Pham 348312


5
11
19
20
1: VWB_10
1
2
4
5
14
20
22
2: SPB78_11
7
12
16
17
20
3: AbbeyMikolon_10
3
6
20
4: Rowa_10
3
7
12
16
17
20
5: Nesbitt_10
6
9
13
15
6: Elfy_9
6
8
10
13
18
19
21
7: LisoBros_10

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 348312 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 348312 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : VWB_10
• Track 2 : SPB78_11
• Track 3 : AbbeyMikolon_10
• Track 4 : Rowa_10
• Track 5 : Nesbitt_10
• Track 6 : Elfy_9
• Track 7 : LisoBros_10

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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Elfy_9, LisoBros_10, Rowa_10,

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

Genes that do not have the "Most Annotated" start:
• AbbeyMikolon_10, Nesbitt_10, SPB78_11, VWB_10,

Summary by start number:

Start 5:
• Found in 2 of 7 (28.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SPB78_11 (BA), VWB_10 (BA),

Start 6:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elfy_9 (FP), LisoBros_10 (FP), Rowa_10 (BL),

Start 7:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbeyMikolon_10 (BL), Nesbitt_10 (BL),

Summary by clusters:

There are 3 clusters represented in this pham: FP, BL, BA,

Info for manual annotations of cluster BL:
•Start number 6 was manually annotated 1 time for cluster BL.
•Start number 7 was manually annotated 2 times for cluster BL.

Info for manual annotations of cluster FP:
•Start number 6 was manually annotated 2 times for cluster FP.

Gene Information:

Gene: AbbeyMikolon_10 Start: 7532, Stop: 7783, Start Num: 7
Candidate Starts for AbbeyMikolon_10:
(Start: 7 @7532 has 2 MA's), (12, 7562), (16, 7637), (17, 7664), (20, 7703),

Gene: Elfy_9 Start: 6462, Stop: 6722, Start Num: 6
Candidate Starts for Elfy_9:
(Start: 6 @6462 has 3 MA's), (9, 6483), (13, 6507), (15, 6525),

Gene: LisoBros_10 Start: 6809, Stop: 7069, Start Num: 6
Candidate Starts for LisoBros_10:
(Start: 6 @6809 has 3 MA's), (8, 6824), (10, 6845), (13, 6869), (18, 6965), (19, 6986), (21, 7001),

Gene: Nesbitt_10 Start: 7604, Stop: 7855, Start Num: 7
Candidate Starts for Nesbitt_10:
(3, 7502), (Start: 7 @7604 has 2 MA's), (12, 7634), (16, 7709), (17, 7736), (20, 7775),

Gene: Rowa_10 Start: 7361, Stop: 7627, Start Num: 6
Candidate Starts for Rowa_10:
(3, 7262), (Start: 6 @7361 has 3 MA's), (20, 7535),

Gene: SPB78_11 Start: 7748, Stop: 8026, Start Num: 5
Candidate Starts for SPB78_11:
(1, 7511), (2, 7571), (4, 7742), (5, 7748), (14, 7820), (20, 7940), (22, 7973),

Gene: VWB_10 Start: 7804, Stop: 8076, Start Num: 5
Candidate Starts for VWB_10:
(5, 7804), (11, 7846), (19, 7984), (20, 7996),