



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 242624 Report

This analysis was run 02/07/26 on database version 634.

Pham number 242624 has 9 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Racecar_146, GoldenEssence_131
- Track 2 : Phrampa_139
- Track 3 : FloraSnap32_144, FrostedClock_147, Bloom_148, Talia1610_147, Patbob_144
- Track 4 : Mimi_145

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 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- GoldenEssence_131, Mimi_145, Racecar_146,

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

- Bloom_148, FloraSnap32_144, FrostedClock_147, Patbob_144, Talia1610_147,

Genes that do not have the "Most Annotated" start:

- Phrampa_139,

Summary by start number:

Start 2:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 37.5% of time when present
- Phage (with cluster) where this start called: GoldenEssence_131 (FC), Mimi_145 (FC), Racecar_146 (FC),

Start 3:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 62.5% of time when present

- Phage (with cluster) where this start called: Bloom_148 (FC), FloraSnap32_144 (FC), FrostedClock_147 (FC), Patbob_144 (FC), Talia1610_147 (FC),

Start 4:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phrampa_139 (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 3 times for cluster FC.
- Start number 3 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Bloom_148 Start: 99415, Stop: 99591, Start Num: 3

Candidate Starts for Bloom_148:

(1, 99346), (Start: 2 @99382 has 3 MA's), (Start: 3 @99415 has 1 MA's), (6, 99502), (7, 99505), (8, 99520), (10, 99556),

Gene: FloraSnap32_144 Start: 98230, Stop: 98406, Start Num: 3

Candidate Starts for FloraSnap32_144:

(1, 98161), (Start: 2 @98197 has 3 MA's), (Start: 3 @98230 has 1 MA's), (6, 98317), (7, 98320), (8, 98335), (10, 98371),

Gene: FrostedClock_147 Start: 99412, Stop: 99588, Start Num: 3

Candidate Starts for FrostedClock_147:

(1, 99343), (Start: 2 @99379 has 3 MA's), (Start: 3 @99412 has 1 MA's), (6, 99499), (7, 99502), (8, 99517), (10, 99553),

Gene: GoldenEssence_131 Start: 93080, Stop: 93289, Start Num: 2

Candidate Starts for GoldenEssence_131:

(1, 93044), (Start: 2 @93080 has 3 MA's), (Start: 3 @93113 has 1 MA's), (6, 93200), (7, 93203), (8, 93218), (10, 93254),

Gene: Mimi_145 Start: 98447, Stop: 98656, Start Num: 2

Candidate Starts for Mimi_145:

(Start: 2 @98447 has 3 MA's), (Start: 3 @98480 has 1 MA's), (7, 98570), (8, 98585), (10, 98621),

Gene: Patbob_144 Start: 99242, Stop: 99418, Start Num: 3

Candidate Starts for Patbob_144:

(1, 99173), (Start: 2 @99209 has 3 MA's), (Start: 3 @99242 has 1 MA's), (6, 99329), (7, 99332), (8, 99347), (10, 99383),

Gene: Phrampa_139 Start: 100777, Stop: 100947, Start Num: 4

Candidate Starts for Phrampa_139:

(4, 100777), (5, 100819), (6, 100858), (7, 100861), (8, 100876), (9, 100909), (10, 100912),

Gene: Racecar_146 Start: 99435, Stop: 99644, Start Num: 2

Candidate Starts for Racecar_146:

(1, 99399), (Start: 2 @99435 has 3 MA's), (Start: 3 @99468 has 1 MA's), (6, 99555), (7, 99558), (8, 99573), (10, 99609),

Gene: Talia1610_147 Start: 99483, Stop: 99659, Start Num: 3

Candidate Starts for Talia1610_147:

(1, 99414), (Start: 2 @99450 has 3 MA's), (Start: 3 @99483 has 1 MA's), (6, 99570), (7, 99573), (8, 99588), (10, 99624),