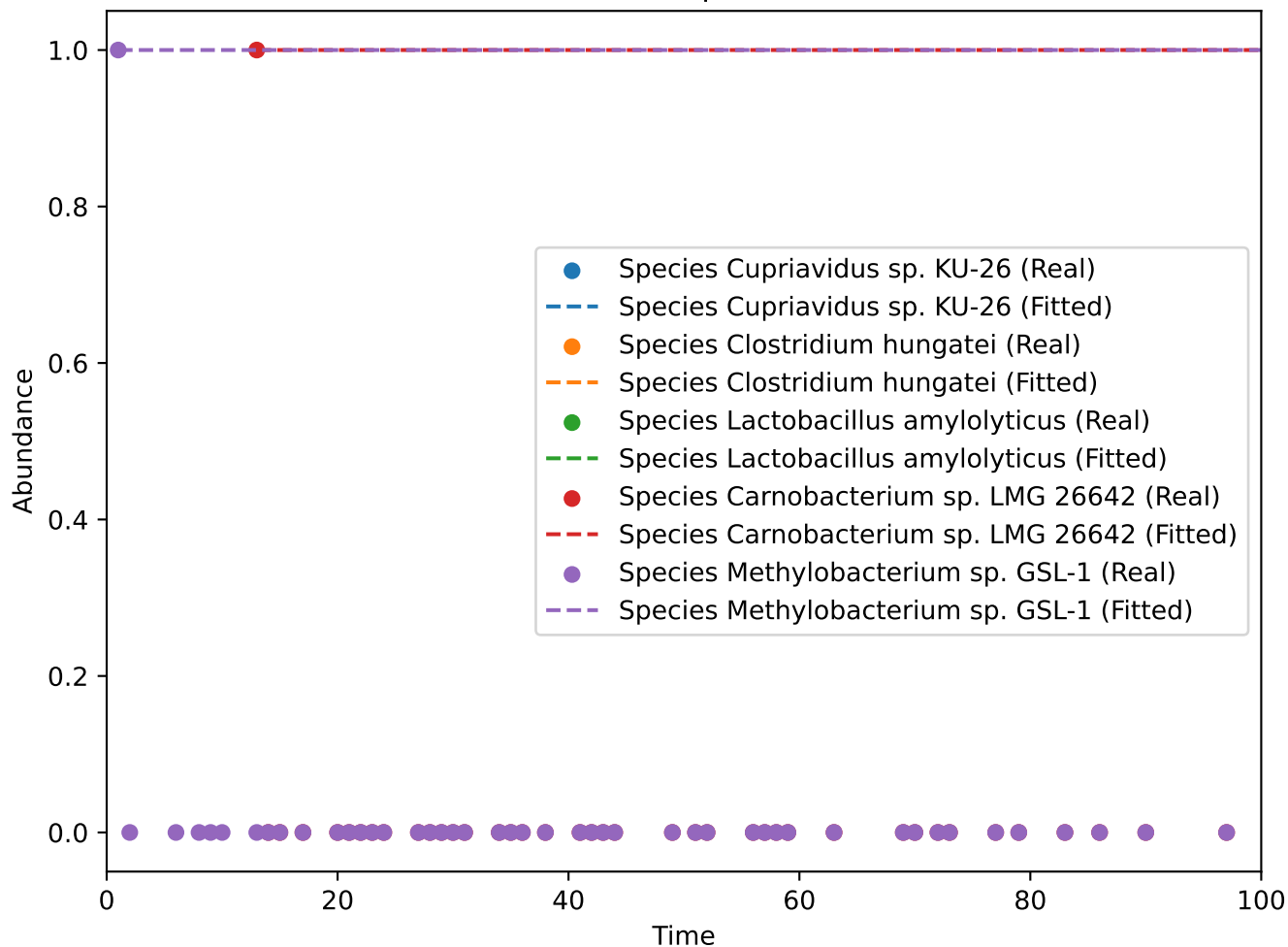
Mouse 8 - Species Fit



Mouse 8 - Species Fit



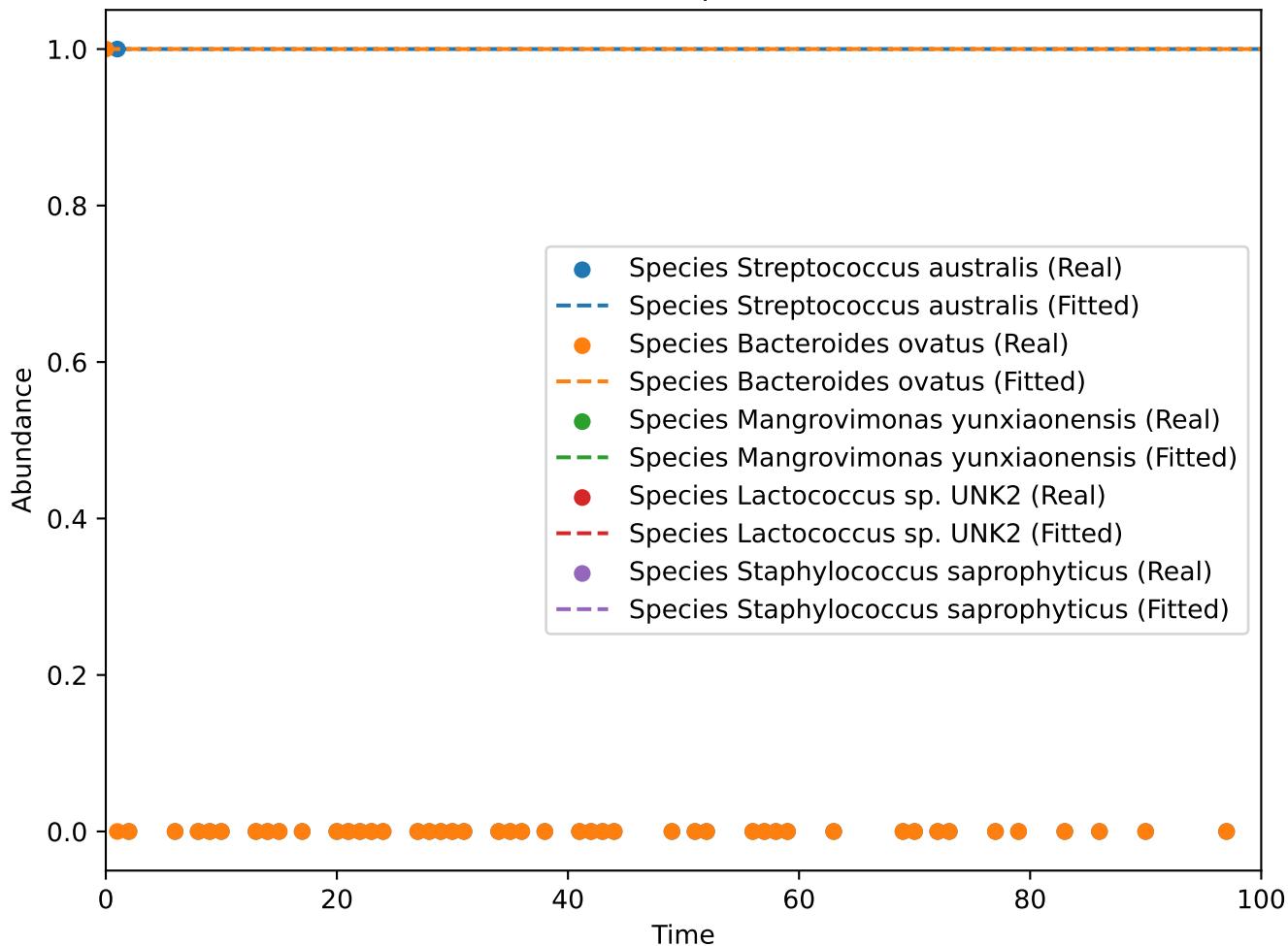
Mouse 8 - Species Fit

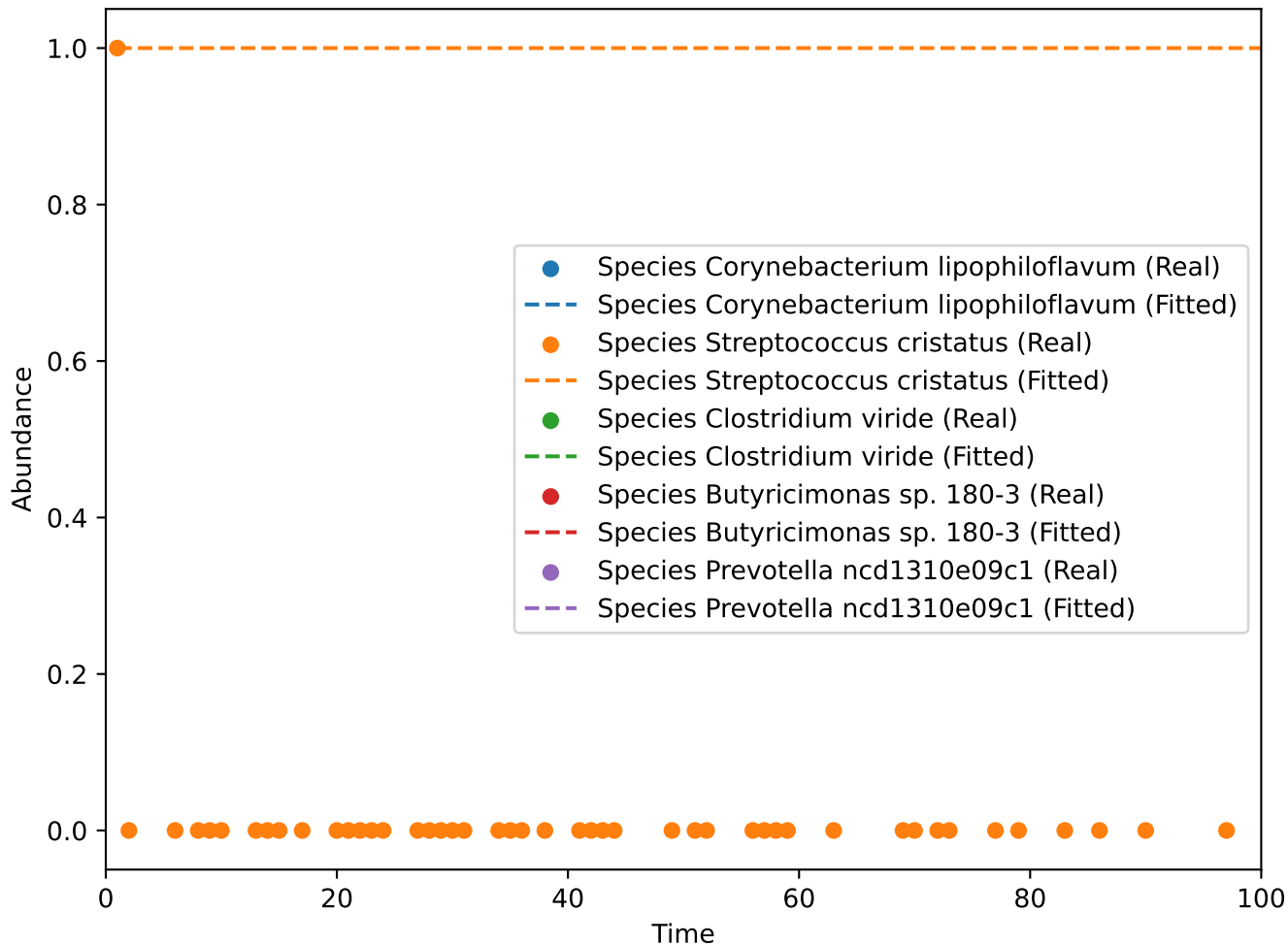


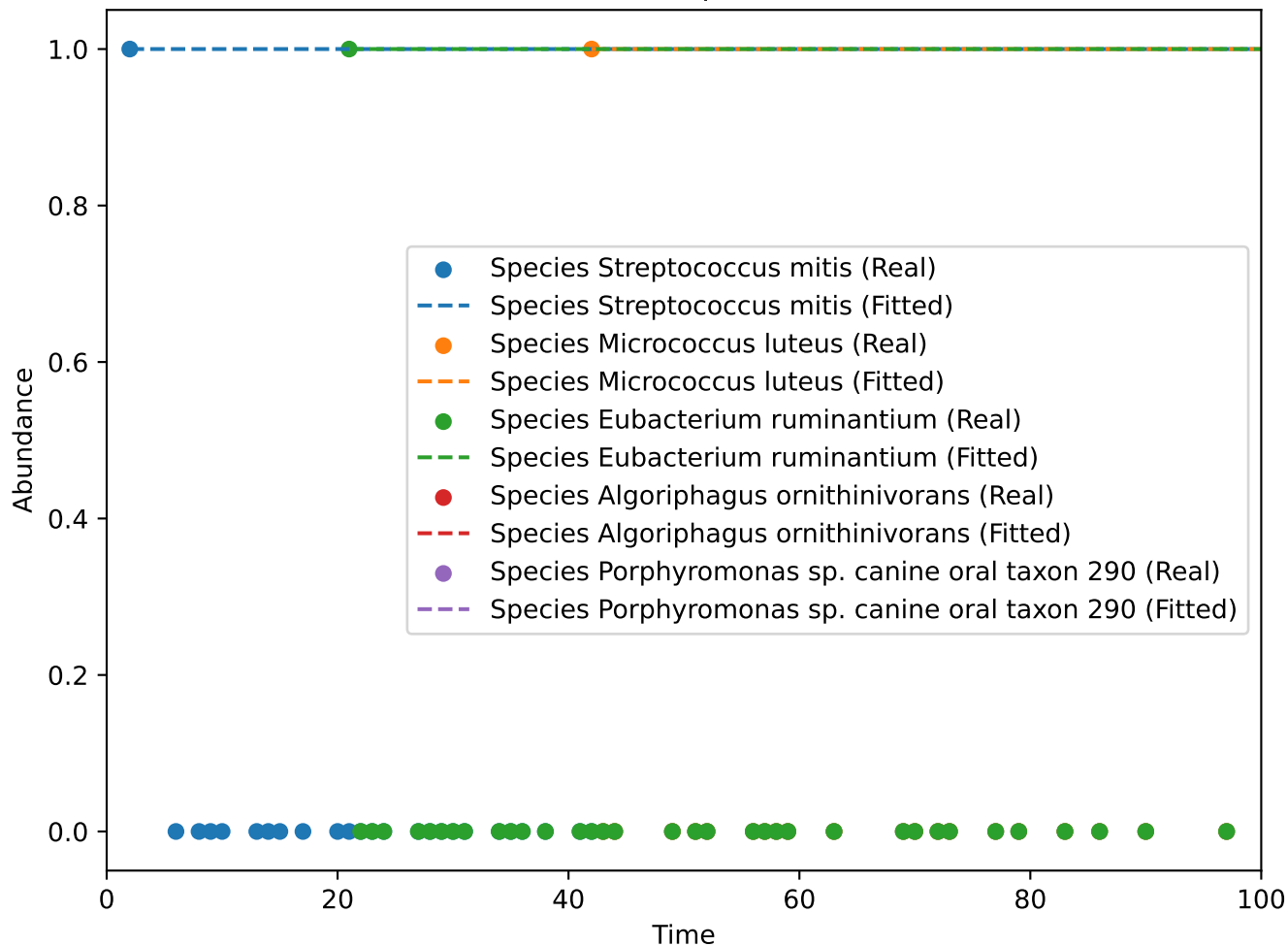
This scatter plot displays the number of reads for five bacterial species across 100 samples. The y-axis represents the 'Number of reads' (0 to 100), and the x-axis represents the 'Sample' (0 to 100). The legend identifies the data series:

- Species *Streptococcus australis* (Real): Blue dots at the top (100 reads).
- Species *Streptococcus australis* (Fitted): Blue dashed line at the top (100 reads).
- Species *Bacteroides ovatus* (Real): Orange dots at the bottom (0 reads).
- Species *Bacteroides ovatus* (Fitted): Orange dashed line at the bottom (0 reads).
- Species *Mangrovimonas yunxiaonensis* (Real): Green dots at the bottom (0 reads).
- Species *Mangrovimonas yunxiaonensis* (Fitted): Green dashed line at the bottom (0 reads).
- Species *Lactococcus* sp. UNK2 (Real): Red dots at the bottom (0 reads).
- Species *Lactococcus* sp. UNK2 (Fitted): Red dashed line at the bottom (0 reads).
- Species *Staphylococcus saprophyticus* (Real): Purple dots at the bottom (0 reads).
- Species *Staphylococcus saprophyticus* (Fitted): Purple dashed line at the bottom (0 reads).

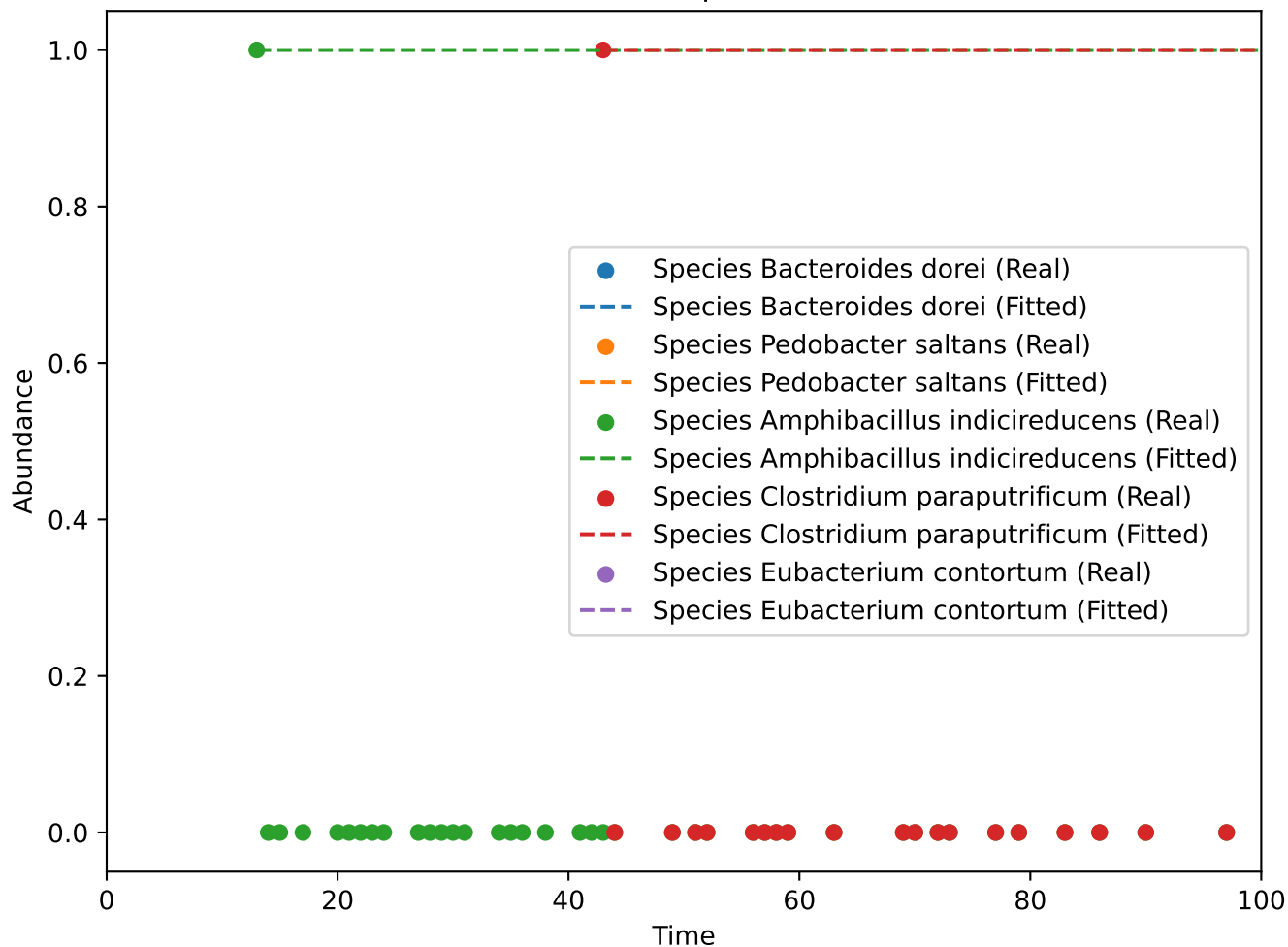
The plot shows that *Streptococcus australis* is the most abundant species, consistently having 100 reads per sample. The other four species (*Bacteroides ovatus*, *Mangrovimonas yunxiaonensis*, *Lactococcus* sp. UNK2, and *Staphylococcus saprophyticus*) have 0 reads per sample.







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)

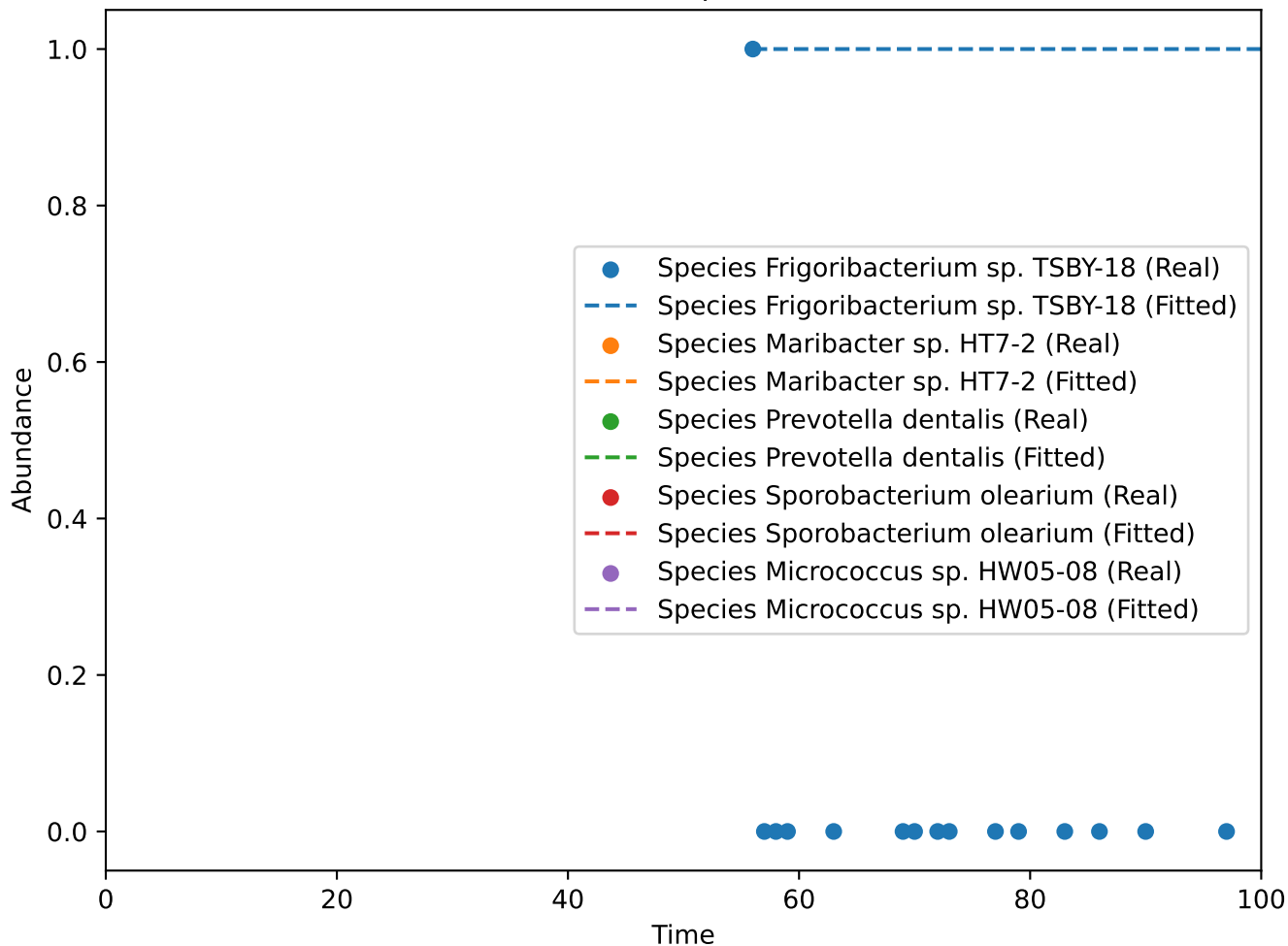
Species Prevotella dentalis (Fitted)

Species Sporobacterium olearium (Real)

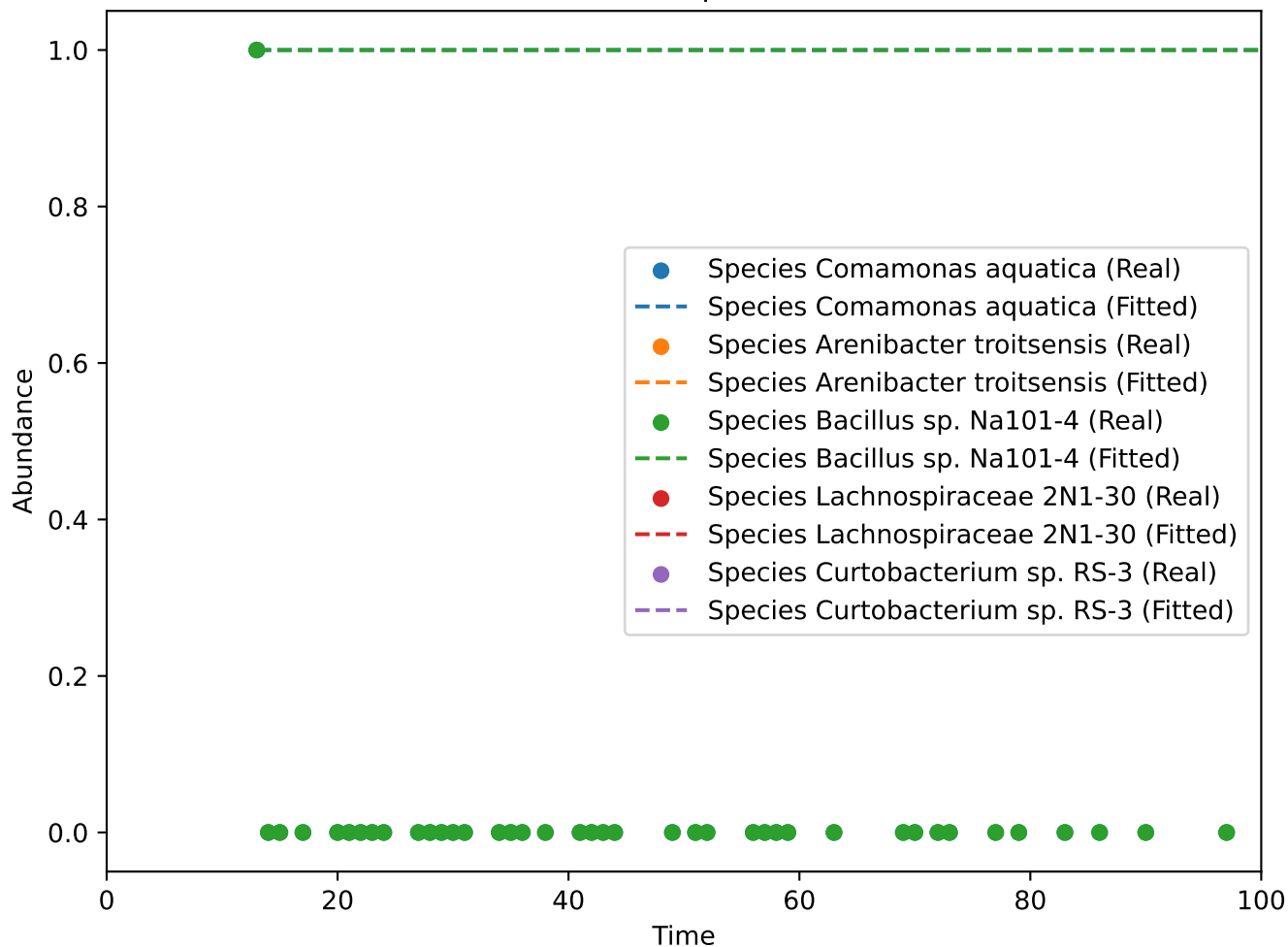
Species Sporobacterium olearium (Fitted)

Species Micrococcus sp. HW05-08 (Real)

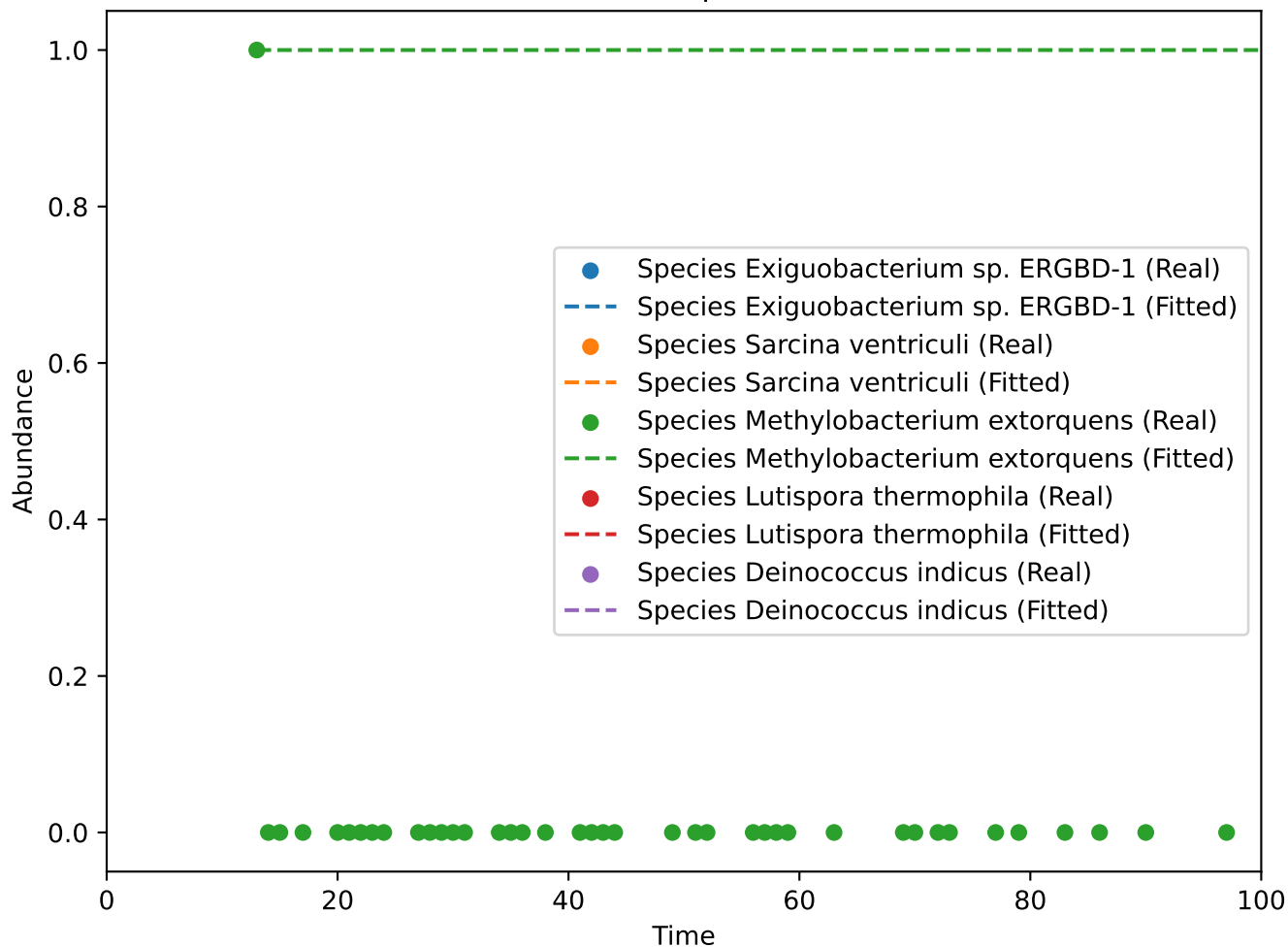
Species Micrococcus sp. HW05-08 (Fitted)



