Pham 346344


2
7
10
12
14
16
19
20
29
30
33
34
1: Clawz_75
2
5
10
12
16
19
29
31
35
36
2: KingstonB_73
2
4
11
13
15
17
18
21
25
26
27
28
32
36
3: Amo99_78 + 6
2
4
11
13
15
17
18
21
25
26
27
28
32
36
4: Sting_74
2
5
10
12
16
19
29
31
34
35
36
5: DonTron_75
1
3
5
6
8
10
22
23
24
28
36
37
38
6: Makar_76

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 346344 Report

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

Pham number 346344 has 12 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Clawz_75
• Track 2 : KingstonB_73
• Track 3 : Amo99_78, Stillion_74, Jollymon_75, Grumio_76, Soos_71, Purplicious_75, ColdSoup_78
• Track 4 : Sting_74
• Track 5 : DonTron_75
• Track 6 : Makar_76

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Clawz_75, DonTron_75, KingstonB_73, Sting_74,

Genes that have the "Most Annotated" start but do not call it:
• Amo99_78, ColdSoup_78, Grumio_76, Jollymon_75, Purplicious_75, Soos_71, Stillion_74,

Genes that do not have the "Most Annotated" start:
• Makar_76,

Summary by start number:

Start 2:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 36.4% of time when present
• Phage (with cluster) where this start called: Clawz_75 (CP), DonTron_75 (CP), KingstonB_73 (CP), Sting_74 (CP),

Start 3:
• Found in 1 of 12 (8.3%) of genes in pham

• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Makar_76 (CP),

Start 4:
• Found in 8 of 12 (66.7%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Amo99_78 (CP), ColdSoup_78 (CP), Grumio_76 (CP), Jollymon_75 (CP), Purplicious_75 (CP), Soos_71 (CP), Stillion_74 (CP),

Summary by clusters:

There is one cluster represented in this pham: CP

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

Gene Information:

Gene: Amo99_78 Start: 50058, Stop: 50777, Start Num: 4
Candidate Starts for Amo99_78:
(Start: 2 @50016 has 4 MA's), (Start: 4 @50058 has 3 MA's), (11, 50136), (13, 50169), (15, 50199), (17, 50214), (18, 50244), (21, 50316), (25, 50376), (26, 50409), (27, 50445), (28, 50499), (32, 50676), (36, 50742),

Gene: Clawz_75 Start: 50044, Stop: 50763, Start Num: 2
Candidate Starts for Clawz_75:
(Start: 2 @50044 has 4 MA's), (7, 50128), (10, 50149), (12, 50188), (14, 50203), (16, 50236), (19, 50278), (20, 50302), (29, 50506), (30, 50581), (33, 50680), (34, 50701),

Gene: ColdSoup_78 Start: 50139, Stop: 50858, Start Num: 4
Candidate Starts for ColdSoup_78:
(Start: 2 @50097 has 4 MA's), (Start: 4 @50139 has 3 MA's), (11, 50217), (13, 50250), (15, 50280), (17, 50295), (18, 50325), (21, 50397), (25, 50457), (26, 50490), (27, 50526), (28, 50580), (32, 50757), (36, 50823),

Gene: DonTron_75 Start: 50005, Stop: 50736, Start Num: 2
Candidate Starts for DonTron_75:
(Start: 2 @50005 has 4 MA's), (5, 50071), (10, 50110), (12, 50149), (16, 50197), (19, 50239), (29, 50467), (31, 50632), (34, 50680), (35, 50689), (36, 50698),

Gene: Grumio_76 Start: 49617, Stop: 50336, Start Num: 4
Candidate Starts for Grumio_76:
(Start: 2 @49575 has 4 MA's), (Start: 4 @49617 has 3 MA's), (11, 49695), (13, 49728), (15, 49758), (17, 49773), (18, 49803), (21, 49875), (25, 49935), (26, 49968), (27, 50004), (28, 50058), (32, 50235), (36, 50301),

Gene: Jollymon_75 Start: 50139, Stop: 50858, Start Num: 4

Candidate Starts for Jollymon_75:
(Start: 2 @50097 has 4 MA's), (Start: 4 @50139 has 3 MA's), (11, 50217), (13, 50250), (15, 50280), (17, 50295), (18, 50325), (21, 50397), (25, 50457), (26, 50490), (27, 50526), (28, 50580), (32, 50757), (36, 50823),

Gene: KingstonB_73 Start: 49439, Stop: 50170, Start Num: 2
Candidate Starts for KingstonB_73:
(Start: 2 @49439 has 4 MA's), (5, 49505), (10, 49544), (12, 49583), (16, 49631), (19, 49673), (29, 49901), (31, 50066), (35, 50123), (36, 50132),

Gene: Makar_76 Start: 49777, Stop: 50493, Start Num: 3
Candidate Starts for Makar_76:
(1, 49654), (3, 49777), (5, 49801), (6, 49819), (8, 49858), (9, 49864), (10, 49867), (22, 50041), (23, 50065), (24, 50077), (28, 50215), (36, 50458), (37, 50461), (38, 50479),

Gene: Purplicious_75 Start: 49382, Stop: 50101, Start Num: 4
Candidate Starts for Purplicious_75:
(Start: 2 @49340 has 4 MA's), (Start: 4 @49382 has 3 MA's), (11, 49460), (13, 49493), (15, 49523), (17, 49538), (18, 49568), (21, 49640), (25, 49700), (26, 49733), (27, 49769), (28, 49823), (32, 50000), (36, 50066),

Gene: Soos_71 Start: 49343, Stop: 50062, Start Num: 4
Candidate Starts for Soos_71:
(Start: 2 @49301 has 4 MA's), (Start: 4 @49343 has 3 MA's), (11, 49421), (13, 49454), (15, 49484), (17, 49499), (18, 49529), (21, 49601), (25, 49661), (26, 49694), (27, 49730), (28, 49784), (32, 49961), (36, 50027),

Gene: Stillion_74 Start: 49940, Stop: 50659, Start Num: 4
Candidate Starts for Stillion_74:
(Start: 2 @49898 has 4 MA's), (Start: 4 @49940 has 3 MA's), (11, 50018), (13, 50051), (15, 50081), (17, 50096), (18, 50126), (21, 50198), (25, 50258), (26, 50291), (27, 50327), (28, 50381), (32, 50558), (36, 50624),

Gene: Sting_74 Start: 49740, Stop: 50501, Start Num: 2
Candidate Starts for Sting_74:
(Start: 2 @49740 has 4 MA's), (Start: 4 @49782 has 3 MA's), (11, 49860), (13, 49893), (15, 49923), (17, 49938), (18, 49968), (21, 50040), (25, 50100), (26, 50133), (27, 50169), (28, 50223), (32, 50400), (36, 50466),