Pham 225132

5
8
11
13
15
17
1: Salgado_27
5
7
8
11
12
13
15
17
2: LiSara_26
3
5
8
9
13
15
16
3: Waltz_26
5
7
8
9
10
13
15
17
4: Edmundo_26 + 1
2
5
7
8
11
13
15
17
5: Laroye_27
5
9
12
13
15
16
6: Shrooms_26
1
4
6
14
7: Ottawa_101 + 1

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 225132 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225132 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Salgado_27
• Track 2 : LiSara_26
• Track 3 : Waltz_26
• Track 4 : Edmundo_26, Wheelbite_26
• Track 5 : Laroye_27
• Track 6 : Shrooms_26
• Track 7 : Ottawa_101, Kharcho_101

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Edmundo_26, Laroye_27, LiSara_26, Salgado_27, Shrooms_26, Waltz_26, Wheelbite_26,

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

Genes that do not have the "Most Annotated" start:
• Kharcho_101, Ottawa_101,

Summary by start number:

Start 5:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Edmundo_26 (AL), Laroye_27 (AL), LiSara_26 (AL), Salgado_27 (AL), Shrooms_26 (AL), Waltz_26 (AL), Wheelbite_26 (AL),

Start 6:

• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kharcho_101 (FM), Ottawa_101 (FM),

Summary by clusters:

There are 2 clusters represented in this pham: FM, AL,

Info for manual annotations of cluster AL:
•Start number 5 was manually annotated 7 times for cluster AL.

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

Gene Information:

Gene: Edmundo_26 Start: 20104, Stop: 20364, Start Num: 5
Candidate Starts for Edmundo_26:
(Start: 5 @20104 has 7 MA's), (7, 20164), (8, 20203), (9, 20212), (10, 20221), (13, 20257), (15, 20302), (17, 20347),

Gene: Kharcho_101 Start: 59834, Stop: 60052, Start Num: 6
Candidate Starts for Kharcho_101:
(1, 59597), (4, 59693), (Start: 6 @59834 has 2 MA's), (14, 59975),

Gene: Laroye_27 Start: 19827, Stop: 20087, Start Num: 5
Candidate Starts for Laroye_27:
(2, 19680), (Start: 5 @19827 has 7 MA's), (7, 19887), (8, 19926), (11, 19947), (13, 19980), (15, 20025), (17, 20070),

Gene: LiSara_26 Start: 19883, Stop: 20143, Start Num: 5
Candidate Starts for LiSara_26:
(Start: 5 @19883 has 7 MA's), (7, 19943), (8, 19982), (11, 20003), (12, 20030), (13, 20036), (15, 20081), (17, 20126),

Gene: Ottawa_101 Start: 59784, Stop: 60002, Start Num: 6
Candidate Starts for Ottawa_101:
(1, 59547), (4, 59643), (Start: 6 @59784 has 2 MA's), (14, 59925),

Gene: Salgado_27 Start: 19834, Stop: 20094, Start Num: 5
Candidate Starts for Salgado_27:
(Start: 5 @19834 has 7 MA's), (8, 19933), (11, 19954), (13, 19987), (15, 20032), (17, 20077),

Gene: Shrooms_26 Start: 19930, Stop: 20187, Start Num: 5
Candidate Starts for Shrooms_26:
(Start: 5 @19930 has 7 MA's), (9, 20020), (12, 20059), (13, 20065), (15, 20110), (16, 20122),

Gene: Waltz_26 Start: 20001, Stop: 20276, Start Num: 5
Candidate Starts for Waltz_26:
(3, 19860), (Start: 5 @20001 has 7 MA's), (8, 20100), (9, 20109), (13, 20154), (15, 20199), (16, 20211),

Gene: Wheelbite_26 Start: 19949, Stop: 20209, Start Num: 5
Candidate Starts for Wheelbite_26:
(Start: 5 @19949 has 7 MA's), (7, 20009), (8, 20048), (9, 20057), (10, 20066), (13, 20102), (15, 20147), (17, 20192),