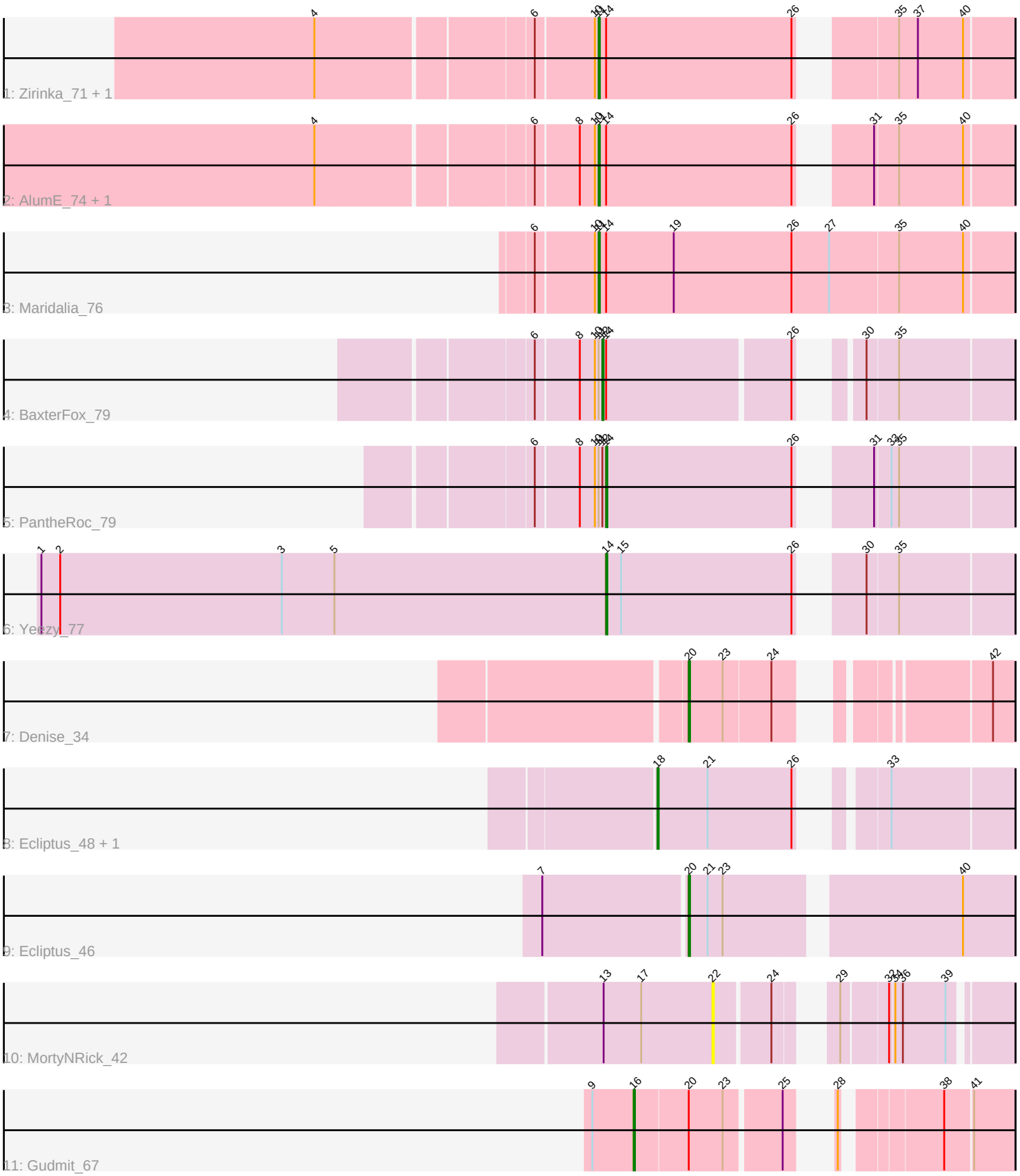
Pham 193006


1: Zirinka_71 + 1
2: AlumE_74 + 1
3: Maridalia_76
4: BaxterFox_79
5: PantheRoc_79
6: Yeezy_77
7: Denise_34
8: Ecliptus_48 + 1
9: Ecliptus_46
10: MortyNRick_42
11: Gudmit_67

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 193006 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193006 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Zirinka_71, Bialota_71
• Track 2 : AlumE_74, BoyNamedSue_74
• Track 3 : Maridalia_76
• Track 4 : BaxterFox_79
• Track 5 : PantheRoc_79
• Track 6 : Yeezy_77
• Track 7 : Denise_34
• Track 8 : Ecliptus_48, Apricot_47
• Track 9 : Ecliptus_46
• Track 10 : MortyNRick_42
• Track 11 : Gudmit_67

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

The start number called the most often in the published annotations is 11, it was called in 5 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AlumE_74, Bialota_71, BoyNamedSue_74, Maridalia_76, Zirinka_71,

Genes that have the "Most Annotated" start but do not call it:
• BaxterFox_79, PantheRoc_79,