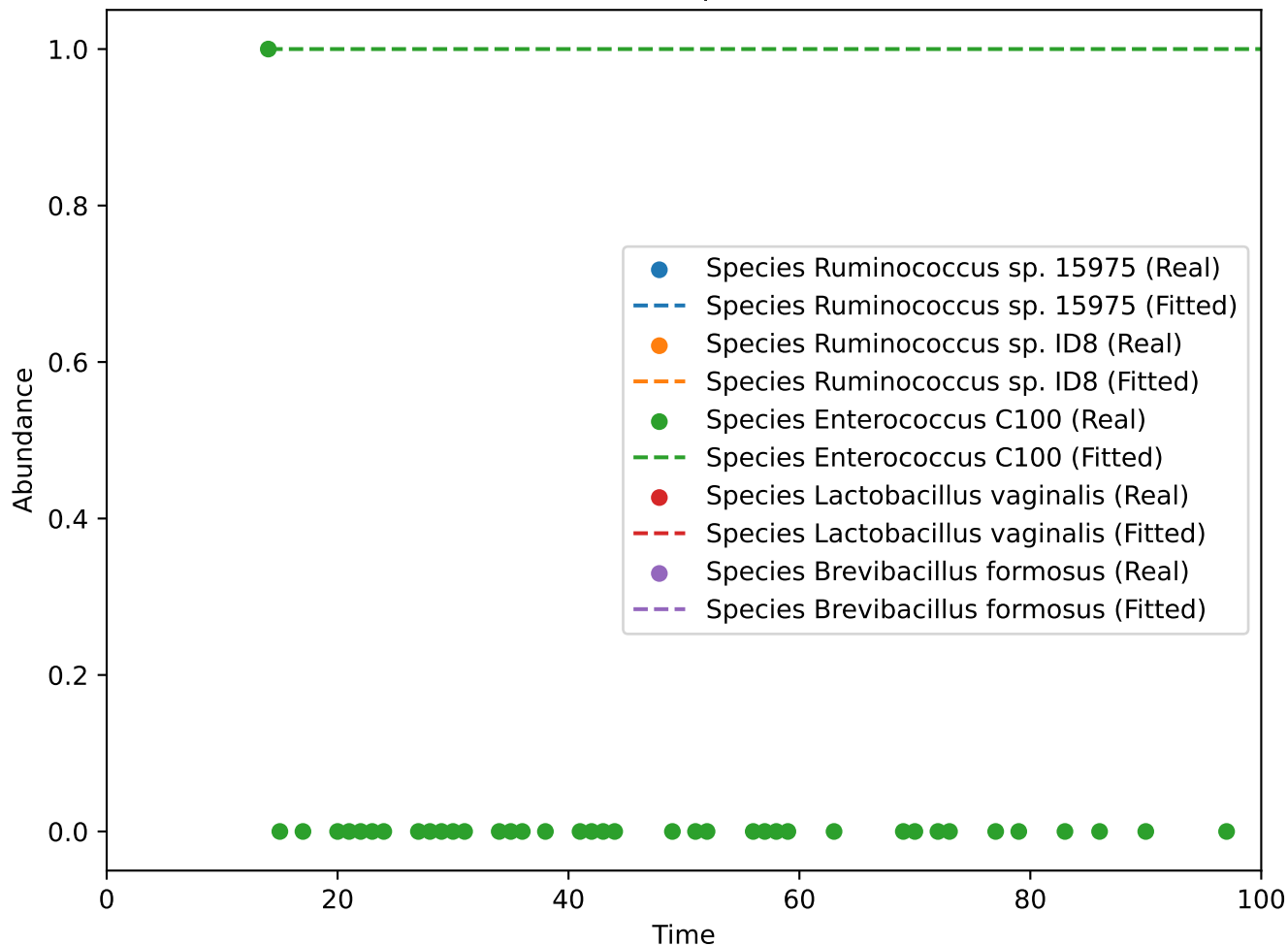
Mouse 8 - Species Fit



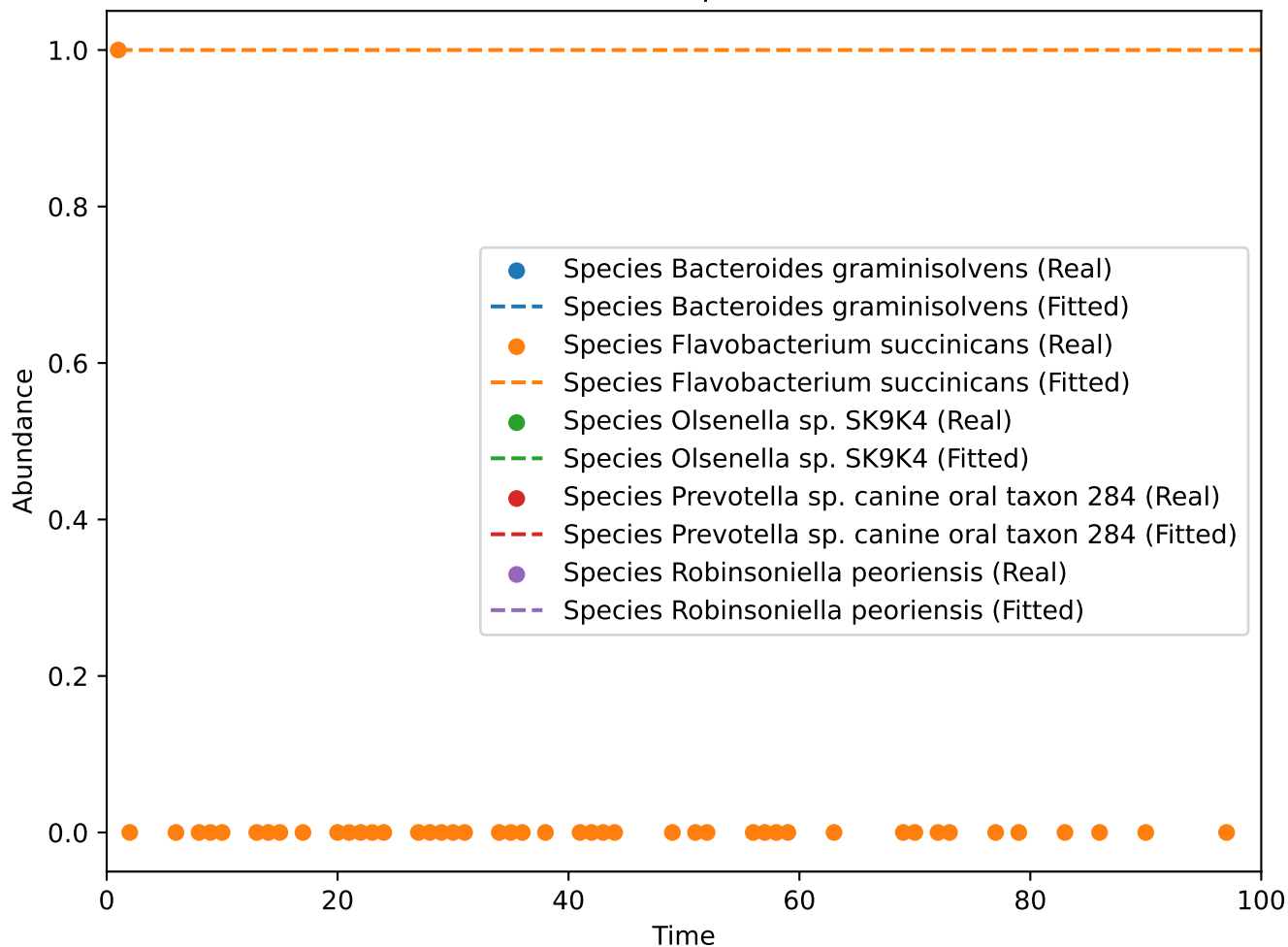
Mouse 8 - Species Fit



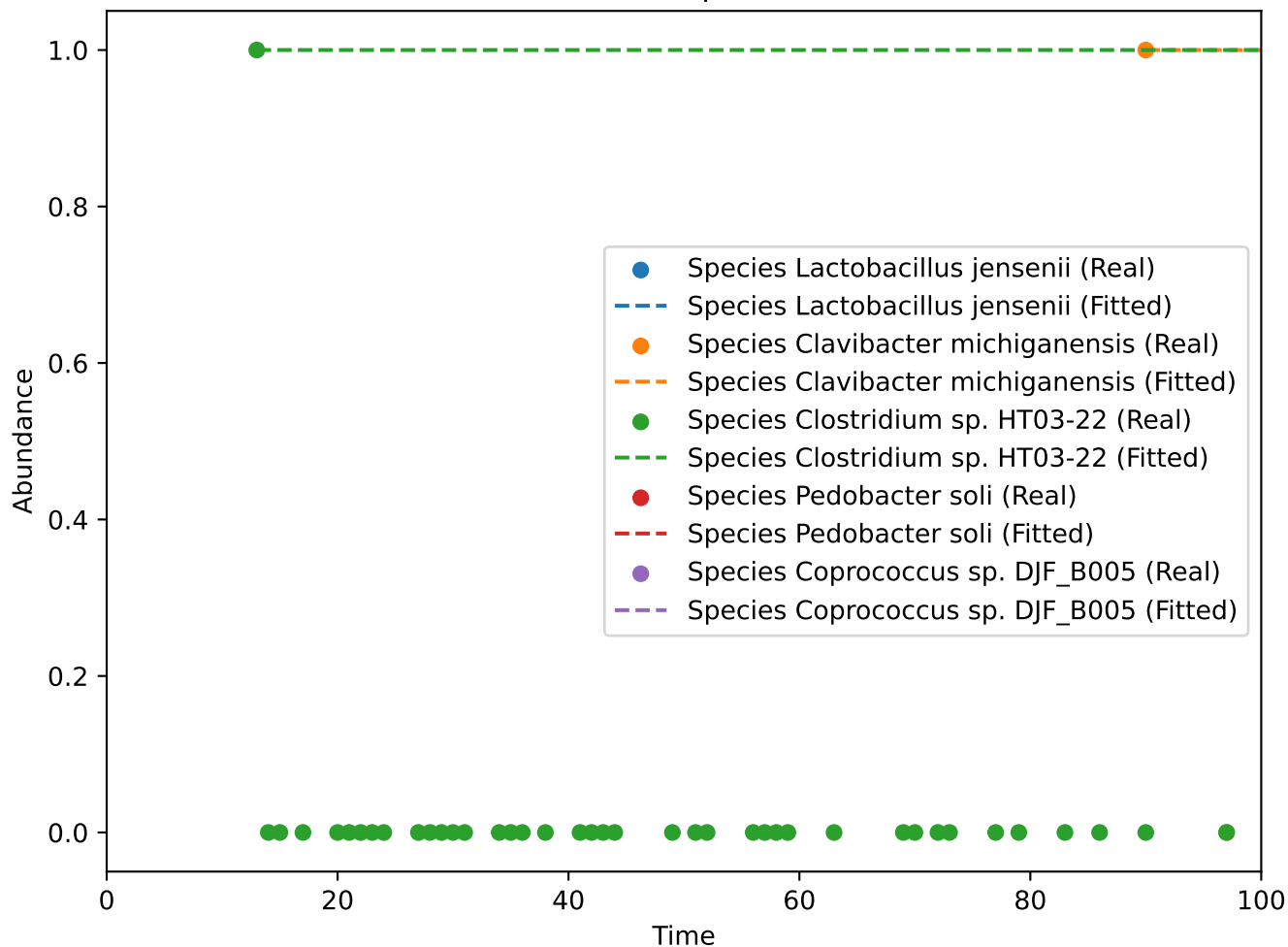
Mouse 8 - Species Fit



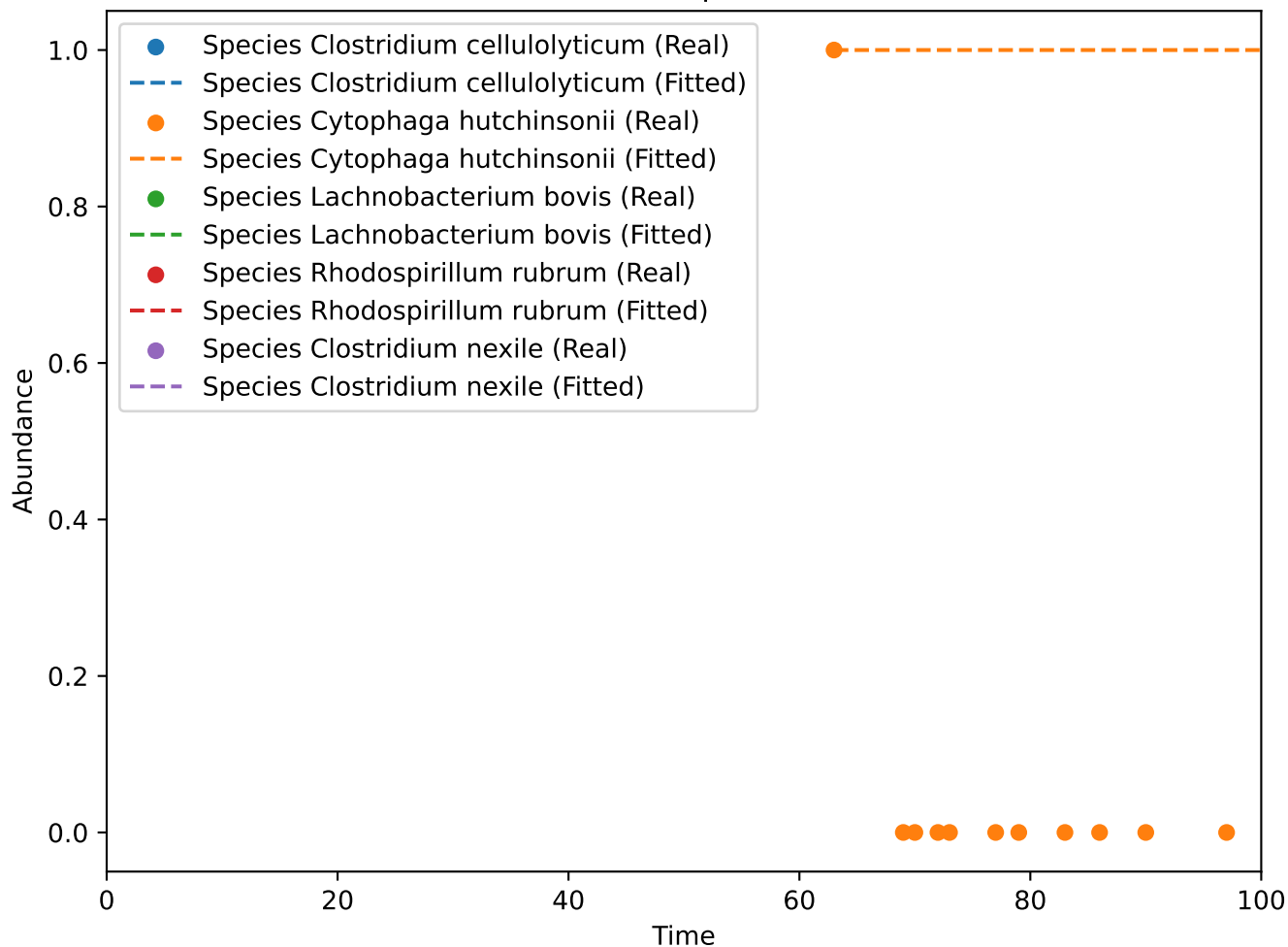
Mouse 8 - Species Fit

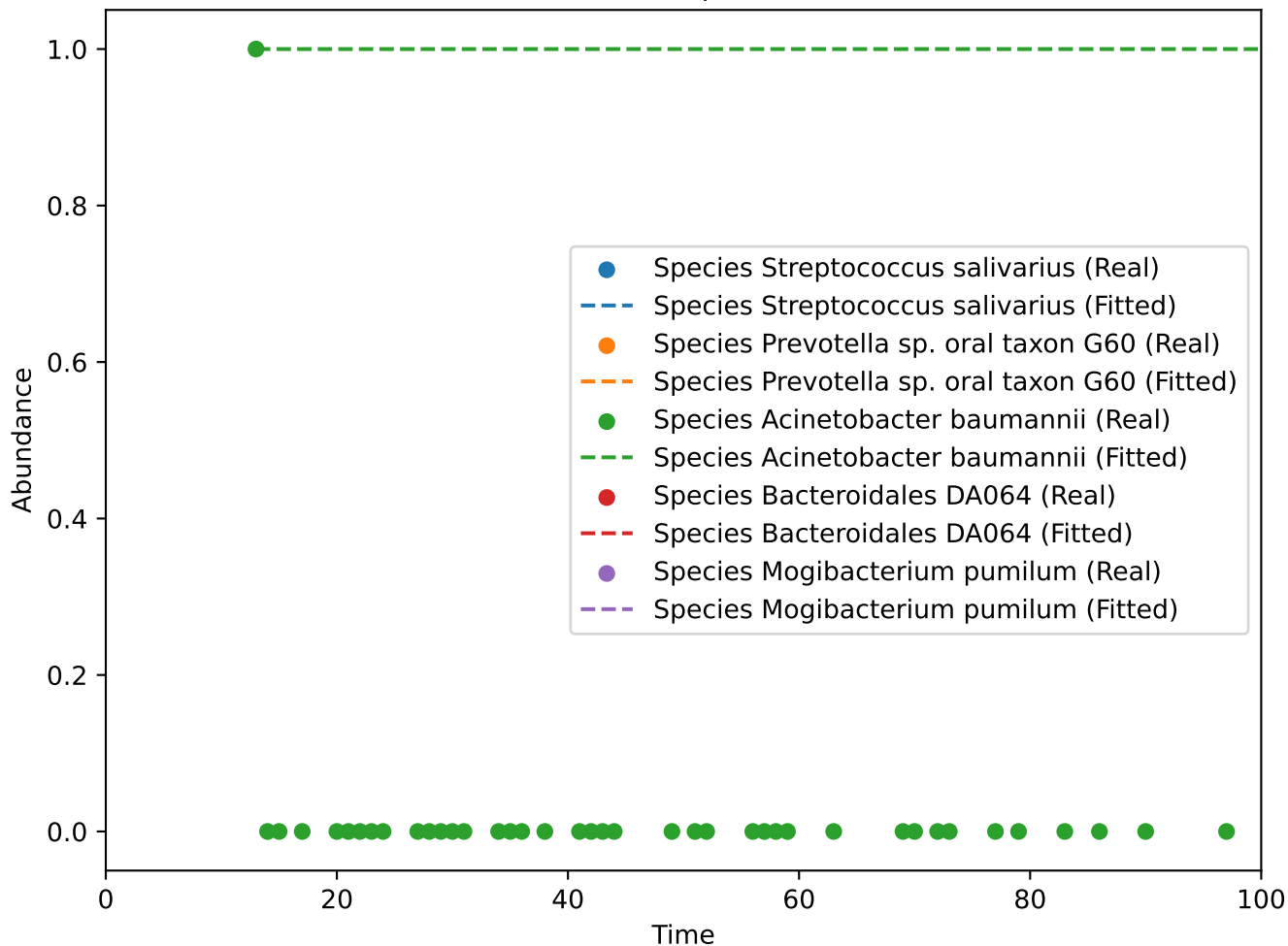


Mouse 8 - Species Fit

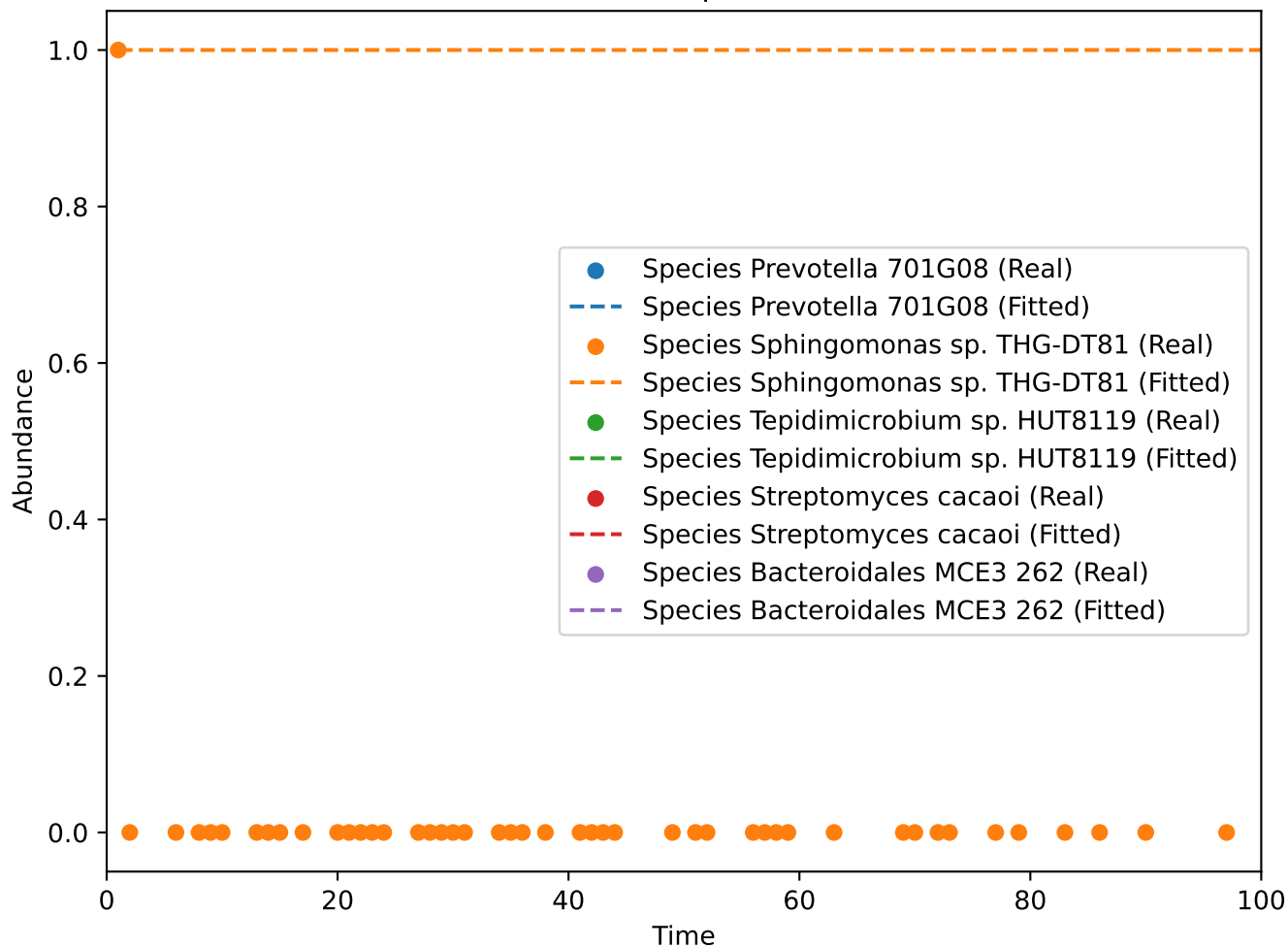


Mouse 8 - Species Fit

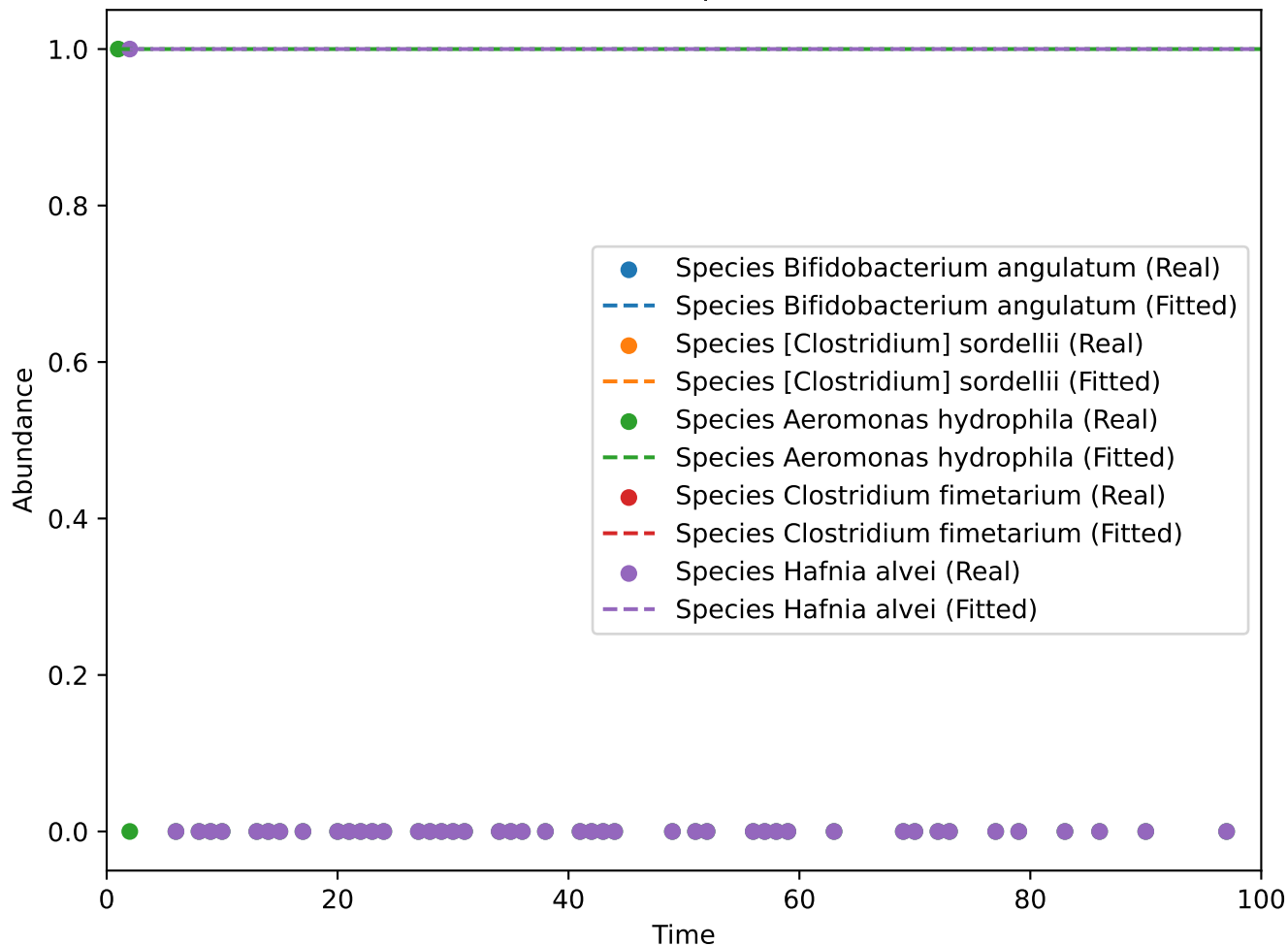




Mouse 8 - Species Fit



Mouse 8 - Species Fit



Species Desulfonatronum thiodismutans (Real)

Species Desulfonatronum thiodismutans (Fitted)

Species Alkaliphilus oremlandii (Real)

Species Alkaliphilus oremlandii (Fitted)

Species Methylobacterium sp. 189 (Real)

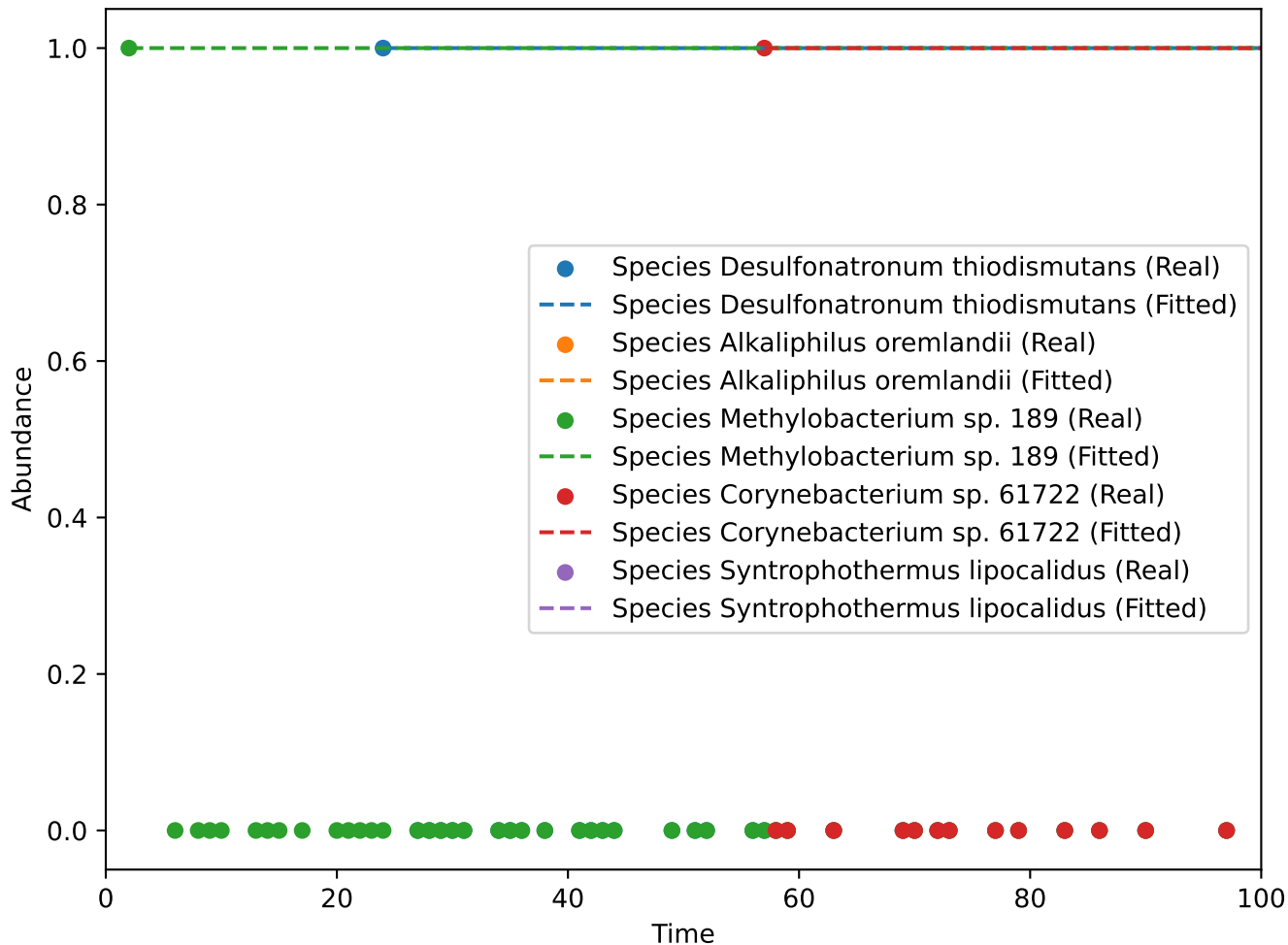
Species Methylobacterium sp. 189 (Fitted)

Species Corynebacterium sp. 61722 (Real)

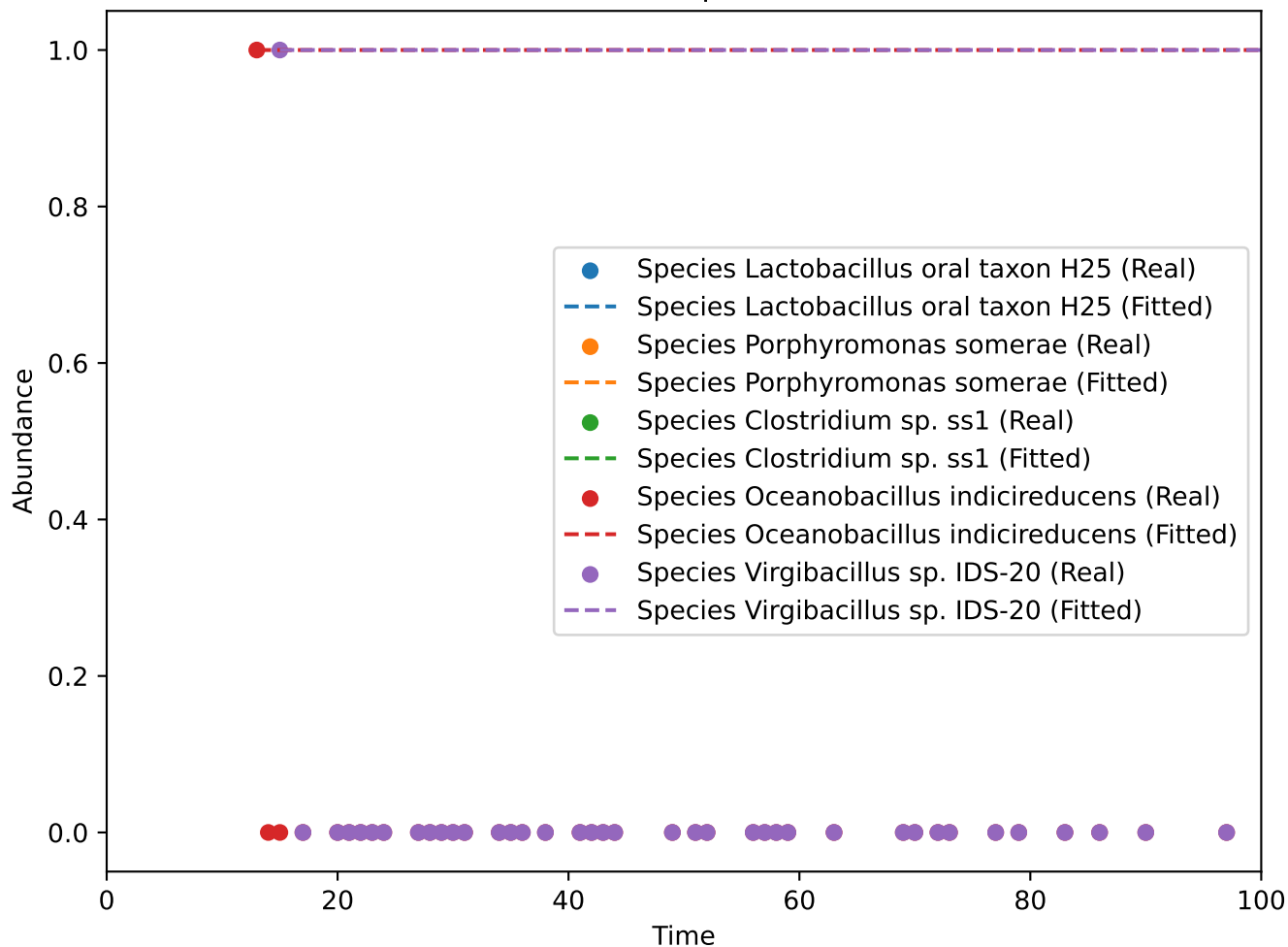
Species Corynebacterium sp. 61722 (Fitted)

