Pham 347909


1: Fowlmouth_63 + 1
2: Cuke_61
3: Triumph_65
4: Axiom_64
5: Omar_66
6: Andris_63
7: Caelum_65
8: Superstar_69
9: Vortrix_161 + 1
10: Jflix2_29
11: CurlyFries_31
12: SFuller_31
13: Kwekel_3 + 4
14: Rabbitrun_9
15: LeoJr_257
16: Rockabye_277
17: ReginaGlobina_259
18: SJReid_261
19: Atuin_248
20: Chilliams_273
21: Paito_59
22: Curiosium_83
23: Rando14_71
24: Aminay_92

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 347909 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347909 has 30 members, 5 are drafts.

Phages represented in each track:
- Track 1 : Fowlmouth_63, MrMiyagi_62
- Track 2 : Cuke_61
- Track 3 : Triumph_65
- Track 4 : Axiom_64
- Track 5 : Omar_66
- Track 6 : Andris_63
- Track 7 : Caelum_65
- Track 8 : Superstar_69
- Track 9 : Vortrix_161, Tonenili_162
- Track 10 : Jflix2_29
- Track 11 : CurlyFries_31
- Track 12 : SFuller_31
- Track 13 : Kwekel_3, Twonlo_3, RoadKill_3, Chickadee_3, EdmundFerry_3
- Track 14 : Rabbitrun_9
- Track 15 : LeoJr_257
- Track 16 : Rockabye_277
- Track 17 : ReginaGlobina_259
- Track 18 : SJReid_261
- Track 19 : Atuin_248
- Track 20 : Chilliams_273
- Track 21 : Paito_59
- Track 22 : Curiosium_83
- Track 23 : Rando14_71
- Track 24 : Aminay_92

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

The start number called the most often in the published annotations is 20, it was called in 24 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Aminay_92, Andris_63, Axiom_64, Caelum_65, Chickadee_3, Chilliams_273, Cuke_61, Curiosium_83, CurlyFries_31, EdmundFerry_3, Fowlmouth_63, Jflix2_29, Kwekel_3, MrMiyagi_62, Omar_66, Paito_59, Rabbitrun_9, Rando14_71,

ReginaGlobina_259, RoadKill_3, Rockabye_277, SFuller_31, SJReid_261, Superstar_69, Tonenili_162, Triumph_65, Twonlo_3, Vortrix_161,

Genes that have the "Most Annotated" start but do not call it:
• Atuin_248, LeoJr_257,

Genes that do not have the "Most Annotated" start:
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Summary by start number:

Start 19:
• Found in 4 of 30 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Atuin_248 (FC), LeoJr_257 (FC),

Start 20:
• Found in 30 of 30 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 25
• Called 93.3% of time when present
• Phage (with cluster) where this start called: Aminay_92 (K7), Andris_63 (BD2), Axiom_64 (BD2), Caelum_65 (BD2), Chickadee_3 (DE3), Chilliams_273 (FC), Cuke_61 (AC), Curiosium_83 (K1), CurlyFries_31 (CF), EdmundFerry_3 (DE3), Fowlmouth_63 (AC), Jflix2_29 (CF), Kwekel_3 (DE3), MrMiyagi_62 (AC), Omar_66 (BD2), Paito_59 (G1), Rabbitrun_9 (DU2), Rando14_71 (K5), ReginaGlobina_259 (FC), RoadKill_3 (DE3), Rockabye_277 (FC), SFuller_31 (CF), SJReid_261 (FC), Superstar_69 (BD2), Tonenili_162 (C1), Triumph_65 (BD2), Twonlo_3 (DE3), Vortrix_161 (C1),

Summary by clusters:

There are 11 clusters represented in this pham: AC, G1, DE3, CF, K1, FC, K7, K5, BD2, C1, DU2,

Info for manual annotations of cluster AC:
•Start number 20 was manually annotated 3 times for cluster AC.

Info for manual annotations of cluster BD2:
•Start number 20 was manually annotated 5 times for cluster BD2.

Info for manual annotations of cluster C1:
•Start number 20 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster CF:
•Start number 20 was manually annotated 3 times for cluster CF.

Info for manual annotations of cluster DE3:
•Start number 20 was manually annotated 5 times for cluster DE3.

