Pham 5268

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 5268 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5268 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Rockne_86, DirtMcgirt_84, UncleRicky_84, SG4_87, Drago_82, Enby_86, PMC_82, Lorde_85
• Track 2 : Llij_81
• Track 3 : Boomer_88
• Track 4 : Thibault_46

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

The start number called the most often in the published annotations is 3, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DirtMcgirt_84, Drago_82, Enby_86, Llij_81, Lorde_85, PMC_82, Rockne_86, SG4_87, Thibault_46, UncleRicky_84,

Genes that have the "Most Annotated" start but do not call it:
• Boomer_88,

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

Summary by start number:

Start 2:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Boomer_88 (F1),

Start 3:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 90.9% of time when present

• Phage (with cluster) where this start called: DirtMcgirt_84 (F1), Drago_82 (F1), Enby_86 (F1), Llij_81 (F1), Lorde_85 (F1), PMC_82 (F1), Rockne_86 (F1), SG4_87 (F1), Thibault_46 (J), UncleRicky_84 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, J,

Info for manual annotations of cluster F1:
•Start number 2 was manually annotated 1 time for cluster F1.
•Start number 3 was manually annotated 9 times for cluster F1.

Info for manual annotations of cluster J:
•Start number 3 was manually annotated 1 time for cluster J.

Gene Information:

Gene: Boomer_88 Start: 50735, Stop: 50950, Start Num: 2
Candidate Starts for Boomer_88:
(Start: 2 @50735 has 1 MA's), (Start: 3 @50747 has 10 MA's), (4, 50756), (5, 50783), (6, 50828), (7, 50861), (8, 50867), (9, 50942),

Gene: DirtMcgirt_84 Start: 47357, Stop: 47560, Start Num: 3
Candidate Starts for DirtMcgirt_84:
(Start: 2 @47345 has 1 MA's), (Start: 3 @47357 has 10 MA's), (4, 47366), (5, 47393), (6, 47438), (7, 47471), (8, 47477), (9, 47552),

Gene: Drago_82 Start: 47360, Stop: 47563, Start Num: 3
Candidate Starts for Drago_82:
(Start: 2 @47348 has 1 MA's), (Start: 3 @47360 has 10 MA's), (4, 47369), (5, 47396), (6, 47441), (7, 47474), (8, 47480), (9, 47555),

Gene: Enby_86 Start: 47636, Stop: 47839, Start Num: 3
Candidate Starts for Enby_86:
(Start: 2 @47624 has 1 MA's), (Start: 3 @47636 has 10 MA's), (4, 47645), (5, 47672), (6, 47717), (7, 47750), (8, 47756), (9, 47831),

Gene: Llij_81 Start: 47831, Stop: 48034, Start Num: 3
Candidate Starts for Llij_81:
(Start: 2 @47819 has 1 MA's), (Start: 3 @47831 has 10 MA's), (4, 47840), (5, 47867), (6, 47912), (7, 47945), (8, 47951), (9, 48026),

Gene: Lorde_85 Start: 46801, Stop: 47004, Start Num: 3
Candidate Starts for Lorde_85:
(Start: 2 @46789 has 1 MA's), (Start: 3 @46801 has 10 MA's), (4, 46810), (5, 46837), (6, 46882), (7, 46915), (8, 46921), (9, 46996),

Gene: PMC_82 Start: 48971, Stop: 49174, Start Num: 3
Candidate Starts for PMC_82:
(Start: 2 @48959 has 1 MA's), (Start: 3 @48971 has 10 MA's), (4, 48980), (5, 49007), (6, 49052), (7, 49085), (8, 49091), (9, 49166),

Gene: Rockne_86 Start: 48983, Stop: 49186, Start Num: 3
Candidate Starts for Rockne_86:
(Start: 2 @48971 has 1 MA's), (Start: 3 @48983 has 10 MA's), (4, 48992), (5, 49019), (6, 49064), (7, 49097), (8, 49103), (9, 49178),

Gene: SG4_87 Start: 51248, Stop: 51451, Start Num: 3
Candidate Starts for SG4_87:
(Start: 2 @51236 has 1 MA's), (Start: 3 @51248 has 10 MA's), (4, 51257), (5, 51284), (6, 51329), (7, 51362), (8, 51368), (9, 51443),

Gene: Thibault_46 Start: 41983, Stop: 41795, Start Num: 3
Candidate Starts for Thibault_46:
(1, 42049), (Start: 3 @41983 has 10 MA's),

Gene: UncleRicky_84 Start: 48857, Stop: 49060, Start Num: 3
Candidate Starts for UncleRicky_84:
(Start: 2 @48845 has 1 MA's), (Start: 3 @48857 has 10 MA's), (4, 48866), (5, 48893), (6, 48938), (7, 48971), (8, 48977), (9, 49052),