

Pham 309153



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 309153 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309153 has 25 members, 13 are drafts.

Phages represented in each track:

- Track 1 : WaddleDee_129, Panchaali_133, DunneganBoMo_131
- Track 2 : KSunshine22_137, BooTeria_140, Emmetator_135
- Track 3 : Chilliams_141
- Track 4 : Racecar_146, GoldenEssence_131
- Track 5 : Atuin_135
- Track 6 : FrostedClock_147, FloraSnap32_144, Talia1610_147, Bloom_148, Patbob_142
- Track 7 : LeoJr_145, ReginaGlobina_144
- Track 8 : Rockabye_146
- Track 9 : Mimi_145
- Track 10 : Stewart25555_132
- Track 11 : Ellewin_131
- Track 12 : SJReid_146
- Track 13 : Phrampa_138
- Track 14 : Artu_135
- Track 15 : Laure_148

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atuin_135, Bloom_148, Chilliams_141, FloraSnap32_144, FrostedClock_147, LeoJr_145, Patbob_142, ReginaGlobina_144, Rockabye_146, SJReid_146, Talia1610_147,

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

- GoldenEssence_131, Mimi_145, Racecar_146,

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

- Artu_135, BooTeria_140, DunneganBoMo_131, Ellewin_131, Emmetator_135, KSunshine22_137, Laure_148, Panchaali_133, Phrampa_138, Stewart25555_132, WaddleDee_129,

Summary by start number:

Start 4:

- Found in 8 of 25 (32.0%) of genes in pham
- Manual Annotations of this start: 3 of 12
- Called 37.5% of time when present
- Phage (with cluster) where this start called: GoldenEssence_131 (FC), Mimi_145 (FC), Racecar_146 (FC),

Start 5:

- Found in 2 of 25 (8.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Laure_148 (UNK), Stewart25555_132 (FC),

Start 6:

- Found in 8 of 25 (32.0%) of genes in pham
- Manual Annotations of this start: 4 of 12
- Called 50.0% of time when present
- Phage (with cluster) where this start called: DunneganBoMo_131 (FC), Ellewin_131 (FC), Panchaali_133 (FC), WaddleDee_129 (FC),

Start 7:

- Found in 14 of 25 (56.0%) of genes in pham
- Manual Annotations of this start: 4 of 12
- Called 78.6% of time when present
- Phage (with cluster) where this start called: Atuin_135 (FC), Bloom_148 (FC), Chilliamps_141 (FC), FloraSnap32_144 (FC), FrostedClock_147 (FC), LeoJr_145 (FC), Patbob_142 (FC), ReginaGlobina_144 (FC), Rockabye_146 (FC), SJReid_146 (FC), Talia1610_147 (FC),

Start 8:

- Found in 9 of 25 (36.0%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 55.6% of time when present
- Phage (with cluster) where this start called: Artu_135 (FC), BooTeria_140 (FC), Emmetator_135 (FC), KSunshine22_137 (FC), Phrampa_138 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, FC,

Info for manual annotations of cluster FC:

- Start number 4 was manually annotated 3 times for cluster FC.
- Start number 6 was manually annotated 4 times for cluster FC.
- Start number 7 was manually annotated 4 times for cluster FC.
- Start number 8 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Artu_135 Start: 94802, Stop: 94972, Start Num: 8

Candidate Starts for Artu_135:

(Start: 6 @94796 has 4 MA's), (Start: 8 @94802 has 1 MA's), (14, 94901),

Gene: Atuin_135 Start: 97611, Stop: 97790, Start Num: 7

Candidate Starts for Atuin_135:

(Start: 7 @97611 has 4 MA's),

Gene: Bloom_148 Start: 99415, Stop: 99591, Start Num: 7

Candidate Starts for Bloom_148:

(2, 99346), (Start: 4 @99382 has 3 MA's), (Start: 7 @99415 has 4 MA's), (11, 99502), (12, 99505), (14, 99520), (17, 99556),

Gene: BooTeria_140 Start: 94945, Stop: 95115, Start Num: 8

Candidate Starts for BooTeria_140:

(Start: 6 @94939 has 4 MA's), (Start: 8 @94945 has 1 MA's),

Gene: Chilliams_141 Start: 88829, Stop: 89008, Start Num: 7

Candidate Starts for Chilliams_141:

(Start: 7 @88829 has 4 MA's),

Gene: DunneganBoMo_131 Start: 94208, Stop: 94384, Start Num: 6

Candidate Starts for DunneganBoMo_131:

(Start: 6 @94208 has 4 MA's), (Start: 8 @94214 has 1 MA's),

Gene: Ellewin_131 Start: 93799, Stop: 93975, Start Num: 6

Candidate Starts for Ellewin_131:

(Start: 6 @93799 has 4 MA's), (Start: 8 @93805 has 1 MA's), (14, 93904),

Gene: Emmetator_135 Start: 94131, Stop: 94301, Start Num: 8

Candidate Starts for Emmetator_135:

(Start: 6 @94125 has 4 MA's), (Start: 8 @94131 has 1 MA's),

Gene: FloraSnap32_144 Start: 98230, Stop: 98406, Start Num: 7

Candidate Starts for FloraSnap32_144:

(2, 98161), (Start: 4 @98197 has 3 MA's), (Start: 7 @98230 has 4 MA's), (11, 98317), (12, 98320), (14, 98335), (17, 98371),

Gene: FrostedClock_147 Start: 99412, Stop: 99588, Start Num: 7

Candidate Starts for FrostedClock_147:

(2, 99343), (Start: 4 @99379 has 3 MA's), (Start: 7 @99412 has 4 MA's), (11, 99499), (12, 99502), (14, 99517), (17, 99553),

Gene: GoldenEssence_131 Start: 93080, Stop: 93289, Start Num: 4

Candidate Starts for GoldenEssence_131:

(2, 93044), (Start: 4 @93080 has 3 MA's), (Start: 7 @93113 has 4 MA's), (11, 93200), (12, 93203), (14, 93218), (17, 93254),

Gene: KSunshine22_137 Start: 95365, Stop: 95535, Start Num: 8

Candidate Starts for KSunshine22_137:

(Start: 6 @95359 has 4 MA's), (Start: 8 @95365 has 1 MA's),

Gene: Laure_148 Start: 91552, Stop: 91731, Start Num: 5

Candidate Starts for Laure_148:

(5, 91552), (9, 91576), (13, 91648), (16, 91690),

Gene: LeoJr_145 Start: 98212, Stop: 98391, Start Num: 7

Candidate Starts for LeoJr_145:

(Start: 7 @98212 has 4 MA's), (15, 98347),

Gene: Mimi_145 Start: 98447, Stop: 98656, Start Num: 4

Candidate Starts for Mimi_145:

(Start: 4 @98447 has 3 MA's), (Start: 7 @98480 has 4 MA's), (12, 98570), (14, 98585), (17, 98621),

Gene: Panchaali_133 Start: 94543, Stop: 94719, Start Num: 6

Candidate Starts for Panchaali_133:

(Start: 6 @94543 has 4 MA's), (Start: 8 @94549 has 1 MA's),

Gene: Patbob_142 Start: 99242, Stop: 99418, Start Num: 7

Candidate Starts for Patbob_142:

(2, 99173), (Start: 4 @99209 has 3 MA's), (Start: 7 @99242 has 4 MA's), (11, 99329), (12, 99332), (14, 99347), (17, 99383),

Gene: Phrampa_138 Start: 100777, Stop: 100947, Start Num: 8

Candidate Starts for Phrampa_138:

(Start: 8 @100777 has 1 MA's), (10, 100819), (11, 100858), (12, 100861), (14, 100876), (16, 100909), (17, 100912),

Gene: Racecar_146 Start: 99435, Stop: 99644, Start Num: 4

Candidate Starts for Racecar_146:

(2, 99399), (Start: 4 @99435 has 3 MA's), (Start: 7 @99468 has 4 MA's), (11, 99555), (12, 99558), (14, 99573), (17, 99609),

Gene: ReginaGlobina_144 Start: 98434, Stop: 98613, Start Num: 7

Candidate Starts for ReginaGlobina_144:

(Start: 7 @98434 has 4 MA's), (15, 98569),

Gene: Rockabye_146 Start: 90115, Stop: 90288, Start Num: 7

Candidate Starts for Rockabye_146:

(Start: 7 @90115 has 4 MA's),

Gene: SJReid_146 Start: 89087, Stop: 89263, Start Num: 7

Candidate Starts for SJReid_146:

(Start: 7 @89087 has 4 MA's), (18, 89237),

Gene: Stewart25555_132 Start: 95199, Stop: 95381, Start Num: 5

Candidate Starts for Stewart25555_132:

(1, 95130), (3, 95148), (5, 95199), (10, 95250),

Gene: Talia1610_147 Start: 99483, Stop: 99659, Start Num: 7

Candidate Starts for Talia1610_147:

(2, 99414), (Start: 4 @99450 has 3 MA's), (Start: 7 @99483 has 4 MA's), (11, 99570), (12, 99573), (14, 99588), (17, 99624),

Gene: WaddleDee_129 Start: 93394, Stop: 93570, Start Num: 6
Candidate Starts for WaddleDee_129:
(Start: 6 @93394 has 4 MA's), (Start: 8 @93400 has 1 MA's),