Pham 237719

13
15
16
17
1: Wheeler_61
2
3
5
6
7
8
10
14
15
16
17
2: Nathan_53
1
4
9
11
12
15
16
17
3: Ronan_13
13
15
16
17
4: Simpliphy_45
13
15
16
17
5: NewHope4_89 + 1
13
15
16
17
6: Pound_79 + 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 237719 Report

This analysis was run 02/07/26 on database version 634.

Pham number 237719 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Wheeler_61
• Track 2 : Nathan_53
• Track 3 : Ronan_13
• Track 4 : Simpliphy_45
• Track 5 : NewHope4_89, Dante_83
• Track 6 : Pound_79, Minerva_81

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

The start number called the most often in the published annotations is 13, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dante_83, Minerva_81, NewHope4_89, Pound_79, Simpliphy_45, Wheeler_61,

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

Genes that do not have the "Most Annotated" start:
• Nathan_53, Ronan_13,

Summary by start number:

Start 12:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ronan_13 (C1),

Start 13:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Dante_83 (F1), Minerva_81 (J), NewHope4_89 (F1), Pound_79 (J), Simpliphy_45 (E), Wheeler_61 (A1),

Start 14:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nathan_53 (B1),

Summary by clusters:

There are 6 clusters represented in this pham: F1, E, J, A1, B1, C1,

Info for manual annotations of cluster A1:
•Start number 13 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster B1:
•Start number 14 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster C1:
•Start number 12 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster E:
•Start number 13 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster F1:
•Start number 13 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster J:
•Start number 13 was manually annotated 2 times for cluster J.

Gene Information:

Gene: Dante_83 Start: 51508, Stop: 51690, Start Num: 13
Candidate Starts for Dante_83:
(Start: 13 @51508 has 6 MA's), (15, 51529), (16, 51547), (17, 51658),

Gene: Minerva_81 Start: 52587, Stop: 52405, Start Num: 13
Candidate Starts for Minerva_81:
(Start: 13 @52587 has 6 MA's), (15, 52566), (16, 52548), (17, 52437),

Gene: Nathan_53 Start: 47296, Stop: 47099, Start Num: 14
Candidate Starts for Nathan_53:
(2, 47599), (3, 47575), (5, 47539), (6, 47518), (7, 47512), (8, 47479), (10, 47317), (Start: 14 @47296 has 1 MA's), (15, 47275), (16, 47257), (17, 47146),

Gene: NewHope4_89 Start: 49036, Stop: 49218, Start Num: 13
Candidate Starts for NewHope4_89:
(Start: 13 @49036 has 6 MA's), (15, 49057), (16, 49075), (17, 49186),

Gene: Pound_79 Start: 53859, Stop: 53677, Start Num: 13

Candidate Starts for Pound_79:
(Start: 13 @53859 has 6 MA's), (15, 53838), (16, 53820), (17, 53709),

Gene: Ronan_13 Start: 4087, Stop: 4287, Start Num: 12
Candidate Starts for Ronan_13:
(1, 3721), (4, 3814), (9, 4012), (11, 4081), (Start: 12 @4087 has 1 MA's), (15, 4126), (16, 4144), (17, 4255),

Gene: Simpliphy_45 Start: 35573, Stop: 35391, Start Num: 13
Candidate Starts for Simpliphy_45:
(Start: 13 @35573 has 6 MA's), (15, 35552), (16, 35534), (17, 35423),

Gene: Wheeler_61 Start: 40349, Stop: 40167, Start Num: 13
Candidate Starts for Wheeler_61:
(Start: 13 @40349 has 6 MA's), (15, 40328), (16, 40310), (17, 40199),