Pham 12165


7
10
11
14
15
18
19
20
1: Sashimi_47
1
4
6
7
9
11
15
17
18
19
20
2: Raqqa_39
8
11
12
16
3: Kumotta_41
2
7
11
13
15
17
18
19
4: Zucker_37
3
5
7
9
11
15
17
18
19
5: Bauer_57

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 12165 Report

This analysis was run 04/28/24 on database version 559.

Pham number 12165 has 5 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Sashimi_47
• Track 2 : Raqqa_39
• Track 3 : Kumotta_41
• Track 4 : Zucker_37
• Track 5 : Bauer_57

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 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bauer_57, Sashimi_47, Zucker_37,

Genes that have the "Most Annotated" start but do not call it:
• Raqqa_39,

Genes that do not have the "Most Annotated" start:
• Kumotta_41,

Summary by start number:

Start 6:
• Found in 1 of 5 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Raqqa_39 (AY),

Start 7:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Bauer_57 (FN), Sashimi_47 (AY), Zucker_37 (FN),

Start 8:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumotta_41 (FB),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FB, FN,

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

Info for manual annotations of cluster FN:
•Start number 7 was manually annotated 2 times for cluster FN.

Gene Information:

Gene: Bauer_57 Start: 32770, Stop: 32958, Start Num: 7
Candidate Starts for Bauer_57:
(3, 32677), (5, 32698), (Start: 7 @32770 has 2 MA's), (9, 32803), (11, 32824), (15, 32860), (17, 32902), (18, 32941), (19, 32944),

Gene: Kumotta_41 Start: 28129, Stop: 28320, Start Num: 8
Candidate Starts for Kumotta_41:
(Start: 8 @28129 has 1 MA's), (11, 28177), (12, 28183), (16, 28249),

Gene: Raqqa_39 Start: 27212, Stop: 27421, Start Num: 6
Candidate Starts for Raqqa_39:
(1, 27068), (4, 27137), (6, 27212), (Start: 7 @27230 has 2 MA's), (9, 27266), (11, 27287), (15, 27323), (17, 27365), (18, 27404), (19, 27407), (20, 27410),

Gene: Sashimi_47 Start: 30948, Stop: 31139, Start Num: 7
Candidate Starts for Sashimi_47:
(Start: 7 @30948 has 2 MA's), (10, 30993), (11, 31005), (14, 31035), (15, 31041), (18, 31122), (19, 31125), (20, 31128),

Gene: Zucker_37 Start: 28169, Stop: 28360, Start Num: 7
Candidate Starts for Zucker_37:
(2, 28040), (Start: 7 @28169 has 2 MA's), (11, 28226), (13, 28238), (15, 28262), (17, 28304), (18, 28343), (19, 28346),