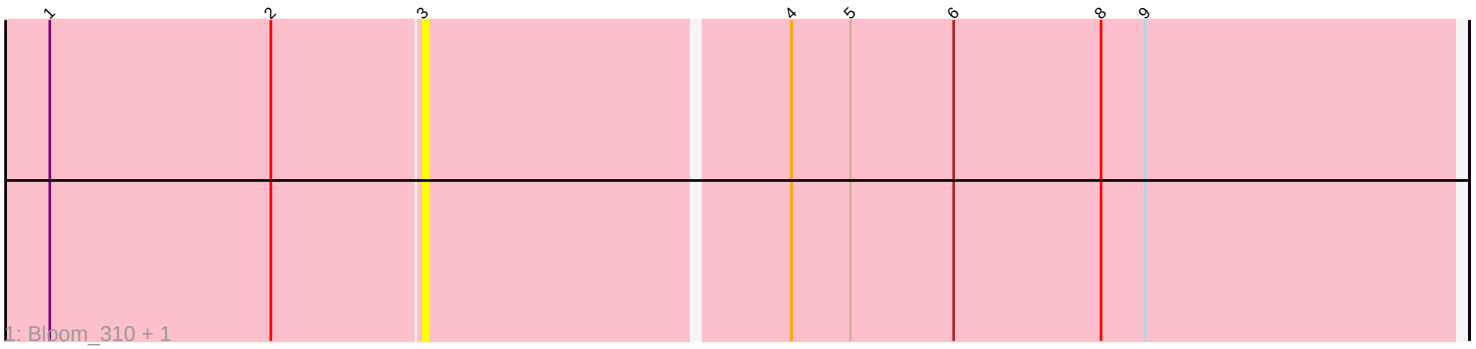
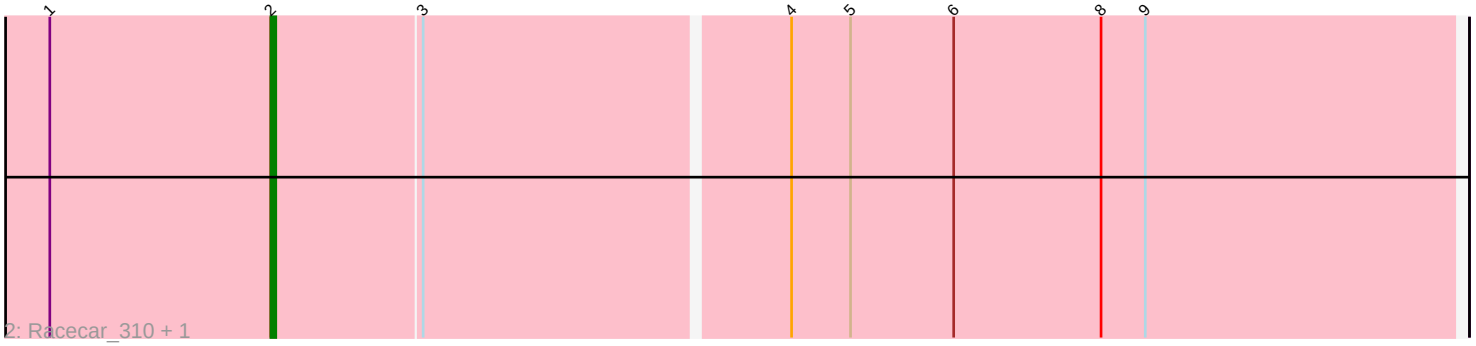
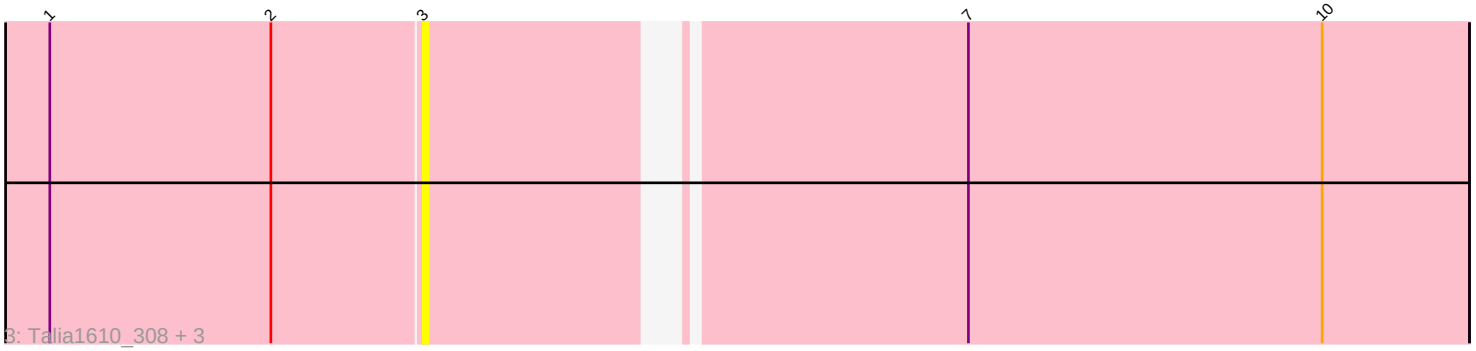
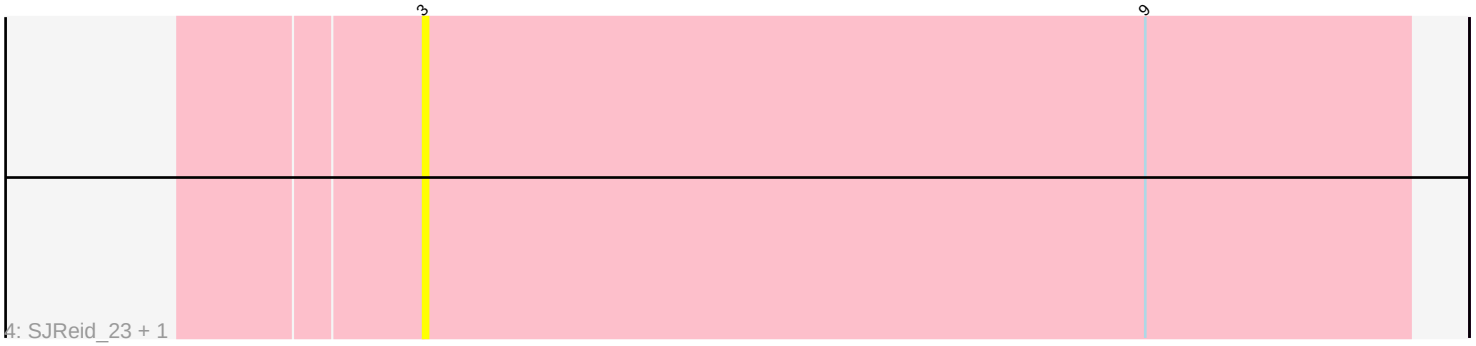
Pham 136077


