Pham 348366


3
4
5
6
7
15
26
34
1: Phabuloso_101
3
4
5
6
7
12
13
18
19
26
31
32
2: Lutum_94
3
4
5
6
7
11
29
34
35
3: Asapag_87 + 1
3
4
5
6
7
15
25
26
34
4: LitninMcQueen_99
1
2
10
17
20
22
23
26
28
30
33
36
5: Spooky_100
6
7
8
9
12
13
14
16
21
24
25
26
27
35
6: Alatato_44

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 348366 Report

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

Pham number 348366 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Phabuloso_101
• Track 2 : Lutum_94
• Track 3 : Asapag_87, ShawBrad_97
• Track 4 : LitninMcQueen_99
• Track 5 : Spooky_100
• Track 6 : Alatato_44

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

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

Genes that call this "Most Annotated" start:
• Asapag_87, LitninMcQueen_99, Phabuloso_101, ShawBrad_97,

Genes that have the "Most Annotated" start but do not call it:
• Alatato_44, Lutum_94,

Genes that do not have the "Most Annotated" start:
• Spooky_100,

Summary by start number:

Start 6:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Alatato_44 (FB), Lutum_94 (DN1),

Start 7:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 66.7% of time when present

• Phage (with cluster) where this start called: Asapag_87 (DN1), LitninMcQueen_99 (DN1), Phabuloso_101 (DN1), ShawBrad_97 (DN1),

Start 10:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Spooky_100 (DN2),

Summary by clusters:

There are 3 clusters represented in this pham: FB, DN1, DN2,

Info for manual annotations of cluster DN1:
•Start number 6 was manually annotated 1 time for cluster DN1.
•Start number 7 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 10 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster FB:
•Start number 6 was manually annotated 1 time for cluster FB.

Gene Information:

Gene: Alatato_44 Start: 28004, Stop: 28411, Start Num: 6
Candidate Starts for Alatato_44:
(Start: 6 @28004 has 2 MA's), (Start: 7 @28013 has 4 MA's), (8, 28079), (9, 28085), (12, 28106), (13, 28121), (14, 28151), (16, 28160), (21, 28184), (24, 28238), (25, 28247), (26, 28250), (27, 28256), (35, 28376),

Gene: Asapag_87 Start: 50042, Stop: 50416, Start Num: 7
Candidate Starts for Asapag_87:
(3, 49937), (4, 49943), (5, 49976), (Start: 6 @50033 has 2 MA's), (Start: 7 @50042 has 4 MA's), (11, 50129), (29, 50294), (34, 50375), (35, 50378),

Gene: LitninMcQueen_99 Start: 52545, Stop: 52913, Start Num: 7
Candidate Starts for LitninMcQueen_99:
(3, 52440), (4, 52446), (5, 52479), (Start: 6 @52536 has 2 MA's), (Start: 7 @52545 has 4 MA's), (15, 52674), (25, 52746), (26, 52749), (34, 52872),

Gene: Lutum_94 Start: 50678, Stop: 51094, Start Num: 6
Candidate Starts for Lutum_94:
(3, 50582), (4, 50588), (5, 50621), (Start: 6 @50678 has 2 MA's), (Start: 7 @50687 has 4 MA's), (12, 50786), (13, 50801), (18, 50843), (19, 50849), (26, 50942), (31, 51038), (32, 51053),

Gene: Phabuloso_101 Start: 52179, Stop: 52547, Start Num: 7
Candidate Starts for Phabuloso_101:
(3, 52074), (4, 52080), (5, 52113), (Start: 6 @52170 has 2 MA's), (Start: 7 @52179 has 4 MA's), (15, 52308), (26, 52383), (34, 52506),

Gene: ShawBrad_97 Start: 50296, Stop: 50670, Start Num: 7
Candidate Starts for ShawBrad_97:
(3, 50191), (4, 50197), (5, 50230), (Start: 6 @50287 has 2 MA's), (Start: 7 @50296 has 4 MA's), (11, 50383), (29, 50548), (34, 50629), (35, 50632),

Gene: Spooky_100 Start: 53379, Stop: 53726, Start Num: 10
Candidate Starts for Spooky_100:
(1, 53151), (2, 53166), (Start: 10 @53379 has 1 MA's), (17, 53445), (20, 53460), (22, 53487), (23, 53496), (26, 53547), (28, 53556), (30, 53607), (33, 53667), (36, 53709),