Species Syntrophothermus lipocalidus (Real)

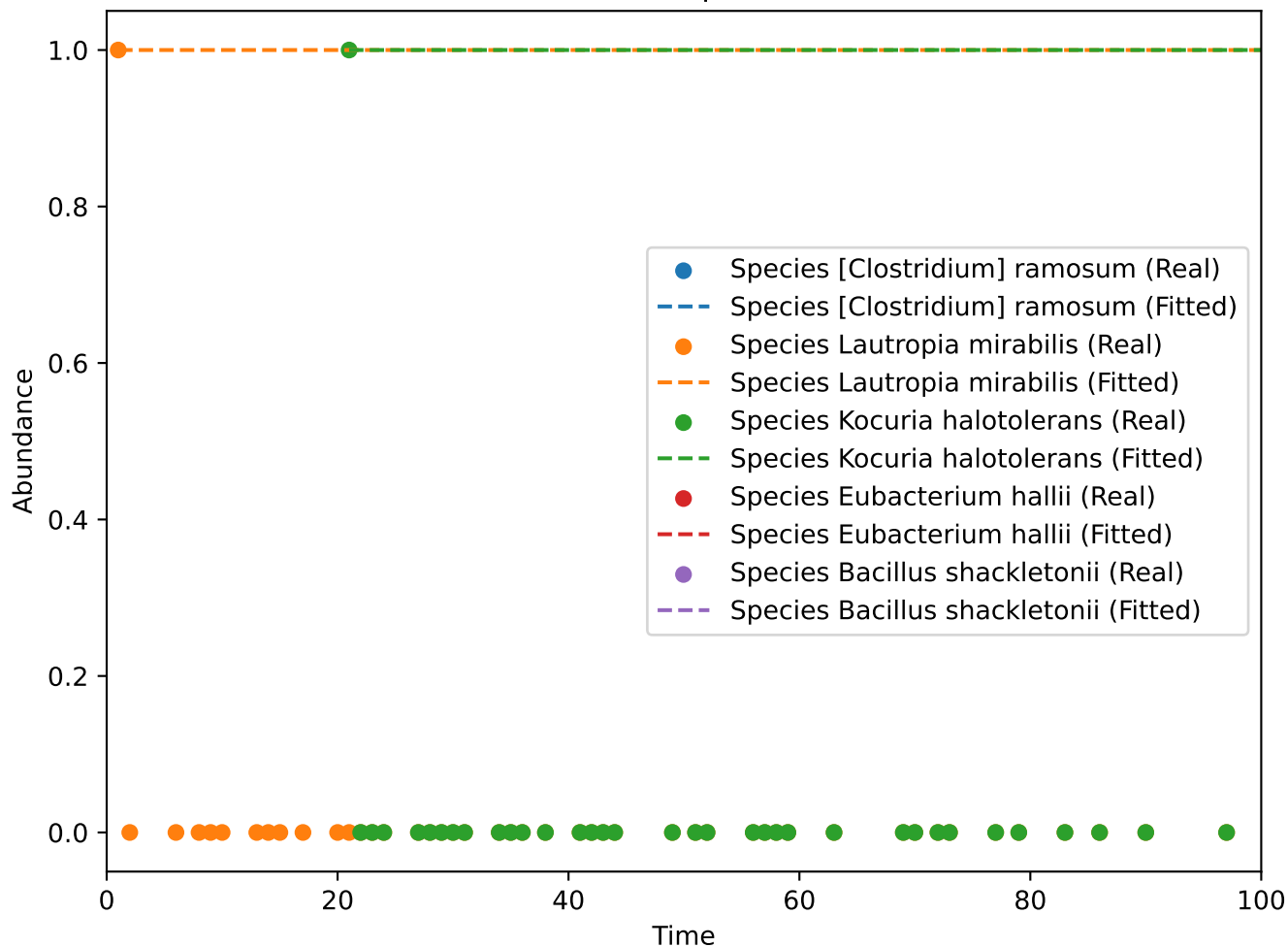
Species Syntrophothermus lipocalidus (Fitted)

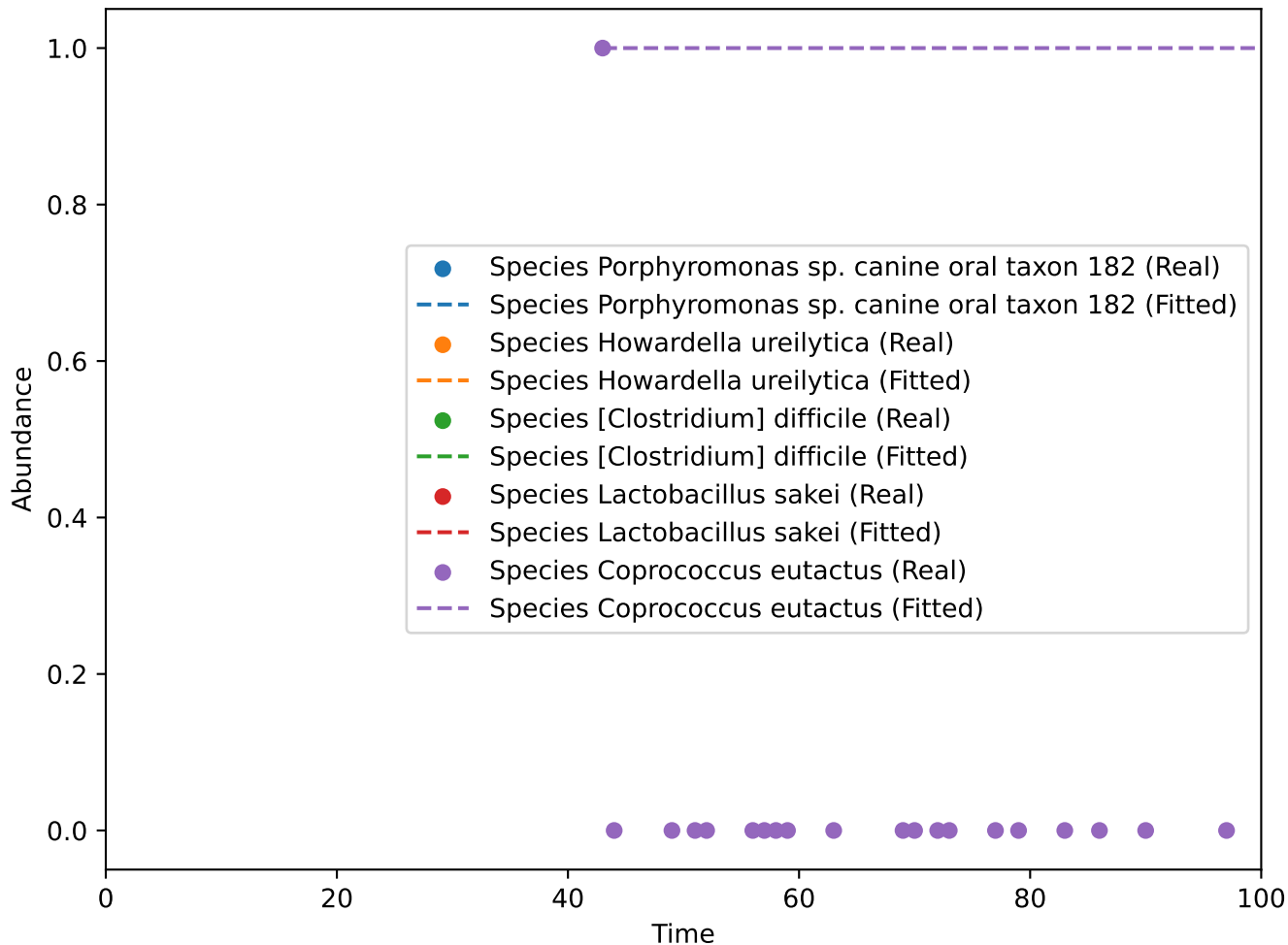


Mouse 8 - Species Fit

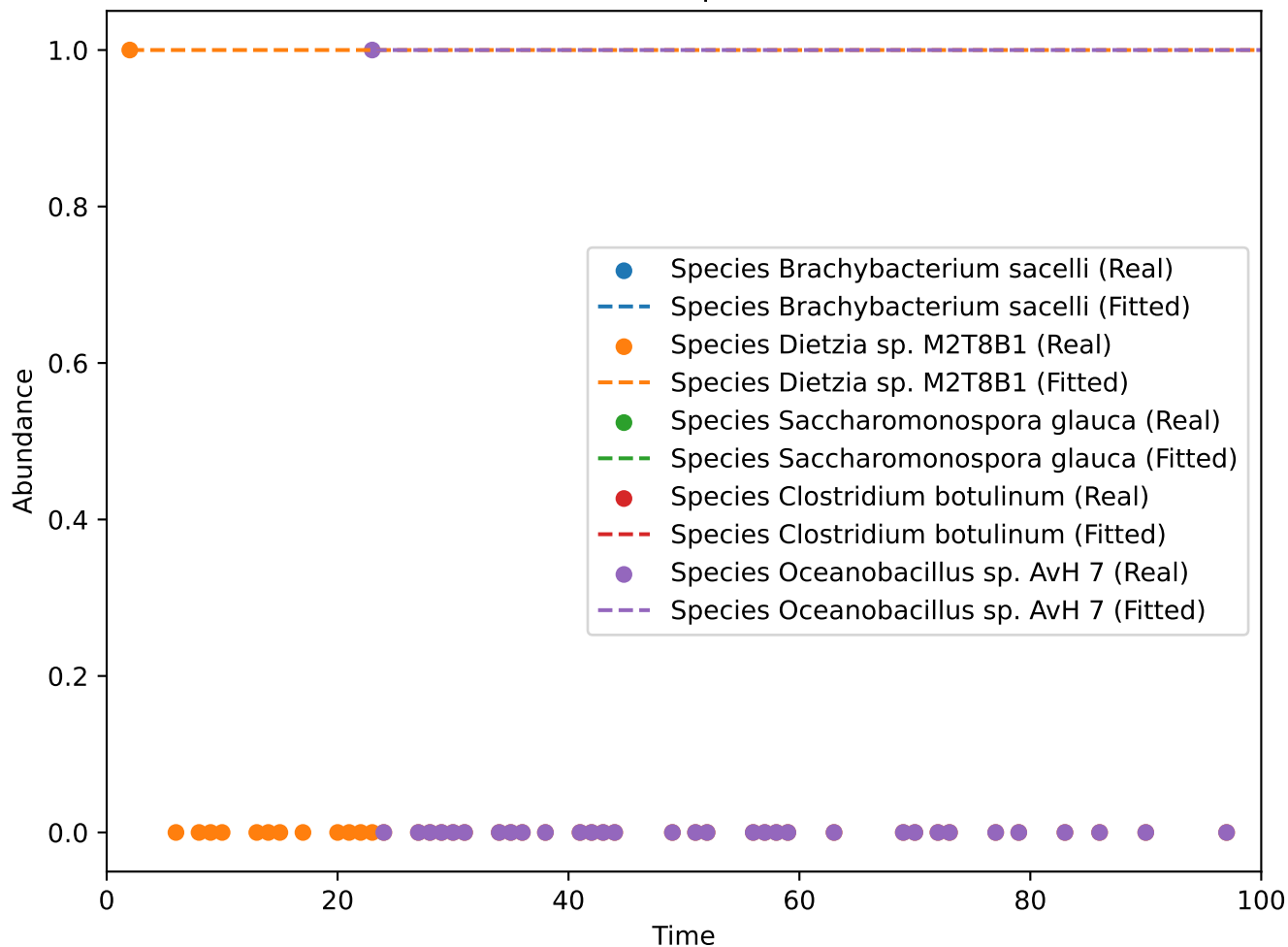


Mouse 8 - Species Fit

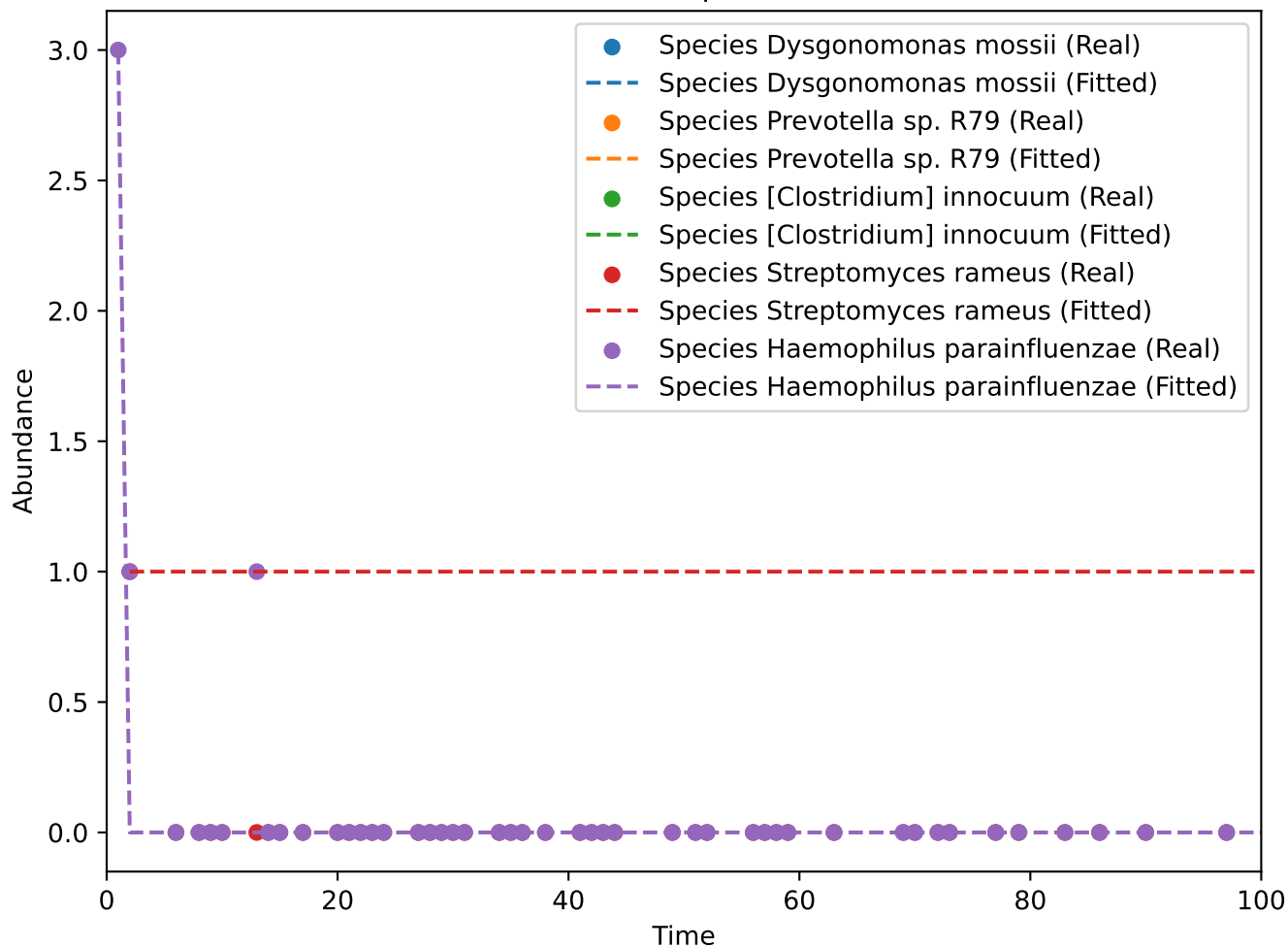




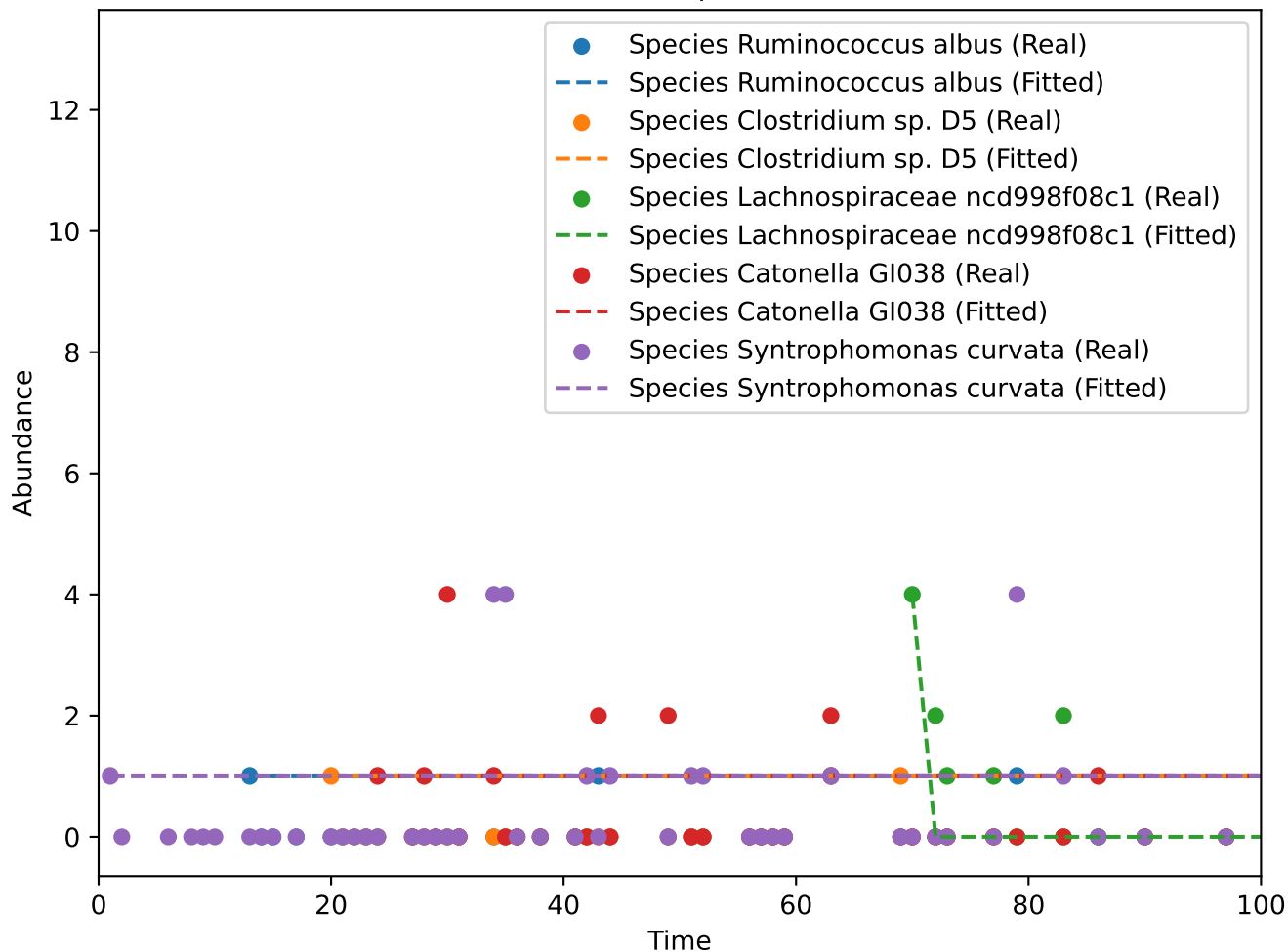
Mouse 8 - Species Fit



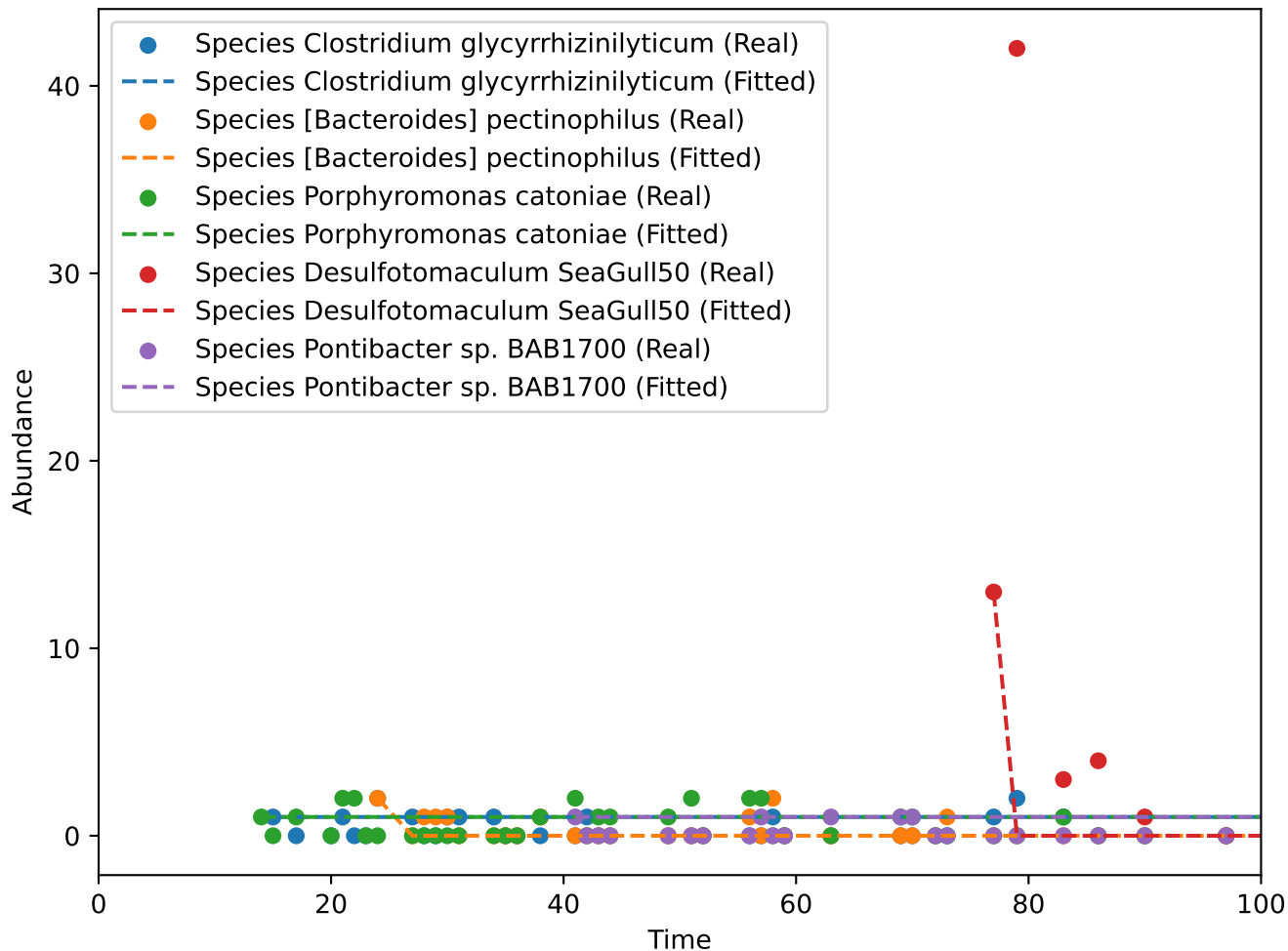
Mouse 8 - Species Fit



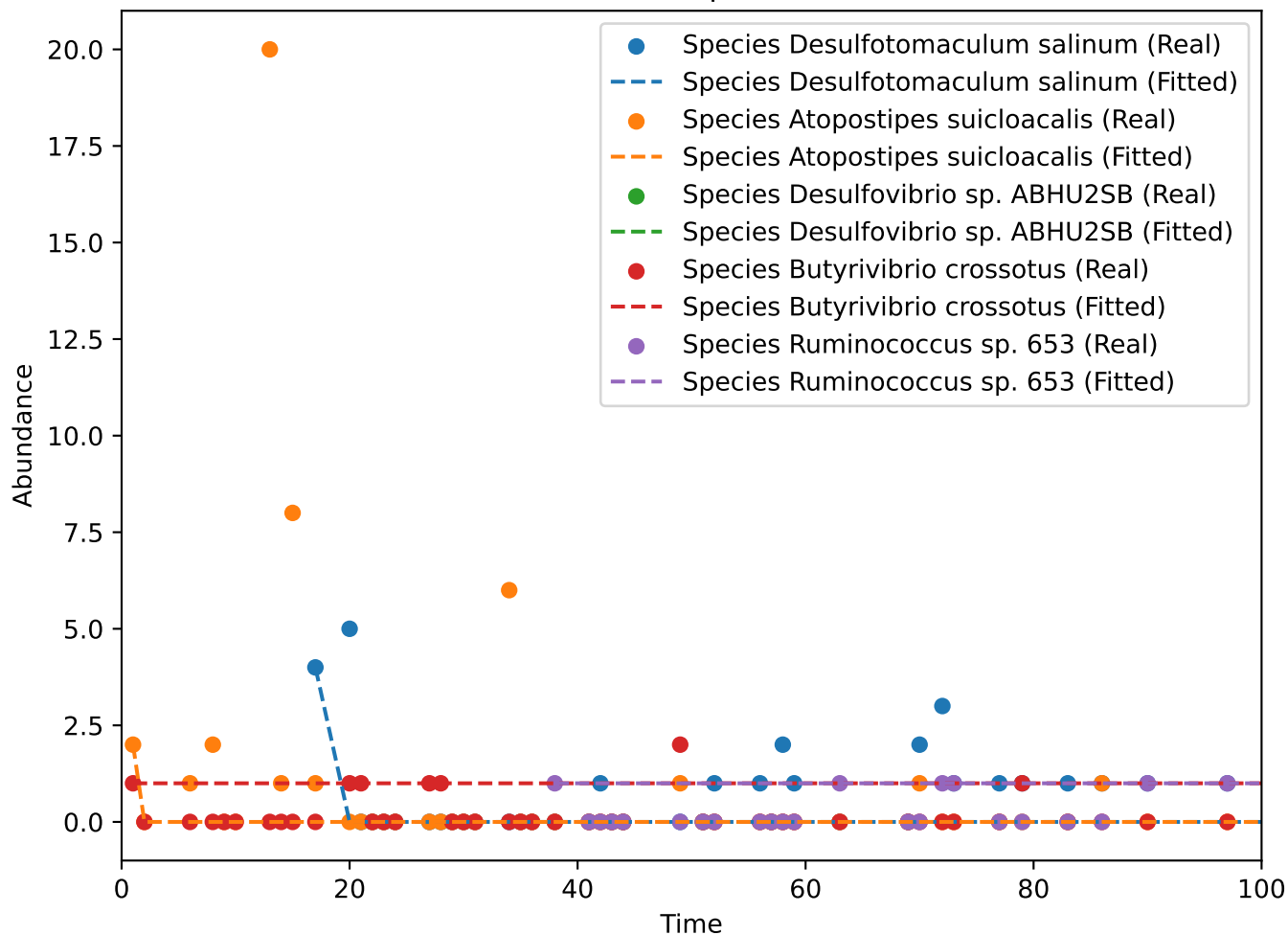
Mouse 8 - Species Fit



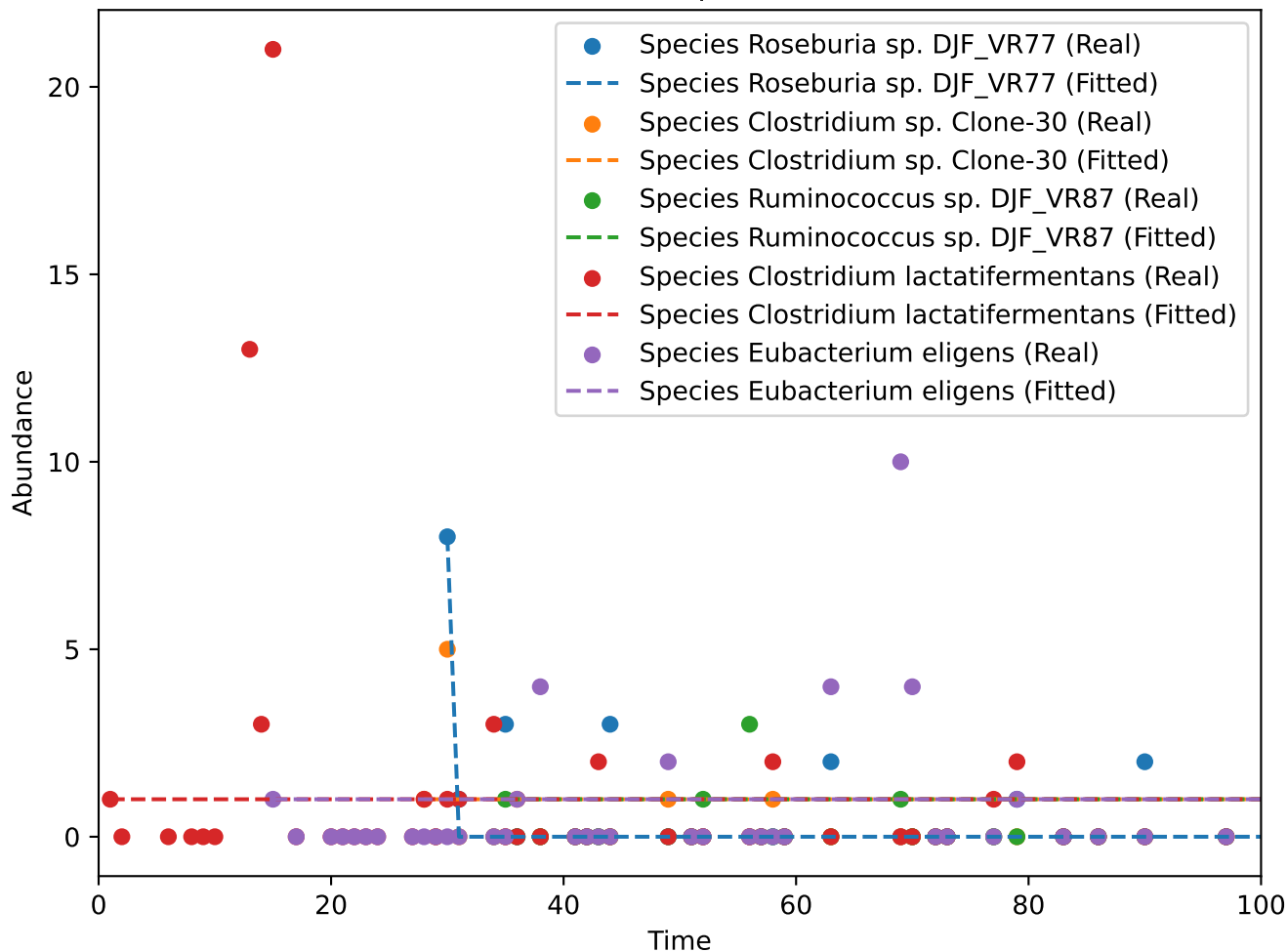
- Species *Clostridium glycyrrhizinilyticum* (Real)
- Species *Clostridium glycyrrhizinilyticum* (Fitted)
- Species *[Bacteroides] pectinophilus* (Real)
- Species *[Bacteroides] pectinophilus* (Fitted)
- Species *Porphyromonas catoniae* (Real)
- Species *Porphyromonas catoniae* (Fitted)
- Species *Desulfotomaculum*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



