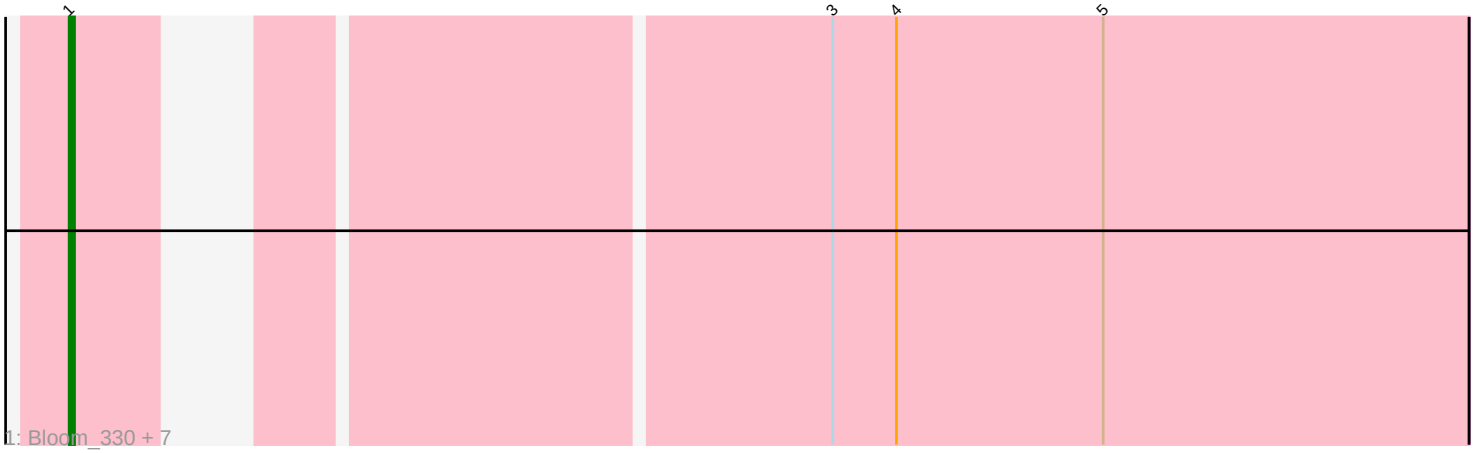
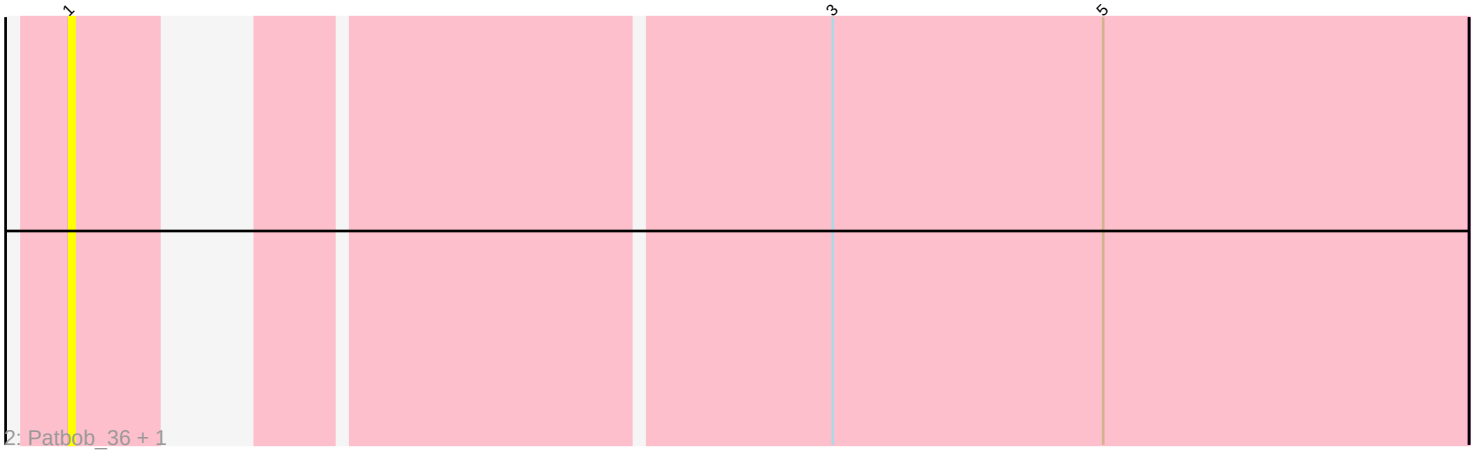
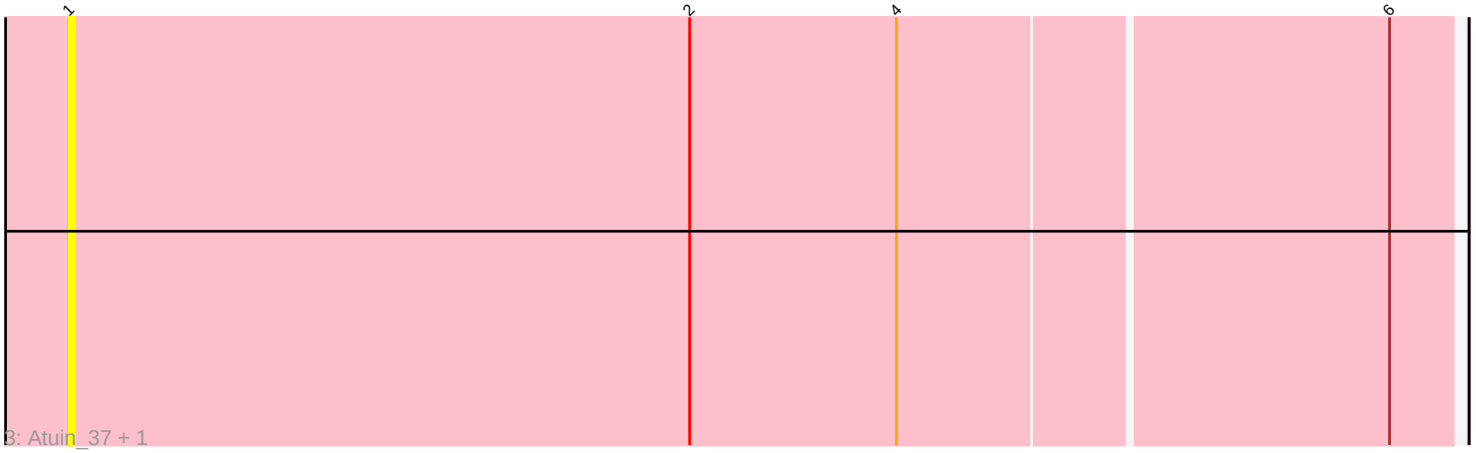
Pham 136022







