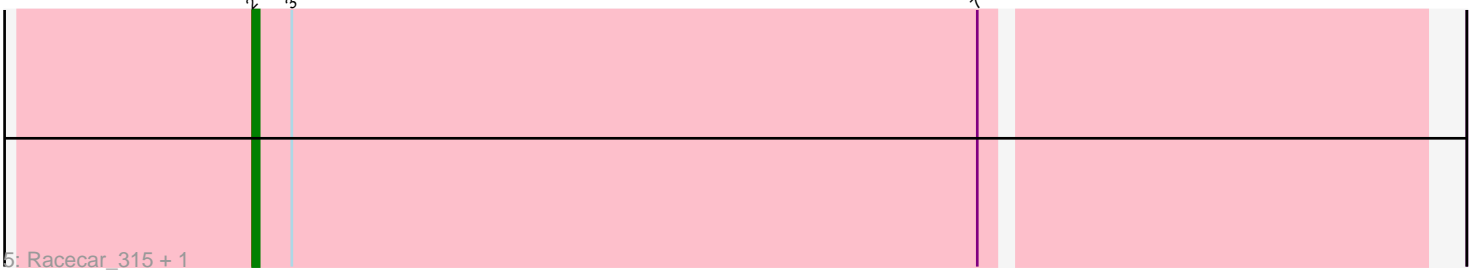
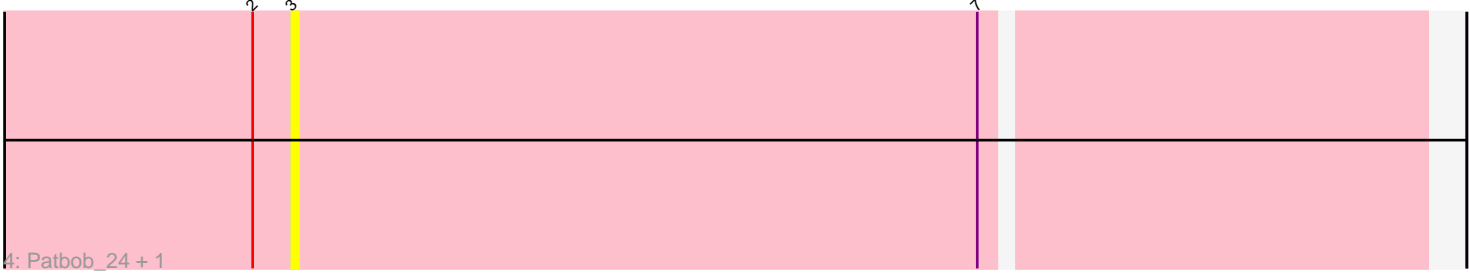
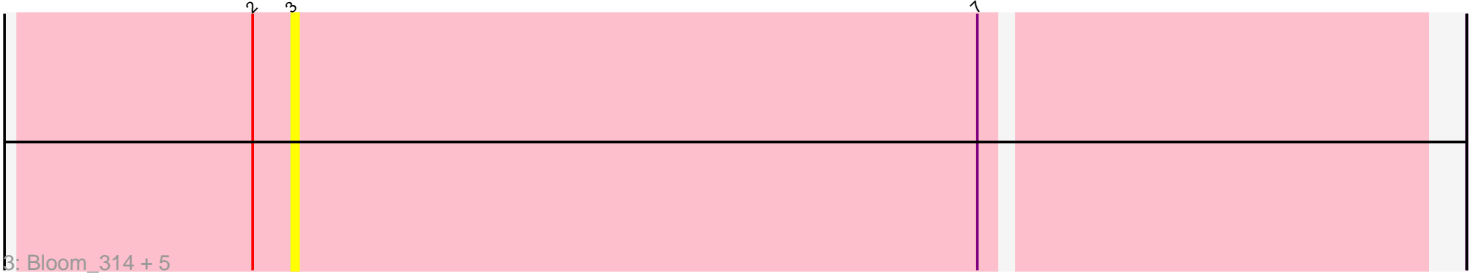
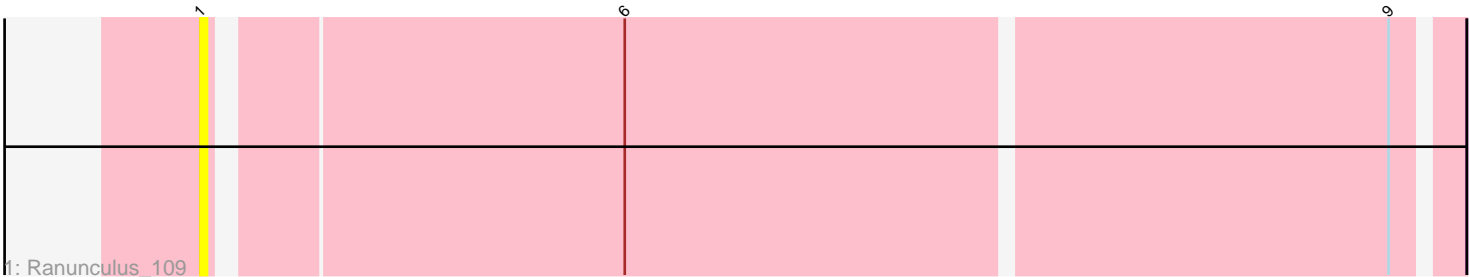


