Pham 106795



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 106795 Report

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

Pham number 106795 has 14 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Racecar_101, Mimi_106, Talia1610_102
- Track 2 : SJReid_107
- Track 3 : Bloom_104
- Track 4 : DunneganBoMo_93
- Track 5 : Patbob_101
- Track 6 : Atuin_97
- Track 7 : A3Wally_116
- Track 8 : PauloDiaboli_116
- Track 9 : Zooman_99
- Track 10 : Big4_104
- Track 11 : Cece_98
- Track 12 : Pumpernickel_112

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start: • A3Wally_116, Big4_104, PauloDiaboli_116, Zooman_99,

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

Genes that do not have the "Most Annotated" start: • Atuin_97, Bloom_104, Cece_98, DunneganBoMo_93, Mimi_106, Patbob_101, Pumpernickel_112, Racecar_101, SJReid_107, Talia1610_102,

Summary by start number:

Start 3:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Pumpernickel_112 (GD4),

Start 4:

- Found in 8 of 14 (57.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 75.0% of time when present

• Phage (with cluster) where this start called: Atuin_97 (FC), DunneganBoMo_93

(FC), Mimi_106 (FC), Racecar_101 (FC), SJReid_107 (FC), Talia1610_102 (FC),

Start 5:

- Found in 4 of 14 (28.6%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present

• Phage (with cluster) where this start called: A3Wally_116 (GD1), Big4_104 (GD2),

PauloDiaboli_116 (GD1), Zooman_99 (GD2),

Start 6:

- Found in 1 of 14 (7.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cece_98 (GD3),

Start 11:

- Found in 6 of 14 (42.9%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Bloom_104 (FC), Patbob_101 (FC),

Summary by clusters:

There are 5 clusters represented in this pham: GD3, GD1, GD2, FC, GD4,

Info for manual annotations of cluster FC: •Start number 4 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster GD1: •Start number 5 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2: •Start number 5 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3: •Start number 6 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4: •Start number 3 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_116 Start: 79965, Stop: 79498, Start Num: 5 Candidate Starts for A3Wally_116: (Start: 5 @79965 has 4 MA's), (9, 79917), (13, 79872), (14, 79869), (16, 79851), (24, 79785), (29, 79710), (35, 79638), (43, 79521),

Gene: Atuin_97 Start: 80139, Stop: 80591, Start Num: 4 Candidate Starts for Atuin_97: (Start: 4 @80139 has 1 MA's), (17, 80253), (19, 80286), (33, 80430), (34, 80442), (39, 80481), (40, 80538),

Gene: Big4_104 Start: 78878, Stop: 78420, Start Num: 5 Candidate Starts for Big4_104: (Start: 5 @78878 has 4 MA's), (12, 78815), (13, 78794), (18, 78746), (24, 78707), (25, 78692), (29, 78632), (30, 78629), (35, 78560), (41, 78461), (43, 78443),

Gene: Bloom_104 Start: 80312, Stop: 80704, Start Num: 11 Candidate Starts for Bloom_104: (2, 80222), (Start: 4 @80243 has 1 MA's), (10, 80306), (11, 80312), (37, 80585), (40, 80651), (42, 80663),

Gene: Cece_98 Start: 81819, Stop: 81358, Start Num: 6 Candidate Starts for Cece_98: (1, 81933), (Start: 6 @81819 has 1 MA's), (9, 81777), (11, 81762), (18, 81684), (20, 81663), (23, 81648), (24, 81645), (27, 81585), (31, 81555), (35, 81498), (43, 81381), (44, 81369),

Gene: DunneganBoMo_93 Start: 76074, Stop: 76526, Start Num: 4 Candidate Starts for DunneganBoMo_93: (Start: 4 @76074 has 1 MA's), (9, 76116), (17, 76188), (29, 76323), (38, 76413), (40, 76473),

Gene: Mimi_106 Start: 79590, Stop: 80051, Start Num: 4 Candidate Starts for Mimi_106: (2, 79569), (Start: 4 @79590 has 1 MA's), (10, 79653), (11, 79659), (37, 79932), (40, 79998), (42, 80010),

Gene: Patbob_101 Start: 80394, Stop: 80786, Start Num: 11 Candidate Starts for Patbob_101: (Start: 4 @80325 has 1 MA's), (10, 80388), (11, 80394), (21, 80499), (37, 80667), (40, 80733), (42, 80745),

Gene: PauloDiaboli_116 Start: 79310, Stop: 78843, Start Num: 5 Candidate Starts for PauloDiaboli_116: (1, 79424), (Start: 5 @79310 has 4 MA's), (9, 79262), (13, 79217), (14, 79214), (16, 79196), (24, 79130), (29, 79055), (35, 78983), (43, 78866),

Gene: Pumpernickel_112 Start: 80618, Stop: 80151, Start Num: 3 Candidate Starts for Pumpernickel_112: (Start: 3 @80618 has 1 MA's), (9, 80573), (10, 80564), (15, 80522), (16, 80507), (22, 80450), (24, 80441), (28, 80375), (30, 80363), (35, 80294), (36, 80288),

Gene: Racecar_101 Start: 80243, Stop: 80704, Start Num: 4 Candidate Starts for Racecar_101: (2, 80222), (Start: 4 @80243 has 1 MA's), (10, 80306), (11, 80312), (37, 80585), (40, 80651), (42, 80663),

Gene: SJReid_107 Start: 72591, Stop: 73052, Start Num: 4

Candidate Starts for SJReid_107: (2, 72570), (Start: 4 @72591 has 1 MA's), (7, 72624), (8, 72642), (23, 72771), (24, 72774), (26, 72798), (27, 72834), (32, 72882), (40, 72999), (45, 73047),

Gene: Talia1610_102 Start: 79608, Stop: 80069, Start Num: 4 Candidate Starts for Talia1610_102: (2, 79587), (Start: 4 @79608 has 1 MA's), (10, 79671), (11, 79677), (37, 79950), (40, 80016), (42, 80028),

Gene: Zooman_99 Start: 76723, Stop: 76265, Start Num: 5 Candidate Starts for Zooman_99: (Start: 5 @76723 has 4 MA's), (13, 76639), (24, 76552), (25, 76537), (29, 76477), (30, 76474), (35, 76405), (41, 76306), (43, 76288),