Pham 136072

1: Talia1610_302 + 3

2: Racecar_15 + 3

3: Patbob_14 + 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 136072 Report

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

Pham number 136072 has 10 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Talia1610_302, Mimi_17, Mimi_307, Talia1610_15
• Track 2 : Racecar_15, Bloom_16, Bloom_303, Racecar_304
• Track 3 : Patbob_14, Patbob_304

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_16, Bloom_303, Mimi_17, Mimi_307, Racecar_15, Racecar_304, Talia1610_15, Talia1610_302,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• Patbob_14, Patbob_304,

Summary by start number:

Start 1:
• Found in 8 of 10 (80.0%) 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_16 (FC), Bloom_303 (FC), Mimi_17 (FC), Mimi_307 (FC), Racecar_15 (FC), Racecar_304 (FC), Talia1610_15 (FC), Talia1610_302 (FC),

Start 2:
• Found in 10 of 10 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Patbob_14 (FC), Patbob_304 (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_16 Start: 7224, Stop: 7766, Start Num: 1
Candidate Starts for Bloom_16:
(Start: 1 @7224 has 2 MA's), (2, 7290), (4, 7521), (5, 7539), (6, 7557), (7, 7569), (8, 7614), (9, 7686),

Gene: Bloom_303 Start: 180699, Stop: 181241, Start Num: 1
Candidate Starts for Bloom_303:
(Start: 1 @180699 has 2 MA's), (2, 180765), (4, 180996), (5, 181014), (6, 181032), (7, 181044), (8, 181089), (9, 181161),

Gene: Mimi_17 Start: 7142, Stop: 7684, Start Num: 1
Candidate Starts for Mimi_17:
(Start: 1 @7142 has 2 MA's), (2, 7208), (4, 7439), (5, 7457), (6, 7475), (7, 7487), (8, 7532), (9, 7604),

Gene: Mimi_307 Start: 179802, Stop: 180344, Start Num: 1
Candidate Starts for Mimi_307:
(Start: 1 @179802 has 2 MA's), (2, 179868), (4, 180099), (5, 180117), (6, 180135), (7, 180147), (8, 180192), (9, 180264),

Gene: Patbob_14 Start: 7205, Stop: 7681, Start Num: 2
Candidate Starts for Patbob_14:
(2, 7205), (3, 7394), (5, 7454), (8, 7529), (9, 7601),

Gene: Patbob_304 Start: 182664, Stop: 183140, Start Num: 2
Candidate Starts for Patbob_304:
(2, 182664), (3, 182853), (5, 182913), (8, 182988), (9, 183060),

Gene: Racecar_15 Start: 7224, Stop: 7766, Start Num: 1
Candidate Starts for Racecar_15:
(Start: 1 @7224 has 2 MA's), (2, 7290), (4, 7521), (5, 7539), (6, 7557), (7, 7569), (8, 7614), (9, 7686),

Gene: Racecar_304 Start: 180933, Stop: 181475, Start Num: 1
Candidate Starts for Racecar_304:
(Start: 1 @180933 has 2 MA's), (2, 180999), (4, 181230), (5, 181248), (6, 181266), (7, 181278), (8, 181323), (9, 181395),

Gene: Talia1610_302 Start: 181616, Stop: 182158, Start Num: 1
Candidate Starts for Talia1610_302:
(Start: 1 @181616 has 2 MA's), (2, 181682), (4, 181913), (5, 181931), (6, 181949), (7, 181961), (8, 182006), (9, 182078),

Gene: Talia1610_15 Start: 7144, Stop: 7686, Start Num: 1

Candidate Starts for Talia1610_15:
(Start: 1 @7144 has 2 MA's), (2, 7210), (4, 7441), (5, 7459), (6, 7477), (7, 7489), (8, 7534), (9, 7606),