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 136022 Report

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

Pham number 136022 has 12 members, 10 are drafts.

Phages represented in each track:
• Track 1 : Bloom_330, Mimi_43, Bloom_43, Talia1610_327, Racecar_40, Talia1610_40, Racecar_329, Mimi_333
• Track 2 : Patbob_36, Patbob_326
• Track 3 : Atuin_37, Atuin_344

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

The start number called the most often in the published annotations is 1, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_344, Atuin_37, Bloom_330, Bloom_43, Mimi_333, Mimi_43, Patbob_326, Patbob_36, Racecar_329, Racecar_40, Talia1610_327, Talia1610_40,

Genes that have the "Most Annotated" start but do not call it:
•

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

Summary by start number:

Start 1:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_344 (FC), Atuin_37 (FC), Bloom_330 (FC), Bloom_43 (FC), Mimi_333 (FC), Mimi_43 (FC), Patbob_326 (FC), Patbob_36 (FC), Racecar_329 (FC), Racecar_40 (FC), Talia1610_327 (FC), Talia1610_40 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 1 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Atuin_37 Start: 15585, Stop: 15328, Start Num: 1
Candidate Starts for Atuin_37:
(Start: 1 @15585 has 2 MA's), (2, 15468), (4, 15429), (6, 15339),

Gene: Atuin_344 Start: 192473, Stop: 192216, Start Num: 1
Candidate Starts for Atuin_344:
(Start: 1 @192473 has 2 MA's), (2, 192356), (4, 192317), (6, 192227),

Gene: Bloom_330 Start: 191075, Stop: 191314, Start Num: 1
Candidate Starts for Bloom_330:
(Start: 1 @191075 has 2 MA's), (3, 191195), (4, 191207), (5, 191246),

Gene: Bloom_43 Start: 17600, Stop: 17839, Start Num: 1
Candidate Starts for Bloom_43:
(Start: 1 @17600 has 2 MA's), (3, 17720), (4, 17732), (5, 17771),

Gene: Mimi_43 Start: 16768, Stop: 17007, Start Num: 1
Candidate Starts for Mimi_43:
(Start: 1 @16768 has 2 MA's), (3, 16888), (4, 16900), (5, 16939),

Gene: Mimi_333 Start: 189428, Stop: 189667, Start Num: 1
Candidate Starts for Mimi_333:
(Start: 1 @189428 has 2 MA's), (3, 189548), (4, 189560), (5, 189599),

Gene: Patbob_36 Start: 16336, Stop: 16575, Start Num: 1
Candidate Starts for Patbob_36:
(Start: 1 @16336 has 2 MA's), (3, 16456), (5, 16507),

Gene: Patbob_326 Start: 191795, Stop: 192034, Start Num: 1
Candidate Starts for Patbob_326:
(Start: 1 @191795 has 2 MA's), (3, 191915), (5, 191966),

Gene: Racecar_40 Start: 17368, Stop: 17607, Start Num: 1
Candidate Starts for Racecar_40:
(Start: 1 @17368 has 2 MA's), (3, 17488), (4, 17500), (5, 17539),

Gene: Racecar_329 Start: 191077, Stop: 191316, Start Num: 1
Candidate Starts for Racecar_329:
(Start: 1 @191077 has 2 MA's), (3, 191197), (4, 191209), (5, 191248),

Gene: Talia1610_327 Start: 191258, Stop: 191497, Start Num: 1
Candidate Starts for Talia1610_327:
(Start: 1 @191258 has 2 MA's), (3, 191378), (4, 191390), (5, 191429),

Gene: Talia1610_40 Start: 16786, Stop: 17025, Start Num: 1

Candidate Starts for Talia1610_40:
(Start: 1 @16786 has 2 MA's), (3, 16906), (4, 16918), (5, 16957),