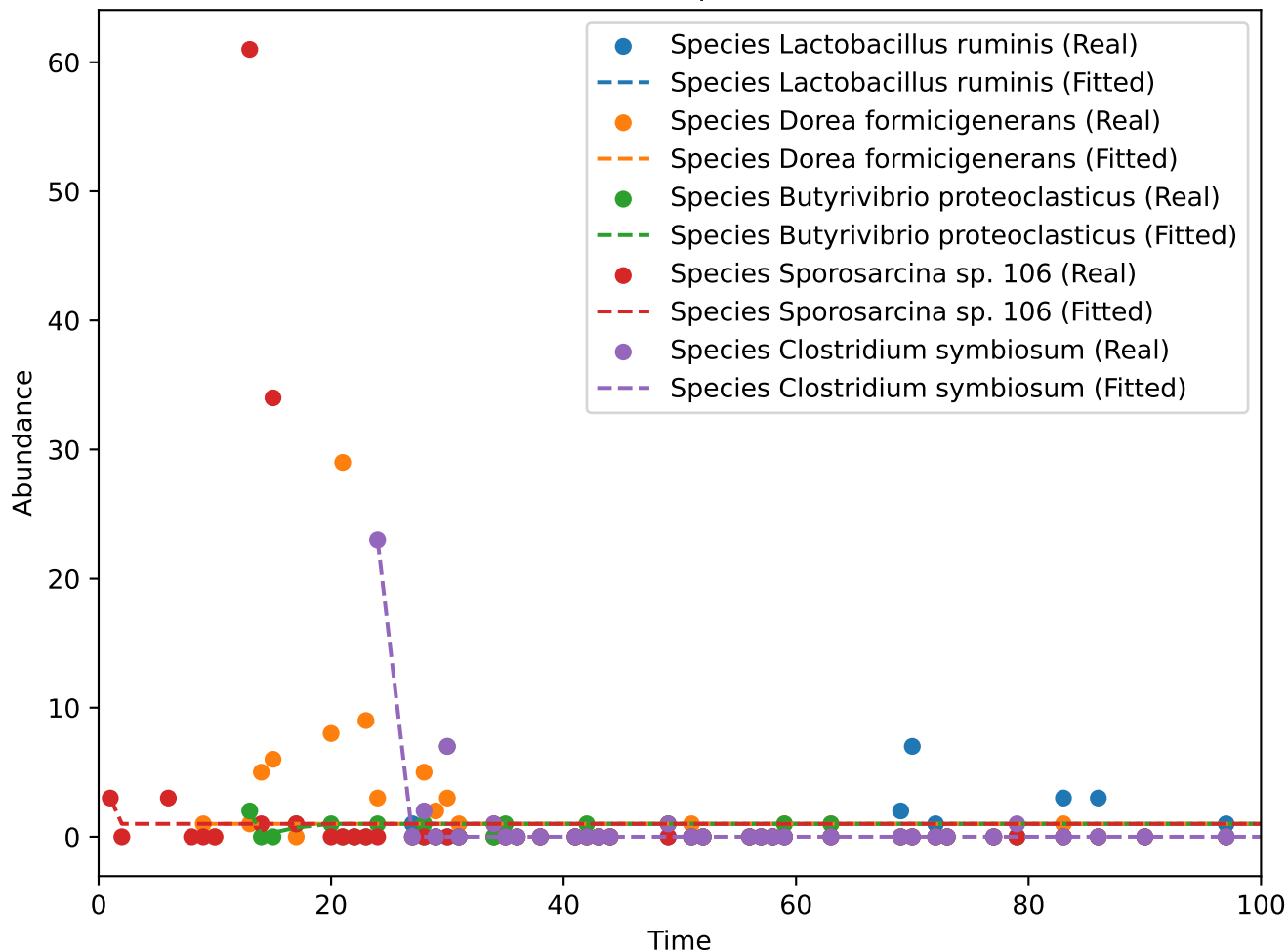
Mouse 8 - Species Fit



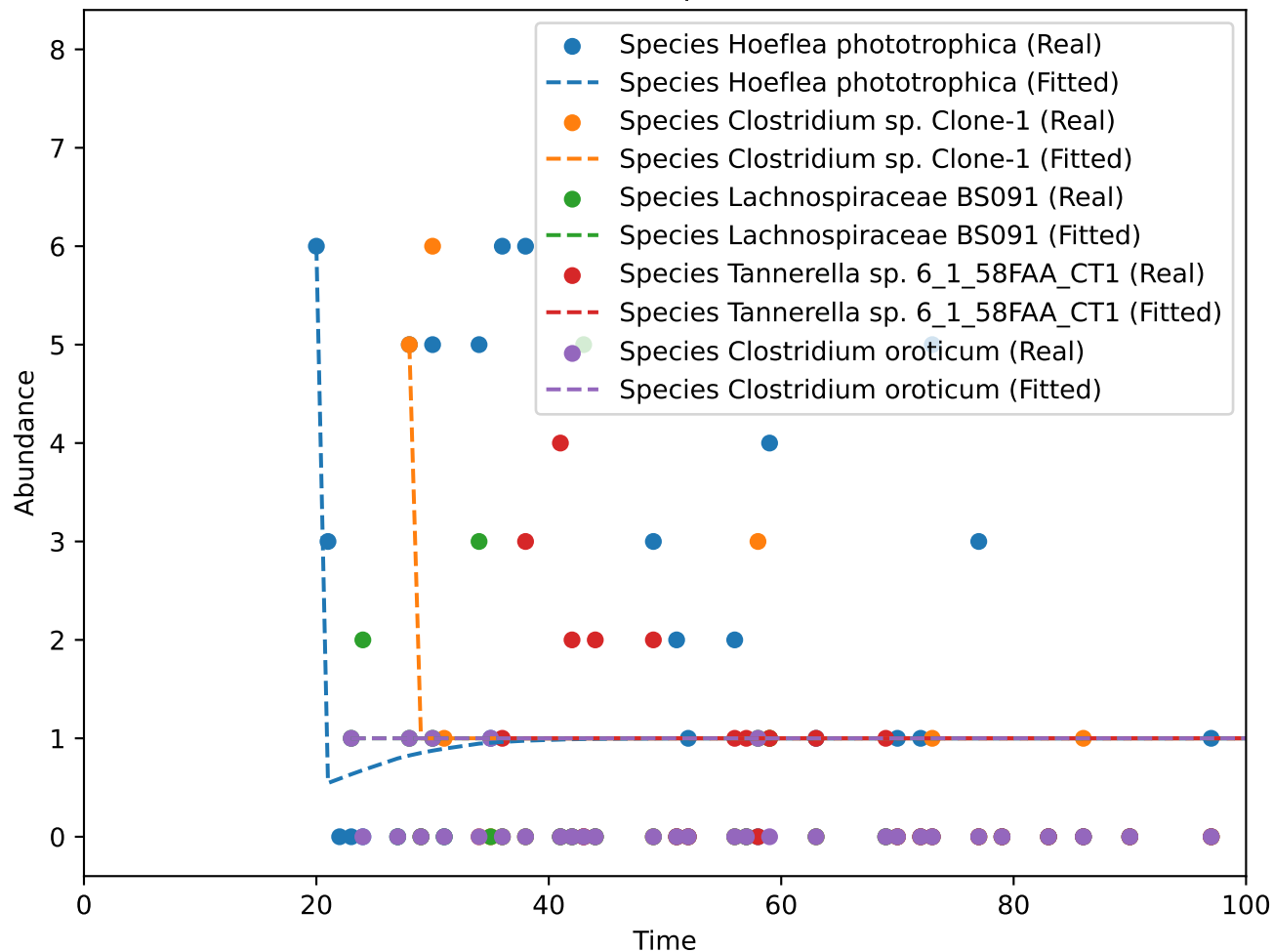
Mouse 8 - Species Fit



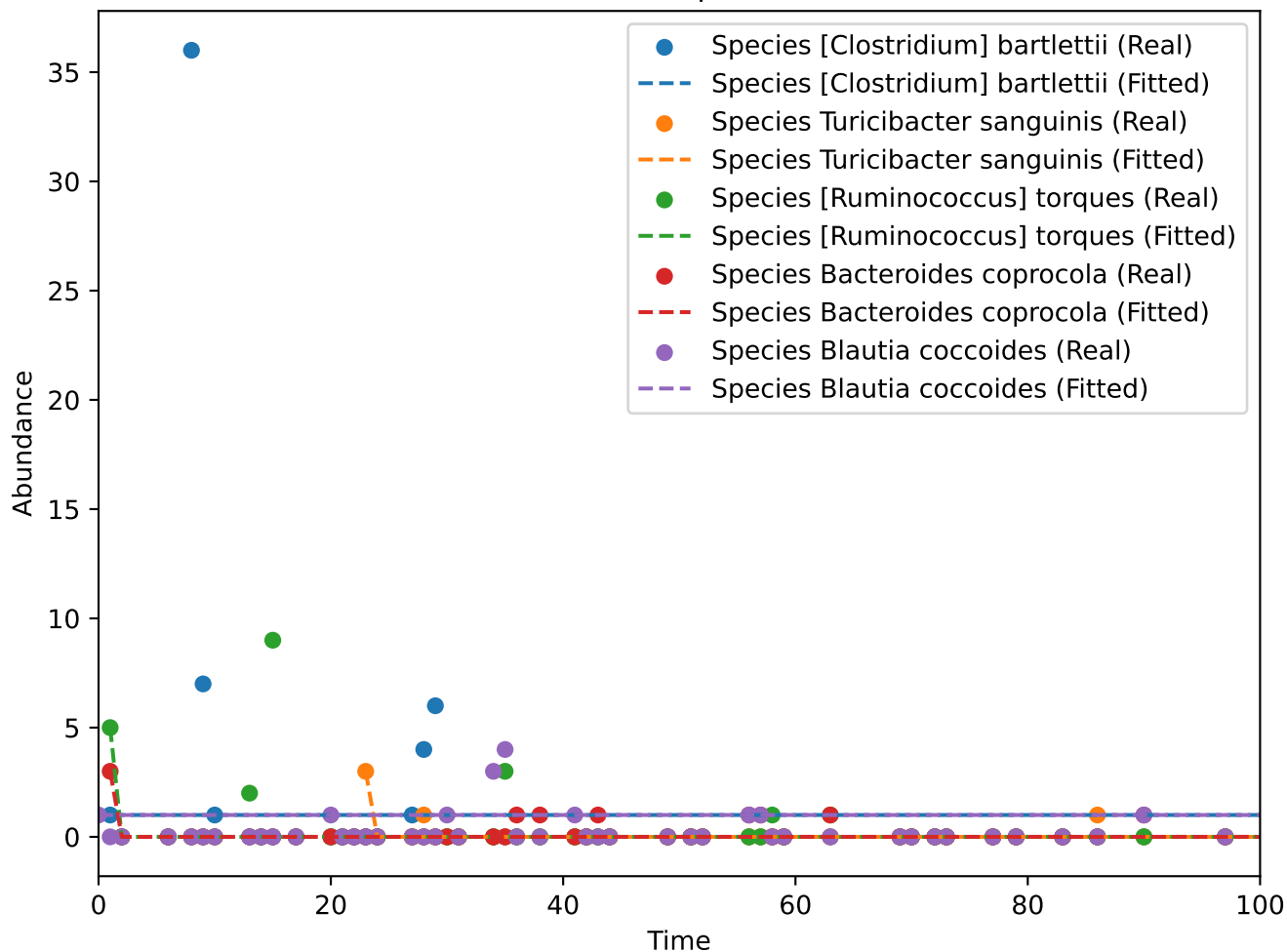
Mouse 8 - Species Fit



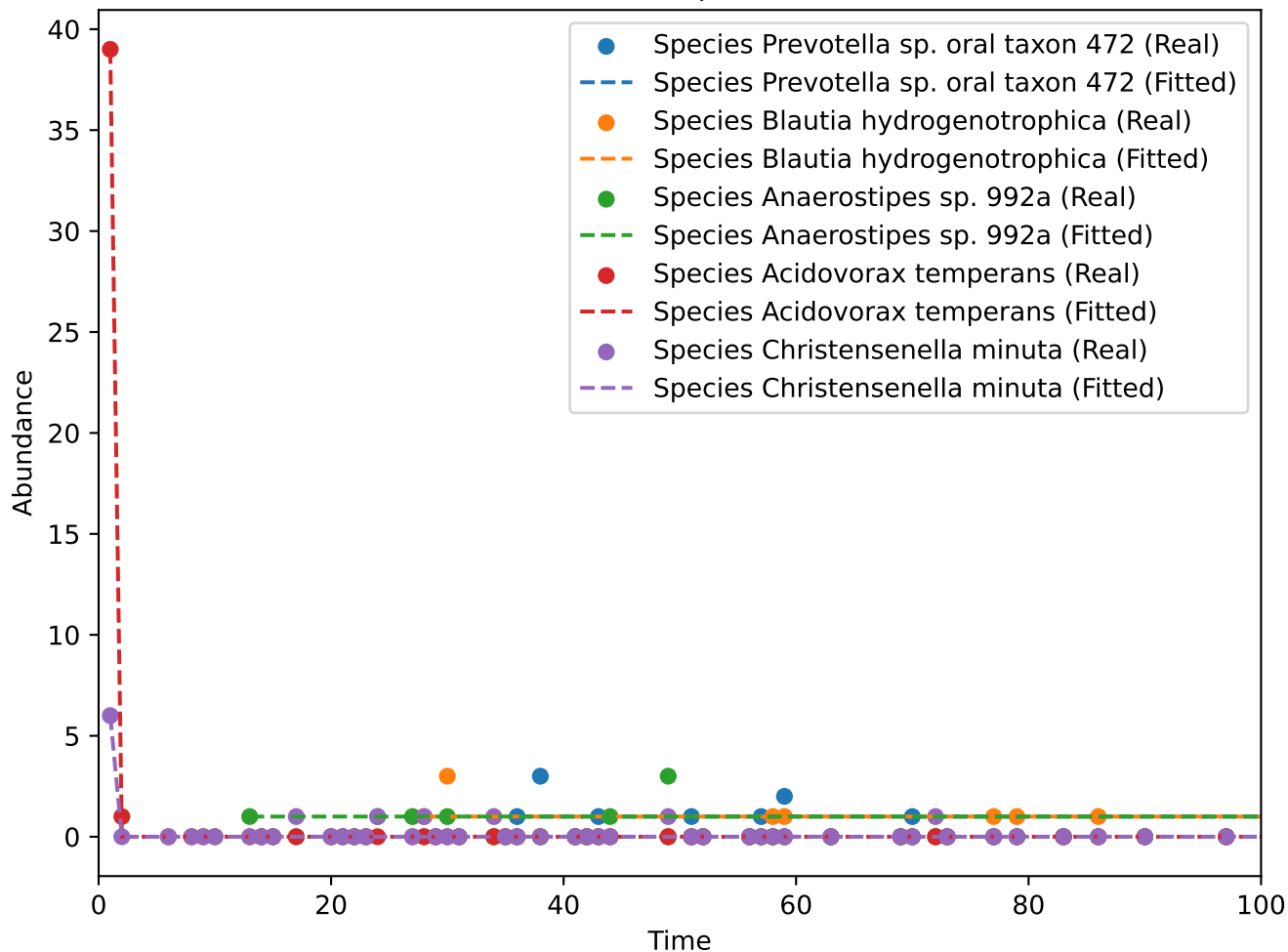
Mouse 8 - Species Fit



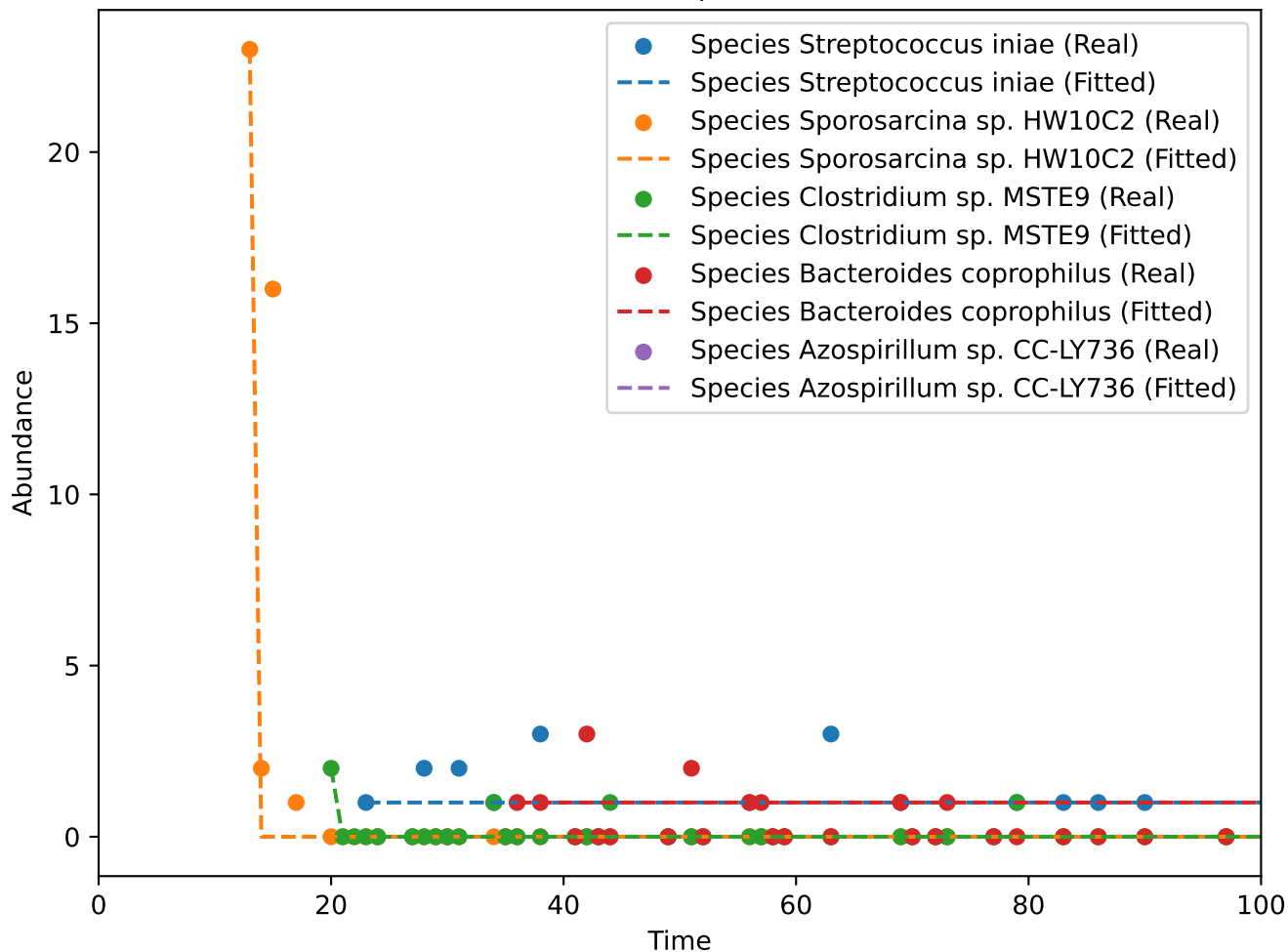
Mouse 8 - Species Fit

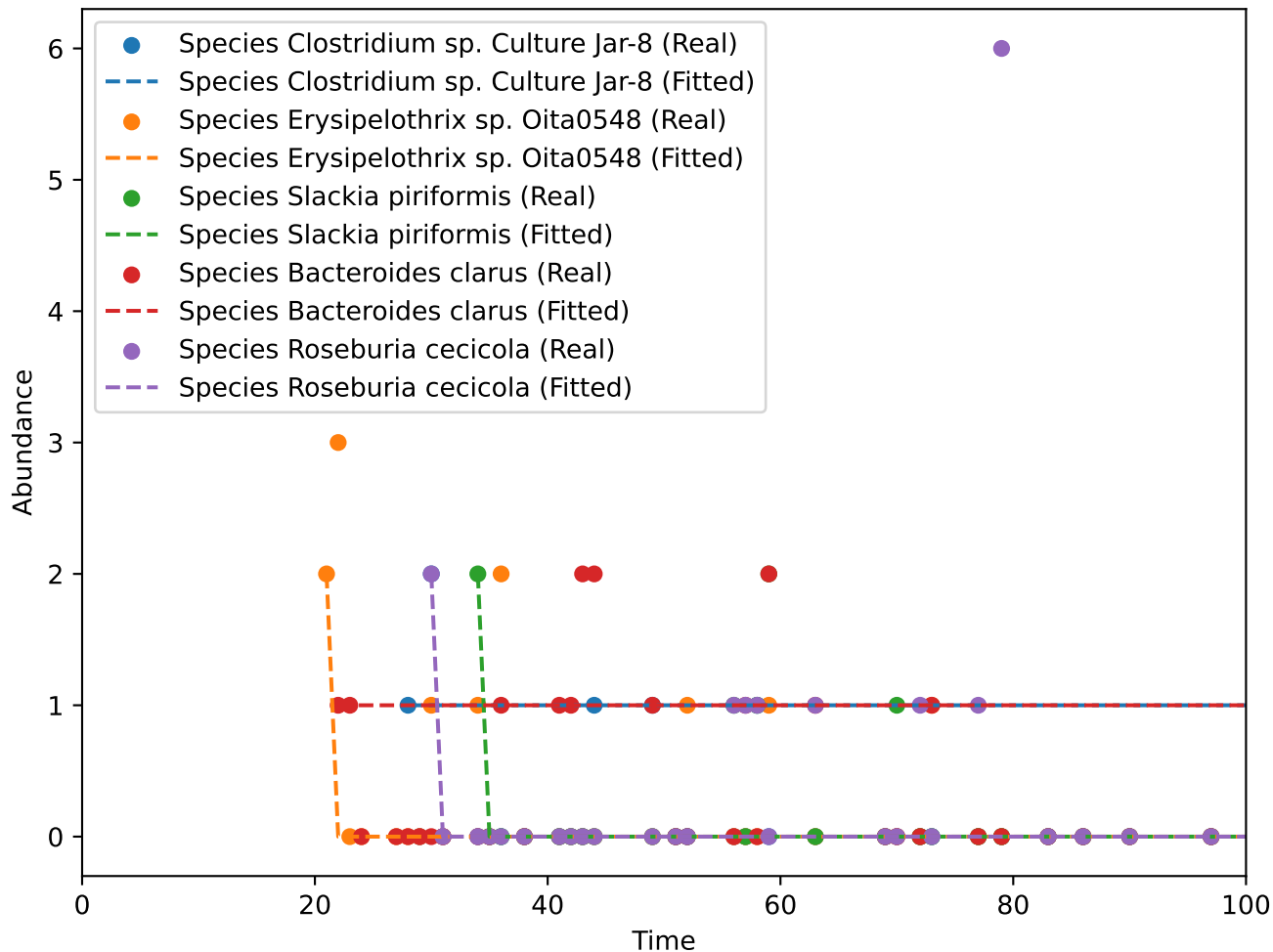


Mouse 8 - Species Fit

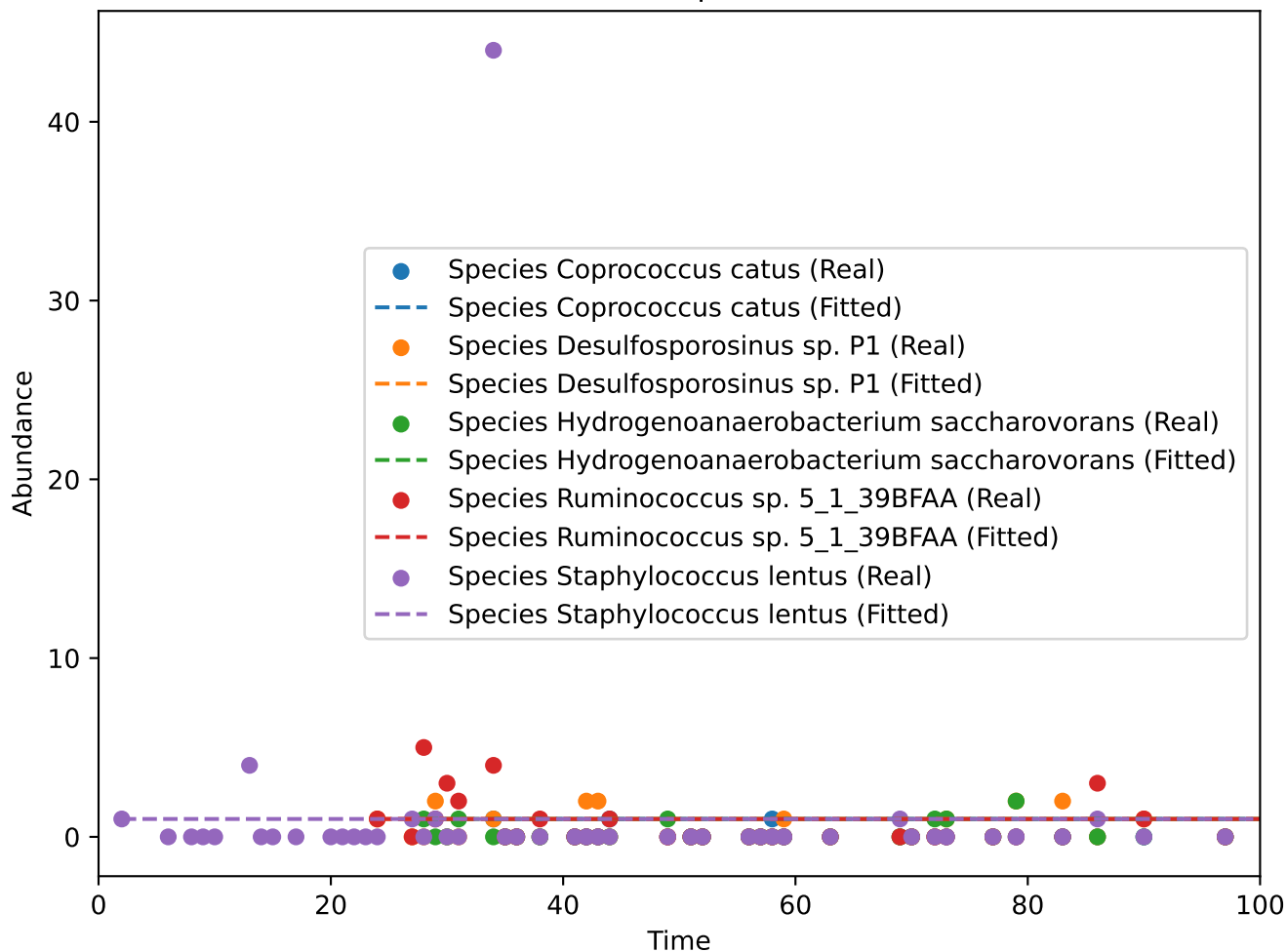


Mouse 8 - Species Fit

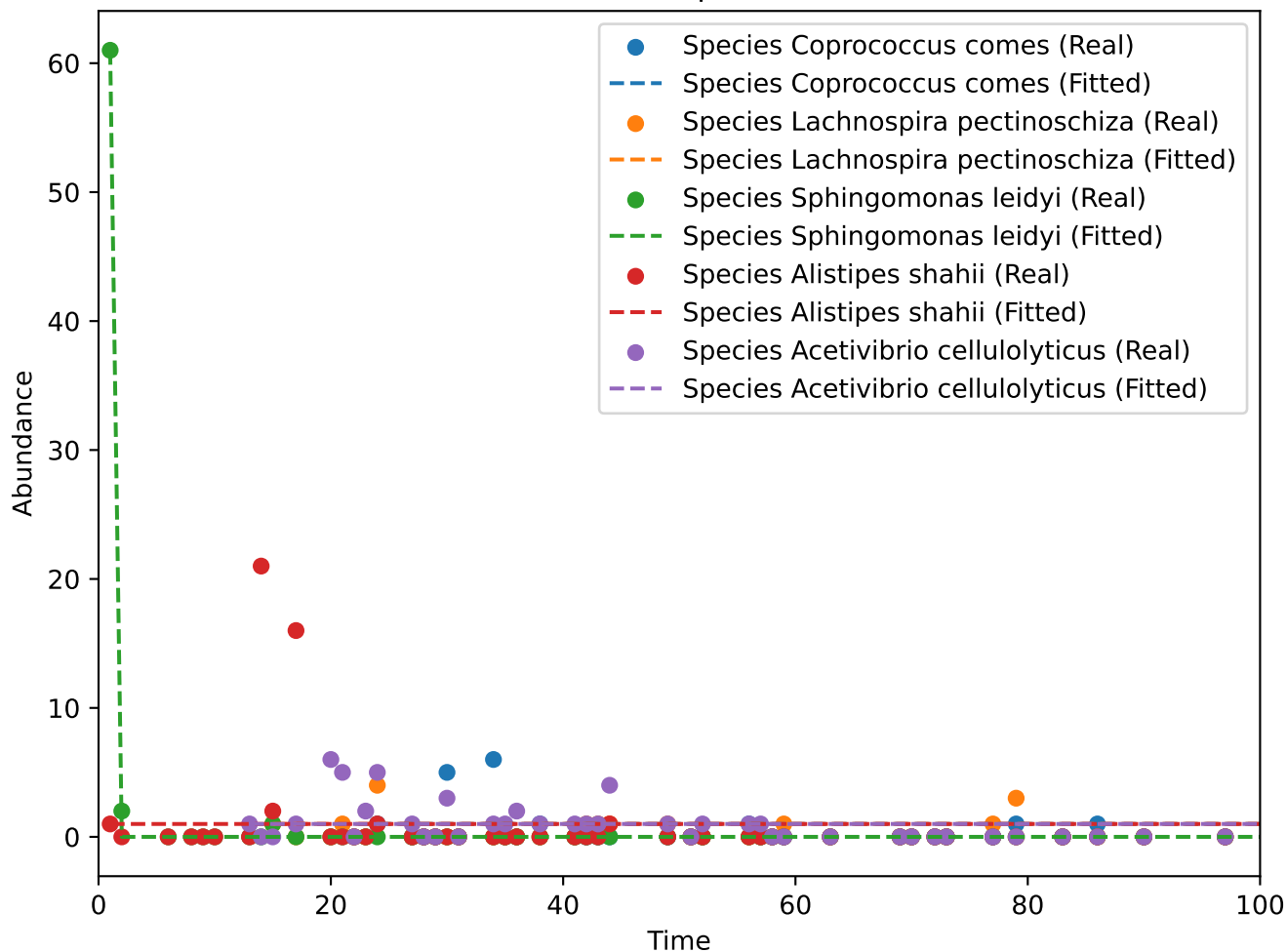




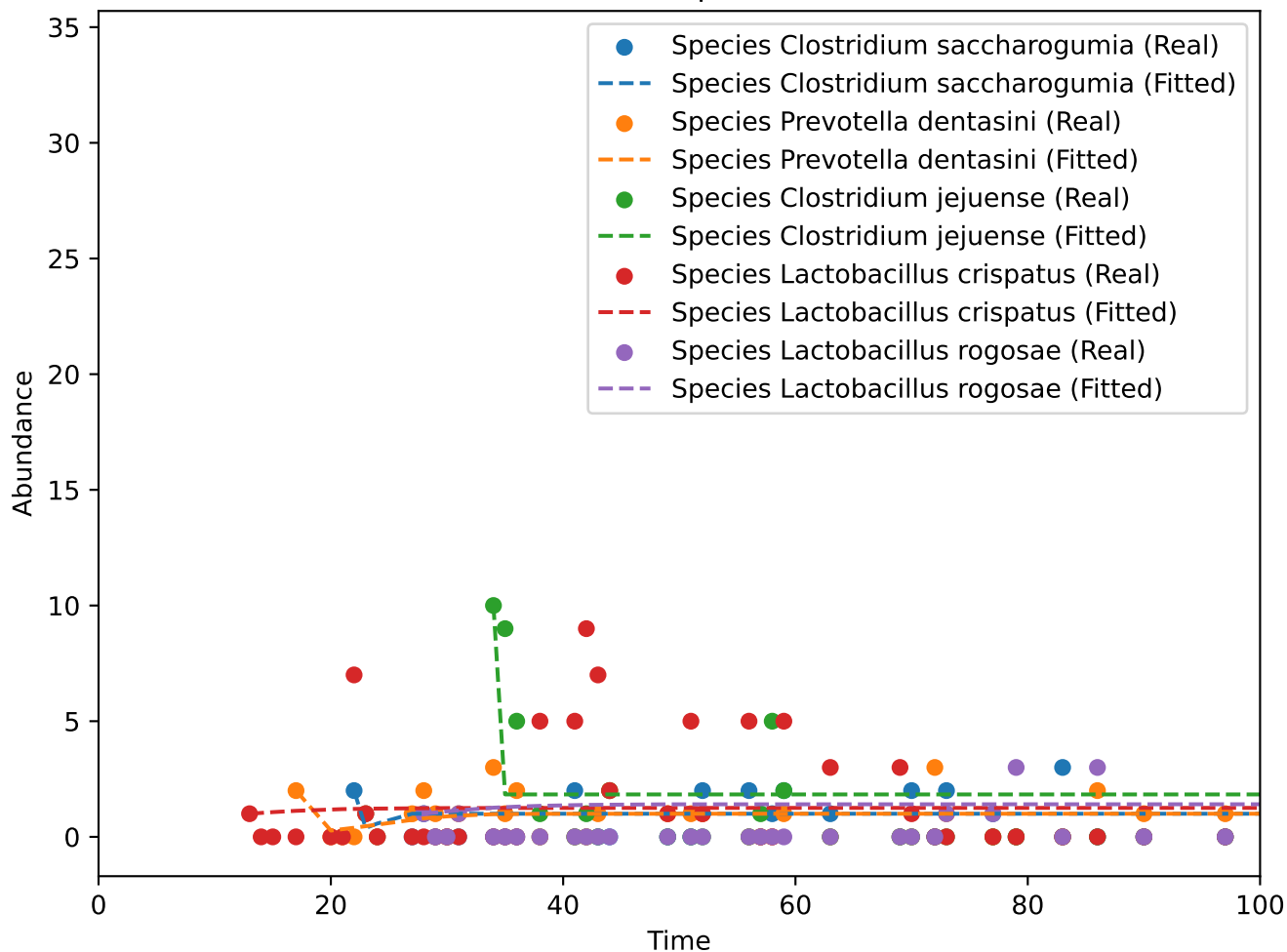
Mouse 8 - Species Fit



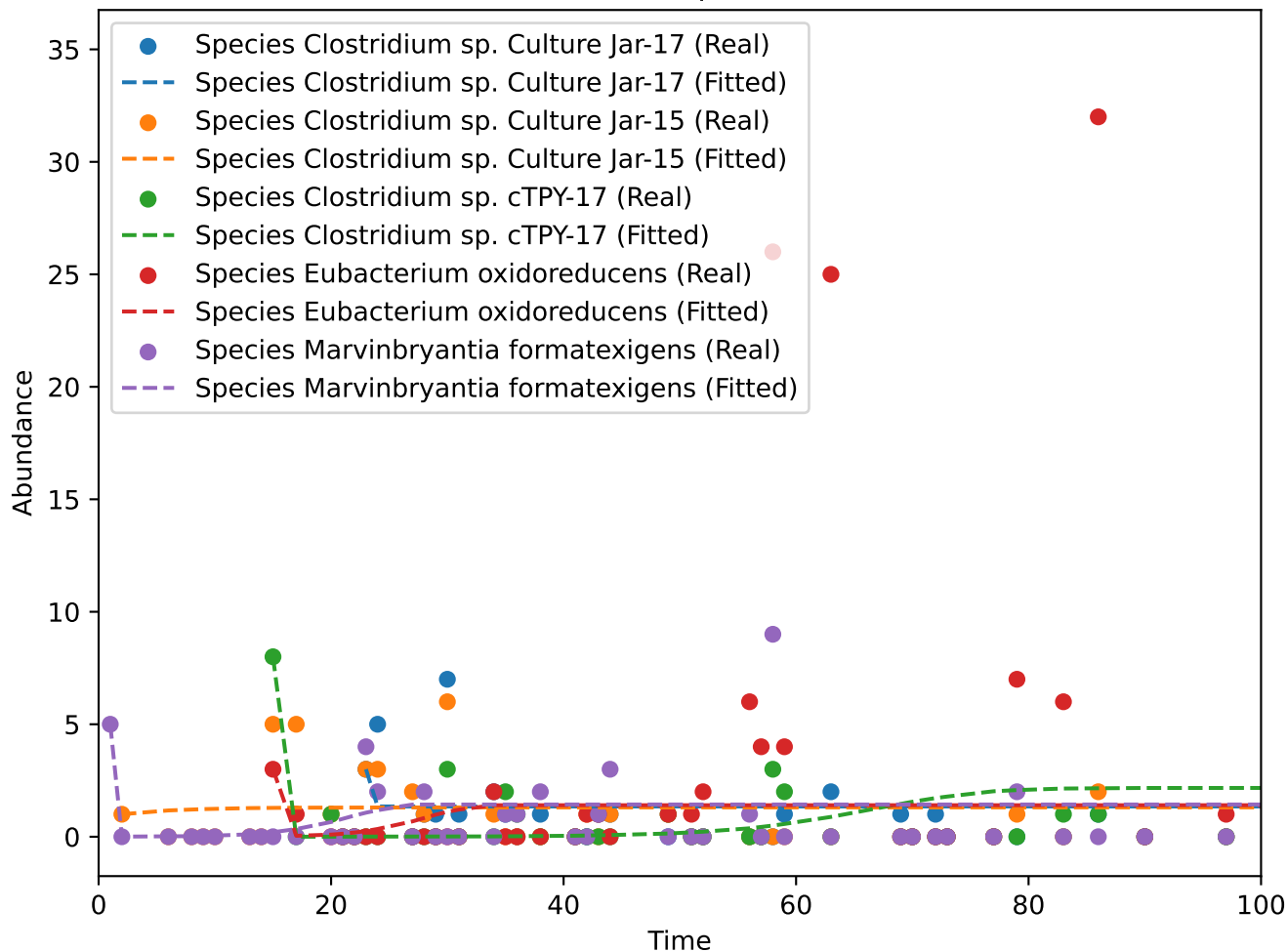
