Pham 136082

1: Patbob_31 + 3

2: Talia1610_323 + 1

3: Mimi_39 + 1

4: Racecar_36 + 1

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 136082 Report

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

Pham number 136082 has 10 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Patbob_31, Bloom_326, Patbob_321, Bloom_39
• Track 2 : Talia1610_323, Talia1610_36
• Track 3 : Mimi_39, Mimi_329
• Track 4 : Racecar_36, Racecar_325

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

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

Genes that call this "Most Annotated" start:
• Racecar_325, Racecar_36,

Genes that have the "Most Annotated" start but do not call it:
• Mimi_329, Mimi_39, Talia1610_323, Talia1610_36,

Genes that do not have the "Most Annotated" start:
• Bloom_326, Bloom_39, Patbob_31, Patbob_321,

Summary by start number:

Start 2:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Racecar_325 (FC), Racecar_36 (FC),

Start 3:
• Found in 10 of 10 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Bloom_326 (FC), Bloom_39 (FC), Mimi_329 (FC), Mimi_39 (FC), Patbob_31 (FC), Patbob_321 (FC), Talia1610_323 (FC), Talia1610_36 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 2 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Bloom_326 Start: 189677, Stop: 189871, Start Num: 3
Candidate Starts for Bloom_326:
(3, 189677), (4, 189758), (5, 189833), (6, 189839), (7, 189854),

Gene: Bloom_39 Start: 16202, Stop: 16396, Start Num: 3
Candidate Starts for Bloom_39:
(3, 16202), (4, 16283), (5, 16358), (6, 16364), (7, 16379),

Gene: Mimi_39 Start: 15379, Stop: 15573, Start Num: 3
Candidate Starts for Mimi_39:
(1, 15322), (Start: 2 @15331 has 2 MA's), (3, 15379), (4, 15460), (5, 15535), (6, 15541),

Gene: Mimi_329 Start: 188039, Stop: 188233, Start Num: 3
Candidate Starts for Mimi_329:
(1, 187982), (Start: 2 @187991 has 2 MA's), (3, 188039), (4, 188120), (5, 188195), (6, 188201),

Gene: Patbob_31 Start: 14936, Stop: 15130, Start Num: 3
Candidate Starts for Patbob_31:
(3, 14936), (4, 15017), (5, 15092), (6, 15098), (7, 15113),

Gene: Patbob_321 Start: 190395, Stop: 190589, Start Num: 3
Candidate Starts for Patbob_321:
(3, 190395), (4, 190476), (5, 190551), (6, 190557), (7, 190572),

Gene: Racecar_36 Start: 15923, Stop: 16165, Start Num: 2
Candidate Starts for Racecar_36:
(1, 15914), (Start: 2 @15923 has 2 MA's), (3, 15971), (4, 16052), (5, 16127), (6, 16133),

Gene: Racecar_325 Start: 189632, Stop: 189874, Start Num: 2
Candidate Starts for Racecar_325:
(1, 189623), (Start: 2 @189632 has 2 MA's), (3, 189680), (4, 189761), (5, 189836), (6, 189842),

Gene: Talia1610_323 Start: 189865, Stop: 190059, Start Num: 3
Candidate Starts for Talia1610_323:
(1, 189808), (Start: 2 @189817 has 2 MA's), (3, 189865), (4, 189946), (5, 190021), (6, 190027), (7, 190042),

Gene: Talia1610_36 Start: 15393, Stop: 15587, Start Num: 3
Candidate Starts for Talia1610_36:
(1, 15336), (Start: 2 @15345 has 2 MA's), (3, 15393), (4, 15474), (5, 15549), (6, 15555), (7, 15570),