Pham 346262


1: ODay_93
2: Ecliptus_91 + 1
3: MortyNRick_77
4: BearBQ_84
5: Horus_86
6: Frickyeah_92
7: Leroy_85 + 2
8: Phistory_82
9: LitninMcQueen_89
10: Spooky_88
11: Squiddly_88
12: Crater_84

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 346262 Report

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

Pham number 346262 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : ODay_93
• Track 2 : Ecliptus_91, Apricot_84
• Track 3 : MortyNRick_77
• Track 4 : BearBQ_84
• Track 5 : Horus_86
• Track 6 : Frickyeah_92
• Track 7 : Leroy_85, Periwinkle_94, ShawBrad_89
• Track 8 : Phistory_82
• Track 9 : LitninMcQueen_89
• Track 10 : Spooky_88
• Track 11 : Squiddly_88
• Track 12 : Crater_84

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apricot_84, BearBQ_84, Crater_84, Ecliptus_91, Leroy_85, MortyNRick_77, ODay_93, Periwinkle_94, Phistory_82, ShawBrad_89, Spooky_88,

Genes that have the "Most Annotated" start but do not call it:
• Frickyeah_92, Horus_86, LitninMcQueen_89, Squiddly_88,

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

Summary by start number:

Start 2:
• Found in 13 of 15 (86.7%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 23.1% of time when present

• Phage (with cluster) where this start called: Horus_86 (DN1), LitninMcQueen_89 (DN1), Squiddly_88 (DN2),

Start 3:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 14
• Called 73.3% of time when present
• Phage (with cluster) where this start called: Apricot_84 (DN3), BearBQ_84 (DN), Crater_84 (DN3), Ecliptus_91 (DN), Leroy_85 (DN1), MortyNRick_77 (DN), ODay_93 (DN), Periwinkle_94 (DN1), Phistory_82 (DN1), ShawBrad_89 (DN1), Spooky_88 (DN2),

Start 7:
• Found in 8 of 15 (53.3%) of genes in pham
• No Manual Annotations of this start.
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Frickyeah_92 (DN1),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DN1, DN3, DN2,

Info for manual annotations of cluster DN:
•Start number 3 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 2 was manually annotated 2 times for cluster DN1.
•Start number 3 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 2 was manually annotated 1 time for cluster DN2.
•Start number 3 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster DN3:
•Start number 3 was manually annotated 2 times for cluster DN3.

Gene Information:

Gene: Apricot_84 Start: 46207, Stop: 46650, Start Num: 3
Candidate Starts for Apricot_84:
(Start: 3 @46207 has 11 MA's), (11, 46381), (16, 46477), (17, 46501), (18, 46510), (25, 46546), (26, 46555),

Gene: BearBQ_84 Start: 48483, Stop: 48842, Start Num: 3
Candidate Starts for BearBQ_84:
(Start: 2 @48480 has 3 MA's), (Start: 3 @48483 has 11 MA's), (6, 48531), (8, 48555), (11, 48639), (15, 48699), (32, 48795),

Gene: Crater_84 Start: 46668, Stop: 47045, Start Num: 3
Candidate Starts for Crater_84:
(Start: 2 @46665 has 3 MA's), (Start: 3 @46668 has 11 MA's), (11, 46842), (15, 46902), (32, 46998),

Gene: Ecliptus_91 Start: 49913, Stop: 50356, Start Num: 3
Candidate Starts for Ecliptus_91:
(Start: 3 @49913 has 11 MA's), (11, 50087), (16, 50183), (17, 50207), (18, 50216), (25, 50252), (26, 50261),

Gene: Frickyeah_92 Start: 48610, Stop: 48948, Start Num: 7
Candidate Starts for Frickyeah_92:
(Start: 2 @48550 has 3 MA's), (Start: 3 @48553 has 11 MA's), (7, 48610), (9, 48634), (30, 48889), (31, 48892), (33, 48904),

Gene: Horus_86 Start: 48825, Stop: 49223, Start Num: 2
Candidate Starts for Horus_86:
(Start: 2 @48825 has 3 MA's), (Start: 3 @48828 has 11 MA's), (7, 48885), (9, 48909), (30, 49164), (31, 49167), (33, 49179),

Gene: Leroy_85 Start: 47023, Stop: 47418, Start Num: 3
Candidate Starts for Leroy_85:
(Start: 2 @47020 has 3 MA's), (Start: 3 @47023 has 11 MA's), (7, 47080), (9, 47104), (30, 47359), (31, 47362), (33, 47374),

Gene: LitninMcQueen_89 Start: 48138, Stop: 48506, Start Num: 2
Candidate Starts for LitninMcQueen_89:
(Start: 2 @48138 has 3 MA's), (Start: 3 @48141 has 11 MA's), (7, 48198), (9, 48222), (11, 48285), (13, 48309), (20, 48399), (25, 48423), (29, 48453),

Gene: MortyNRick_77 Start: 46661, Stop: 47086, Start Num: 3
Candidate Starts for MortyNRick_77:
(Start: 2 @46658 has 3 MA's), (Start: 3 @46661 has 11 MA's), (4, 46676), (10, 46781), (11, 46835), (31, 47030), (33, 47042),

Gene: ODay_93 Start: 50443, Stop: 50856, Start Num: 3
Candidate Starts for ODay_93:
(Start: 2 @50440 has 3 MA's), (Start: 3 @50443 has 11 MA's), (7, 50500), (9, 50524), (11, 50587), (16, 50683), (18, 50716), (19, 50719), (22, 50743), (25, 50752), (35, 50845),

Gene: Periwinkle_94 Start: 49830, Stop: 50225, Start Num: 3
Candidate Starts for Periwinkle_94:
(Start: 2 @49827 has 3 MA's), (Start: 3 @49830 has 11 MA's), (7, 49887), (9, 49911), (30, 50166), (31, 50169), (33, 50181),

Gene: Phistory_82 Start: 45926, Stop: 46321, Start Num: 3
Candidate Starts for Phistory_82:
(Start: 2 @45923 has 3 MA's), (Start: 3 @45926 has 11 MA's), (7, 45983), (9, 46007), (30, 46262), (31, 46265), (33, 46277),

Gene: ShawBrad_89 Start: 47079, Stop: 47474, Start Num: 3
Candidate Starts for ShawBrad_89:
(Start: 2 @47076 has 3 MA's), (Start: 3 @47079 has 11 MA's), (7, 47136), (9, 47160), (30, 47415), (31, 47418), (33, 47430),

Gene: Spooky_88 Start: 49198, Stop: 49584, Start Num: 3
Candidate Starts for Spooky_88:

(1, 49153), (Start: 2 @49195 has 3 MA's), (Start: 3 @49198 has 11 MA's), (5, 49243), (8, 49267), (12, 49372), (13, 49375), (21, 49471), (23, 49474), (24, 49477), (27, 49501), (28, 49504),

Gene: Squiddly_88 Start: 51488, Stop: 51823, Start Num: 2
Candidate Starts for Squiddly_88:
(Start: 2 @51488 has 3 MA's), (Start: 3 @51491 has 11 MA's), (14, 51638), (15, 51680), (32, 51776), (34, 51788),