Pham 10375



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 10375 Report

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

Pham number 10375 has 12 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Ranunculus_109
- Track 2 : MellowYellow_121
- Track 3 : Bloom_314, Mimi_27, Talia1610_312, Mimi_317, Talia1610_25, Bloom_27
- Track 4 : Patbob_24, Patbob_314
- Track 5 : Racecar_315, Racecar_26

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_26, Racecar_315,

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

- Bloom_27, Bloom_314, Mimi_27, Mimi_317, Patbob_24, Patbob_314, Talia1610_25, Talia1610_312,

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

- MellowYellow_121, Ranunculus_109,

Summary by start number:

Start 1:

- Found in 2 of 12 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MellowYellow_121 (AP2), Ranunculus_109 (AP),

Start 2:

- Found in 10 of 12 (83.3%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 20.0% of time when present

- Phage (with cluster) where this start called: Racecar_26 (FC), Racecar_315 (FC),

Start 3:

- Found in 10 of 12 (83.3%) 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_27 (FC), Bloom_314 (FC), Mimi_27 (FC), Mimi_317 (FC), Patbob_24 (FC), Patbob_314 (FC), Talia1610_25 (FC), Talia1610_312 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: AP2, AP, FC,

Info for manual annotations of cluster FC:

- Start number 2 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Bloom_314 Start: 185745, Stop: 185915, Start Num: 3

Candidate Starts for Bloom_314:

(Start: 2 @185739 has 2 MA's), (3, 185745), (7, 185850),

Gene: Bloom_27 Start: 12270, Stop: 12440, Start Num: 3

Candidate Starts for Bloom_27:

(Start: 2 @12264 has 2 MA's), (3, 12270), (7, 12375),

Gene: MellowYellow_121 Start: 68235, Stop: 68047, Start Num: 1

Candidate Starts for MellowYellow_121:

(1, 68235), (4, 68193), (5, 68181), (8, 68091),

Gene: Mimi_27 Start: 11679, Stop: 11849, Start Num: 3

Candidate Starts for Mimi_27:

(Start: 2 @11673 has 2 MA's), (3, 11679), (7, 11784),

Gene: Mimi_317 Start: 184339, Stop: 184509, Start Num: 3

Candidate Starts for Mimi_317:

(Start: 2 @184333 has 2 MA's), (3, 184339), (7, 184444),

Gene: Patbob_24 Start: 12216, Stop: 12386, Start Num: 3

Candidate Starts for Patbob_24:

(Start: 2 @12210 has 2 MA's), (3, 12216), (7, 12321),

Gene: Patbob_314 Start: 187675, Stop: 187845, Start Num: 3

Candidate Starts for Patbob_314:

(Start: 2 @187669 has 2 MA's), (3, 187675), (7, 187780),

Gene: Racecar_315 Start: 185973, Stop: 186149, Start Num: 2

Candidate Starts for Racecar_315:

(Start: 2 @185973 has 2 MA's), (3, 185979), (7, 186084),

Gene: Racecar_26 Start: 12264, Stop: 12440, Start Num: 2

Candidate Starts for Racecar_26:

(Start: 2 @12264 has 2 MA's), (3, 12270), (7, 12375),

Gene: Ranunculus_109 Start: 67635, Stop: 67453, Start Num: 1

Candidate Starts for Ranunculus_109:

(1, 67635), (6, 67575), (9, 67461),

Gene: Talia1610_312 Start: 186165, Stop: 186335, Start Num: 3

Candidate Starts for Talia1610_312:

(Start: 2 @186159 has 2 MA's), (3, 186165), (7, 186270),

Gene: Talia1610_25 Start: 11693, Stop: 11863, Start Num: 3

Candidate Starts for Talia1610_25:

(Start: 2 @11687 has 2 MA's), (3, 11693), (7, 11798),