Mouse 8 - Species Fit



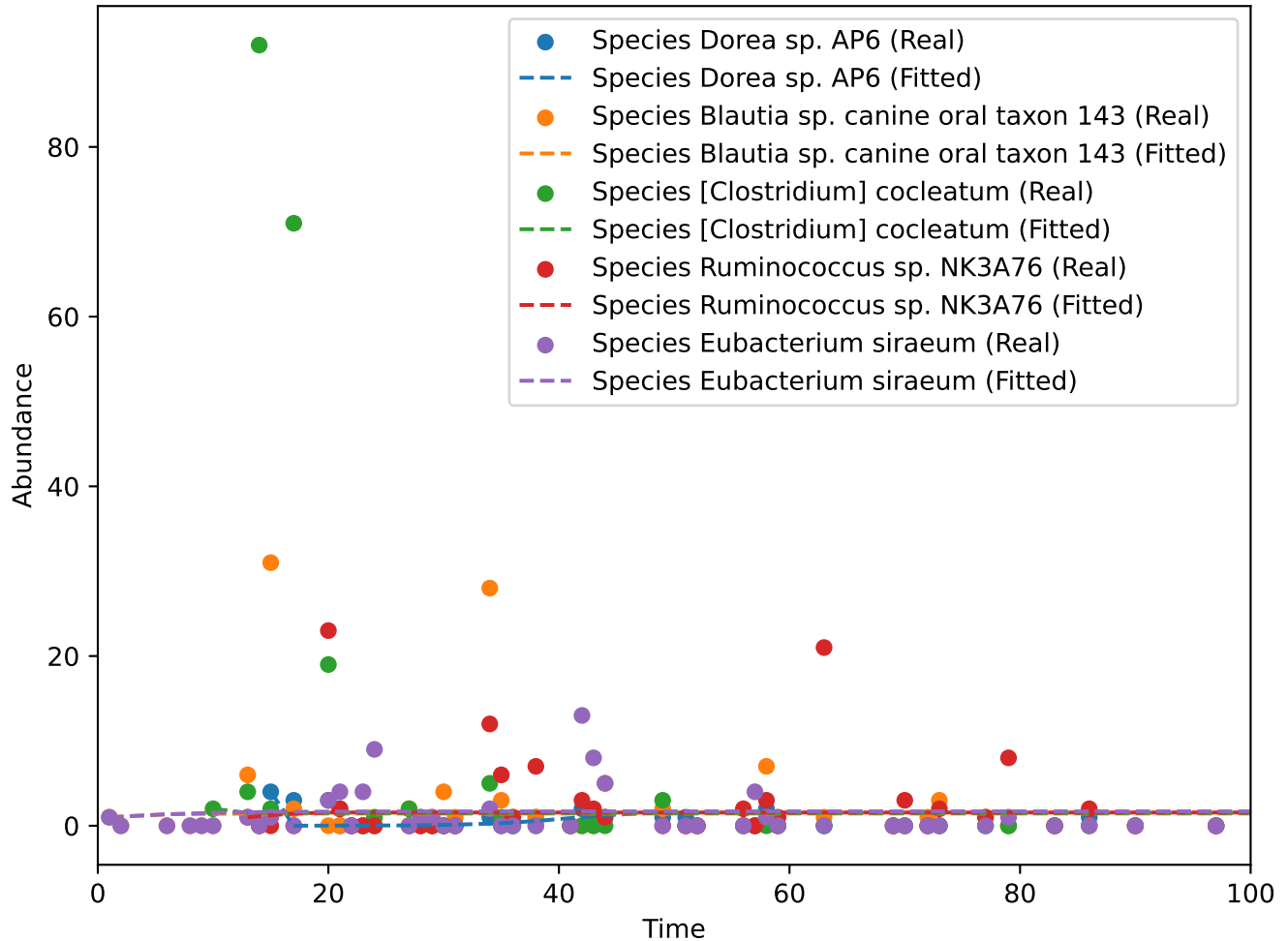
Mouse 8 - Species Fit



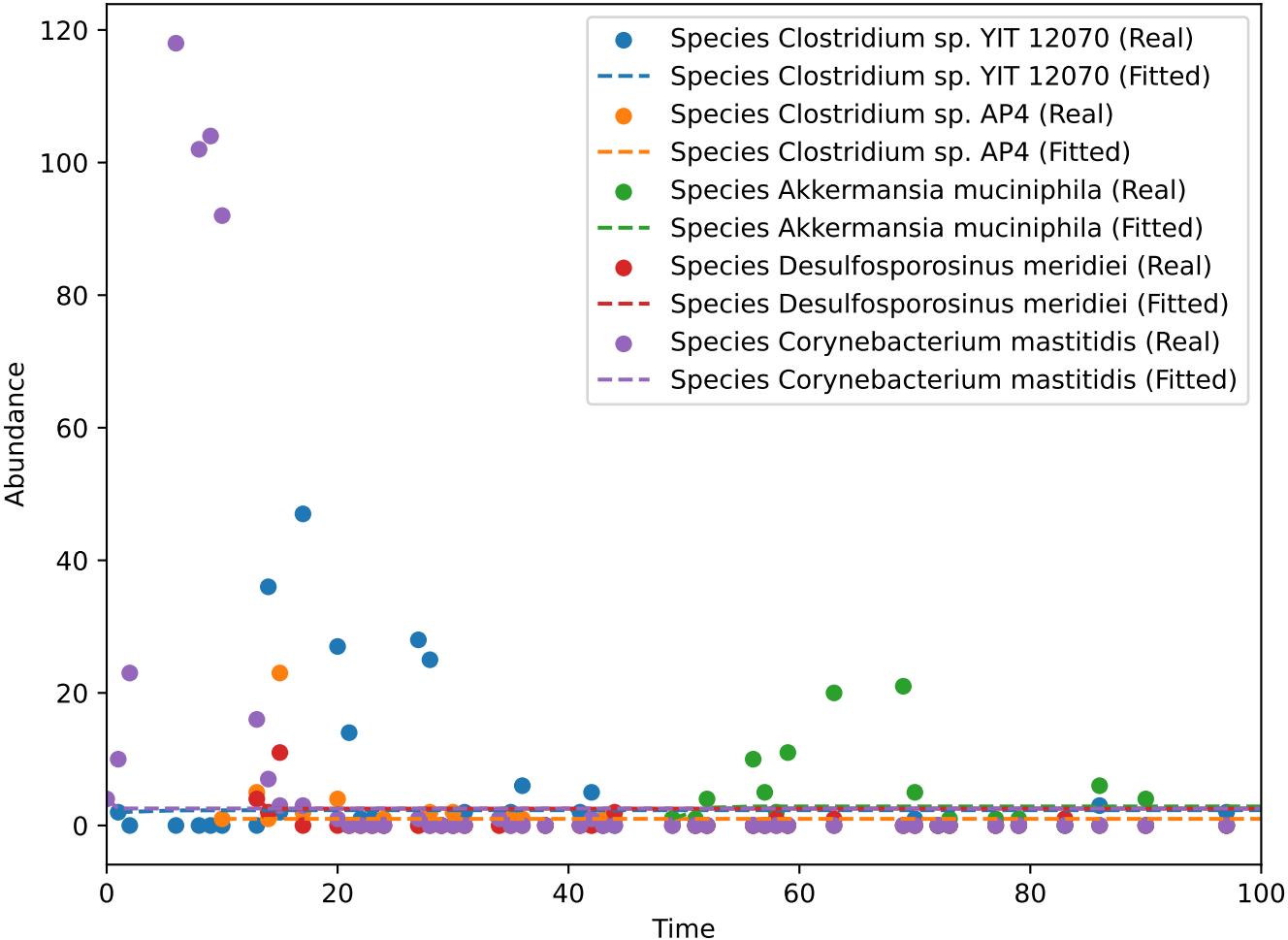
Mouse 8 - Species Fit



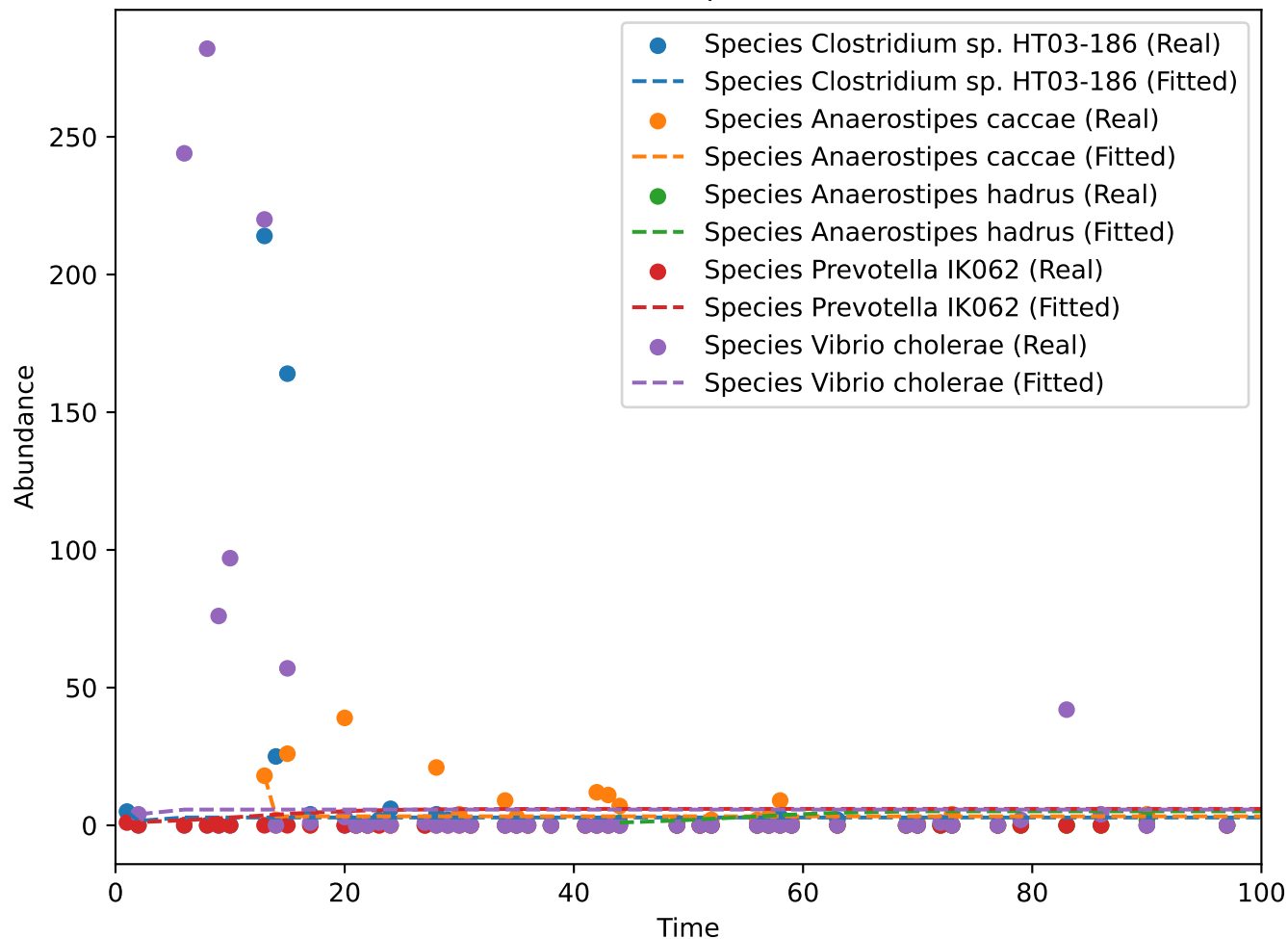
Mouse 8 - Species Fit



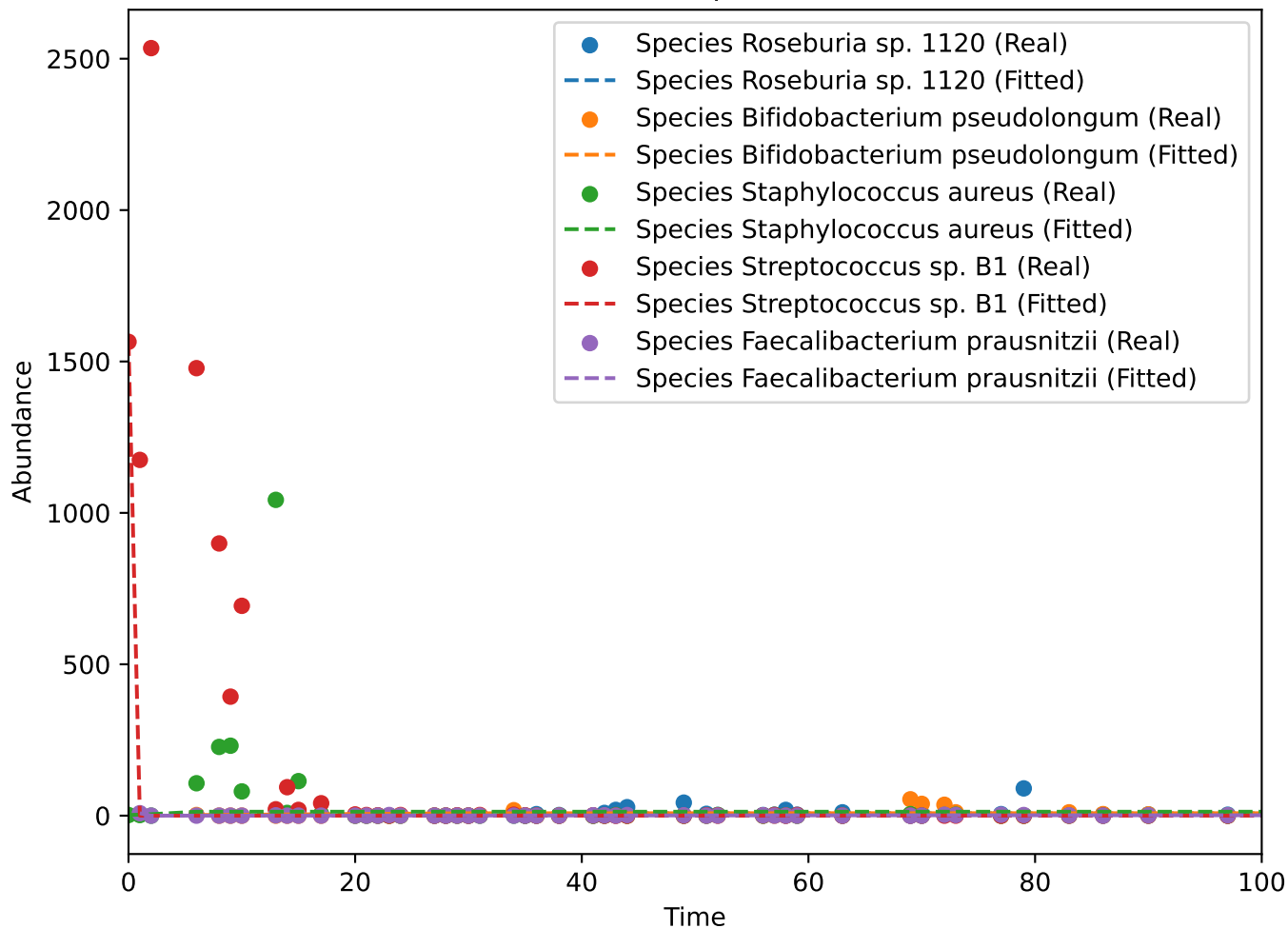
Mouse 8 - Species Fit



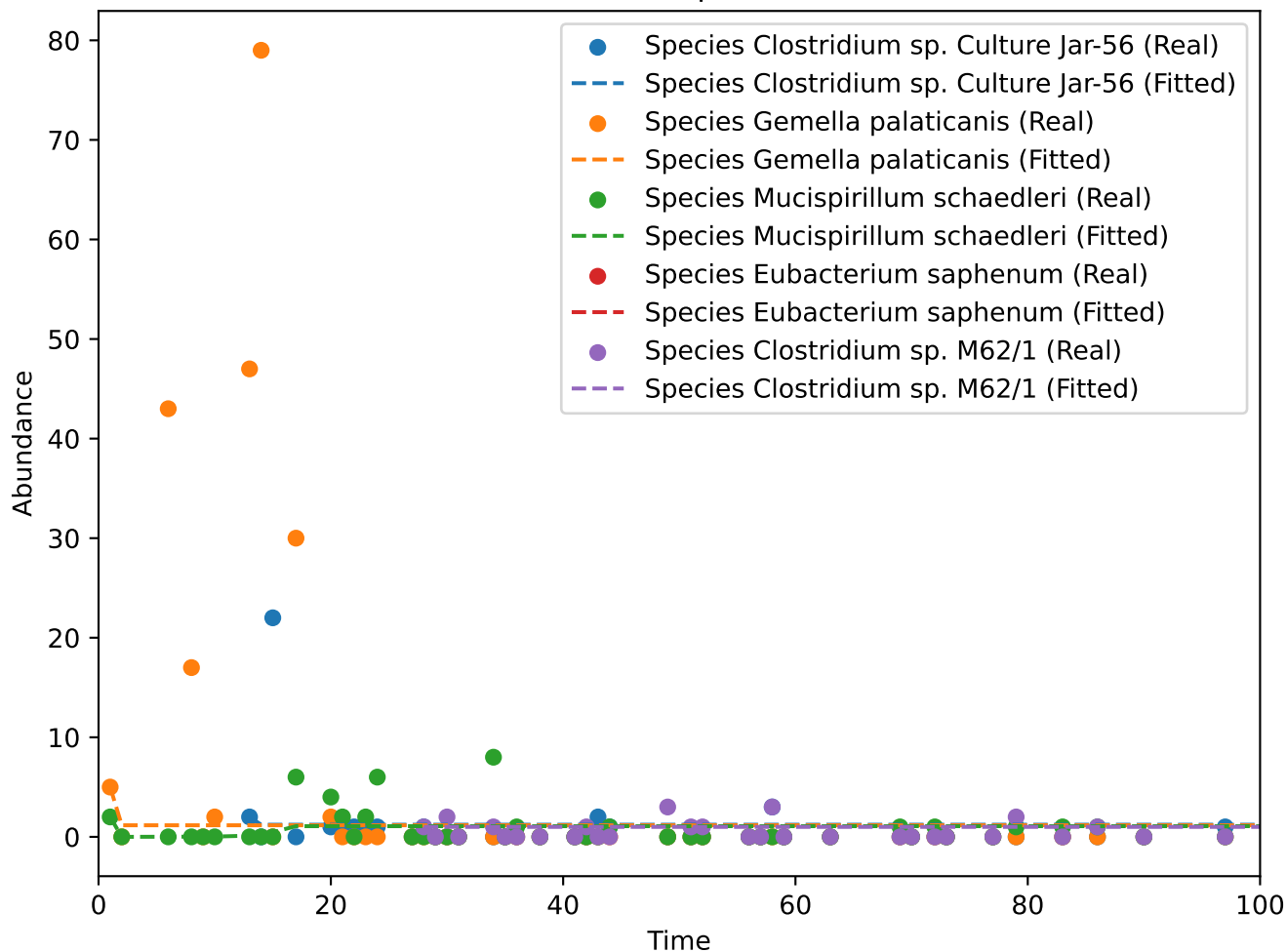
Mouse 8 - Species Fit



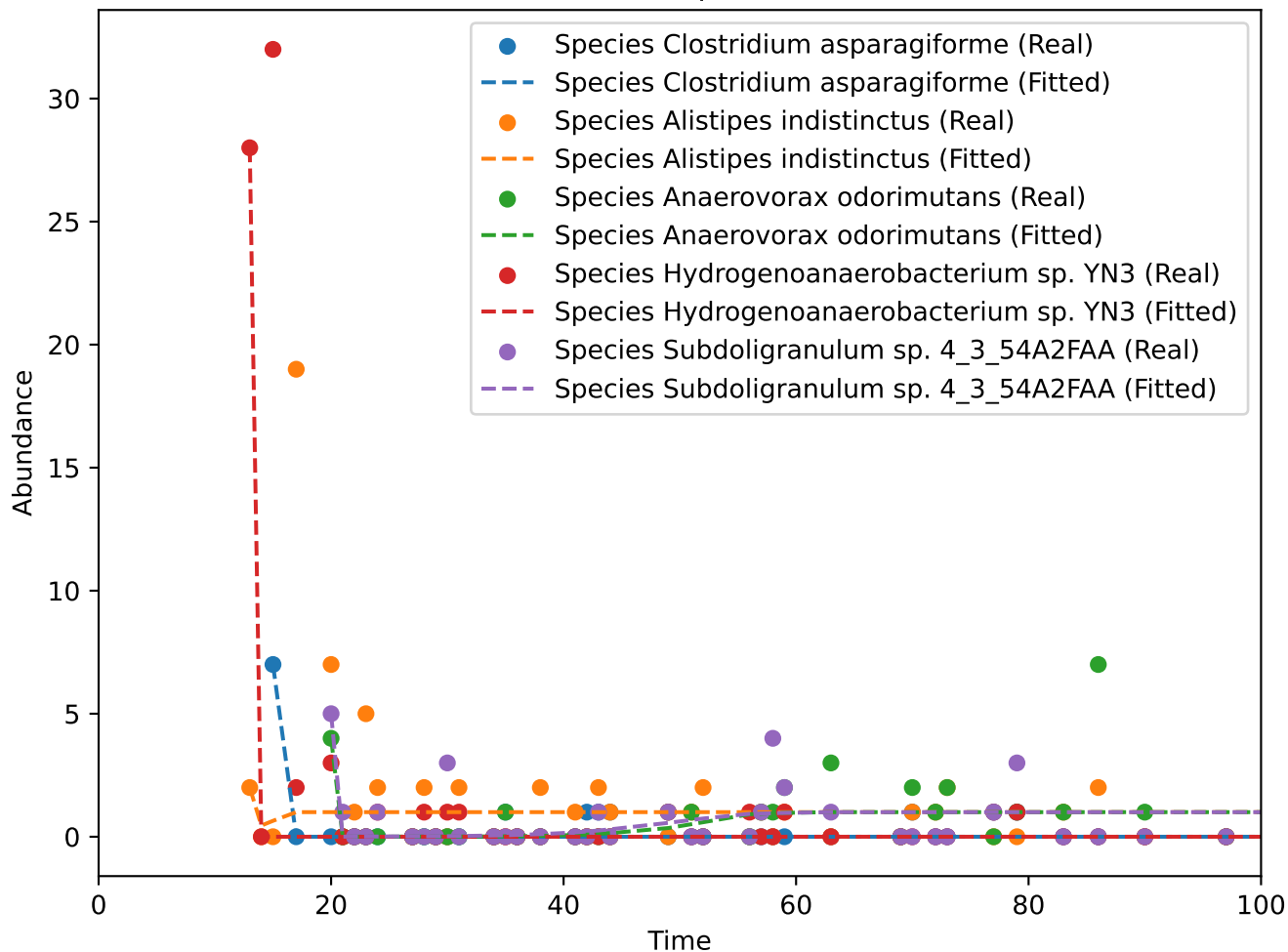
Mouse 8 - Species Fit



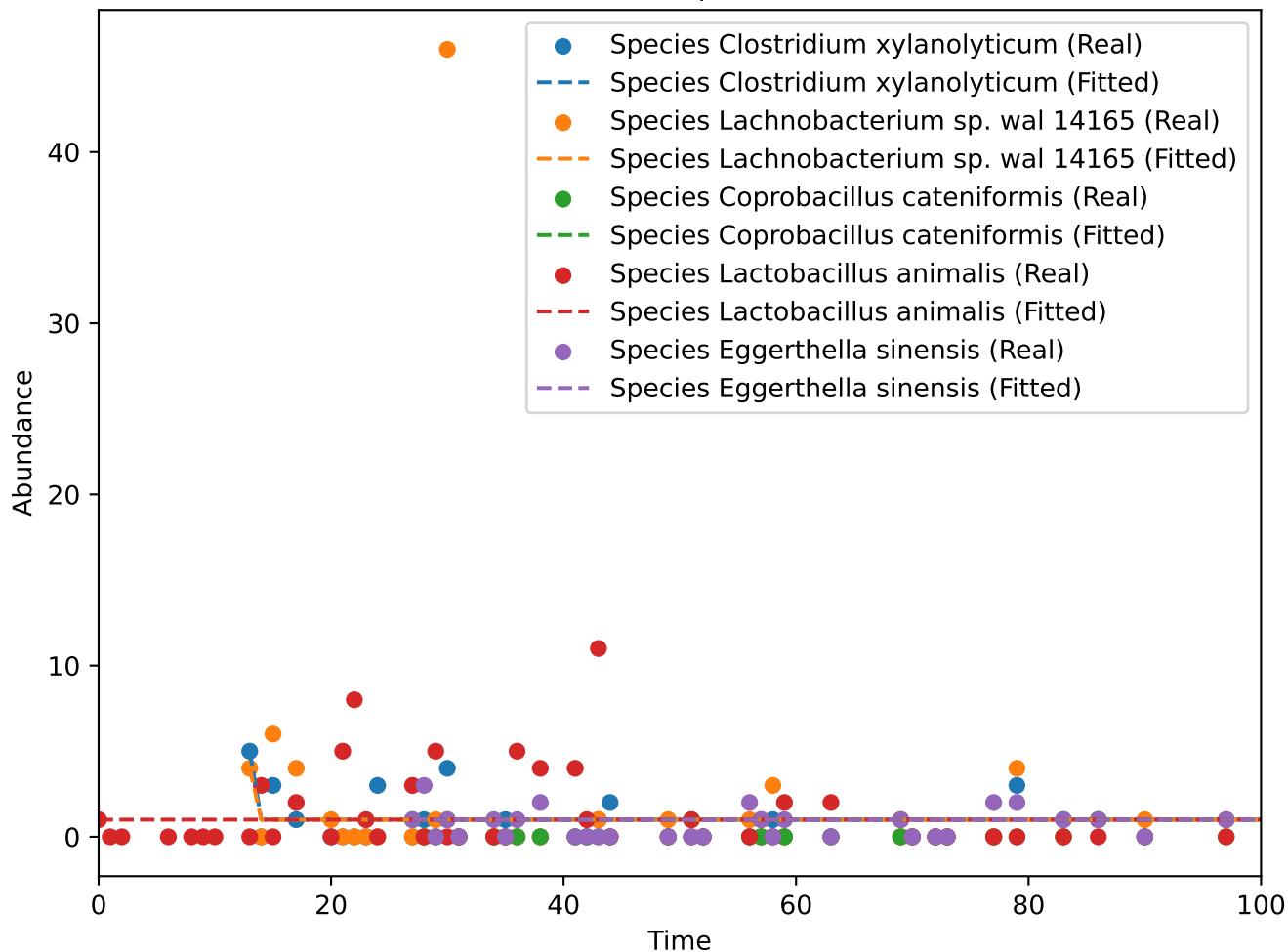
Mouse 8 - Species Fit



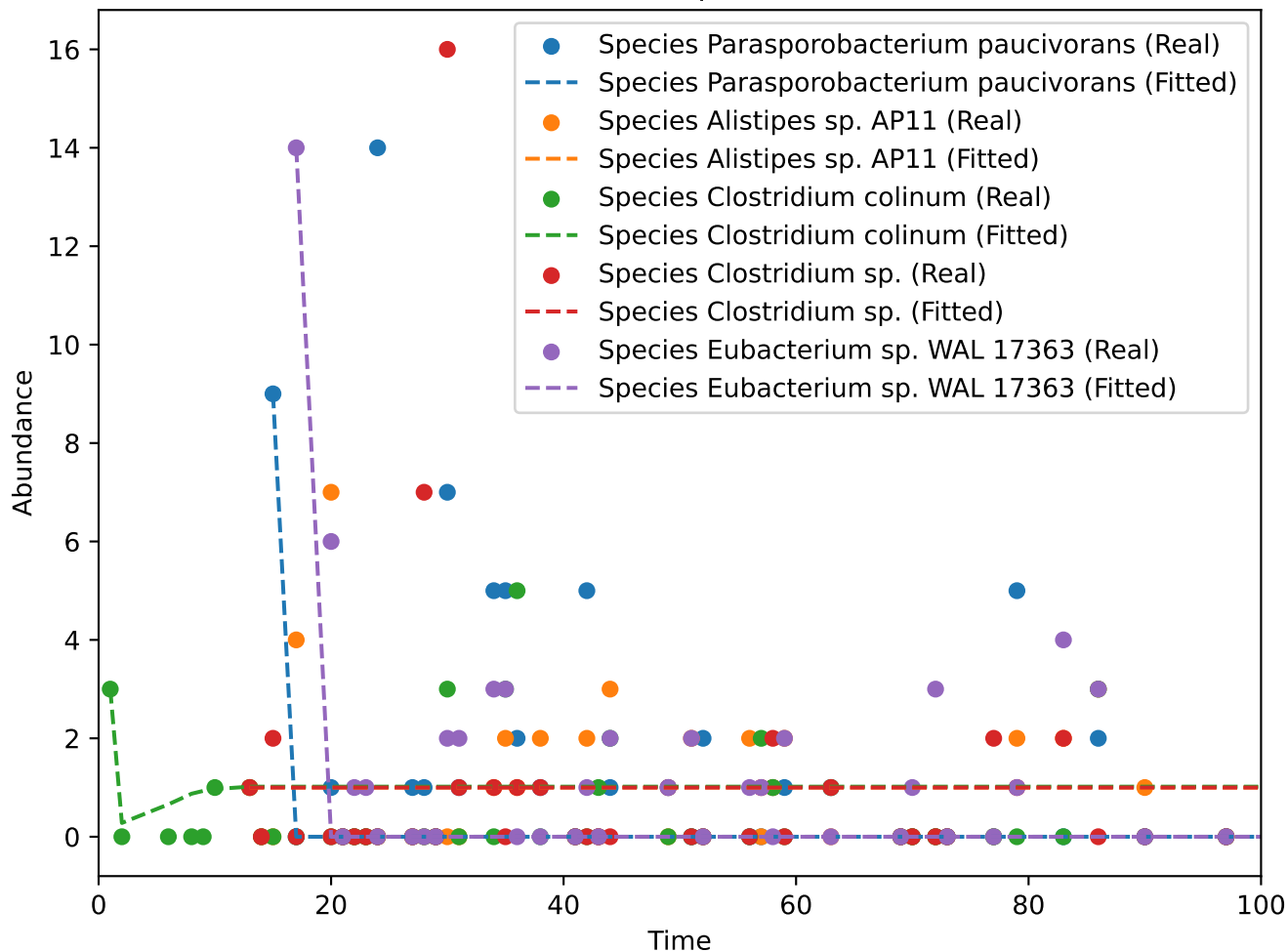
Mouse 8 - Species Fit



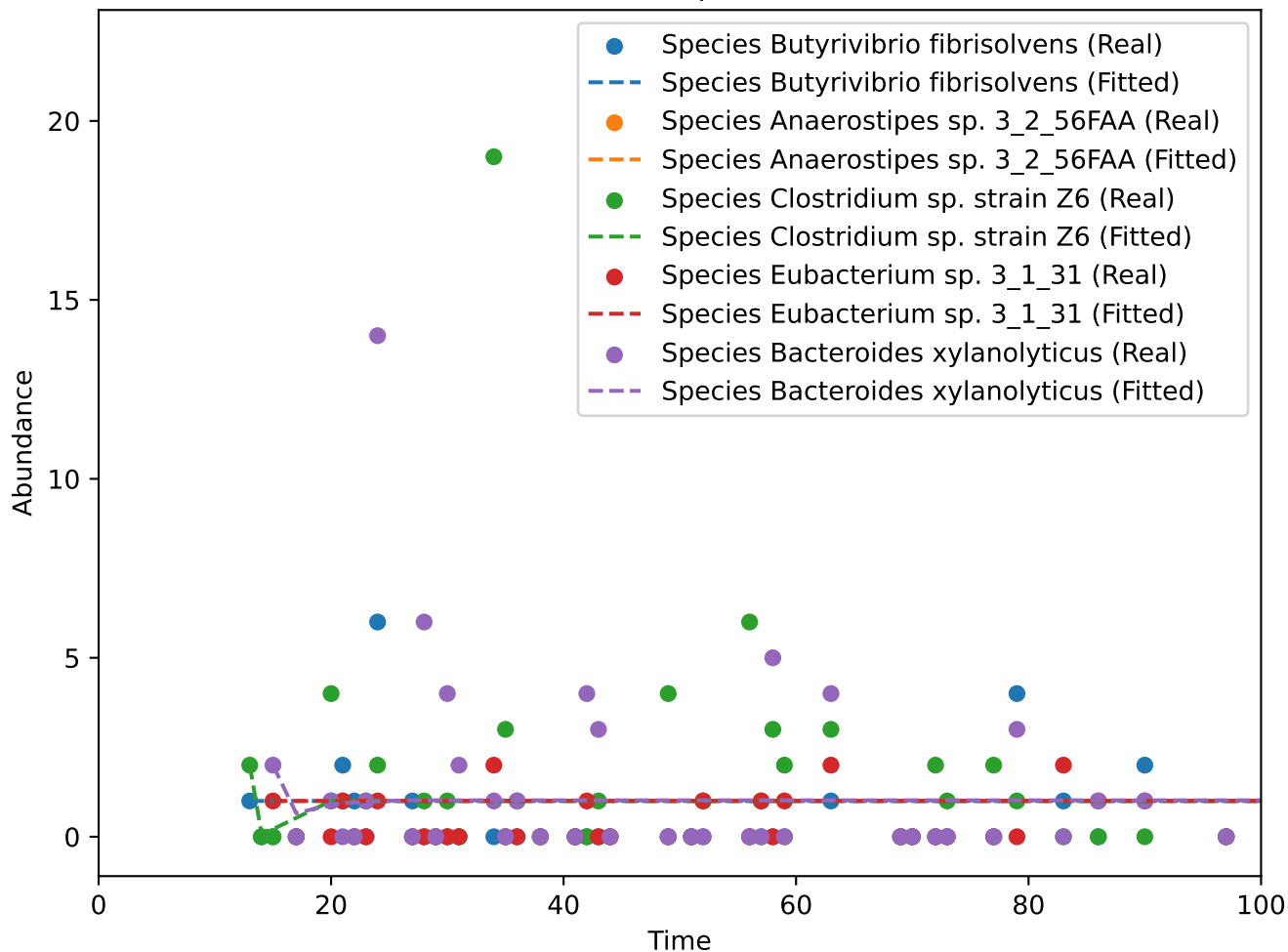
Mouse 8 - Species Fit



