



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 136078 Report

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

Pham number 136078 has 10 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Mimi_46, Mimi_336, Bloom_332, Talia1610_330, Racecar_42, Talia1610_43, Racecar_331, Bloom_45
- Track 2 : Patbob_38, Patbob_328

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_332, Bloom_45, Mimi_336, Mimi_46, Patbob_328, Patbob_38, Racecar_331, Racecar_42, Talia1610_330, Talia1610_43,

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_332 (FC), Bloom_45 (FC), Mimi_336 (FC), Mimi_46 (FC), Patbob_328 (FC), Patbob_38 (FC), Racecar_331 (FC), Racecar_42 (FC), Talia1610_330 (FC), Talia1610_43 (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_332 Start: 192075, Stop: 191854, Start Num: 1

Candidate Starts for Bloom_332:

(Start: 1 @192075 has 2 MA's), (2, 192015),

Gene: Bloom_45 Start: 18600, Stop: 18379, Start Num: 1

Candidate Starts for Bloom_45:

(Start: 1 @18600 has 2 MA's), (2, 18540),

Gene: Mimi_46 Start: 17768, Stop: 17547, Start Num: 1

Candidate Starts for Mimi_46:

(Start: 1 @17768 has 2 MA's), (2, 17708),

Gene: Mimi_336 Start: 190428, Stop: 190207, Start Num: 1

Candidate Starts for Mimi_336:

(Start: 1 @190428 has 2 MA's), (2, 190368),

Gene: Patbob_38 Start: 17332, Stop: 17111, Start Num: 1

Candidate Starts for Patbob_38:

(Start: 1 @17332 has 2 MA's), (2, 17272), (3, 17227), (4, 17191),

Gene: Patbob_328 Start: 192791, Stop: 192570, Start Num: 1

Candidate Starts for Patbob_328:

(Start: 1 @192791 has 2 MA's), (2, 192731), (3, 192686), (4, 192650),

Gene: Racecar_42 Start: 18368, Stop: 18147, Start Num: 1

Candidate Starts for Racecar_42:

(Start: 1 @18368 has 2 MA's), (2, 18308),

Gene: Racecar_331 Start: 192077, Stop: 191856, Start Num: 1

Candidate Starts for Racecar_331:

(Start: 1 @192077 has 2 MA's), (2, 192017),

Gene: Talia1610_330 Start: 192258, Stop: 192037, Start Num: 1

Candidate Starts for Talia1610_330:

(Start: 1 @192258 has 2 MA's), (2, 192198),

Gene: Talia1610_43 Start: 17786, Stop: 17565, Start Num: 1

Candidate Starts for Talia1610_43:

(Start: 1 @17786 has 2 MA's), (2, 17726),