Pham 348318


1
2
9
10
15
1: Fang_85
9
10
15
2: Chah_86
4
6
9
10
13
16
17
18
19
3: Laurie_71
4
9
10
13
4: Olivio_80 + 1
8
12
14
15
5: NHagos_74
5
7
14
16
6: TraderJ_78
3
11
14
16
7: Blackpen_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 348318 Report

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

Pham number 348318 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Fang_85
• Track 2 : Chah_86
• Track 3 : Laurie_71
• Track 4 : Olivio_80, Compostia_79
• Track 5 : NHagos_74
• Track 6 : TraderJ_78
• Track 7 : Blackpen_76

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chah_86, Compostia_79, Fang_85, Laurie_71, Olivio_80,

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

Genes that do not have the "Most Annotated" start:
• Blackpen_76, NHagos_74, TraderJ_78,

Summary by start number:

Start 7:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TraderJ_78 (DR),

Start 8:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: NHagos_74 (DR),

Start 9:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chah_86 (B1), Compostia_79 (B3), Fang_85 (B1), Laurie_71 (B2), Olivio_80 (B3),

Start 11:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Blackpen_76 (DR),

Summary by clusters:

There are 4 clusters represented in this pham: DR, B1, B2, B3,

Info for manual annotations of cluster B1:
•Start number 9 was manually annotated 2 times for cluster B1.

Info for manual annotations of cluster B2:
•Start number 9 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster B3:
•Start number 9 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster DR:
•Start number 8 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: Blackpen_76 Start: 56689, Stop: 56522, Start Num: 11
Candidate Starts for Blackpen_76:
(3, 56821), (11, 56689), (14, 56671), (16, 56560),

Gene: Chah_86 Start: 62864, Stop: 62679, Start Num: 9
Candidate Starts for Chah_86:
(Start: 9 @62864 has 4 MA's), (10, 62843), (15, 62804),

Gene: Compostia_79 Start: 61621, Stop: 61391, Start Num: 9
Candidate Starts for Compostia_79:
(4, 61720), (Start: 9 @61621 has 4 MA's), (10, 61600), (13, 61579),

Gene: Fang_85 Start: 63262, Stop: 63077, Start Num: 9
Candidate Starts for Fang_85:
(1, 63460), (2, 63379), (Start: 9 @63262 has 4 MA's), (10, 63241), (15, 63202),

Gene: Laurie_71 Start: 58633, Stop: 58430, Start Num: 9
Candidate Starts for Laurie_71:

(4, 58732), (6, 58672), (Start: 9 @58633 has 4 MA's), (10, 58612), (13, 58591), (16, 58480), (17, 58459), (18, 58453), (19, 58447),

Gene: NHagos_74 Start: 55809, Stop: 55603, Start Num: 8
Candidate Starts for NHagos_74:
(Start: 8 @55809 has 1 MA's), (12, 55779), (14, 55764), (15, 55743),

Gene: Olivio_80 Start: 61386, Stop: 61156, Start Num: 9
Candidate Starts for Olivio_80:
(4, 61485), (Start: 9 @61386 has 4 MA's), (10, 61365), (13, 61344),

Gene: TraderJ_78 Start: 57652, Stop: 57440, Start Num: 7
Candidate Starts for TraderJ_78:
(5, 57706), (7, 57652), (14, 57589), (16, 57478),