Pham 150853

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 150853 Report

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

Pham number 150853 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_102
• Track 2 : DejaVu_98
• Track 3 : Tandem_99, Hortus1_99
• Track 4 : Alleb_97
• Track 5 : Roman_99
• Track 6 : Lupine_97
• Track 7 : OlinDD_99, Pioneer3_99
• Track 8 : Pavlo_97
• Track 9 : Platte_98
• Track 10 : PhillyPhilly_95
• Track 11 : Hubbs_96

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 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alleb_97, Hortus1_99, Hubbs_96, OlinDD_99, Pioneer3_99, Platte_98, Tandem_99,

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

Genes that do not have the "Most Annotated" start:
• DejaVu_98, Lupine_97, Pavlo_97, PhillyPhilly_95, Roman_99, Wolfstar_102,

Summary by start number:

Start 6:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 25.0% of time when present
• Phage (with cluster) where this start called: PhillyPhilly_95 (ED1),

Start 8:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pavlo_97 (ED1), Wolfstar_102 (ED),

Start 9:
• Found in 7 of 13 (53.8%) of genes in pham
• Manual Annotations of this start: 7 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alleb_97 (ED1), Hortus1_99 (ED1), Hubbs_96 (ED1), OlinDD_99 (ED1), Pioneer3_99 (ED1), Platte_98 (ED1), Tandem_99 (ED1),

Start 10:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 75.0% of time when present
• Phage (with cluster) where this start called: DejaVu_98 (ED1), Lupine_97 (ED1), Roman_99 (ED1),

Summary by clusters:

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

Info for manual annotations of cluster ED1:
•Start number 6 was manually annotated 1 time for cluster ED1.
•Start number 8 was manually annotated 1 time for cluster ED1.
•Start number 9 was manually annotated 7 times for cluster ED1.
•Start number 10 was manually annotated 3 times for cluster ED1.

Gene Information:

Gene: Alleb_97 Start: 54954, Stop: 54715, Start Num: 9
Candidate Starts for Alleb_97:
(5, 55020), (Start: 9 @54954 has 7 MA's), (12, 54900), (13, 54894), (14, 54867), (15, 54831),

Gene: DejaVu_98 Start: 54117, Stop: 53875, Start Num: 10
Candidate Starts for DejaVu_98:
(3, 54198), (Start: 6 @54174 has 1 MA's), (Start: 10 @54117 has 3 MA's), (12, 54060), (14, 54027), (17, 53925),

Gene: Hortus1_99 Start: 55499, Stop: 55260, Start Num: 9
Candidate Starts for Hortus1_99:
(Start: 9 @55499 has 7 MA's), (12, 55445), (13, 55439), (14, 55412),

Gene: Hubbs_96 Start: 54163, Stop: 53921, Start Num: 9
Candidate Starts for Hubbs_96:
(5, 54229), (Start: 9 @54163 has 7 MA's), (12, 54106), (14, 54073), (17, 53971),

Gene: Lupine_97 Start: 54176, Stop: 53934, Start Num: 10
Candidate Starts for Lupine_97:
(1, 54365), (3, 54257), (4, 54251), (Start: 6 @54233 has 1 MA's), (Start: 10 @54176 has 3 MA's), (12, 54119), (14, 54086), (17, 53984),

Gene: OlinDD_99 Start: 55504, Stop: 55265, Start Num: 9
Candidate Starts for OlinDD_99:
(Start: 9 @55504 has 7 MA's), (13, 55444), (14, 55417),

Gene: Pavlo_97 Start: 54312, Stop: 54070, Start Num: 8
Candidate Starts for Pavlo_97:
(2, 54417), (4, 54375), (7, 54315), (Start: 8 @54312 has 1 MA's), (12, 54255), (17, 54120),

Gene: PhillyPhilly_95 Start: 53834, Stop: 53535, Start Num: 6
Candidate Starts for PhillyPhilly_95:
(1, 53966), (4, 53852), (Start: 6 @53834 has 1 MA's), (Start: 10 @53777 has 3 MA's), (12, 53720), (14, 53687), (17, 53585),

Gene: Pioneer3_99 Start: 55302, Stop: 55063, Start Num: 9
Candidate Starts for Pioneer3_99:
(Start: 9 @55302 has 7 MA's), (13, 55242), (14, 55215),

Gene: Platte_98 Start: 55101, Stop: 54862, Start Num: 9
Candidate Starts for Platte_98:
(Start: 9 @55101 has 7 MA's), (12, 55047), (13, 55041), (14, 55014), (15, 54978),

Gene: Roman_99 Start: 54828, Stop: 54586, Start Num: 10
Candidate Starts for Roman_99:
(1, 55017), (4, 54903), (Start: 6 @54885 has 1 MA's), (Start: 10 @54828 has 3 MA's), (12, 54771), (14, 54738), (17, 54636),

Gene: Tandem_99 Start: 55382, Stop: 55143, Start Num: 9
Candidate Starts for Tandem_99:
(Start: 9 @55382 has 7 MA's), (12, 55328), (13, 55322), (14, 55295),

Gene: Wolfstar_102 Start: 56231, Stop: 55980, Start Num: 8
Candidate Starts for Wolfstar_102:
(2, 56336), (7, 56234), (Start: 8 @56231 has 1 MA's), (11, 56174), (12, 56165), (14, 56132), (16, 56075),