

Pham 309014



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 309014 Report

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

Pham number 309014 has 32 members, 4 are drafts.

Phages represented in each track:

- Track 1 : SPB78_38
- Track 2 : FreddyDRoo_27, PinkiePie_27, Bartholomune_27, Squillium_27, Liandry_27, Eliot67_27
- Track 3 : Angela_28, MulchMansion_28, LilMartin_28
- Track 4 : Bmoc_26
- Track 5 : Deutsch_26
- Track 6 : Anedea_26, LilSaint_29
- Track 7 : Navo_26, Braelyn_27
- Track 8 : Mildred21_28
- Track 9 : Marsus_28
- Track 10 : Riptide_26
- Track 11 : Elmer_29
- Track 12 : YDN12_65
- Track 13 : Nirvana_182
- Track 14 : Satis_172, Quantum_171, EhyElimayoE_173, Kradal_172, Sarkar_172
- Track 15 : Frankenweenie_191
- Track 16 : Kela_172, JustBecause_174
- Track 17 : Gilgamesh_43
- Track 18 : pZL12_76c

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

The start number called the most often in the published annotations is 9, it was called in 15 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anedea_26, Angela_28, Bartholomune_27, Bmoc_26, Braelyn_27, Eliot67_27, FreddyDRoo_27, Liandry_27, LilMartin_28, LilSaint_29, Marsus_28, Mildred21_28, MulchMansion_28, Navo_26, PinkiePie_27, Riptide_26, Squillium_27,

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

- YDN12_65,

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

- EhyElimayoE_173, Elmer_29, Frankenweenie_191, Gilgamesh_43, JustBecause_174, Kela_172, Kradal_172, Nirvana_182, Quantum_171, SPB78_38, Sarkar_172, Satis_172, Teutsch_26, pZL12_76c,

Summary by start number:

Start 4:

- Found in 1 of 32 (3.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: pZL12_76c (singleton),

Start 6:

- Found in 9 of 32 (28.1%) of genes in pham
- Manual Annotations of this start: 9 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EhyElimayoE_173 (BM), Frankenweenie_191 (BM), JustBecause_174 (BM), Kela_172 (BM), Kradal_172 (BM), Nirvana_182 (BM), Quantum_171 (BM), Sarkar_172 (BM), Satis_172 (BM),

Start 7:

- Found in 1 of 32 (3.1%) of genes in pham
- Manual Annotations of this start: 1 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: YDN12_65 (BG),

Start 8:

- Found in 2 of 32 (6.2%) of genes in pham
- Manual Annotations of this start: 2 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elmer_29 (BE2), Teutsch_26 (BE1),

Start 9:

- Found in 18 of 32 (56.2%) of genes in pham
- Manual Annotations of this start: 15 of 28
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Anedea_26 (BE1), Angela_28 (BE1), Bartholomune_27 (BE1), Bmoc_26 (BE1), Braelyn_27 (BE1), Eliot67_27 (BE1), FreddyDRoo_27 (BE1), Liandry_27 (BE1), LilMartin_28 (BE1), LilSaint_29 (BE1), Marsus_28 (BE1), Mildred21_28 (BE1), MulchMansion_28 (BE1), Navo_26 (BE1), PinkiePie_27 (BE1), Riptide_26 (BE1), Squillium_27 (BE1),

Start 10:

- Found in 1 of 32 (3.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SPB78_38 (BA),

Start 11:

- Found in 1 of 32 (3.1%) of genes in pham
- Manual Annotations of this start: 1 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gilgamesh_43 (singleton),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, BG, BA, BM, BE2, BE1,

Info for manual annotations of cluster BE1:

- Start number 8 was manually annotated 1 time for cluster BE1.
- Start number 9 was manually annotated 15 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 8 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BG:

- Start number 7 was manually annotated 1 time for cluster BG.

Info for manual annotations of cluster BM:

- Start number 6 was manually annotated 9 times for cluster BM.