Info for manual annotations of cluster DU2:
•Start number 20 was manually annotated 1 time for cluster DU2.

Info for manual annotations of cluster FC:
•Start number 19 was manually annotated 1 time for cluster FC.
•Start number 20 was manually annotated 2 times for cluster FC.

Info for manual annotations of cluster G1:
•Start number 20 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster K1:
•Start number 20 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K5:
•Start number 20 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K7:
•Start number 20 was manually annotated 1 time for cluster K7.

Gene Information:

Gene: Aminay_92 Start: 55581, Stop: 55751, Start Num: 20
Candidate Starts for Aminay_92:
(3, 55344), (9, 55431), (Start: 20 @55581 has 24 MA's), (27, 55638), (29, 55671), (32, 55683), (34, 55707), (40, 55734),

Gene: Andris_63 Start: 42730, Stop: 42557, Start Num: 20
Candidate Starts for Andris_63:
(Start: 20 @42730 has 24 MA's), (22, 42718), (32, 42634), (35, 42610), (46, 42571),

Gene: Atuin_248 Start: 159446, Stop: 159610, Start Num: 19
Candidate Starts for Atuin_248:
(13, 159386), (15, 159389), (Start: 19 @159446 has 1 MA's), (Start: 20 @159455 has 24 MA's), (26, 159503), (27, 159506), (35, 159569), (41, 159596),

Gene: Axiom_64 Start: 43088, Stop: 42915, Start Num: 20
Candidate Starts for Axiom_64:
(7, 43277), (8, 43274), (Start: 20 @43088 has 24 MA's), (32, 42992), (35, 42968), (38, 42953), (46, 42929),

Gene: Caelum_65 Start: 42370, Stop: 42197, Start Num: 20
Candidate Starts for Caelum_65:
(7, 42556), (8, 42553), (Start: 20 @42370 has 24 MA's), (28, 42304), (32, 42274), (38, 42235), (46, 42211),

Gene: Chickadee_3 Start: 2216, Stop: 2419, Start Num: 20
Candidate Starts for Chickadee_3:
(Start: 20 @2216 has 24 MA's), (23, 2231), (30, 2306), (48, 2411),

Gene: Chilliams_273 Start: 164811, Stop: 164963, Start Num: 20
Candidate Starts for Chilliams_273:
(Start: 20 @164811 has 24 MA's), (25, 164841), (26, 164859), (35, 164925), (39, 164946),

Gene: Cuke_61 Start: 38970, Stop: 39143, Start Num: 20

Candidate Starts for Cuke_61:
(10, 38847), (Start: 19 @38961 has 1 MA's), (Start: 20 @38970 has 24 MA's), (27, 39021), (28, 39033), (31, 39057), (37, 39099), (43, 39123),

Gene: Curiosium_83 Start: 50804, Stop: 50968, Start Num: 20
Candidate Starts for Curiosium_83:
(Start: 20 @50804 has 24 MA's), (32, 50906), (34, 50927), (42, 50957),

Gene: CurlyFries_31 Start: 27058, Stop: 26900, Start Num: 20
Candidate Starts for CurlyFries_31:
(Start: 20 @27058 has 24 MA's), (22, 27046), (27, 27007), (28, 26995), (32, 26965), (44, 26908),

Gene: EdmundFerry_3 Start: 2216, Stop: 2419, Start Num: 20
Candidate Starts for EdmundFerry_3:
(Start: 20 @2216 has 24 MA's), (23, 2231), (30, 2306), (48, 2411),

Gene: Fowlmouth_63 Start: 41807, Stop: 41971, Start Num: 20
Candidate Starts for Fowlmouth_63:
(Start: 20 @41807 has 24 MA's), (24, 41831), (31, 41894),

Gene: Jflix2_29 Start: 27850, Stop: 27686, Start Num: 20
Candidate Starts for Jflix2_29:
(Start: 20 @27850 has 24 MA's), (22, 27838), (27, 27799), (32, 27757), (39, 27712), (41, 27706),

Gene: Kwekel_3 Start: 2216, Stop: 2419, Start Num: 20
Candidate Starts for Kwekel_3:
(Start: 20 @2216 has 24 MA's), (23, 2231), (30, 2306), (48, 2411),

