



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 136085 Report

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

Pham number 136085 has 10 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Racecar_14, Talia1610_301, Bloom_15, Bloom_302, Racecar_303, Talia1610_14
- Track 2 : Patbob_13, Patbob_303
- Track 3 : Mimi_16, Mimi_306

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:

- Bloom_15, Bloom_302, Mimi_16, Mimi_306, Patbob_13, Patbob_303, Racecar_14, Racecar_303, Talia1610_14, Talia1610_301,

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 10 of 10 (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: Bloom_15 (FC), Bloom_302 (FC), Mimi_16 (FC), Mimi_306 (FC), Patbob_13 (FC), Patbob_303 (FC), Racecar_14 (FC), Racecar_303 (FC), Talia1610_14 (FC), Talia1610_301 (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: Bloom_15 Start: 6752, Stop: 7198, Start Num: 1

Candidate Starts for Bloom_15:

(Start: 1 @6752 has 2 MA's), (2, 6770), (4, 6920), (5, 6944), (7, 7100), (8, 7151),

Gene: Bloom_302 Start: 180227, Stop: 180673, Start Num: 1

Candidate Starts for Bloom_302:

(Start: 1 @180227 has 2 MA's), (2, 180245), (4, 180395), (5, 180419), (7, 180575), (8, 180626),

Gene: Mimi_16 Start: 6669, Stop: 7115, Start Num: 1

Candidate Starts for Mimi_16:

(Start: 1 @6669 has 2 MA's), (2, 6687), (3, 6765), (4, 6837), (5, 6861), (6, 6972), (7, 7017), (8, 7068),

Gene: Mimi_306 Start: 179329, Stop: 179775, Start Num: 1

Candidate Starts for Mimi_306:

(Start: 1 @179329 has 2 MA's), (2, 179347), (3, 179425), (4, 179497), (5, 179521), (6, 179632), (7, 179677), (8, 179728),

Gene: Patbob_13 Start: 6677, Stop: 7123, Start Num: 1

Candidate Starts for Patbob_13:

(Start: 1 @6677 has 2 MA's), (4, 6845), (5, 6869), (7, 7025), (8, 7076),

Gene: Patbob_303 Start: 182136, Stop: 182582, Start Num: 1

Candidate Starts for Patbob_303:

(Start: 1 @182136 has 2 MA's), (4, 182304), (5, 182328), (7, 182484), (8, 182535),

Gene: Racecar_14 Start: 6752, Stop: 7198, Start Num: 1

Candidate Starts for Racecar_14:

(Start: 1 @6752 has 2 MA's), (2, 6770), (4, 6920), (5, 6944), (7, 7100), (8, 7151),

Gene: Racecar_303 Start: 180461, Stop: 180907, Start Num: 1

Candidate Starts for Racecar_303:

(Start: 1 @180461 has 2 MA's), (2, 180479), (4, 180629), (5, 180653), (7, 180809), (8, 180860),

Gene: Talia1610_301 Start: 181143, Stop: 181589, Start Num: 1

Candidate Starts for Talia1610_301:

(Start: 1 @181143 has 2 MA's), (2, 181161), (4, 181311), (5, 181335), (7, 181491), (8, 181542),

Gene: Talia1610_14 Start: 6671, Stop: 7117, Start Num: 1

Candidate Starts for Talia1610_14:

(Start: 1 @6671 has 2 MA's), (2, 6689), (4, 6839), (5, 6863), (7, 7019), (8, 7070),