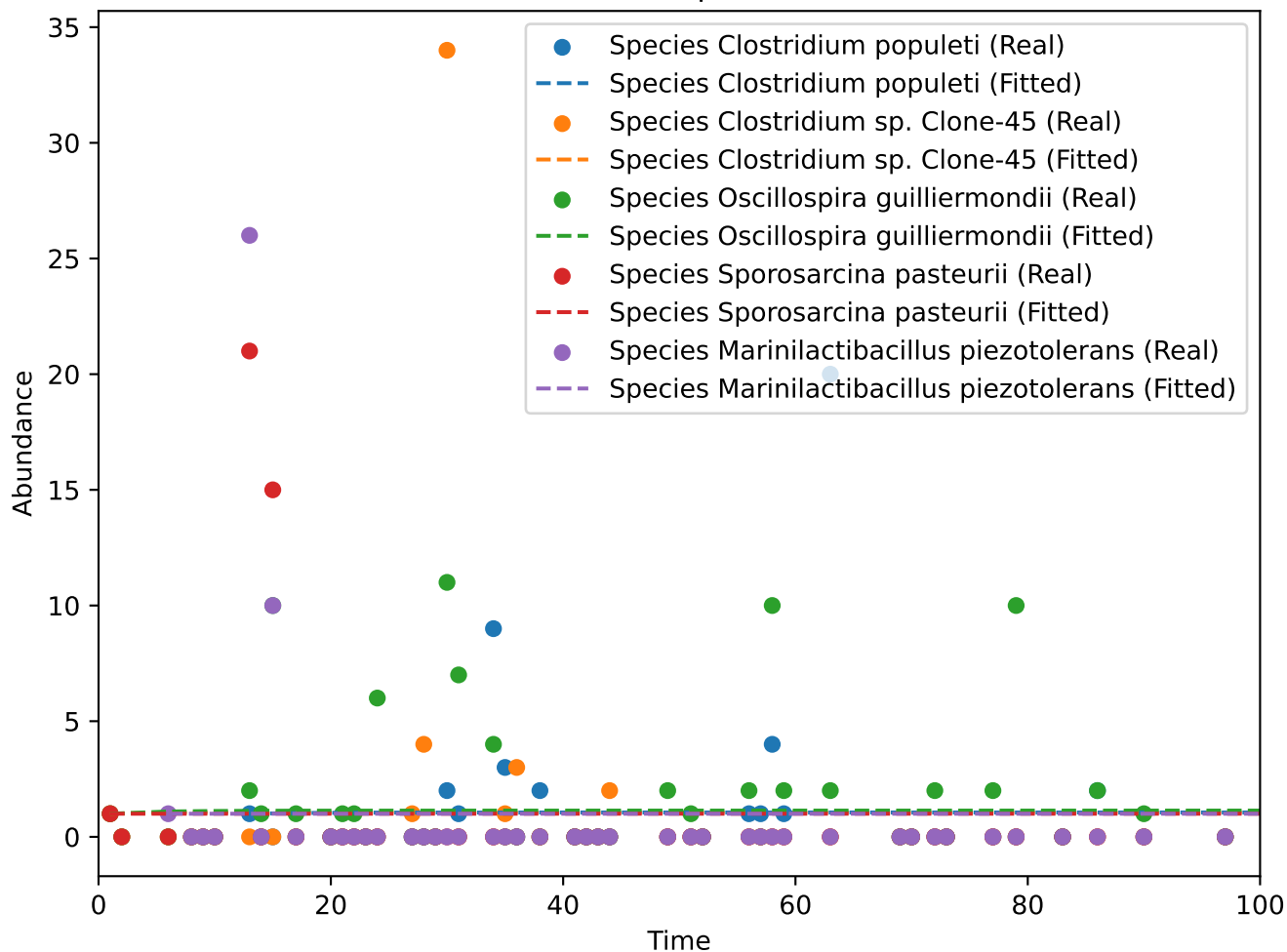
Mouse 8 - Species Fit



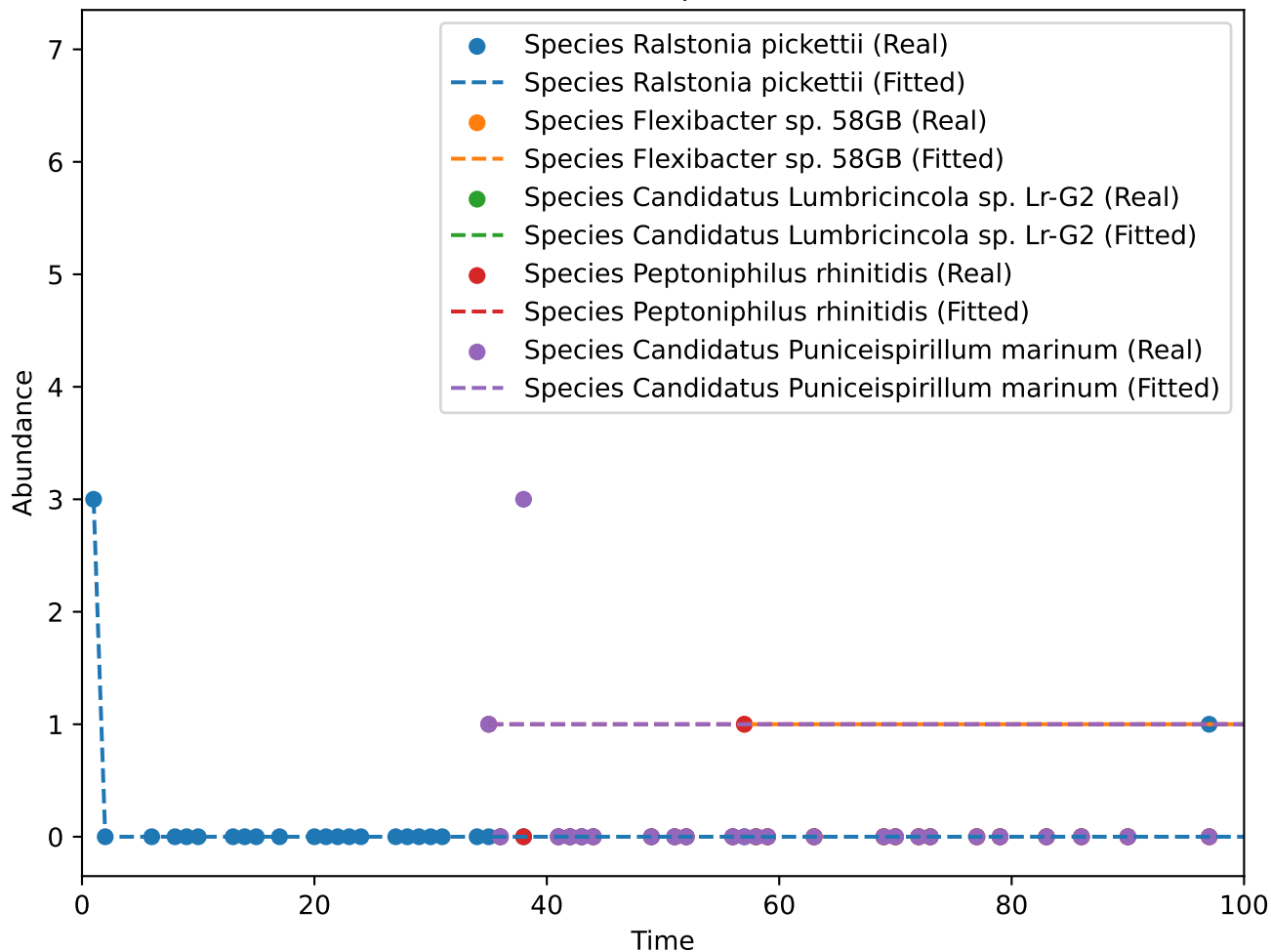
Mouse 8 - Species Fit



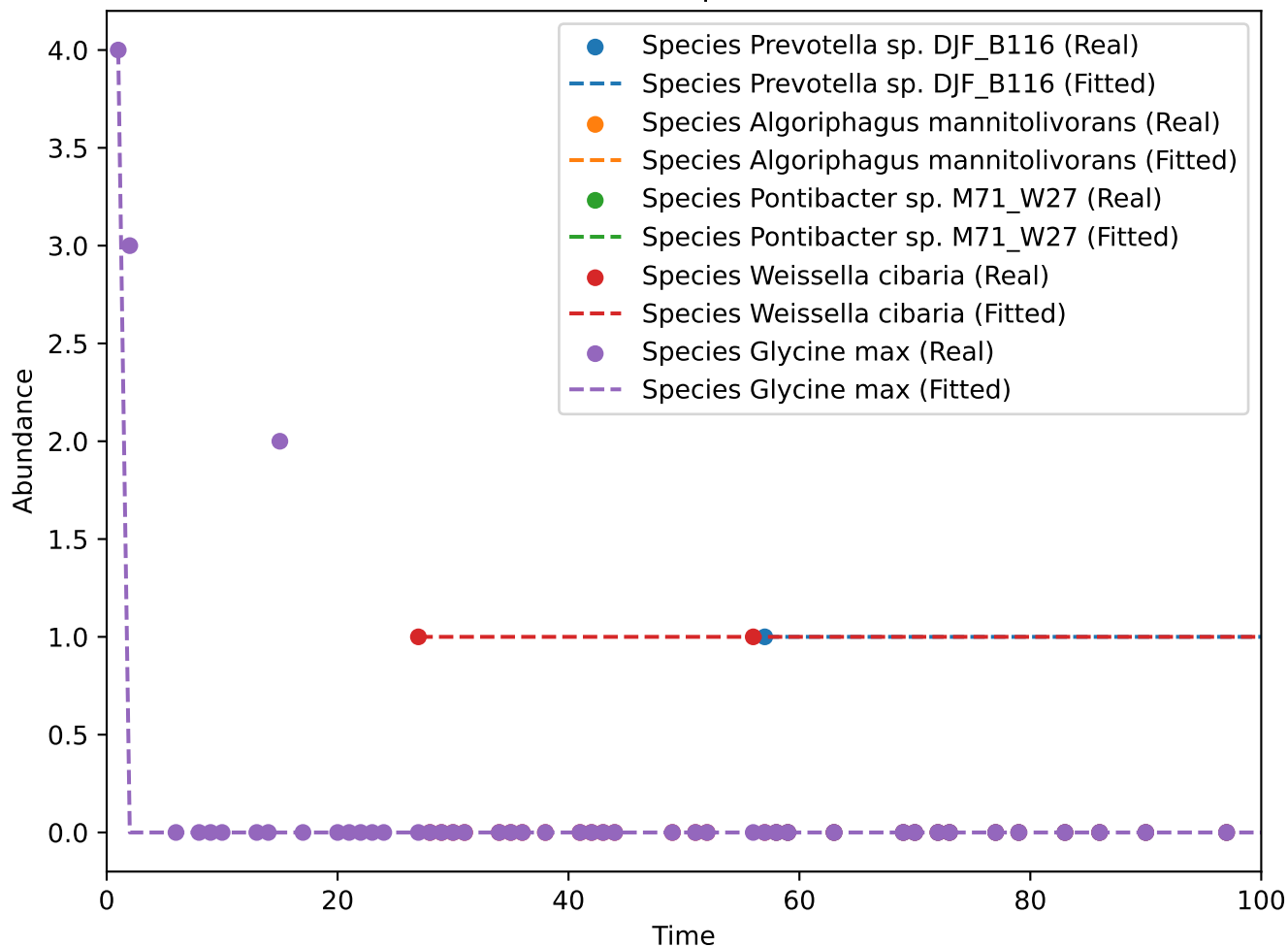
Mouse 8 - Species Fit



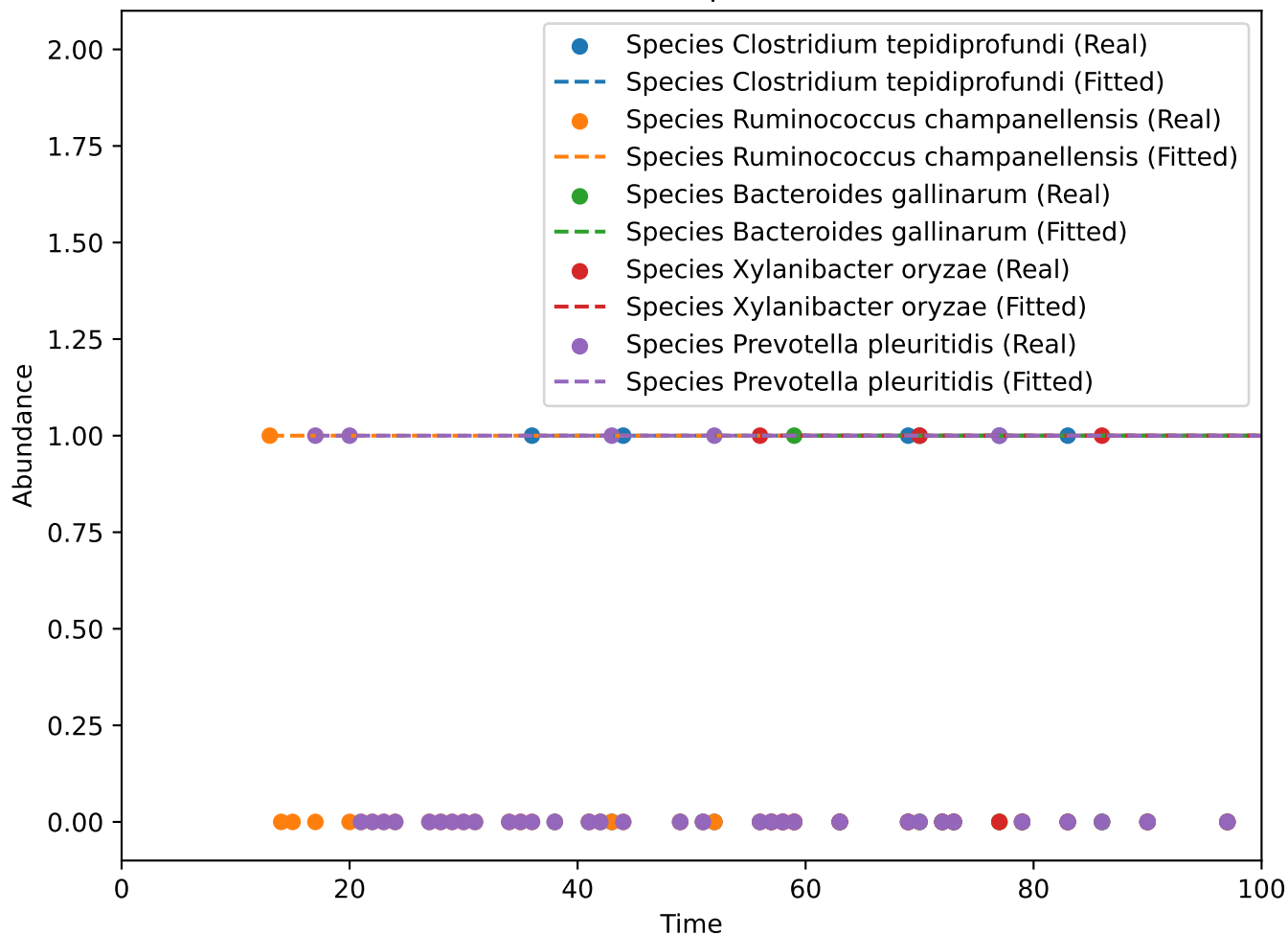
- Species *Ralstonia pickettii* (Real)
- Species *Ralstonia pickettii* (Fitted)
- Species *Flexibacter* sp. 58GB (Real)
- Species *Flexibacter* sp. 58GB (Fitted)
- Species *Candidatus Lumbricincola* sp. Lr-G2 (Real)
- Species *Candidatus Lumbricincola* sp. Lr-G2 (Fitted)
- Species *Peptoniphilus rhinitidis*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