Gene: LeoJr_257 Start: 158619, Stop: 158783, Start Num: 19
Candidate Starts for LeoJr_257:
(13, 158559), (15, 158562), (Start: 19 @158619 has 1 MA's), (Start: 20 @158628 has 24 MA's), (26, 158676), (27, 158679), (33, 158730), (35, 158742), (41, 158769),

Gene: MrMiyagi_62 Start: 42191, Stop: 42355, Start Num: 20
Candidate Starts for MrMiyagi_62:
(Start: 20 @42191 has 24 MA's), (24, 42215), (31, 42278),

Gene: Omar_66 Start: 41357, Stop: 41184, Start Num: 20
Candidate Starts for Omar_66:
(Start: 20 @41357 has 24 MA's), (24, 41333), (38, 41222), (46, 41198),

Gene: Paito_59 Start: 39620, Stop: 39778, Start Num: 20
Candidate Starts for Paito_59:
(2, 39359), (4, 39386), (5, 39395), (6, 39404), (12, 39518), (Start: 20 @39620 has 24 MA's), (21, 39626), (32, 39716), (36, 39743),

Gene: Rabbitrun_9 Start: 2782, Stop: 2624, Start Num: 20
Candidate Starts for Rabbitrun_9:
(11, 2872), (14, 2824), (Start: 20 @2782 has 24 MA's), (22, 2770), (32, 2689), (39, 2644),

Gene: Rando14_71 Start: 48397, Stop: 48549, Start Num: 20
Candidate Starts for Rando14_71:

(16, 48358), (17, 48361), (Start: 20 @48397 has 24 MA's), (21, 48403), (24, 48421), (25, 48427), (29, 48475), (35, 48511), (36, 48514), (42, 48538), (45, 48544),

Gene: ReginaGlobina_259 Start: 159833, Stop: 159988, Start Num: 20
Candidate Starts for ReginaGlobina_259:
(Start: 19 @159824 has 1 MA's), (Start: 20 @159833 has 24 MA's), (26, 159881), (27, 159884), (35, 159947), (41, 159974),

Gene: RoadKill_3 Start: 2216, Stop: 2419, Start Num: 20
Candidate Starts for RoadKill_3:
(Start: 20 @2216 has 24 MA's), (23, 2231), (30, 2306), (48, 2411),

Gene: Rockabye_277 Start: 165117, Stop: 165269, Start Num: 20
Candidate Starts for Rockabye_277:
(Start: 20 @165117 has 24 MA's), (25, 165147), (26, 165165), (35, 165231), (39, 165252),

Gene: SFuller_31 Start: 28444, Stop: 28280, Start Num: 20
Candidate Starts for SFuller_31:
(1, 28864), (Start: 20 @28444 has 24 MA's), (41, 28297),

Gene: SJReid_261 Start: 154498, Stop: 154656, Start Num: 20
Candidate Starts for SJReid_261:
(18, 154483), (Start: 20 @154498 has 24 MA's), (27, 154549), (28, 154561), (35, 154612),

Gene: Superstar_69 Start: 43188, Stop: 43015, Start Num: 20
Candidate Starts for Superstar_69:
(Start: 20 @43188 has 24 MA's), (28, 43122), (32, 43092), (33, 43080), (35, 43068), (38, 43053), (46, 43029),

Gene: Tonenili_162 Start: 93057, Stop: 93221, Start Num: 20
Candidate Starts for Tonenili_162:
(Start: 20 @93057 has 24 MA's), (26, 93105), (47, 93213),

Gene: Triumph_65 Start: 43164, Stop: 42991, Start Num: 20
Candidate Starts for Triumph_65:
(Start: 20 @43164 has 24 MA's), (22, 43152), (32, 43068), (35, 43044), (38, 43029), (46, 43005),

Gene: Twonlo_3 Start: 2216, Stop: 2419, Start Num: 20
Candidate Starts for Twonlo_3:
(Start: 20 @2216 has 24 MA's), (23, 2231), (30, 2306), (48, 2411),

Gene: Vortrix_161 Start: 92370, Stop: 92534, Start Num: 20
Candidate Starts for Vortrix_161:
(Start: 20 @92370 has 24 MA's), (26, 92418), (47, 92526),