



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 136071 Report

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

Pham number 136071 has 14 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Atuin_32, DunneganBoMo_32, DunneganBoMo_335, Atuin_339
- Track 2 : Mimi_334, Talia1610_328, Racecar_41, Talia1610_41, Mimi_44, Racecar_330
- Track 3 : Bloom_331, Patbob_37, Patbob_327, Bloom_44

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_32, Atuin_339, Bloom_331, Bloom_44, DunneganBoMo_32, DunneganBoMo_335, Mimi_334, Mimi_44, Patbob_327, Patbob_37, Racecar_330, Racecar_41, Talia1610_328, Talia1610_41,

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 14 of 14 (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_32 (FC), Atuin_339 (FC), Bloom_331 (FC), Bloom_44 (FC), DunneganBoMo_32 (FC), DunneganBoMo_335 (FC), Mimi_334 (FC), Mimi_44 (FC), Patbob_327 (FC), Patbob_37 (FC), Racecar_330 (FC), Racecar_41 (FC), Talia1610_328 (FC), Talia1610_41 (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_32 Start: 13788, Stop: 13570, Start Num: 1

Candidate Starts for Atuin_32:

(Start: 1 @13788 has 2 MA's), (5, 13599),

Gene: Atuin_339 Start: 190676, Stop: 190458, Start Num: 1

Candidate Starts for Atuin_339:

(Start: 1 @190676 has 2 MA's), (5, 190487),

Gene: Bloom_331 Start: 191380, Stop: 191628, Start Num: 1

Candidate Starts for Bloom_331:

(Start: 1 @191380 has 2 MA's), (2, 191509), (4, 191569), (7, 191587), (8, 191602),

Gene: Bloom_44 Start: 17905, Stop: 18153, Start Num: 1

Candidate Starts for Bloom_44:

(Start: 1 @17905 has 2 MA's), (2, 18034), (4, 18094), (7, 18112), (8, 18127),

Gene: DunneganBoMo_32 Start: 13182, Stop: 12967, Start Num: 1

Candidate Starts for DunneganBoMo_32:

(Start: 1 @13182 has 2 MA's), (5, 12996),

Gene: DunneganBoMo_335 Start: 192594, Stop: 192379, Start Num: 1

Candidate Starts for DunneganBoMo_335:

(Start: 1 @192594 has 2 MA's), (5, 192408),

Gene: Mimi_334 Start: 189733, Stop: 189981, Start Num: 1

Candidate Starts for Mimi_334:

(Start: 1 @189733 has 2 MA's), (2, 189862), (3, 189910), (4, 189922), (6, 189928), (7, 189940), (8, 189955),

Gene: Mimi_44 Start: 17073, Stop: 17321, Start Num: 1

Candidate Starts for Mimi_44:

(Start: 1 @17073 has 2 MA's), (2, 17202), (3, 17250), (4, 17262), (6, 17268), (7, 17280), (8, 17295),

Gene: Patbob_37 Start: 16641, Stop: 16889, Start Num: 1

Candidate Starts for Patbob_37:

(Start: 1 @16641 has 2 MA's), (2, 16770), (4, 16830), (7, 16848), (8, 16863),

Gene: Patbob_327 Start: 192100, Stop: 192348, Start Num: 1

Candidate Starts for Patbob_327:

(Start: 1 @192100 has 2 MA's), (2, 192229), (4, 192289), (7, 192307), (8, 192322),

Gene: Racecar_41 Start: 17673, Stop: 17921, Start Num: 1

Candidate Starts for Racecar_41:

(Start: 1 @17673 has 2 MA's), (2, 17802), (3, 17850), (4, 17862), (6, 17868), (7, 17880), (8, 17895),

Gene: Racecar_330 Start: 191382, Stop: 191630, Start Num: 1

Candidate Starts for Racecar_330:

(Start: 1 @191382 has 2 MA's), (2, 191511), (3, 191559), (4, 191571), (6, 191577), (7, 191589), (8, 191604),

Gene: Talia1610_328 Start: 191563, Stop: 191811, Start Num: 1

Candidate Starts for Talia1610_328:

(Start: 1 @191563 has 2 MA's), (2, 191692), (3, 191740), (4, 191752), (6, 191758), (7, 191770), (8, 191785),

Gene: Talia1610_41 Start: 17091, Stop: 17339, Start Num: 1

Candidate Starts for Talia1610_41:

(Start: 1 @17091 has 2 MA's), (2, 17220), (3, 17268), (4, 17280), (6, 17286), (7, 17298), (8, 17313),