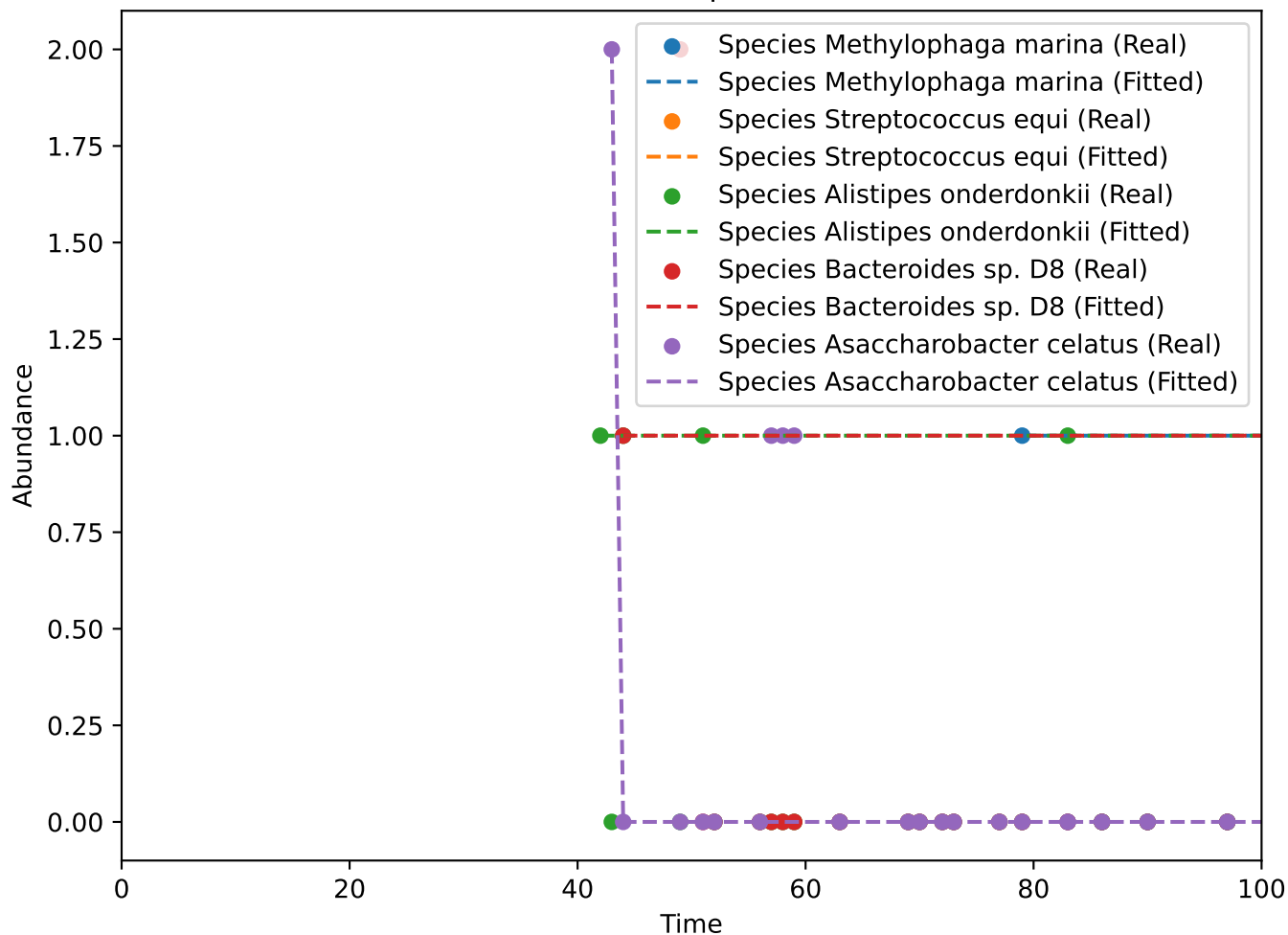
Mouse 8 - Species Fit



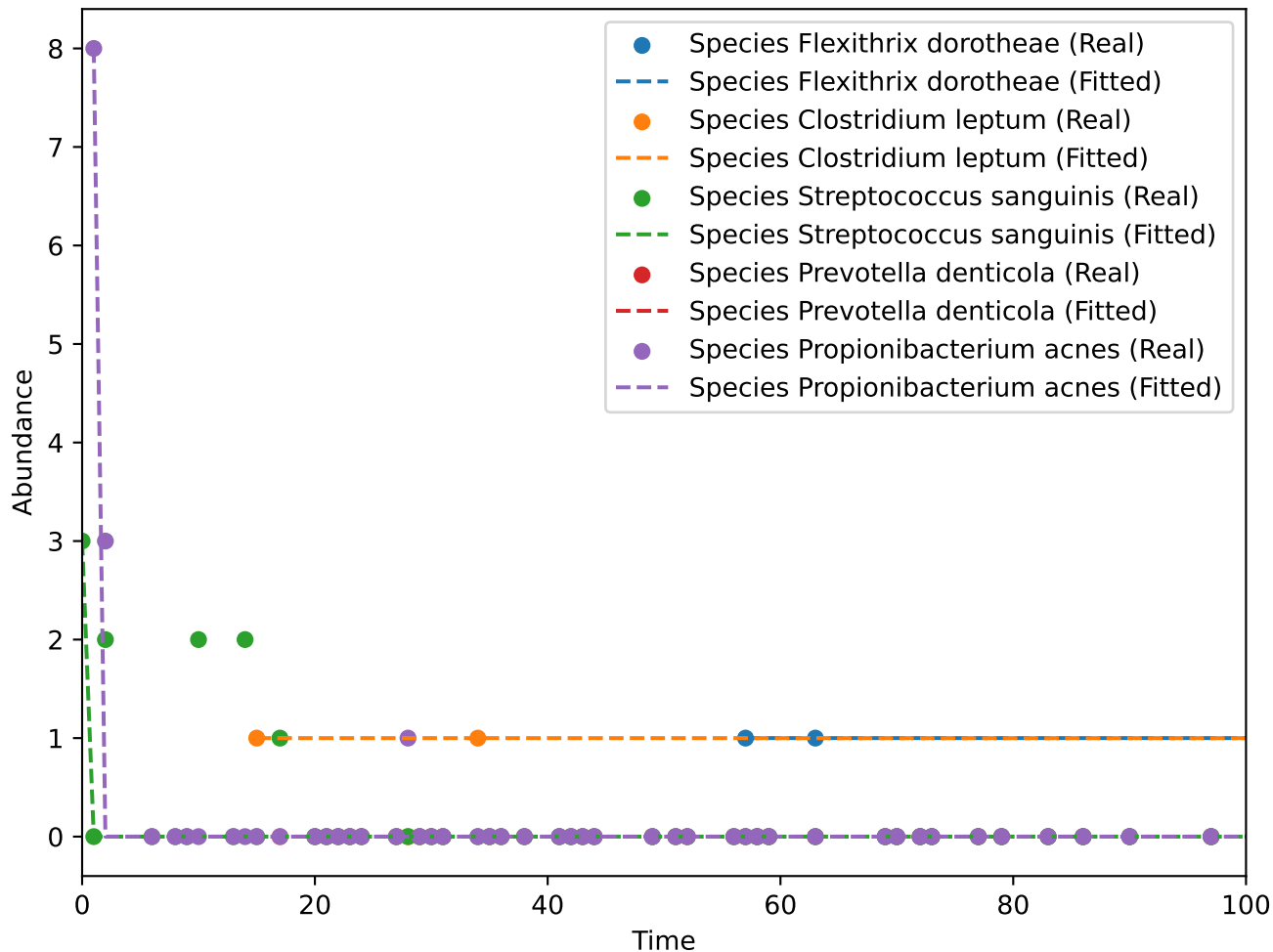
Mouse 8 - Species Fit



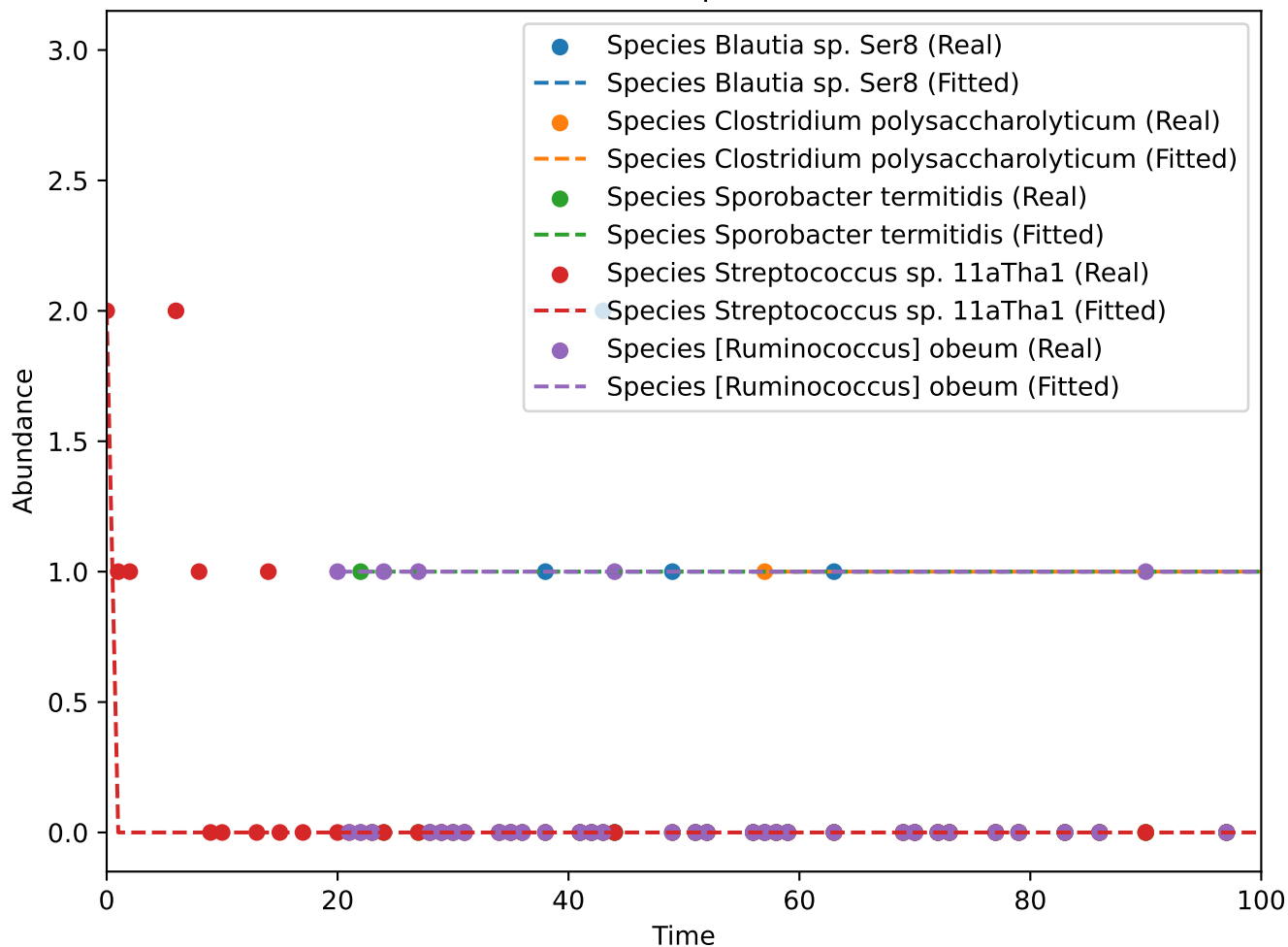
Mouse 8 - Species Fit



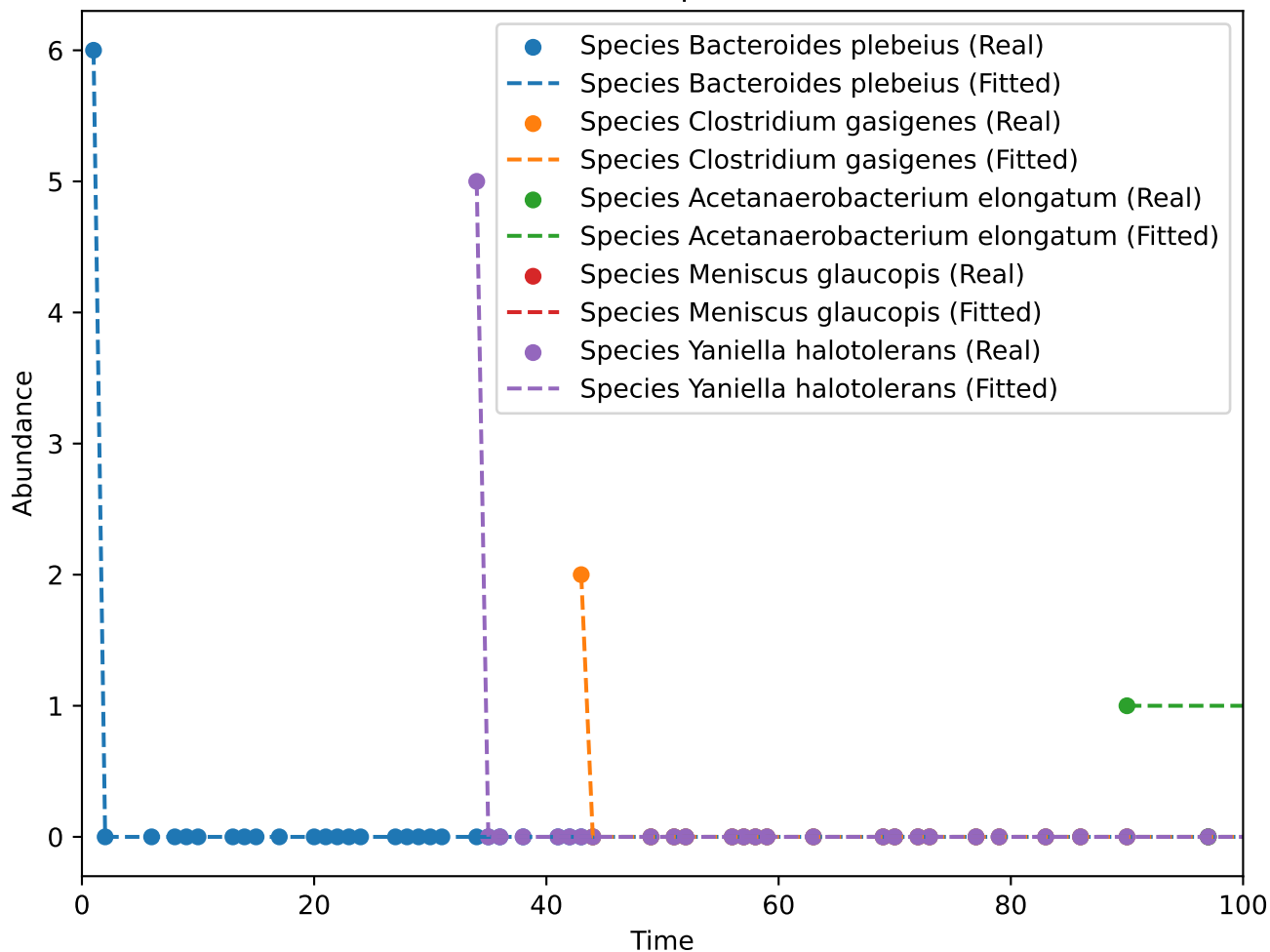
Mouse 8 - Species Fit



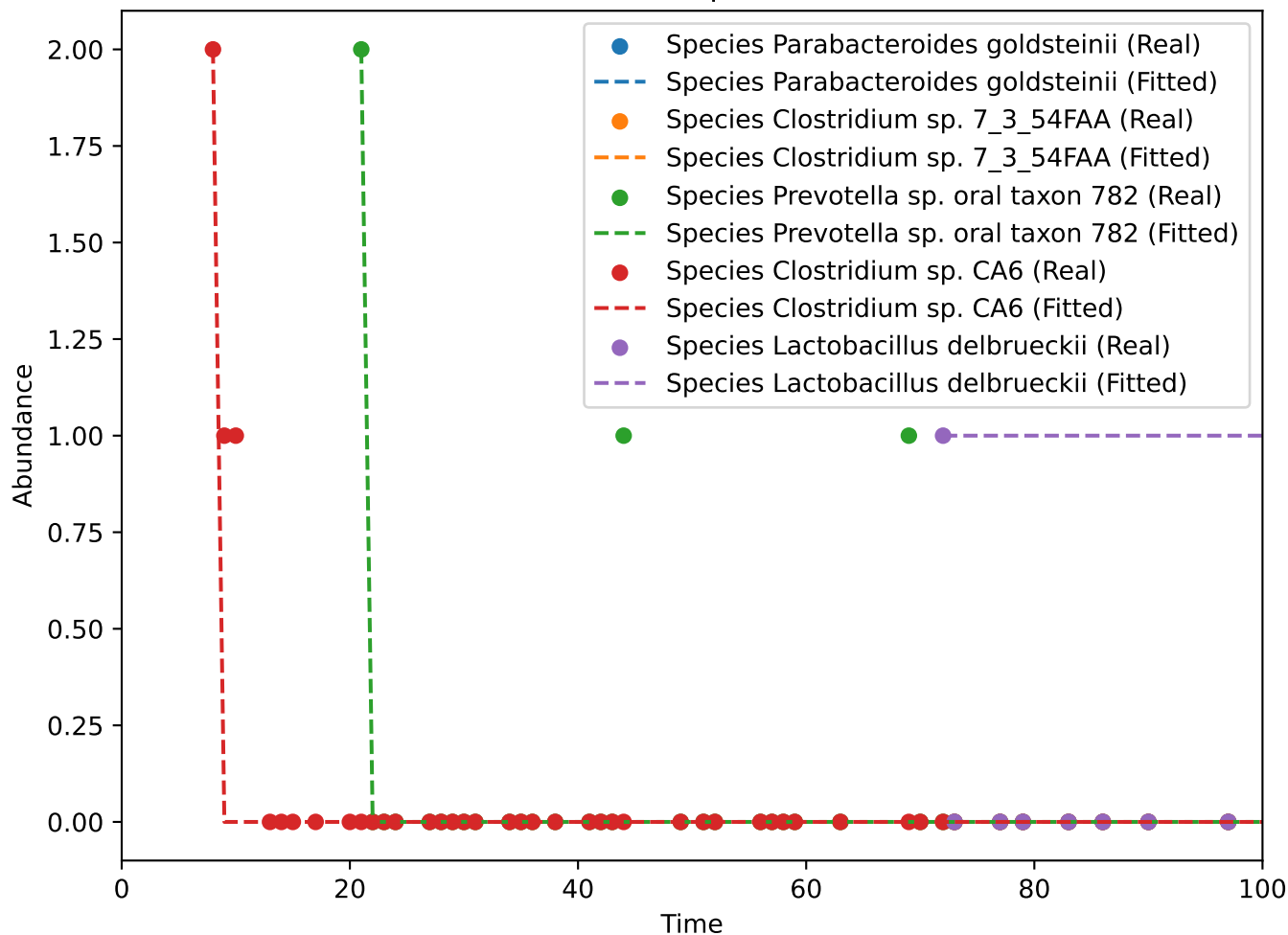
Mouse 8 - Species Fit



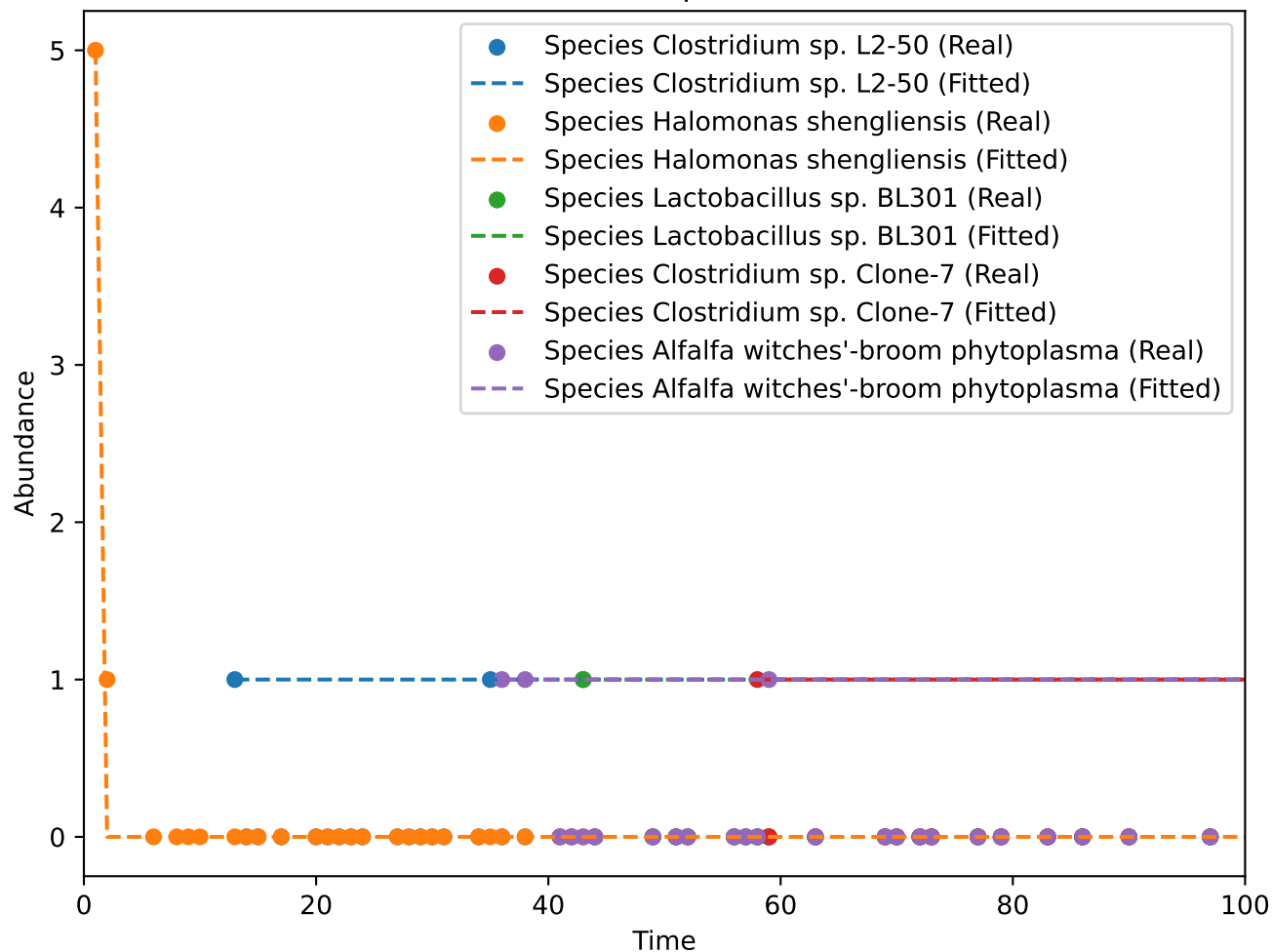
Mouse 8 - Species Fit



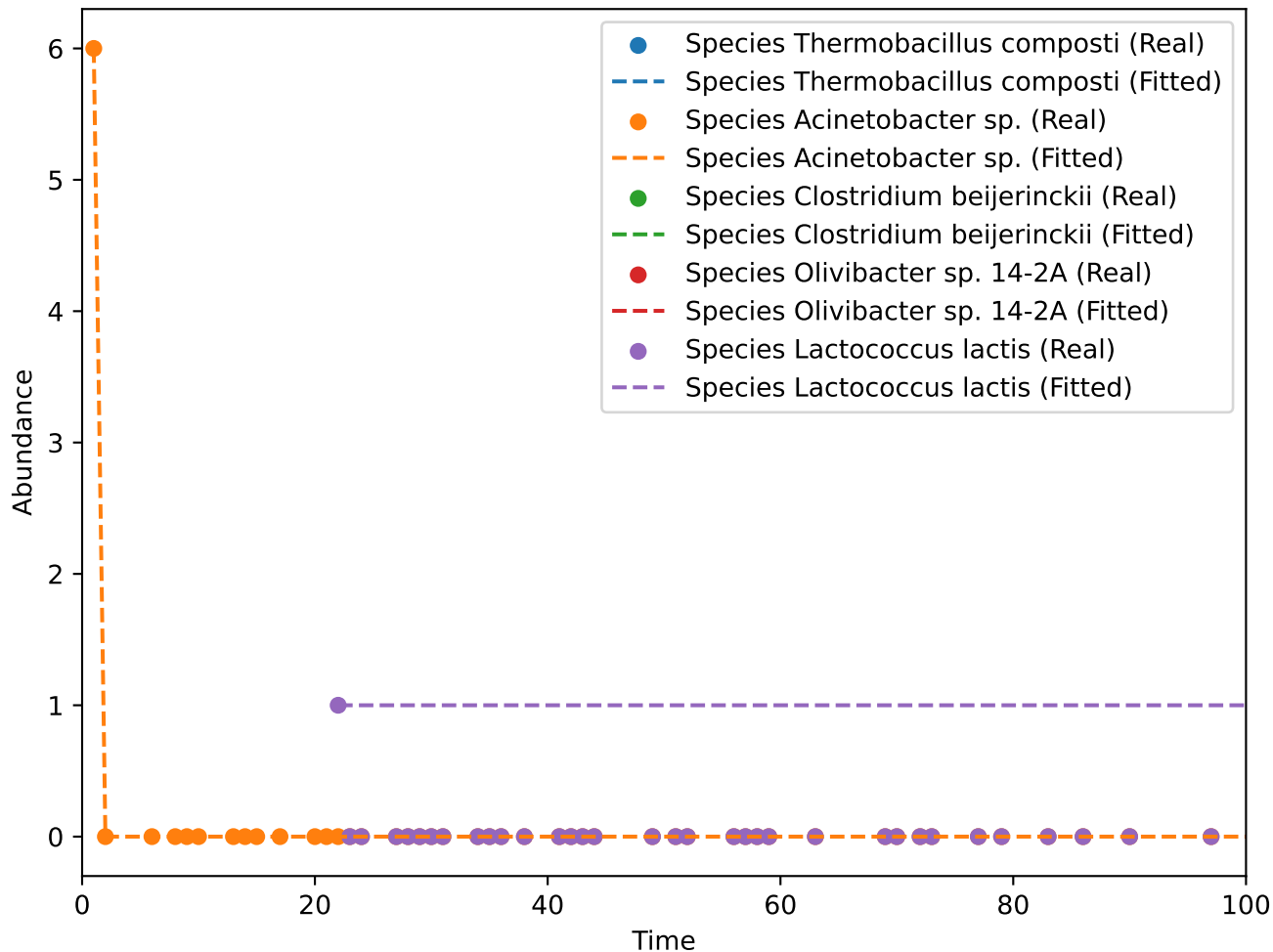
Mouse 8 - Species Fit



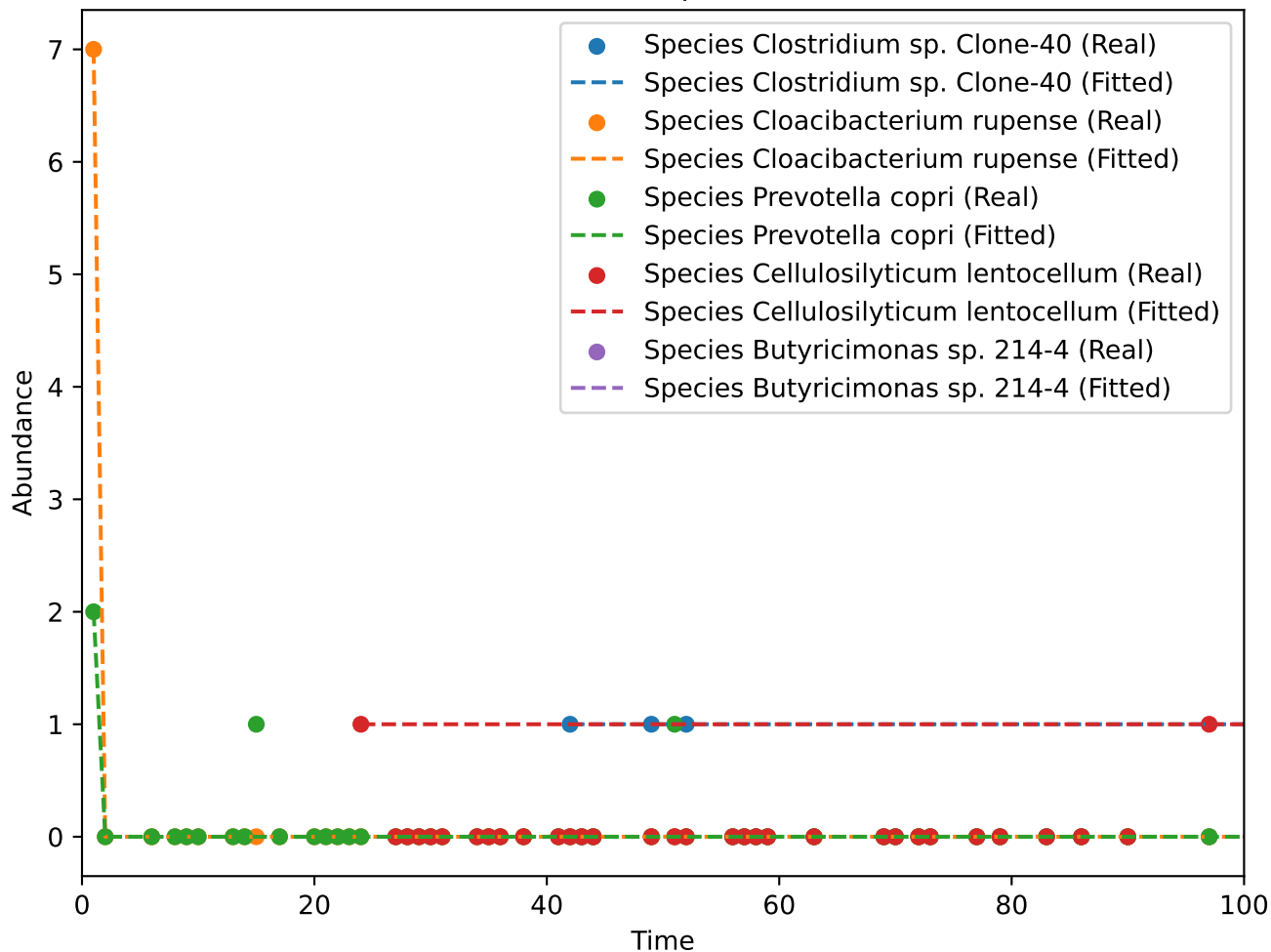
Mouse 8 - Species Fit



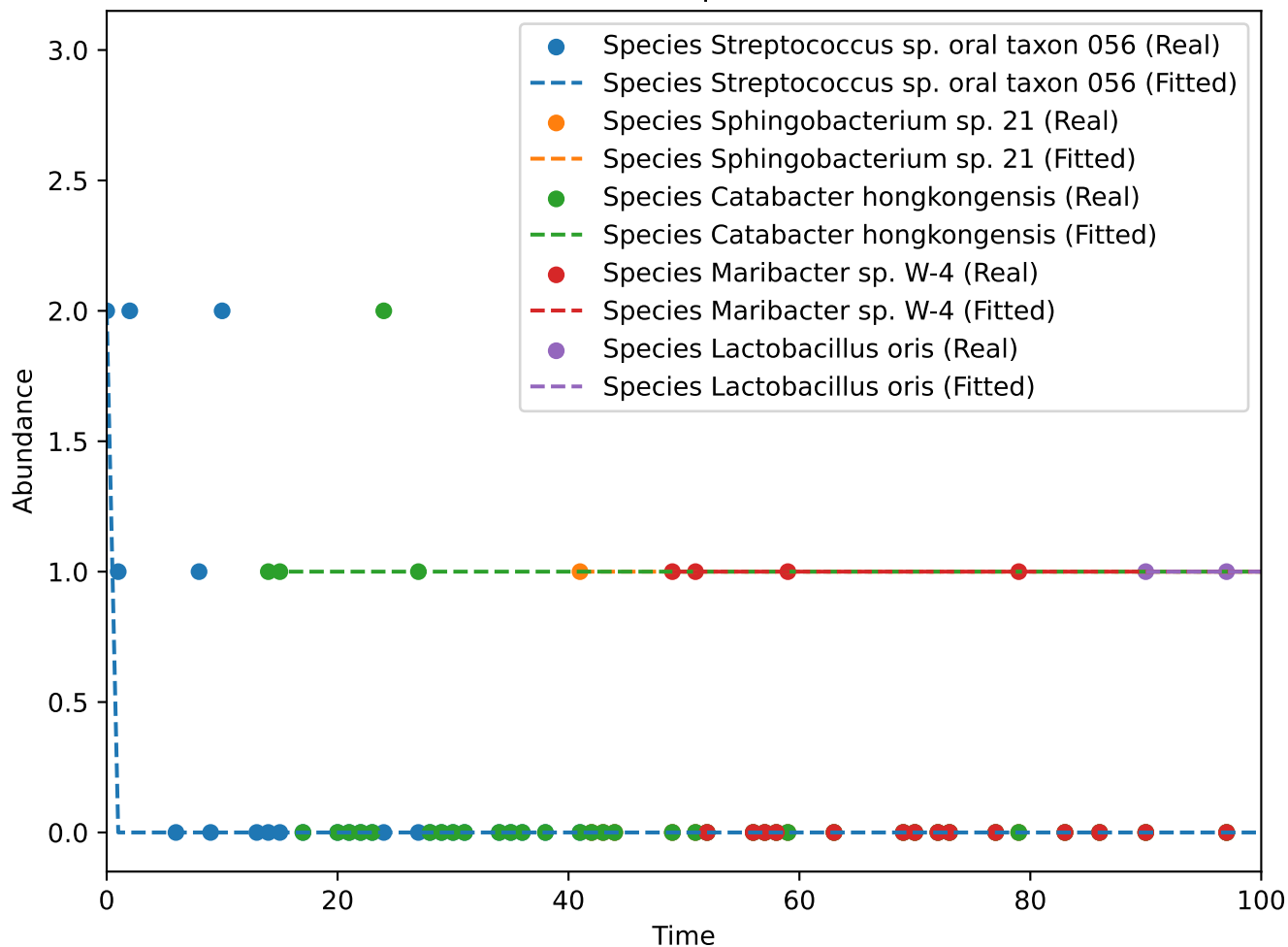
Mouse 8 - Species Fit



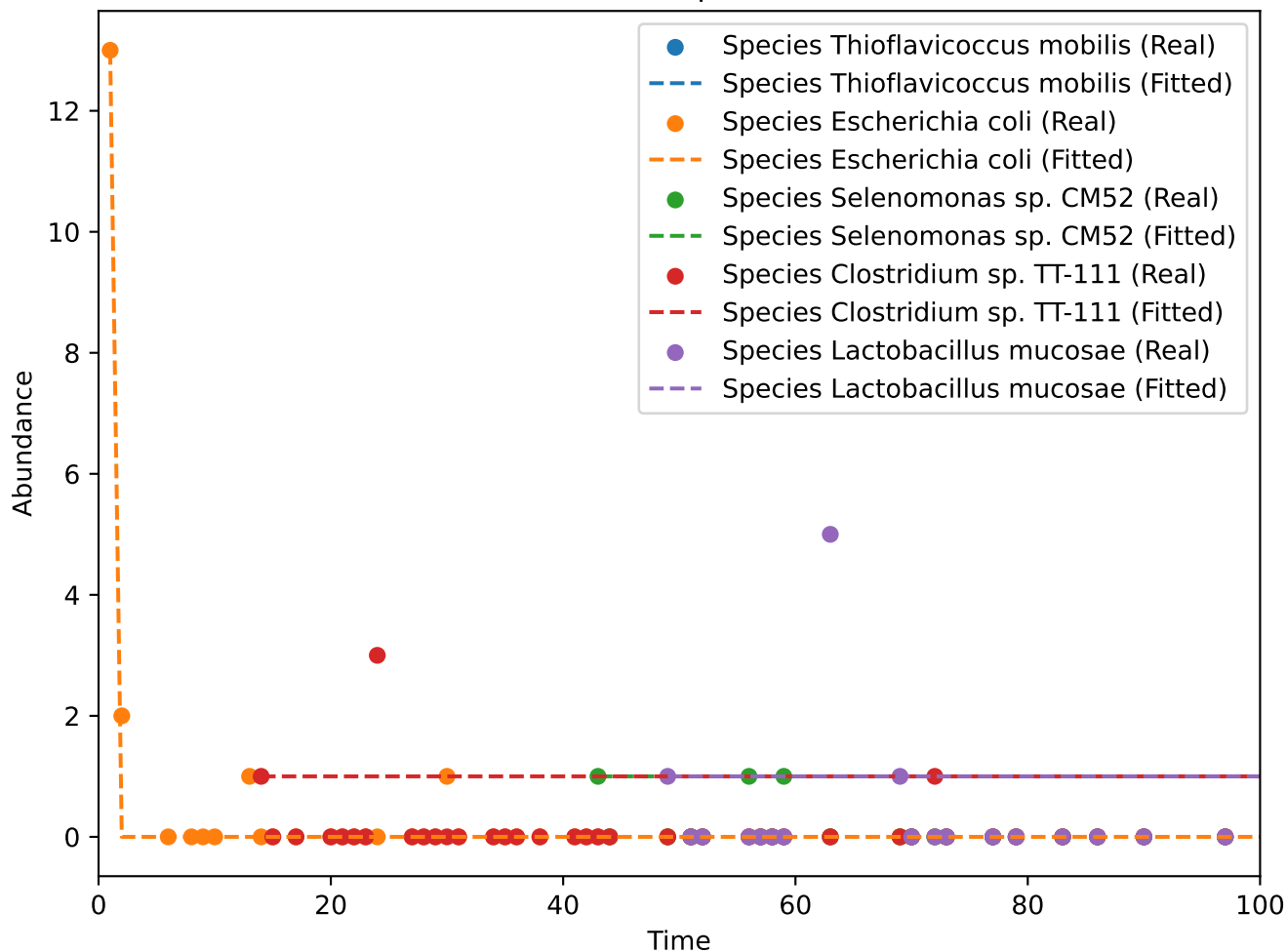
Mouse 8 - Species Fit



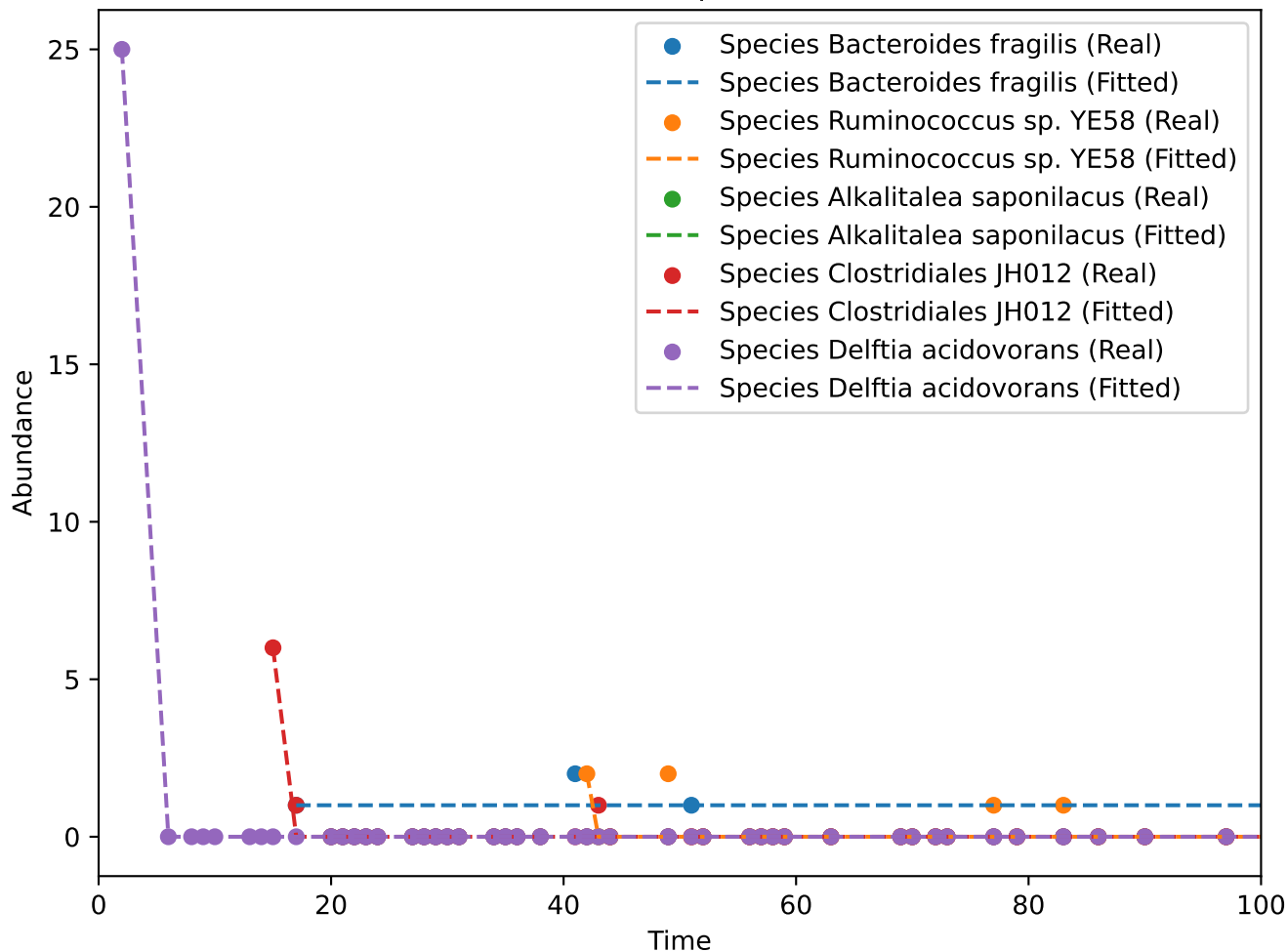
Mouse 8 - Species Fit



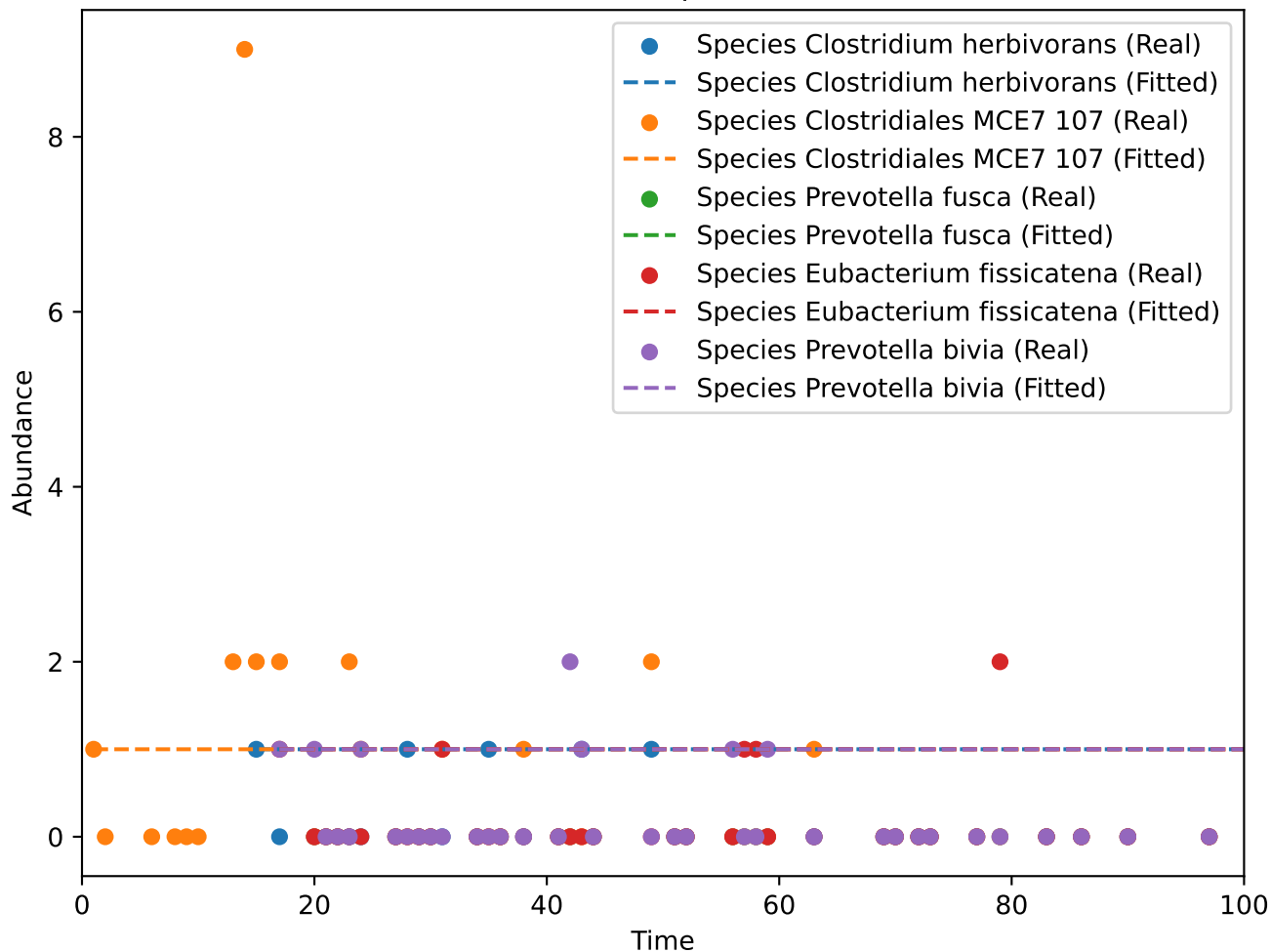
Mouse 8 - Species Fit