Gene Information:

Gene: Anedea_26 Start: 12789, Stop: 12235, Start Num: 9

Candidate Starts for Anedea_26:

(Start: 9 @12789 has 15 MA's), (18, 12750), (22, 12690), (44, 12486), (46, 12447), (48, 12378),

Gene: Angela_28 Start: 13241, Stop: 12693, Start Num: 9

Candidate Starts for Angela_28:

(Start: 9 @13241 has 15 MA's), (18, 13208), (22, 13148), (40, 12971), (44, 12944), (46, 12905), (48, 12836),

Gene: Bartholomune_27 Start: 12610, Stop: 12182, Start Num: 9

Candidate Starts for Bartholomune_27:

(Start: 9 @12610 has 15 MA's), (26, 12442), (29, 12400), (30, 12397), (41, 12328), (46, 12268),

Gene: Bmoc_26 Start: 12967, Stop: 12413, Start Num: 9

Candidate Starts for Bmoc_26:

(3, 13021), (Start: 9 @12967 has 15 MA's), (18, 12928), (22, 12868), (44, 12664), (46, 12625), (48, 12556), (50, 12508),

Gene: Braelyn_27 Start: 13005, Stop: 12577, Start Num: 9

Candidate Starts for Braelyn_27:

(Start: 9 @13005 has 15 MA's), (26, 12837), (29, 12795), (41, 12723), (46, 12663),

Gene: EhyElimayoE_173 Start: 111957, Stop: 111505, Start Num: 6

Candidate Starts for EhyElimayoE_173:

(2, 112008), (5, 111966), (Start: 6 @111957 has 9 MA's), (13, 111924), (32, 111708), (33, 111696), (37, 111663), (44, 111627), (47, 111543),

Gene: Eliot67_27 Start: 12610, Stop: 12182, Start Num: 9

Candidate Starts for Eliot67_27:

(Start: 9 @12610 has 15 MA's), (26, 12442), (29, 12400), (30, 12397), (41, 12328), (46, 12268),

Gene: Elmer_29 Start: 13268, Stop: 12828, Start Num: 8

Candidate Starts for Elmer_29:

(Start: 8 @13268 has 2 MA's), (12, 13256), (29, 13058), (32, 13040), (35, 13007), (43, 12971), (44, 12965), (46, 12926),

Gene: Frankenweenie_191 Start: 122366, Stop: 121914, Start Num: 6

Candidate Starts for Frankenweenie_191:

(Start: 6 @122366 has 9 MA's), (13, 122333), (18, 122315), (37, 122072), (38, 122069), (44, 122036),

Gene: FreddyDRoo_27 Start: 12610, Stop: 12182, Start Num: 9

Candidate Starts for FreddyDRoo_27:

(Start: 9 @12610 has 15 MA's), (26, 12442), (29, 12400), (30, 12397), (41, 12328), (46, 12268),

Gene: Gilgamesh_43 Start: 27658, Stop: 28101, Start Num: 11

Candidate Starts for Gilgamesh_43:

(Start: 11 @27658 has 1 MA's), (14, 27673), (16, 27682), (17, 27685), (19, 27712), (23, 27754), (24, 27796), (25, 27808), (30, 27868), (31, 27877), (44, 27958), (49, 28075),

Gene: JustBecause_174 Start: 109466, Stop: 109017, Start Num: 6

Candidate Starts for JustBecause_174:

(1, 109523), (Start: 6 @109466 has 9 MA's), (15, 109430), (18, 109418), (19, 109388), (21, 109355), (37, 109175), (44, 109139),

Gene: Kela_172 Start: 109340, Stop: 108891, Start Num: 6

Candidate Starts for Kela_172:

(1, 109397), (Start: 6 @109340 has 9 MA's), (15, 109304), (18, 109292), (19, 109262), (21, 109229), (37, 109049), (44, 109013),

Gene: Kradal_172 Start: 111954, Stop: 111502, Start Num: 6

Candidate Starts for Kradal_172:

(2, 112005), (5, 111963), (Start: 6 @111954 has 9 MA's), (13, 111921), (32, 111705), (33, 111693), (37, 111660), (44, 111624), (47, 111540),

Gene: Liandry_27 Start: 12609, Stop: 12181, Start Num: 9

Candidate Starts for Liandry_27:

(Start: 9 @12609 has 15 MA's), (26, 12441), (29, 12399), (30, 12396), (41, 12327), (46, 12267),

Gene: LilMartin_28 Start: 13188, Stop: 12640, Start Num: 9

Candidate Starts for LilMartin_28:

(Start: 9 @13188 has 15 MA's), (18, 13155), (22, 13095), (40, 12918), (44, 12891), (46, 12852), (48, 12783),

Gene: LilSaint_29 Start: 13010, Stop: 12456, Start Num: 9

Candidate Starts for LilSaint_29:

(Start: 9 @13010 has 15 MA's), (18, 12971), (22, 12911), (44, 12707), (46, 12668), (48, 12599),

Gene: Marsus_28 Start: 13035, Stop: 12487, Start Num: 9

Candidate Starts for Marsus_28:

(Start: 9 @13035 has 15 MA's), (18, 13002), (22, 12942), (34, 12786), (42, 12750), (44, 12738), (46, 12699), (48, 12630),

Gene: Mildred21_28 Start: 12890, Stop: 12342, Start Num: 9

Candidate Starts for Mildred21_28:

(Start: 9 @12890 has 15 MA's), (22, 12797), (27, 12701), (44, 12593), (46, 12554), (48, 12485),

Gene: MulchMansion_28 Start: 13189, Stop: 12641, Start Num: 9

Candidate Starts for MulchMansion_28:

(Start: 9 @13189 has 15 MA's), (18, 13156), (22, 13096), (40, 12919), (44, 12892), (46, 12853), (48, 12784),

Gene: Navo_26 Start: 12768, Stop: 12340, Start Num: 9

Candidate Starts for Navo_26:

(Start: 9 @12768 has 15 MA's), (26, 12600), (29, 12558), (41, 12486), (46, 12426),

Gene: Nirvana_182 Start: 119913, Stop: 119461, Start Num: 6

Candidate Starts for Nirvana_182:

(1, 119967), (Start: 6 @119913 has 9 MA's), (18, 119862), (19, 119832), (37, 119619), (38, 119616), (44, 119583),

Gene: PinkiePie_27 Start: 12610, Stop: 12182, Start Num: 9

Candidate Starts for PinkiePie_27:

(Start: 9 @12610 has 15 MA's), (26, 12442), (29, 12400), (30, 12397), (41, 12328), (46, 12268),

Gene: Quantum_171 Start: 111954, Stop: 111502, Start Num: 6

Candidate Starts for Quantum_171:

(2, 112005), (5, 111963), (Start: 6 @111954 has 9 MA's), (13, 111921), (32, 111705), (33, 111693), (37, 111660), (44, 111624), (47, 111540),

Gene: Riptide_26 Start: 12515, Stop: 11961, Start Num: 9

Candidate Starts for Riptide_26:

(Start: 9 @12515 has 15 MA's), (18, 12476), (22, 12416), (44, 12212), (46, 12173), (48, 12104), (51, 11966),

Gene: SPB78_38 Start: 28324, Stop: 28755, Start Num: 10

Candidate Starts for SPB78_38:

(10, 28324), (18, 28357), (20, 28387), (30, 28534), (31, 28543), (35, 28582), (46, 28663), (48, 28732),

Gene: Sarkar_172 Start: 111954, Stop: 111502, Start Num: 6

Candidate Starts for Sarkar_172:

(2, 112005), (5, 111963), (Start: 6 @111954 has 9 MA's), (13, 111921), (32, 111705), (33, 111693), (37, 111660), (44, 111624), (47, 111540),

Gene: Satis_172 Start: 111950, Stop: 111498, Start Num: 6

Candidate Starts for Satis_172:

(2, 112001), (5, 111959), (Start: 6 @111950 has 9 MA's), (13, 111917), (32, 111701), (33, 111689), (37, 111656), (44, 111620), (47, 111536),

Gene: Squillium_27 Start: 12609, Stop: 12181, Start Num: 9

Candidate Starts for Squillium_27:

(Start: 9 @12609 has 15 MA's), (26, 12441), (29, 12399), (30, 12396), (41, 12327), (46, 12267),

Gene: Teutsch_26 Start: 12356, Stop: 11928, Start Num: 8

Candidate Starts for Teutsch_26:

(Start: 8 @12356 has 2 MA's), (28, 12152), (41, 12074), (44, 12053), (46, 12014), (47, 11969),

Gene: YDN12_65 Start: 50754, Stop: 51167, Start Num: 7

Candidate Starts for YDN12_65:

(Start: 7 @50754 has 1 MA's), (Start: 9 @50763 has 15 MA's), (14, 50787), (30, 50973), (36, 51024), (39, 51033), (45, 51081),

Gene: pZL12_76c Start: 65730, Stop: 65299, Start Num: 4

Candidate Starts for pZL12_76c:

(4, 65730),