



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 136023 Report

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

Pham number 136023 has 11 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Bloom_289, Bloom_2, Talia1610_289, Racecar_2, Talia1610_2, Mimi_2, Racecar_291, Mimi_292
- Track 2 : SJReid_308
- Track 3 : Patbob_2, Patbob_292

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_2, Bloom_289, Mimi_2, Mimi_292, Patbob_2, Patbob_292, Racecar_2, Racecar_291, SJReid_308, Talia1610_2, Talia1610_289,

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 11 of 11 (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_2 (FC), Bloom_289 (FC), Mimi_2 (FC), Mimi_292 (FC), Patbob_2 (FC), Patbob_292 (FC), Racecar_2 (FC), Racecar_291 (FC), SJReid_308 (FC), Talia1610_2 (FC), Talia1610_289 (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_289 Start: 174150, Stop: 174278, Start Num: 1

Candidate Starts for Bloom_289:

(Start: 1 @174150 has 2 MA's), (4, 174243),

Gene: Bloom_2 Start: 675, Stop: 803, Start Num: 1

Candidate Starts for Bloom_2:

(Start: 1 @675 has 2 MA's), (4, 768),

Gene: Mimi_2 Start: 616, Stop: 744, Start Num: 1

Candidate Starts for Mimi_2:

(Start: 1 @616 has 2 MA's), (4, 709),

Gene: Mimi_292 Start: 173276, Stop: 173404, Start Num: 1

Candidate Starts for Mimi_292:

(Start: 1 @173276 has 2 MA's), (4, 173369),

Gene: Patbob_2 Start: 675, Stop: 830, Start Num: 1

Candidate Starts for Patbob_2:

(Start: 1 @675 has 2 MA's), (3, 759),

Gene: Patbob_292 Start: 176134, Stop: 176289, Start Num: 1

Candidate Starts for Patbob_292:

(Start: 1 @176134 has 2 MA's), (3, 176218),

Gene: Racecar_2 Start: 675, Stop: 803, Start Num: 1

Candidate Starts for Racecar_2:

(Start: 1 @675 has 2 MA's), (4, 768),

Gene: Racecar_291 Start: 174384, Stop: 174512, Start Num: 1

Candidate Starts for Racecar_291:

(Start: 1 @174384 has 2 MA's), (4, 174477),

Gene: SJReid_308 Start: 171862, Stop: 172041, Start Num: 1

Candidate Starts for SJReid_308:

(Start: 1 @171862 has 2 MA's), (2, 171922), (5, 172027),

Gene: Talia1610_289 Start: 175103, Stop: 175231, Start Num: 1

Candidate Starts for Talia1610_289:

(Start: 1 @175103 has 2 MA's), (4, 175196),

Gene: Talia1610_2 Start: 631, Stop: 759, Start Num: 1

Candidate Starts for Talia1610_2:

(Start: 1 @631 has 2 MA's), (4, 724),