Pham 348378


12
13
19
20
25
26
1: Marsus_178
10
12
16
19
20
2: CeilingFan_192
12
16
19
20
3: TomSawyer_194
1
2
3
9
14
17
20
22
23
24
27
28
4: Zitch_43
7
15
16
20
23
28
5: Jacko_67
4
5
6
8
11
18
20
21
29
6: OhShagHennessy_64

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 348378 Report

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

Pham number 348378 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Marsus_178
• Track 2 : CeilingFan_192
• Track 3 : TomSawyer_194
• Track 4 : Zitch_43
• Track 5 : Jacko_67
• Track 6 : OhShagHennessy_64

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

The start number called the most often in the published annotations is 16, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CeilingFan_192, TomSawyer_194,

Genes that have the "Most Annotated" start but do not call it:
• Jacko_67,

Genes that do not have the "Most Annotated" start:
• Marsus_178, OhShagHennessy_64, Zitch_43,

Summary by start number:

Start 12:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Marsus_178 (BE1),

Start 14:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zitch_43 (DE4),

Start 15:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jacko_67 (ED1),

Start 16:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: CeilingFan_192 (BE2), TomSawyer_194 (BE2),

Start 18:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: OhShagHennessy_64 (L1),

Summary by clusters:

There are 5 clusters represented in this pham: BE2, ED1, BE1, DE4, L1,

Info for manual annotations of cluster BE1:
•Start number 12 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 16 was manually annotated 2 times for cluster BE2.

Info for manual annotations of cluster DE4:
•Start number 14 was manually annotated 1 time for cluster DE4.

Info for manual annotations of cluster ED1:
•Start number 15 was manually annotated 1 time for cluster ED1.

Info for manual annotations of cluster L1:
•Start number 18 was manually annotated 1 time for cluster L1.

Gene Information:

Gene: CeilingFan_192 Start: 96969, Stop: 97277, Start Num: 16
Candidate Starts for CeilingFan_192:
(10, 96921), (Start: 12 @96939 has 1 MA's), (Start: 16 @96969 has 2 MA's), (19, 97032), (20, 97095),

Gene: Jacko_67 Start: 40024, Stop: 39710, Start Num: 15
Candidate Starts for Jacko_67:
(7, 40117), (Start: 15 @40024 has 1 MA's), (Start: 16 @40018 has 2 MA's), (20, 39889), (23, 39829), (28, 39733),

Gene: Marsus_178 Start: 95534, Stop: 95869, Start Num: 12

Candidate Starts for Marsus_178:
(Start: 12 @95534 has 1 MA's), (13, 95552), (19, 95627), (20, 95690), (25, 95783), (26, 95825),

Gene: OhShagHennessy_64 Start: 43933, Stop: 44190, Start Num: 18
Candidate Starts for OhShagHennessy_64:
(4, 43747), (5, 43759), (6, 43765), (8, 43801), (11, 43822), (Start: 18 @43933 has 1 MA's), (20, 43999), (21, 44008), (29, 44179),

Gene: TomSawyer_194 Start: 98310, Stop: 98618, Start Num: 16
Candidate Starts for TomSawyer_194:
(Start: 12 @98280 has 1 MA's), (Start: 16 @98310 has 2 MA's), (19, 98373), (20, 98436),

Gene: Zitch_43 Start: 35193, Stop: 35522, Start Num: 14
Candidate Starts for Zitch_43:
(1, 34908), (2, 34968), (3, 35052), (9, 35139), (Start: 14 @35193 has 1 MA's), (17, 35241), (20, 35331), (22, 35373), (23, 35391), (24, 35418), (27, 35481), (28, 35487),