



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 136090 Report

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

Pham number 136090 has 10 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Talia1610_291, Bloom_291, Talia1610_4, Mimi_4, Racecar_4, Bloom_4, Racecar_293, Mimi_294
- Track 2 : Patbob_4, Patbob_294

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_291, Bloom_4, Mimi_294, Mimi_4, Patbob_294, Patbob_4, Racecar_293, Racecar_4, Talia1610_291, Talia1610_4,

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_291 (FC), Bloom_4 (FC), Mimi_294 (FC), Mimi_4 (FC), Patbob_294 (FC), Patbob_4 (FC), Racecar_293 (FC), Racecar_4 (FC), Talia1610_291 (FC), Talia1610_4 (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_291 Start: 174944, Stop: 175129, Start Num: 1

Candidate Starts for Bloom_291:

(Start: 1 @174944 has 2 MA's), (2, 174998), (3, 175007), (6, 175019), (8, 175097),

Gene: Bloom_4 Start: 1469, Stop: 1654, Start Num: 1

Candidate Starts for Bloom_4:

(Start: 1 @1469 has 2 MA's), (2, 1523), (3, 1532), (6, 1544), (8, 1622),

Gene: Mimi_4 Start: 1405, Stop: 1590, Start Num: 1

Candidate Starts for Mimi_4:

(Start: 1 @1405 has 2 MA's), (2, 1459), (3, 1468), (6, 1480), (8, 1558),

Gene: Mimi_294 Start: 174065, Stop: 174250, Start Num: 1

Candidate Starts for Mimi_294:

(Start: 1 @174065 has 2 MA's), (2, 174119), (3, 174128), (6, 174140), (8, 174218),

Gene: Patbob_4 Start: 1511, Stop: 1696, Start Num: 1

Candidate Starts for Patbob_4:

(Start: 1 @1511 has 2 MA's), (4, 1583), (5, 1586), (7, 1655),

Gene: Patbob_294 Start: 176970, Stop: 177155, Start Num: 1

Candidate Starts for Patbob_294:

(Start: 1 @176970 has 2 MA's), (4, 177042), (5, 177045), (7, 177114),

Gene: Racecar_4 Start: 1469, Stop: 1654, Start Num: 1

Candidate Starts for Racecar_4:

(Start: 1 @1469 has 2 MA's), (2, 1523), (3, 1532), (6, 1544), (8, 1622),

Gene: Racecar_293 Start: 175178, Stop: 175363, Start Num: 1

Candidate Starts for Racecar_293:

(Start: 1 @175178 has 2 MA's), (2, 175232), (3, 175241), (6, 175253), (8, 175331),

Gene: Talia1610_291 Start: 175892, Stop: 176077, Start Num: 1

Candidate Starts for Talia1610_291:

(Start: 1 @175892 has 2 MA's), (2, 175946), (3, 175955), (6, 175967), (8, 176045),

Gene: Talia1610_4 Start: 1420, Stop: 1605, Start Num: 1

Candidate Starts for Talia1610_4:

(Start: 1 @1420 has 2 MA's), (2, 1474), (3, 1483), (6, 1495), (8, 1573),