Pham 280924

1: Patbob_34 + 9

2: Racecar_39 + 5

3: Phrampa_315 + 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 280924 Report

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

Pham number 280924 has 18 members, 10 are drafts.

Phages represented in each track:
• Track 1 : Patbob_34, Bloom_329, FloraSnap32_318, Bloom_42, GoldenEssence_22, GoldenEssence_303, FrostedClock_41, FloraSnap32_33, FrostedClock_326, Patbob_324
• Track 2 : Racecar_39, Mimi_38, Mimi_323, Racecar_328, Talia1610_38, Talia1610_324
• Track 3 : Phrampa_315, Phrampa_30

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_329, Bloom_42, FloraSnap32_318, FloraSnap32_33, FrostedClock_326, FrostedClock_41, GoldenEssence_22, GoldenEssence_303, Mimi_323, Mimi_38, Patbob_324, Patbob_34, Phrampa_30, Phrampa_315, Racecar_328, Racecar_39, Talia1610_324, Talia1610_38,

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 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_329 (FC), Bloom_42 (FC), FloraSnap32_318 (FC), FloraSnap32_33 (FC), FrostedClock_326 (FC), FrostedClock_41 (FC), GoldenEssence_22 (FC), GoldenEssence_303 (FC), Mimi_323 (FC), Mimi_38 (FC), Patbob_324 (FC), Patbob_34 (FC), Phrampa_30 (FC),

Phrampa_315 (FC), Racecar_328 (FC), Racecar_39 (FC), Talia1610_324 (FC), Talia1610_38 (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 8 times for cluster FC.

Gene Information:

Gene: Bloom_329 Start: 190797, Stop: 190988, Start Num: 1
Candidate Starts for Bloom_329:
(Start: 1 @190797 has 8 MA's), (2, 190893), (3, 190974),

Gene: Bloom_42 Start: 17322, Stop: 17513, Start Num: 1
Candidate Starts for Bloom_42:
(Start: 1 @17322 has 8 MA's), (2, 17418), (3, 17499),

Gene: FloraSnap32_318 Start: 189011, Stop: 189202, Start Num: 1
Candidate Starts for FloraSnap32_318:
(Start: 1 @189011 has 8 MA's), (2, 189107), (3, 189188),

Gene: FloraSnap32_33 Start: 14873, Stop: 15064, Start Num: 1
Candidate Starts for FloraSnap32_33:
(Start: 1 @14873 has 8 MA's), (2, 14969), (3, 15050),

Gene: FrostedClock_41 Start: 16595, Stop: 16786, Start Num: 1
Candidate Starts for FrostedClock_41:
(Start: 1 @16595 has 8 MA's), (2, 16691), (3, 16772),

Gene: FrostedClock_326 Start: 190395, Stop: 190586, Start Num: 1
Candidate Starts for FrostedClock_326:
(Start: 1 @190395 has 8 MA's), (2, 190491), (3, 190572),

Gene: GoldenEssence_22 Start: 10241, Stop: 10432, Start Num: 1
Candidate Starts for GoldenEssence_22:
(Start: 1 @10241 has 8 MA's), (2, 10337), (3, 10418),

Gene: GoldenEssence_303 Start: 180794, Stop: 180985, Start Num: 1
Candidate Starts for GoldenEssence_303:
(Start: 1 @180794 has 8 MA's), (2, 180890), (3, 180971),

Gene: Mimi_38 Start: 16490, Stop: 16681, Start Num: 1
Candidate Starts for Mimi_38:
(Start: 1 @16490 has 8 MA's), (2, 16586),

Gene: Mimi_323 Start: 189150, Stop: 189341, Start Num: 1
Candidate Starts for Mimi_323:
(Start: 1 @189150 has 8 MA's), (2, 189246),

Gene: Patbob_34 Start: 16058, Stop: 16249, Start Num: 1
Candidate Starts for Patbob_34:
(Start: 1 @16058 has 8 MA's), (2, 16154), (3, 16235),

Gene: Patbob_324 Start: 191517, Stop: 191708, Start Num: 1
Candidate Starts for Patbob_324:
(Start: 1 @191517 has 8 MA's), (2, 191613), (3, 191694),

Gene: Phrampa_315 Start: 189701, Stop: 189892, Start Num: 1
Candidate Starts for Phrampa_315:
(Start: 1 @189701 has 8 MA's), (3, 189878),

Gene: Phrampa_30 Start: 13330, Stop: 13521, Start Num: 1
Candidate Starts for Phrampa_30:
(Start: 1 @13330 has 8 MA's), (3, 13507),

Gene: Racecar_39 Start: 17090, Stop: 17281, Start Num: 1
Candidate Starts for Racecar_39:
(Start: 1 @17090 has 8 MA's), (2, 17186),

Gene: Racecar_328 Start: 190799, Stop: 190990, Start Num: 1
Candidate Starts for Racecar_328:
(Start: 1 @190799 has 8 MA's), (2, 190895),

Gene: Talia1610_38 Start: 16508, Stop: 16699, Start Num: 1
Candidate Starts for Talia1610_38:
(Start: 1 @16508 has 8 MA's), (2, 16604),

Gene: Talia1610_324 Start: 190980, Stop: 191171, Start Num: 1
Candidate Starts for Talia1610_324:
(Start: 1 @190980 has 8 MA's), (2, 191076),