Pham 39030

1
2
3 4
6
8
10
14
17
1: Wolfstar_95
2
3 4
7
11
14
15
17
2: Roman_92 + 1
2
3
5
12
13
17
3: OlinDD_92 + 5
2
3 4
7
11
14
15
17
4: Lupine_90 + 3
2
8
9
10
13
15
16
5: Jacko_90

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 39030 Report

This analysis was run 04/28/24 on database version 559.

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 39030 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_95
• Track 2 : Roman_92, DejaVu_91
• Track 3 : OlinDD_92, Tandem_92, Platte_91, Alleb_90, Hortus1_92, Pioneer3_92
• Track 4 : Lupine_90, Hubbs_89, PhillyPhilly_88, Pavlo_90
• Track 5 : Jacko_90

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

The start number called the most often in the published annotations is 2, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_90, DejaVu_91, Hortus1_92, Hubbs_89, Jacko_90, Lupine_90, OlinDD_92, Pavlo_90, PhillyPhilly_88, Pioneer3_92, Platte_91, Roman_92, Tandem_92, Wolfstar_95,

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

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

Summary by start number:

Start 2:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_90 (ED1), DejaVu_91 (ED1), Hortus1_92 (ED1), Hubbs_89 (ED1), Jacko_90 (ED1), Lupine_90 (ED1), OlinDD_92

(ED1), Pavlo_90 (ED1), PhillyPhilly_88 (ED1), Pioneer3_92 (ED1), Platte_91 (ED1), Roman_92 (ED1), Tandem_92 (ED1), Wolfstar_95 (ED),

Summary by clusters:

There are 2 clusters represented in this pham: ED, ED1,

Info for manual annotations of cluster ED1:
•Start number 2 was manually annotated 13 times for cluster ED1.

Gene Information:

Gene: Alleb_90 Start: 52838, Stop: 52674, Start Num: 2
Candidate Starts for Alleb_90:
(Start: 2 @52838 has 13 MA's), (3, 52823), (5, 52814), (12, 52742), (13, 52739), (17, 52682),

Gene: DejaVu_91 Start: 52078, Stop: 51917, Start Num: 2
Candidate Starts for DejaVu_91:
(Start: 2 @52078 has 13 MA's), (3, 52063), (4, 52060), (7, 52033), (11, 51994), (14, 51958), (15, 51949), (17, 51925),

Gene: Hortus1_92 Start: 53413, Stop: 53249, Start Num: 2
Candidate Starts for Hortus1_92:
(Start: 2 @53413 has 13 MA's), (3, 53398), (5, 53389), (12, 53317), (13, 53314), (17, 53257),

Gene: Hubbs_89 Start: 52127, Stop: 51966, Start Num: 2
Candidate Starts for Hubbs_89:
(Start: 2 @52127 has 13 MA's), (3, 52112), (4, 52109), (7, 52082), (11, 52043), (14, 52007), (15, 51998), (17, 51974),

Gene: Jacko_90 Start: 51367, Stop: 51188, Start Num: 2
Candidate Starts for Jacko_90:
(Start: 2 @51367 has 13 MA's), (8, 51310), (9, 51307), (10, 51298), (13, 51262), (15, 51229), (16, 51208),

Gene: Lupine_90 Start: 52137, Stop: 51976, Start Num: 2
Candidate Starts for Lupine_90:
(Start: 2 @52137 has 13 MA's), (3, 52122), (4, 52119), (7, 52092), (11, 52053), (14, 52017), (15, 52008), (17, 51984),

Gene: OlinDD_92 Start: 53418, Stop: 53254, Start Num: 2
Candidate Starts for OlinDD_92:
(Start: 2 @53418 has 13 MA's), (3, 53403), (5, 53394), (12, 53322), (13, 53319), (17, 53262),

Gene: Pavlo_90 Start: 52222, Stop: 52061, Start Num: 2
Candidate Starts for Pavlo_90:
(Start: 2 @52222 has 13 MA's), (3, 52207), (4, 52204), (7, 52177), (11, 52138), (14, 52102), (15, 52093), (17, 52069),

Gene: PhillyPhilly_88 Start: 51687, Stop: 51526, Start Num: 2

Candidate Starts for PhillyPhilly_88:
(Start: 2 @51687 has 13 MA's), (3, 51672), (4, 51669), (7, 51642), (11, 51603), (14, 51567), (15, 51558), (17, 51534),

Gene: Pioneer3_92 Start: 53216, Stop: 53052, Start Num: 2
Candidate Starts for Pioneer3_92:
(Start: 2 @53216 has 13 MA's), (3, 53201), (5, 53192), (12, 53120), (13, 53117), (17, 53060),

Gene: Platte_91 Start: 52984, Stop: 52820, Start Num: 2
Candidate Starts for Platte_91:
(Start: 2 @52984 has 13 MA's), (3, 52969), (5, 52960), (12, 52888), (13, 52885), (17, 52828),

Gene: Roman_92 Start: 52738, Stop: 52577, Start Num: 2
Candidate Starts for Roman_92:
(Start: 2 @52738 has 13 MA's), (3, 52723), (4, 52720), (7, 52693), (11, 52654), (14, 52618), (15, 52609), (17, 52585),

Gene: Tandem_92 Start: 53296, Stop: 53132, Start Num: 2
Candidate Starts for Tandem_92:
(Start: 2 @53296 has 13 MA's), (3, 53281), (5, 53272), (12, 53200), (13, 53197), (17, 53140),

Gene: Wolfstar_95 Start: 54125, Stop: 53958, Start Num: 2
Candidate Starts for Wolfstar_95:
(1, 54356), (Start: 2 @54125 has 13 MA's), (3, 54110), (4, 54107), (6, 54098), (8, 54074), (10, 54062), (14, 54005), (17, 53966),