Pham 225137

6
7
9
14
16
18
20
21
1: Gambino_87 + 2
8
10
11
12
15
17
19
2: Wisp_77
1
2
3
4
5
9
14
16
18
3: Frokostdame_83
8
10
11
13
15
17
4: JasperJr_77 + 1
8
10
11
13
15
5: BlingBling_75
8
10
11
13
15
6: Lysidious_82

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 225137 Report

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

Pham number 225137 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Gambino_87, Azula_85, MissRona_85
• Track 2 : Wisp_77
• Track 3 : Frokostdame_83
• Track 4 : JasperJr_77, Guacamole_77
• Track 5 : BlingBling_75
• Track 6 : Lysidious_82

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Azula_85, Frokostdame_83, Gambino_87, MissRona_85,

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

Genes that do not have the "Most Annotated" start:
• BlingBling_75, Guacamole_77, JasperJr_77, Lysidious_82, Wisp_77,

Summary by start number:

Start 8:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlingBling_75 (CV), Guacamole_77 (CV), JasperJr_77 (CV), Lysidious_82 (CV), Wisp_77 (CV),

Start 9:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Azula_85 (CV), Frokostdame_83 (CV), Gambino_87 (CV), MissRona_85 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:
•Start number 8 was manually annotated 4 times for cluster CV.
•Start number 9 was manually annotated 4 times for cluster CV.

Gene Information:

Gene: Azula_85 Start: 52425, Stop: 52931, Start Num: 9
Candidate Starts for Azula_85:
(6, 52362), (7, 52395), (Start: 9 @52425 has 4 MA's), (14, 52572), (16, 52605), (18, 52650), (20, 52680), (21, 52881),

Gene: BlingBling_75 Start: 47632, Stop: 48156, Start Num: 8
Candidate Starts for BlingBling_75:
(Start: 8 @47632 has 4 MA's), (10, 47656), (11, 47710), (13, 47785), (15, 47797),

Gene: Frokostdame_83 Start: 51333, Stop: 51839, Start Num: 9
Candidate Starts for Frokostdame_83:
(1, 50868), (2, 50901), (3, 51009), (4, 51024), (5, 51060), (Start: 9 @51333 has 4 MA's), (14, 51480), (16, 51513), (18, 51558),

Gene: Gambino_87 Start: 52425, Stop: 52931, Start Num: 9
Candidate Starts for Gambino_87:
(6, 52362), (7, 52395), (Start: 9 @52425 has 4 MA's), (14, 52572), (16, 52605), (18, 52650), (20, 52680), (21, 52881),

Gene: Guacamole_77 Start: 48781, Stop: 49305, Start Num: 8
Candidate Starts for Guacamole_77:
(Start: 8 @48781 has 4 MA's), (10, 48805), (11, 48859), (13, 48934), (15, 48946), (17, 49003),

Gene: JasperJr_77 Start: 48781, Stop: 49305, Start Num: 8
Candidate Starts for JasperJr_77:
(Start: 8 @48781 has 4 MA's), (10, 48805), (11, 48859), (13, 48934), (15, 48946), (17, 49003),

Gene: Lysidious_82 Start: 49840, Stop: 50364, Start Num: 8
Candidate Starts for Lysidious_82:
(Start: 8 @49840 has 4 MA's), (10, 49864), (11, 49918), (13, 49993), (15, 50005),

Gene: MissRona_85 Start: 52426, Stop: 52932, Start Num: 9
Candidate Starts for MissRona_85:
(6, 52363), (7, 52396), (Start: 9 @52426 has 4 MA's), (14, 52573), (16, 52606), (18, 52651), (20, 52681), (21, 52882),

Gene: Wisp_77 Start: 48505, Stop: 49029, Start Num: 8
Candidate Starts for Wisp_77:

(Start: 8 @48505 has 4 MA's), (10, 48529), (11, 48583), (12, 48652), (15, 48670), (17, 48727), (19, 48754),