Pham 348131


1: OneDirection_35
2: Moosehead_42
3: Morkie_38
4: Lucky10_40
5: Birdsong_54 + 1
6: BotCity_56
7: Phabulosa_55
8: Holliday_56
9: Frickyeah_59
10: CheeseTouch_59
11: Yoshi_59
12: PhaoMing_38 + 1
13: LilSpotty_45

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 348131 Report

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

Pham number 348131 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : OneDirection_35
• Track 2 : Moosehead_42
• Track 3 : Morkie_38
• Track 4 : Lucky10_40
• Track 5 : Birdsong_54, Asapag_54
• Track 6 : BotCity_56
• Track 7 : Phabuloso_55
• Track 8 : Holliday_56
• Track 9 : Frickyeah_59
• Track 10 : CheeseTouch_59
• Track 11 : Yoshi_59
• Track 12 : PhaoMing_38, BearBQ_52
• Track 13 : LilSpotty_45

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Asapag_54, BearBQ_52, Birdsong_54, BotCity_56, Moosehead_42, Morkie_38, OneDirection_35, Phabuloso_55, PhaoMing_38,

Genes that have the "Most Annotated" start but do not call it:
• Lucky10_40,

Genes that do not have the "Most Annotated" start:
• CheeseTouch_59, Frickyeah_59, Holliday_56, LilSpotty_45, Yoshi_59,

Summary by start number:

Start 1:
• Found in 10 of 15 (66.7%) of genes in pham
• Manual Annotations of this start: 8 of 13

• Called 90.0% of time when present
• Phage (with cluster) where this start called: Asapag_54 (DN1), BearBQ_52 (DN), Birdsong_54 (DN), BotCity_56 (DN), Moosehead_42 (CZ6), Morkie_38 (DH), OneDirection_35 (CZ6), Phabuloso_55 (DN1), PhaoMing_38 (UNK),

Start 2:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Lucky10_40 (DH),

Start 3:
• Found in 5 of 15 (33.3%) of genes in pham
• Manual Annotations of this start: 4 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CheeseTouch_59 (DN1), Frickyeah_59 (DN1), Holliday_56 (DN1), LilSpotty_45 (singleton), Yoshi_59 (F2),

Summary by clusters:

There are 7 clusters represented in this pham: DN, singleton, DH, CZ6, F2, DN1, UNK,

Info for manual annotations of cluster CZ6:
•Start number 1 was manually annotated 2 times for cluster CZ6.

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

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

Info for manual annotations of cluster DN1:
•Start number 1 was manually annotated 2 times for cluster DN1.
•Start number 3 was manually annotated 2 times for cluster DN1.

Info for manual annotations of cluster F2:
•Start number 3 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: Asapag_54 Start: 35988, Stop: 36434, Start Num: 1
Candidate Starts for Asapag_54:
(Start: 1 @35988 has 8 MA's), (4, 36027), (6, 36096), (9, 36126), (14, 36153), (19, 36258), (21, 36297), (22, 36300), (32, 36375), (39, 36423),

Gene: BearBQ_52 Start: 37244, Stop: 37693, Start Num: 1
Candidate Starts for BearBQ_52:
(Start: 1 @37244 has 8 MA's), (4, 37283), (9, 37382), (20, 37532), (25, 37574), (31, 37613),

Gene: Birdsong_54 Start: 36209, Stop: 36655, Start Num: 1
Candidate Starts for Birdsong_54:
(Start: 1 @36209 has 8 MA's), (4, 36248), (6, 36317), (9, 36347), (14, 36374), (19, 36479), (21, 36518), (22, 36521), (32, 36596), (39, 36644),

Gene: BotCity_56 Start: 36755, Stop: 37204, Start Num: 1
Candidate Starts for BotCity_56:
(Start: 1 @36755 has 8 MA's), (4, 36794), (8, 36881), (9, 36893), (13, 36914), (17, 36989), (22, 37067), (32, 37142), (40, 37196),

Gene: CheeseTouch_59 Start: 33860, Stop: 34264, Start Num: 3
Candidate Starts for CheeseTouch_59:
(Start: 3 @33860 has 4 MA's), (16, 34022), (26, 34160), (36, 34256),

Gene: Frickyeah_59 Start: 35691, Stop: 36098, Start Num: 3
Candidate Starts for Frickyeah_59:
(Start: 3 @35691 has 4 MA's), (5, 35715), (15, 35835), (36, 36090),

Gene: Holliday_56 Start: 37381, Stop: 37785, Start Num: 3
Candidate Starts for Holliday_56:
(Start: 3 @37381 has 4 MA's), (16, 37543), (26, 37681),

Gene: LilSpotty_45 Start: 32226, Stop: 32627, Start Num: 3
Candidate Starts for LilSpotty_45:
(Start: 3 @32226 has 4 MA's), (5, 32250), (13, 32358), (18, 32466), (21, 32508), (26, 32526), (34, 32601),

Gene: Lucky10_40 Start: 31073, Stop: 31567, Start Num: 2
Candidate Starts for Lucky10_40:
(Start: 1 @31067 has 8 MA's), (Start: 2 @31073 has 1 MA's), (10, 31211), (13, 31226), (14, 31232), (24, 31403), (29, 31436), (33, 31469), (37, 31505), (40, 31517),

Gene: Moosehead_42 Start: 29238, Stop: 29681, Start Num: 1
Candidate Starts for Moosehead_42:
(Start: 1 @29238 has 8 MA's), (8, 29364), (9, 29376), (13, 29397), (14, 29403), (17, 29472), (23, 29565), (28, 29589), (32, 29628), (38, 29670),

Gene: Morkie_38 Start: 29113, Stop: 29559, Start Num: 1
Candidate Starts for Morkie_38:
(Start: 1 @29113 has 8 MA's), (9, 29251), (14, 29278), (27, 29455), (32, 29500),

Gene: OneDirection_35 Start: 27624, Stop: 28079, Start Num: 1
Candidate Starts for OneDirection_35:
(Start: 1 @27624 has 8 MA's), (8, 27750), (9, 27762), (12, 27777), (13, 27783), (17, 27858), (23, 27951), (32, 28014), (35, 28050), (41, 28071),

Gene: Phabuloso_55 Start: 36586, Stop: 37038, Start Num: 1
Candidate Starts for Phabuloso_55:
(Start: 1 @36586 has 8 MA's), (Start: 2 @36592 has 1 MA's), (9, 36724), (11, 36736), (13, 36745), (14, 36751), (17, 36820), (21, 36895), (32, 36976),

Gene: PhaoMing_38 Start: 32730, Stop: 33179, Start Num: 1

Candidate Starts for PhaoMing_38:
(Start: 1 @32730 has 8 MA's), (4, 32769), (9, 32868), (20, 33018), (25, 33060), (31, 33099),

Gene: Yoshi_59 Start: 36386, Stop: 36787, Start Num: 3
Candidate Starts for Yoshi_59:
(Start: 3 @36386 has 4 MA's), (7, 36485), (23, 36689), (30, 36722),