1
2
3
4
5
6
8
9
1: Bloom_310 + 1


1
2
3
4
5
6
8
9
2: Racecar_310 + 1


1
2
3
7
10
3: Talia1610_308 + 3


3
9
4: SJReid_23 + 1

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 136077 Report

This analysis was run 04/05/24 on database version 557.

Pham number 136077 has 10 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Bloom_310, Bloom_23
• Track 2 : Racecar_310, Racecar_21
• Track 3 : Talia1610_308, Mimi_23, Mimi_313, Talia1610_21
• Track 4 : SJReid_23, SJReid_334

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 2, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Racecar_21, Racecar_310,

Genes that have the "Most Annotated" start but do not call it:
• Bloom_23, Bloom_310, Mimi_23, Mimi_313, Talia1610_21, Talia1610_308,

Genes that do not have the "Most Annotated" start:
• SJReid_23, SJReid_334,

Summary by start number:

Start 2:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Racecar_21 (FC), Racecar_310 (FC),

Start 3:
• Found in 10 of 10 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Bloom_23 (FC), Bloom_310 (FC), Mimi_23 (FC), Mimi_313 (FC), SJReid_23 (FC), SJReid_334 (FC), Talia1610_21 (FC), Talia1610_308 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 2 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Bloom_310 Start: 183833, Stop: 184039, Start Num: 3
Candidate Starts for Bloom_310:
(1, 183758), (Start: 2 @183803 has 2 MA's), (3, 183833), (4, 183905), (5, 183917), (6, 183938), (8, 183968), (9, 183977),

Gene: Bloom_23 Start: 10358, Stop: 10564, Start Num: 3
Candidate Starts for Bloom_23:
(1, 10283), (Start: 2 @10328 has 2 MA's), (3, 10358), (4, 10430), (5, 10442), (6, 10463), (8, 10493), (9, 10502),

Gene: Mimi_23 Start: 9795, Stop: 9995, Start Num: 3
Candidate Starts for Mimi_23:
(1, 9720), (Start: 2 @9765 has 2 MA's), (3, 9795), (7, 9894), (10, 9966),

Gene: Mimi_313 Start: 182455, Stop: 182655, Start Num: 3
Candidate Starts for Mimi_313:
(1, 182380), (Start: 2 @182425 has 2 MA's), (3, 182455), (7, 182554), (10, 182626),

Gene: Racecar_310 Start: 184037, Stop: 184273, Start Num: 2
Candidate Starts for Racecar_310:
(1, 183992), (Start: 2 @184037 has 2 MA's), (3, 184067), (4, 184139), (5, 184151), (6, 184172), (8, 184202), (9, 184211),

Gene: Racecar_21 Start: 10328, Stop: 10564, Start Num: 2
Candidate Starts for Racecar_21:
(1, 10283), (Start: 2 @10328 has 2 MA's), (3, 10358), (4, 10430), (5, 10442), (6, 10463), (8, 10493), (9, 10502),

Gene: SJReid_23 Start: 10062, Stop: 10262, Start Num: 3
Candidate Starts for SJReid_23:
(3, 10062), (9, 10209),

Gene: SJReid_334 Start: 182901, Stop: 183101, Start Num: 3
Candidate Starts for SJReid_334:
(3, 182901), (9, 183048),

Gene: Talia1610_308 Start: 184269, Stop: 184469, Start Num: 3
Candidate Starts for Talia1610_308:
(1, 184194), (Start: 2 @184239 has 2 MA's), (3, 184269), (7, 184368), (10, 184440),

Gene: Talia1610_21 Start: 9797, Stop: 9997, Start Num: 3

Candidate Starts for Talia1610_21:
(1, 9722), (Start: 2 @9767 has 2 MA's), (3, 9797), (7, 9896), (10, 9968),