Pham 197142


3
5
7
10
18
19
20
27
1: AbbeyMikolon_9
3
5
19
20
23
27
2: Nesbitt_9
3
11
27
3: Rowa_9
4
9
12
17
21
4: Ibantik_73
3
4
6
8
15
19
5: Success_55
2
3
13
6: Kromp_10
1
3
4
9
14
16
19
22
24
25
26
27
7: Ponzi_48

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 197142 Report

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

Pham number 197142 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : AbbeyMikolon_9
• Track 2 : Nesbitt_9
• Track 3 : Rowa_9
• Track 4 : Ibantik_73
• Track 5 : Success_55
• Track 6 : Kromp_10
• Track 7 : Ponzi_48

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbeyMikolon_9, Kromp_10, Nesbitt_9, Ponzi_48, Rowa_9, Success_55,

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

Genes that do not have the "Most Annotated" start:
• Ibantik_73,

Summary by start number:

Start 3:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbeyMikolon_9 (BL), Kromp_10 (singleton), Nesbitt_9 (BL), Ponzi_48 (singleton), Rowa_9 (BL), Success_55 (singleton),

Start 4:
• Found in 3 of 7 (42.9%) of genes in pham

• Manual Annotations of this start: 1 of 7
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Ibantik_73 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: BL, singleton,

Info for manual annotations of cluster BL:
•Start number 3 was manually annotated 3 times for cluster BL.

Gene Information:

Gene: AbbeyMikolon_9 Start: 7191, Stop: 7532, Start Num: 3
Candidate Starts for AbbeyMikolon_9:
(Start: 3 @7191 has 6 MA's), (5, 7203), (7, 7233), (10, 7308), (18, 7410), (19, 7425), (20, 7440), (27, 7521),

Gene: Ibantik_73 Start: 34657, Stop: 34986, Start Num: 4
Candidate Starts for Ibantik_73:
(Start: 4 @34657 has 1 MA's), (9, 34744), (12, 34795), (17, 34858), (21, 34906),

Gene: Kromp_10 Start: 8334, Stop: 8675, Start Num: 3
Candidate Starts for Kromp_10:
(2, 8160), (Start: 3 @8334 has 6 MA's), (13, 8508),

Gene: Nesbitt_9 Start: 7263, Stop: 7604, Start Num: 3
Candidate Starts for Nesbitt_9:
(Start: 3 @7263 has 6 MA's), (5, 7275), (19, 7497), (20, 7512), (23, 7572), (27, 7593),

Gene: Ponzi_48 Start: 27983, Stop: 28312, Start Num: 3
Candidate Starts for Ponzi_48:
(1, 27788), (Start: 3 @27983 has 6 MA's), (Start: 4 @27992 has 1 MA's), (9, 28076), (14, 28151), (16, 28184), (19, 28208), (22, 28262), (24, 28283), (25, 28292), (26, 28298), (27, 28301),

Gene: Rowa_9 Start: 7020, Stop: 7364, Start Num: 3
Candidate Starts for Rowa_9:
(Start: 3 @7020 has 6 MA's), (11, 7143), (27, 7353),

Gene: Success_55 Start: 31095, Stop: 31421, Start Num: 3
Candidate Starts for Success_55:
(Start: 3 @31095 has 6 MA's), (Start: 4 @31104 has 1 MA's), (6, 31122), (8, 31182), (15, 31275), (19, 31317),