Pham 195934

5
16
18
24
25
27
1: Nicole72_54
6
10
13
15
26
28
2: Cinna_53 + 1
6
8
10
12
13
15
26
28
29
3: Cressida_56
6
11
13
17
18
23
4: Matzah_55
6
13
17
18
21
22
26
28
29
5: Terij_53
1
2
3
4
7
9
10
13
14
15
17
19
20
29
6: Kozie_52

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 195934 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195934 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Nicole72_54
• Track 2 : Cinna_53, MementoMori_54
• Track 3 : Cressida_56
• Track 4 : Matzah_55
• Track 5 : Terij_53
• Track 6 : Kozie_52

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cinna_53, Cressida_56, Matzah_55, MementoMori_54, Terij_53,

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

Genes that do not have the "Most Annotated" start:
• Kozie_52, Nicole72_54,

Summary by start number:

Start 5:
• 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: Nicole72_54 (EC),

Start 6:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Cinna_53 (EI), Cressida_56 (EI), Matzah_55 (EI), MementoMori_54 (EI), Terij_53 (EI),

Start 7:
• 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: Kozie_52 (EI),

Summary by clusters:

There are 2 clusters represented in this pham: EI, EC,

Info for manual annotations of cluster EC:
•Start number 5 was manually annotated 1 time for cluster EC.

Info for manual annotations of cluster EI:
•Start number 6 was manually annotated 5 times for cluster EI.
•Start number 7 was manually annotated 1 time for cluster EI.

Gene Information:

Gene: Cinna_53 Start: 37502, Stop: 38152, Start Num: 6
Candidate Starts for Cinna_53:
(Start: 6 @37502 has 5 MA's), (10, 37643), (13, 37685), (15, 37724), (26, 38009), (28, 38117),

Gene: Cressida_56 Start: 37153, Stop: 37803, Start Num: 6
Candidate Starts for Cressida_56:
(Start: 6 @37153 has 5 MA's), (8, 37228), (10, 37294), (12, 37312), (13, 37336), (15, 37375), (26, 37660), (28, 37768), (29, 37783),

Gene: Kozie_52 Start: 36741, Stop: 37397, Start Num: 7
Candidate Starts for Kozie_52:
(1, 36522), (2, 36555), (3, 36585), (4, 36714), (Start: 7 @36741 has 1 MA's), (9, 36849), (10, 36879), (13, 36921), (14, 36942), (15, 36960), (17, 37023), (19, 37056), (20, 37071), (29, 37368),

Gene: Matzah_55 Start: 37583, Stop: 38230, Start Num: 6
Candidate Starts for Matzah_55:
(Start: 6 @37583 has 5 MA's), (11, 37736), (13, 37766), (17, 37865), (18, 37883), (23, 38024),

Gene: MementoMori_54 Start: 37160, Stop: 37810, Start Num: 6
Candidate Starts for MementoMori_54:
(Start: 6 @37160 has 5 MA's), (10, 37301), (13, 37343), (15, 37382), (26, 37667), (28, 37775),

Gene: Nicole72_54 Start: 40409, Stop: 40975, Start Num: 5
Candidate Starts for Nicole72_54:
(Start: 5 @40409 has 1 MA's), (16, 40637), (18, 40709), (24, 40859), (25, 40901), (27, 40970),

Gene: Terij_53 Start: 36221, Stop: 36874, Start Num: 6
Candidate Starts for Terij_53:

(Start: 6 @36221 has 5 MA's), (13, 36404), (17, 36503), (18, 36527), (21, 36617), (22, 36653), (26, 36731), (28, 36839), (29, 36854),