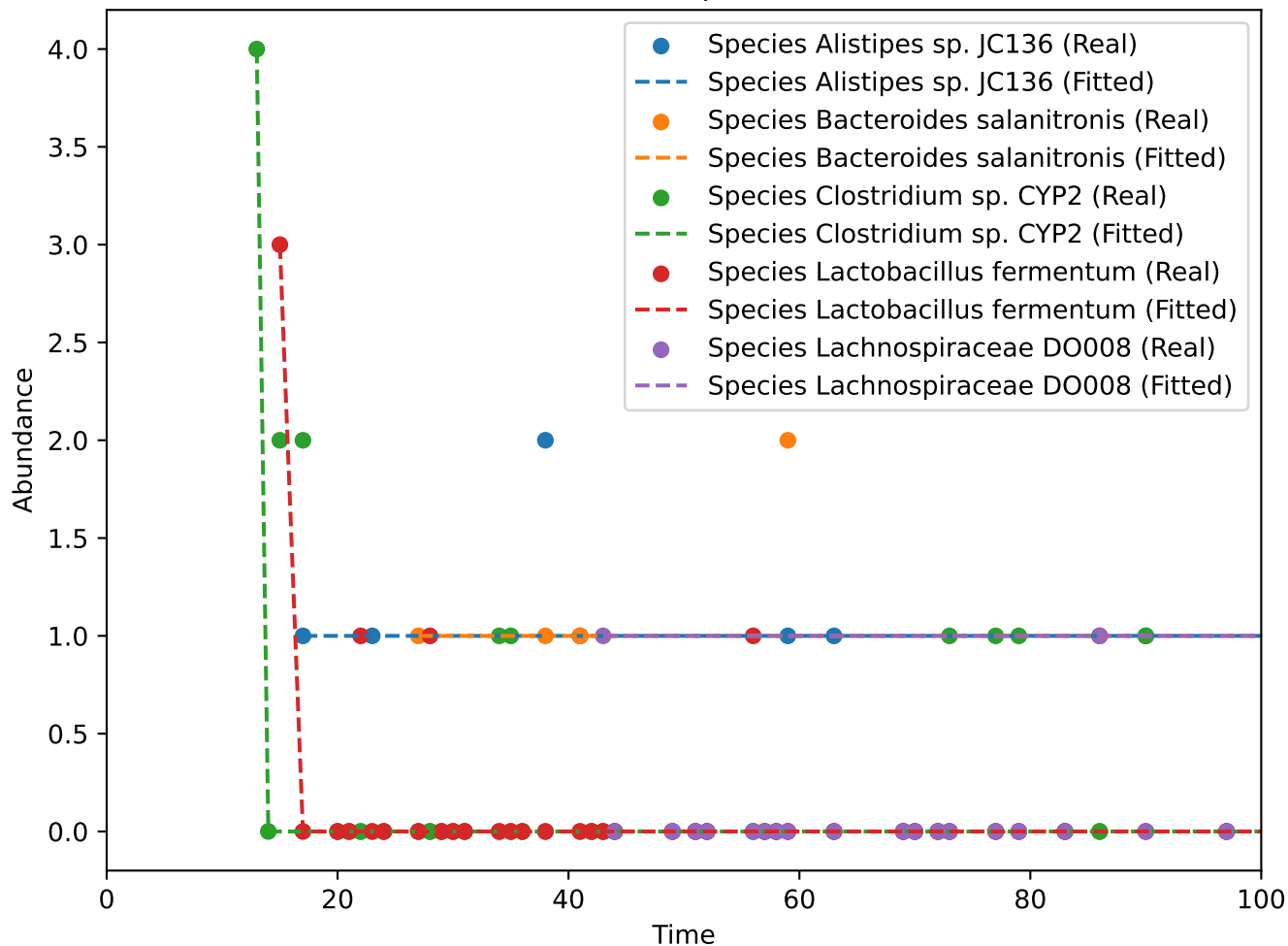
Mouse 8 - Species Fit



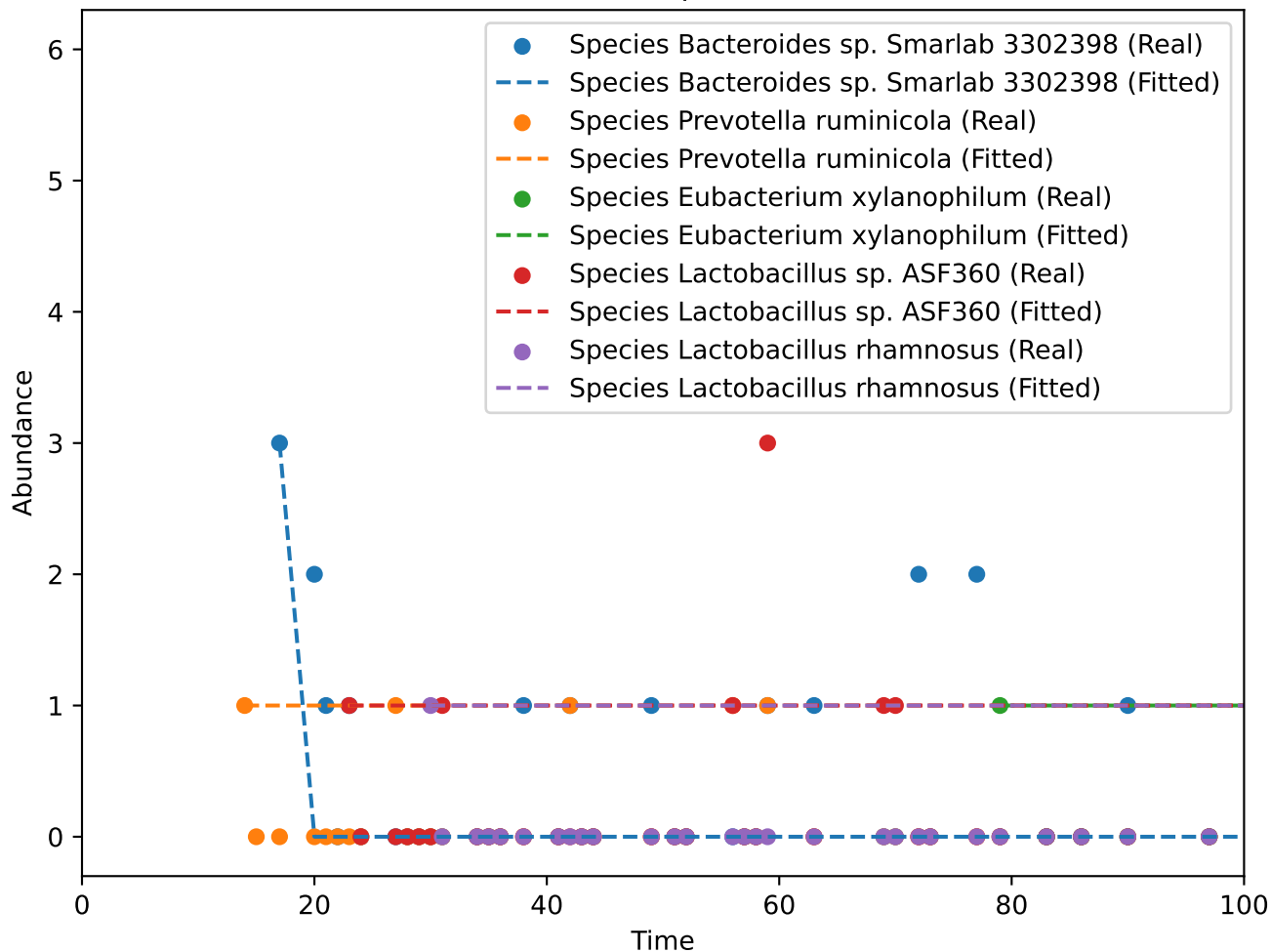
Mouse 8 - Species Fit



Mouse 8 - Species Fit



Mouse 8 - Species Fit



Species 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)

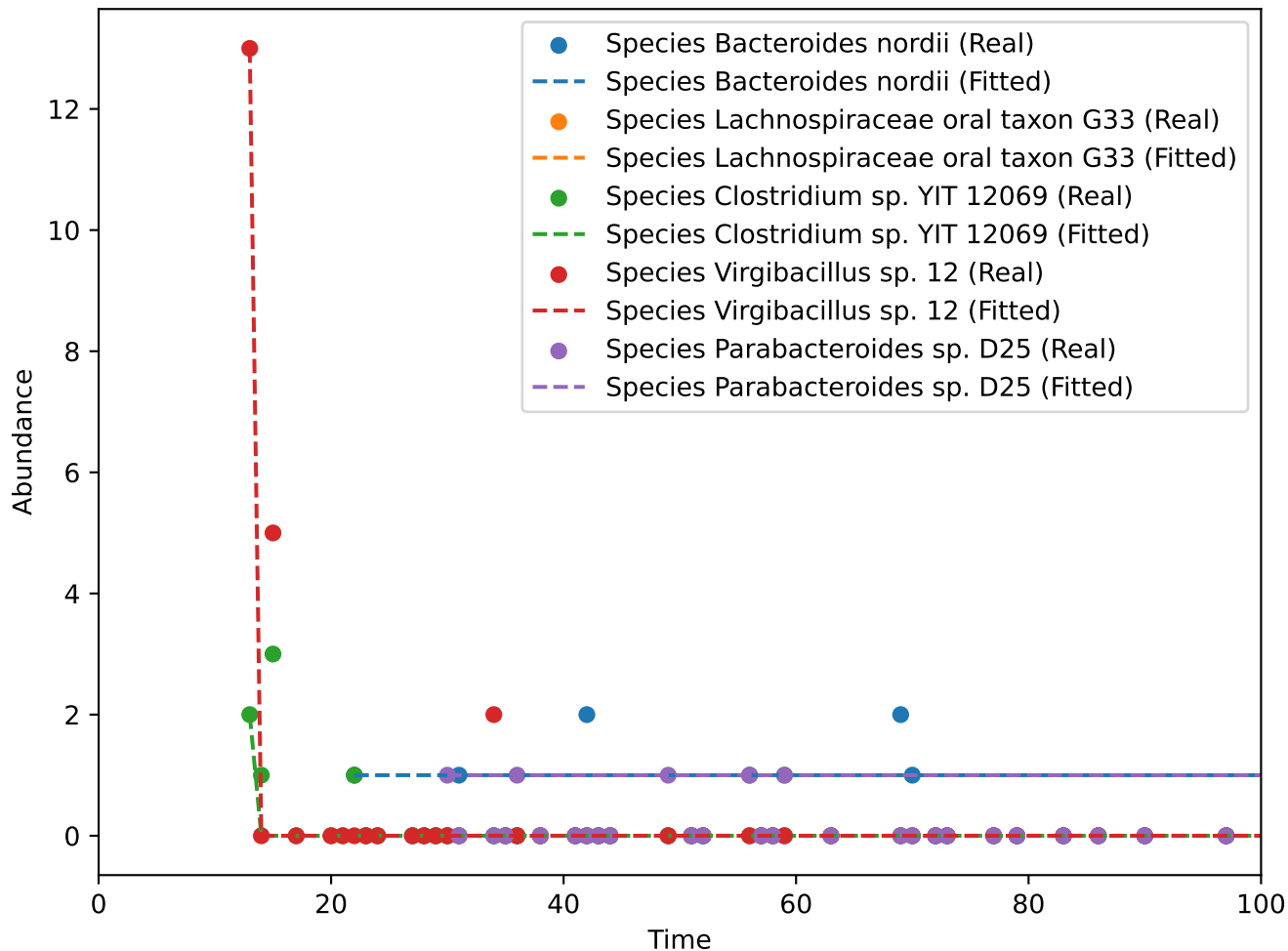
Species Clostridium sp. YIT 12069 (Fitted)

Species Virgibacillus sp. 12 (Real)

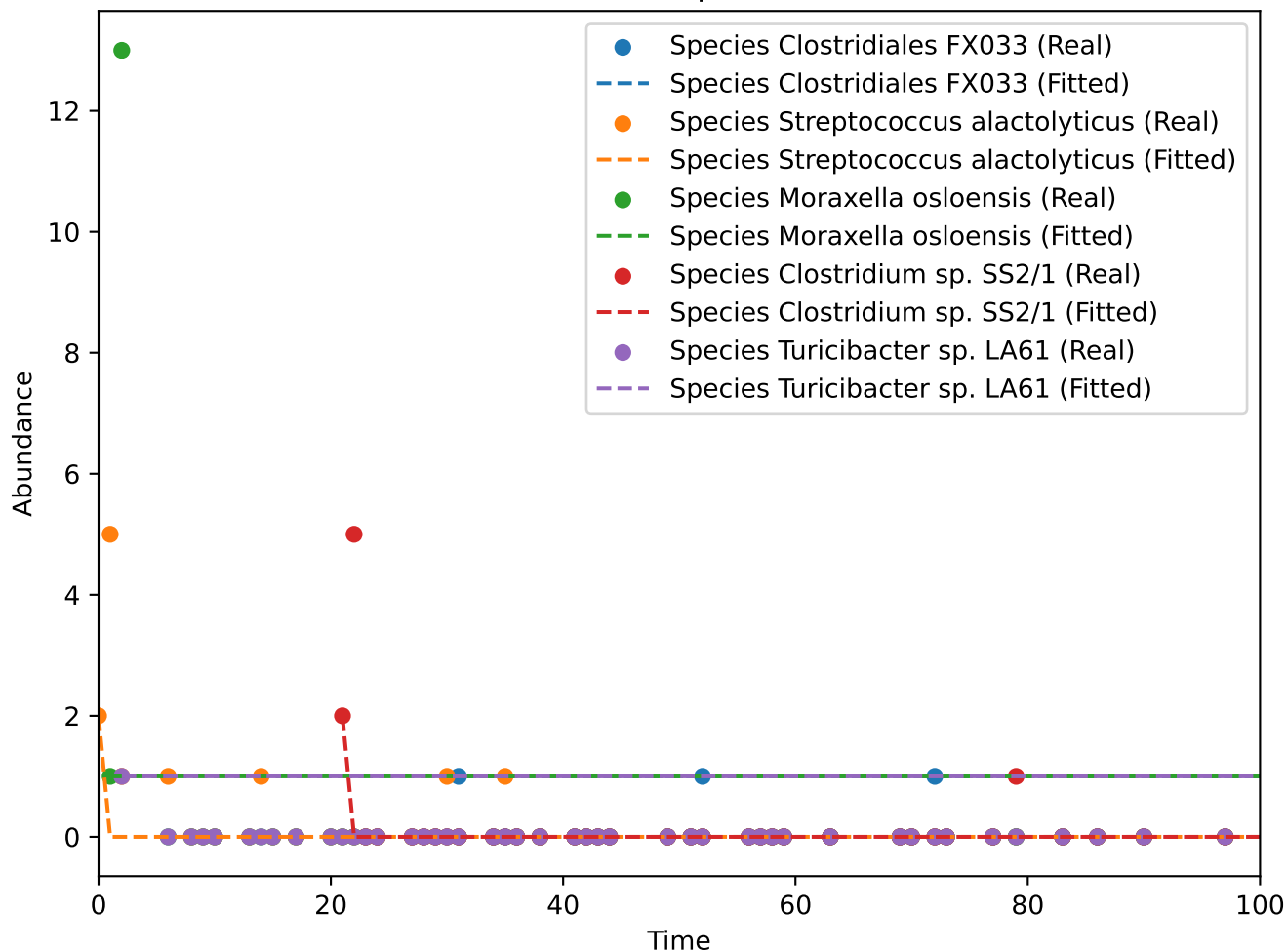
Species Virgibacillus sp. 12 (Fitted)

Species Parabacteroides sp. D25 (Real)

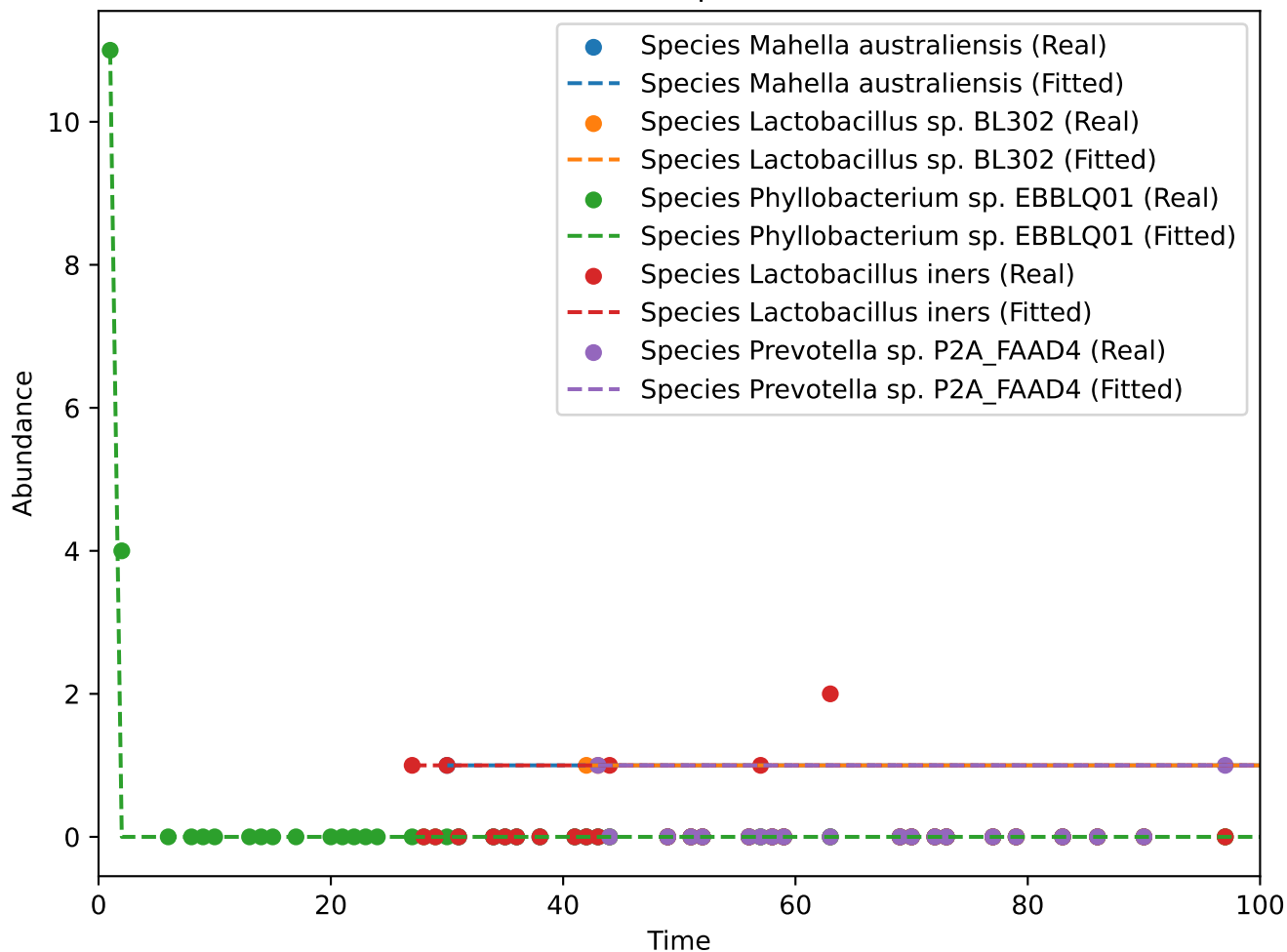
Species Parabacteroides sp. D25 (Fitted)

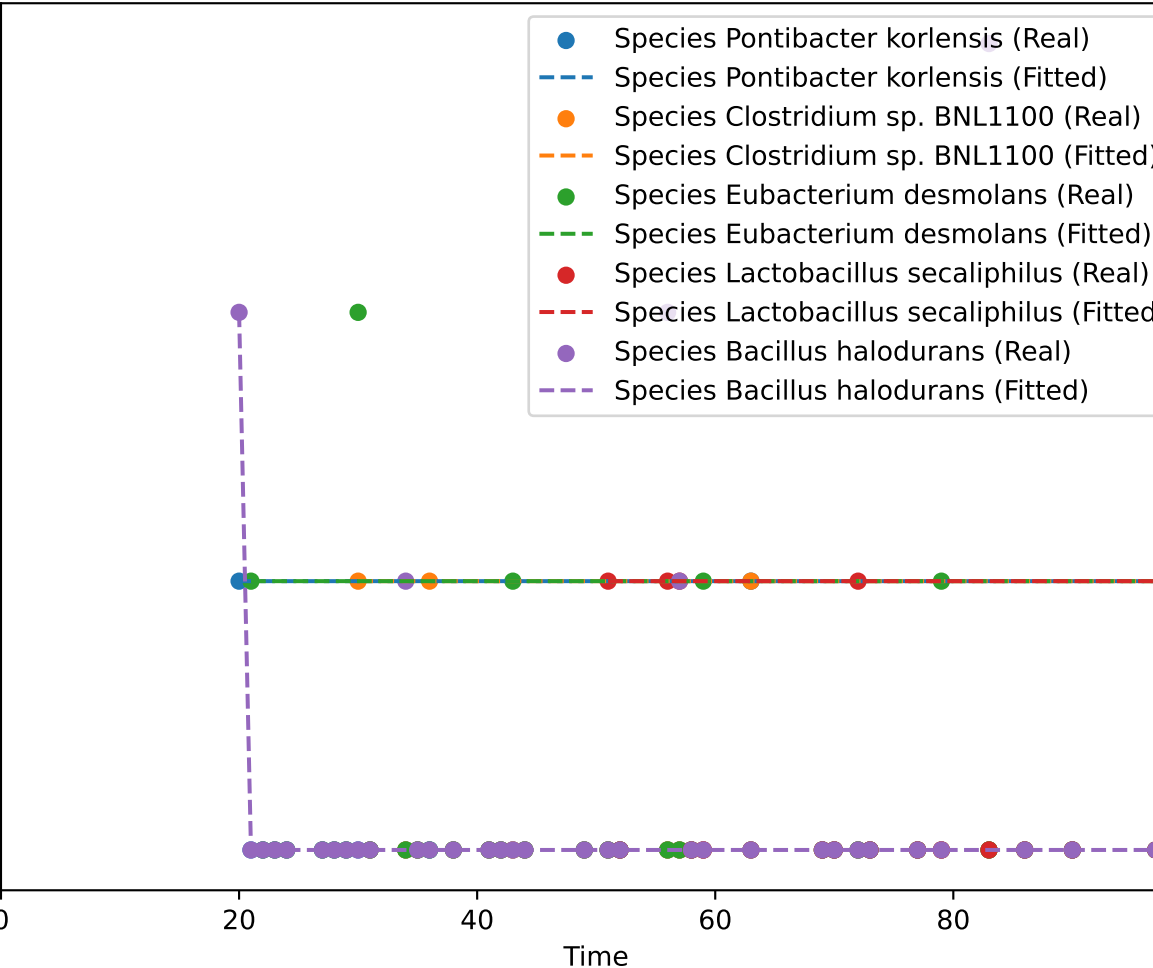


Mouse 8 - Species Fit

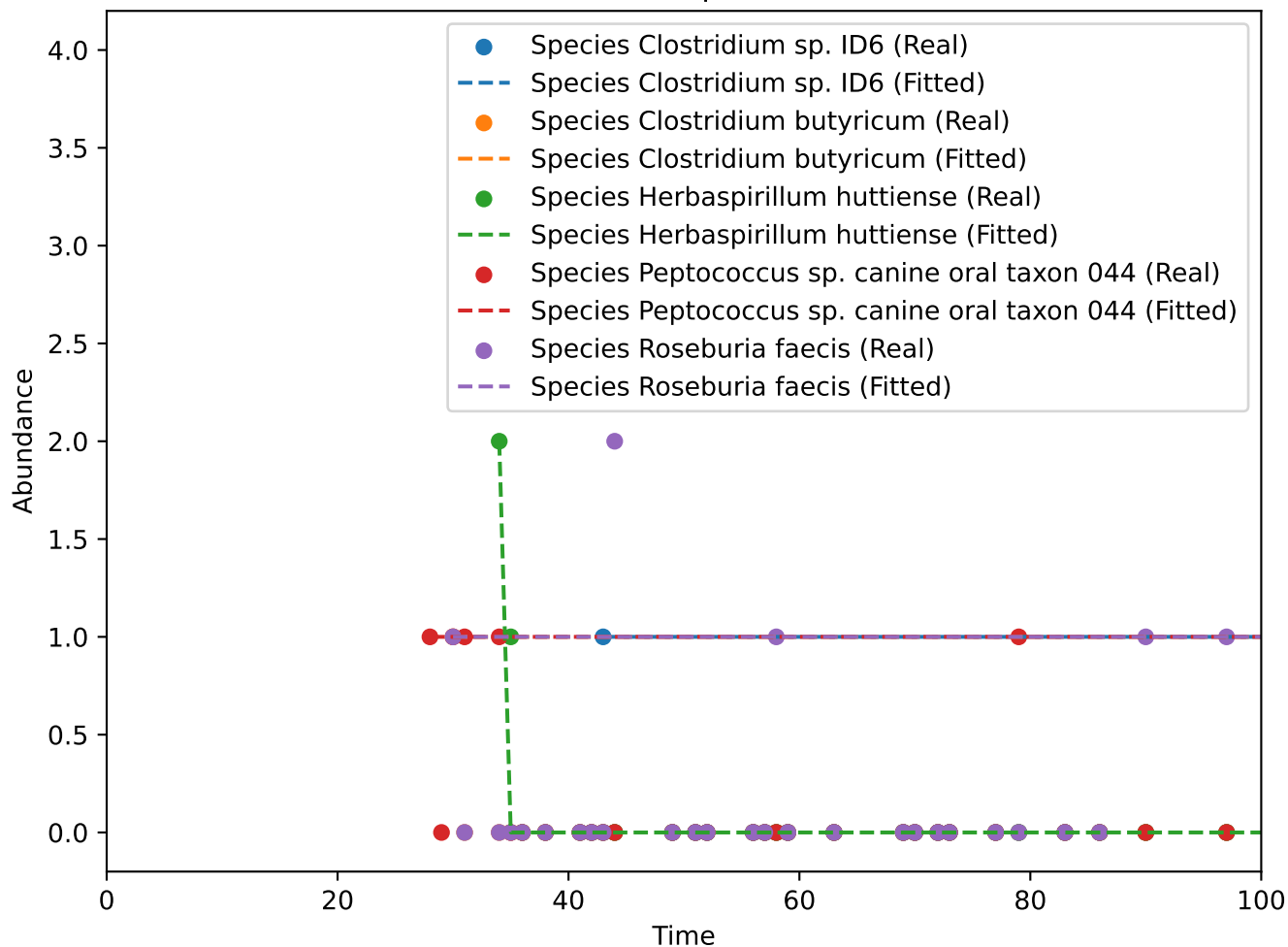


Mouse 8 - Species Fit

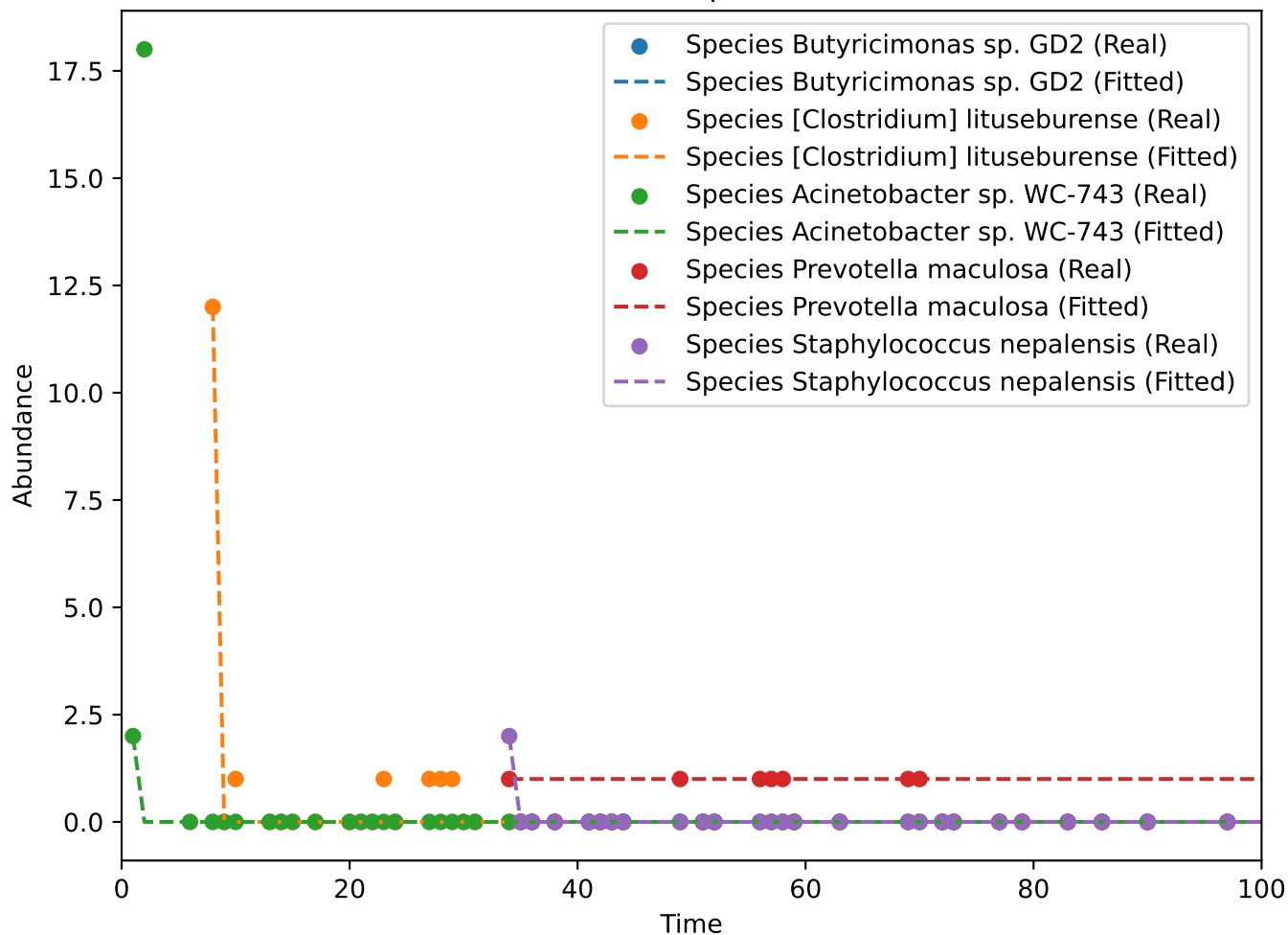




Mouse 8 - Species Fit



Mouse 8 - Species Fit



Mouse 8 - Species Fit

