



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 135946 Report

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

Pham number 135946 has 16 members, 14 are drafts.

Phages represented in each track:

- Track 1 : DunneganBoMo_24, DunneganBoMo_327
- Track 2 : SJReid_337, SJReid_26
- Track 3 : Talia1610_310, Talia1610_23
- Track 4 : Patbob_22, Bloom_312, Racecar_24, Racecar_313, Patbob_312, Bloom_25
- Track 5 : Atuin_19, Atuin_326
- Track 6 : Mimi_25, Mimi_315

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atuin_19, Atuin_326, Bloom_25, Bloom_312, DunneganBoMo_24, DunneganBoMo_327, Mimi_25, Mimi_315, Patbob_22, Patbob_312, Racecar_24, Racecar_313, SJReid_26, SJReid_337, Talia1610_23, Talia1610_310,

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 3:

- Found in 16 of 16 (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_19 (FC), Atuin_326 (FC), Bloom_25 (FC), Bloom_312 (FC), DunneganBoMo_24 (FC), DunneganBoMo_327 (FC), Mimi_25 (FC), Mimi_315 (FC), Patbob_22 (FC), Patbob_312 (FC), Racecar_24 (FC), Racecar_313 (FC), SJReid_26 (FC), SJReid_337 (FC), Talia1610_23 (FC),

Talia1610_310 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 3 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Atuin_19 Start: 9331, Stop: 9537, Start Num: 3

Candidate Starts for Atuin_19:

(1, 9109), (2, 9115), (Start: 3 @9331 has 2 MA's), (5, 9388),

Gene: Atuin_326 Start: 186219, Stop: 186425, Start Num: 3

Candidate Starts for Atuin_326:

(1, 185997), (2, 186003), (Start: 3 @186219 has 2 MA's), (5, 186276),

Gene: Bloom_312 Start: 185109, Stop: 185312, Start Num: 3

Candidate Starts for Bloom_312:

(Start: 3 @185109 has 2 MA's), (4, 185166), (9, 185286),

Gene: Bloom_25 Start: 11634, Stop: 11837, Start Num: 3

Candidate Starts for Bloom_25:

(Start: 3 @11634 has 2 MA's), (4, 11691), (9, 11811),

Gene: DunneganBoMo_24 Start: 9696, Stop: 9902, Start Num: 3

Candidate Starts for DunneganBoMo_24:

(Start: 3 @9696 has 2 MA's), (6, 9789), (8, 9861),

Gene: DunneganBoMo_327 Start: 189108, Stop: 189314, Start Num: 3

Candidate Starts for DunneganBoMo_327:

(Start: 3 @189108 has 2 MA's), (6, 189201), (8, 189273),

Gene: Mimi_25 Start: 11043, Stop: 11246, Start Num: 3

Candidate Starts for Mimi_25:

(Start: 3 @11043 has 2 MA's), (4, 11100), (7, 11169), (9, 11220),

Gene: Mimi_315 Start: 183703, Stop: 183906, Start Num: 3

Candidate Starts for Mimi_315:

(Start: 3 @183703 has 2 MA's), (4, 183760), (7, 183829), (9, 183880),

Gene: Patbob_22 Start: 11578, Stop: 11781, Start Num: 3

Candidate Starts for Patbob_22:

(Start: 3 @11578 has 2 MA's), (4, 11635), (9, 11755),

Gene: Patbob_312 Start: 187037, Stop: 187240, Start Num: 3

Candidate Starts for Patbob_312:

(Start: 3 @187037 has 2 MA's), (4, 187094), (9, 187214),

Gene: Racecar_24 Start: 11634, Stop: 11837, Start Num: 3
Candidate Starts for Racecar_24:
(Start: 3 @11634 has 2 MA's), (4, 11691), (9, 11811),

Gene: Racecar_313 Start: 185343, Stop: 185546, Start Num: 3
Candidate Starts for Racecar_313:
(Start: 3 @185343 has 2 MA's), (4, 185400), (9, 185520),

Gene: SJReid_337 Start: 184629, Stop: 184823, Start Num: 3
Candidate Starts for SJReid_337:
(Start: 3 @184629 has 2 MA's),

Gene: SJReid_26 Start: 11790, Stop: 11984, Start Num: 3
Candidate Starts for SJReid_26:
(Start: 3 @11790 has 2 MA's),

Gene: Talia1610_310 Start: 185528, Stop: 185731, Start Num: 3
Candidate Starts for Talia1610_310:
(Start: 3 @185528 has 2 MA's), (4, 185585), (9, 185705),

Gene: Talia1610_23 Start: 11056, Stop: 11259, Start Num: 3
Candidate Starts for Talia1610_23:
(Start: 3 @11056 has 2 MA's), (4, 11113), (9, 11233),