Pham 216916

1
2
3
6
7
10
11
13
14
19
26
28
1: Mahdia_38
10
11
19
28
2: Gustav_40
4
5
15
16
20
21
27
3: Upyo_40
10
11
19
24
27
4: Morrissey_39
18
24
5: Trine_38
8
9
12
19
6: Widow_38
17
22
23
25
26
7: MacGully_71

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 216916 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216916 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Mahdia_38
• Track 2 : Gustav_40
• Track 3 : Upyo_40
• Track 4 : Morrissey_39
• Track 5 : Trine_38
• Track 6 : Widow_38
• Track 7 : MacGully_71

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

The start number called the most often in the published annotations is 19, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gustav_40, Mahdia_38, Morrissey_39, Widow_38,

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

Genes that do not have the "Most Annotated" start:
• MacGully_71, Trine_38, Upyo_40,

Summary by start number:

Start 17:
• 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: MacGully_71 (CR),

Start 18:
• 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: Trine_38 (CD),

Start 19:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gustav_40 (CD), Mahdia_38 (CD), Morrissey_39 (CD), Widow_38 (CD),

Start 20:
• 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: Upyo_40 (CD),

Summary by clusters:

There are 2 clusters represented in this pham: CR, CD,

Info for manual annotations of cluster CD:
•Start number 18 was manually annotated 1 time for cluster CD.
•Start number 19 was manually annotated 4 times for cluster CD.
•Start number 20 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CR:
•Start number 17 was manually annotated 1 time for cluster CR.

Gene Information:

Gene: Gustav_40 Start: 31883, Stop: 31605, Start Num: 19
Candidate Starts for Gustav_40:
(10, 32087), (11, 32084), (Start: 19 @31883 has 4 MA's), (28, 31640),

Gene: MacGully_71 Start: 49770, Stop: 49540, Start Num: 17
Candidate Starts for MacGully_71:
(Start: 17 @49770 has 1 MA's), (22, 49668), (23, 49659), (25, 49596), (26, 49587),

Gene: Mahdia_38 Start: 31109, Stop: 30855, Start Num: 19
Candidate Starts for Mahdia_38:
(1, 31604), (2, 31586), (3, 31484), (6, 31367), (7, 31355), (10, 31325), (11, 31322), (13, 31289), (14, 31250), (Start: 19 @31109 has 4 MA's), (26, 30938), (28, 30866),

Gene: Morrissey_39 Start: 31553, Stop: 31275, Start Num: 19
Candidate Starts for Morrissey_39:
(10, 31757), (11, 31754), (Start: 19 @31553 has 4 MA's), (24, 31430), (27, 31313),

Gene: Trine_38 Start: 31043, Stop: 30771, Start Num: 18
Candidate Starts for Trine_38:
(Start: 18 @31043 has 1 MA's), (24, 30914),

Gene: Upyo_40 Start: 32017, Stop: 31766, Start Num: 20

Candidate Starts for Upyo_40:
(4, 32392), (5, 32371), (15, 32068), (16, 32056), (Start: 20 @32017 has 1 MA's), (21, 31960), (27, 31804),

Gene: Widow_38 Start: 31430, Stop: 31161, Start Num: 19
Candidate Starts for Widow_38:
(8, 31676), (9, 31667), (12, 31634), (Start: 19 @31430 has 4 MA's),