



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 136017 Report

This analysis was run 04/28/24 on database version 559.

Pham number 136017 has 12 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Bloom_309, Racecar_20, Racecar_309, Bloom_22
- Track 2 : Talia1610_307, Mimi_312, Mimi_22, Talia1610_20
- Track 3 : Patbob_19, Patbob_309
- Track 4 : Atuin_18, Atuin_325

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_18, Atuin_325, Bloom_22, Bloom_309, Mimi_22, Mimi_312, Patbob_19, Patbob_309, Racecar_20, Racecar_309, Talia1610_20, Talia1610_307,

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_18 (FC), Atuin_325 (FC), Bloom_22 (FC), Bloom_309 (FC), Mimi_22 (FC), Mimi_312 (FC), Patbob_19 (FC), Patbob_309 (FC), Racecar_20 (FC), Racecar_309 (FC), Talia1610_20 (FC), Talia1610_307 (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_18 Start: 8916, Stop: 9272, Start Num: 1

Candidate Starts for Atuin_18:

(Start: 1 @8916 has 2 MA's), (2, 8937), (5, 9072), (6, 9090), (7, 9183),

Gene: Atuin_325 Start: 185804, Stop: 186160, Start Num: 1

Candidate Starts for Atuin_325:

(Start: 1 @185804 has 2 MA's), (2, 185825), (5, 185960), (6, 185978), (7, 186071),

Gene: Bloom_309 Start: 183395, Stop: 183748, Start Num: 1

Candidate Starts for Bloom_309:

(Start: 1 @183395 has 2 MA's), (2, 183413), (3, 183500), (4, 183512), (5, 183548),

Gene: Bloom_22 Start: 9920, Stop: 10273, Start Num: 1

Candidate Starts for Bloom_22:

(Start: 1 @9920 has 2 MA's), (2, 9938), (3, 10025), (4, 10037), (5, 10073),

Gene: Mimi_312 Start: 182017, Stop: 182370, Start Num: 1

Candidate Starts for Mimi_312:

(Start: 1 @182017 has 2 MA's), (2, 182035), (4, 182134), (5, 182170), (8, 182308), (9, 182311), (10, 182320),

Gene: Mimi_22 Start: 9357, Stop: 9710, Start Num: 1

Candidate Starts for Mimi_22:

(Start: 1 @9357 has 2 MA's), (2, 9375), (4, 9474), (5, 9510), (8, 9648), (9, 9651), (10, 9660),

Gene: Patbob_19 Start: 9771, Stop: 10127, Start Num: 1

Candidate Starts for Patbob_19:

(Start: 1 @9771 has 2 MA's), (2, 9792), (4, 9891), (5, 9927), (8, 10065), (10, 10077),

Gene: Patbob_309 Start: 185230, Stop: 185586, Start Num: 1

Candidate Starts for Patbob_309:

(Start: 1 @185230 has 2 MA's), (2, 185251), (4, 185350), (5, 185386), (8, 185524), (10, 185536),

Gene: Racecar_20 Start: 9920, Stop: 10273, Start Num: 1

Candidate Starts for Racecar_20:

(Start: 1 @9920 has 2 MA's), (2, 9938), (3, 10025), (4, 10037), (5, 10073),

Gene: Racecar_309 Start: 183629, Stop: 183982, Start Num: 1

Candidate Starts for Racecar_309:

(Start: 1 @183629 has 2 MA's), (2, 183647), (3, 183734), (4, 183746), (5, 183782),

Gene: Talia1610_307 Start: 183831, Stop: 184184, Start Num: 1

Candidate Starts for Talia1610_307:

(Start: 1 @183831 has 2 MA's), (2, 183849), (4, 183948), (5, 183984), (8, 184122), (9, 184125), (10, 184134),

Gene: Talia1610_20 Start: 9359, Stop: 9712, Start Num: 1

Candidate Starts for Talia1610_20:

(Start: 1 @9359 has 2 MA's), (2, 9377), (4, 9476), (5, 9512), (8, 9650), (9, 9653), (10, 9662),