Genes that do not have the "Most Annotated" start:
• Apricot_47, Denise_34, Ecliptus_46, Ecliptus_48, Gudmit_67, MortyNRick_42, Yeezy_77,

Summary by start number:

Start 11:
• Found in 7 of 14 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 13
• Called 71.4% of time when present

• Phage (with cluster) where this start called: AlumE_74 (CZ1), Bialota_71 (CZ1), BoyNamedSue_74 (CZ1), Maridalia_76 (CZ1), Zirinka_71 (CZ1),

Start 12:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 50.0% of time when present
• Phage (with cluster) where this start called: BaxterFox_79 (CZ3),

Start 14:
• Found in 8 of 14 (57.1%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 25.0% of time when present
• Phage (with cluster) where this start called: PantheRoc_79 (CZ3), Yeezy_77 (CZ3),

Start 16:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gudmit_67 (singleton),

Start 18:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apricot_47 (DN3), Ecliptus_48 (DN),

Start 20:
• Found in 3 of 14 (21.4%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Denise_34 (CZ5), Ecliptus_46 (DN),

Start 22:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MortyNRick_42 (DN),

Summary by clusters:

There are 6 clusters represented in this pham: DN, singleton, CZ3, CZ1, CZ5, DN3,

Info for manual annotations of cluster CZ1:
•Start number 11 was manually annotated 5 times for cluster CZ1.

Info for manual annotations of cluster CZ3:
•Start number 12 was manually annotated 1 time for cluster CZ3.
•Start number 14 was manually annotated 2 times for cluster CZ3.

Info for manual annotations of cluster CZ5:
•Start number 20 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster DN:
•Start number 18 was manually annotated 1 time for cluster DN.
•Start number 20 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN3:
•Start number 18 was manually annotated 1 time for cluster DN3.

Gene Information:

Gene: AlumE_74 Start: 49657, Stop: 49953, Start Num: 11
Candidate Starts for AlumE_74:
(4, 49447), (6, 49609), (8, 49642), (10, 49654), (Start: 11 @49657 has 5 MA's), (Start: 14 @49663 has 2 MA's), (26, 49810), (31, 49846), (35, 49864), (40, 49915),

Gene: Apricot_47 Start: 31166, Stop: 31405, Start Num: 18
Candidate Starts for Apricot_47:
(Start: 18 @31166 has 2 MA's), (21, 31205), (26, 31271), (33, 31310),

Gene: BaxterFox_79 Start: 50974, Stop: 51255, Start Num: 12
Candidate Starts for BaxterFox_79:
(6, 50923), (8, 50956), (10, 50968), (Start: 11 @50971 has 5 MA's), (Start: 12 @50974 has 1 MA's), (Start: 14 @50977 has 2 MA's), (26, 51118), (30, 51142), (35, 51166),

Gene: Bialota_71 Start: 49108, Stop: 49404, Start Num: 11
Candidate Starts for Bialota_71:
(4, 48898), (6, 49060), (10, 49105), (Start: 11 @49108 has 5 MA's), (Start: 14 @49114 has 2 MA's), (26, 49261), (35, 49315), (37, 49330), (40, 49366),

Gene: BoyNamedSue_74 Start: 49657, Stop: 49953, Start Num: 11
Candidate Starts for BoyNamedSue_74:
(4, 49447), (6, 49609), (8, 49642), (10, 49654), (Start: 11 @49657 has 5 MA's), (Start: 14 @49663 has 2 MA's), (26, 49810), (31, 49846), (35, 49864), (40, 49915),

Gene: Denise_34 Start: 27066, Stop: 27272, Start Num: 20
Candidate Starts for Denise_34:
(Start: 20 @27066 has 2 MA's), (23, 27093), (24, 27129), (42, 27255),

Gene: Ecliptus_48 Start: 33429, Stop: 33668, Start Num: 18
Candidate Starts for Ecliptus_48:
(Start: 18 @33429 has 2 MA's), (21, 33468), (26, 33534), (33, 33573),

Gene: Ecliptus_46 Start: 32573, Stop: 32812, Start Num: 20
Candidate Starts for Ecliptus_46:
(7, 32462), (Start: 20 @32573 has 2 MA's), (21, 32588), (23, 32600), (40, 32771),

Gene: Gudmit_67 Start: 40055, Stop: 40297, Start Num: 16
Candidate Starts for Gudmit_67:
(9, 40022), (Start: 16 @40055 has 1 MA's), (Start: 20 @40097 has 2 MA's), (23, 40124), (25, 40166), (28, 40178), (38, 40244), (41, 40265),

Gene: Maridalia_76 Start: 48667, Stop: 48993, Start Num: 11

Candidate Starts for Maridalia_76:
(6, 48619), (10, 48664), (Start: 11 @48667 has 5 MA's), (Start: 14 @48673 has 2 MA's), (19, 48727), (26, 48820), (27, 48850), (35, 48904), (40, 48955),

Gene: MortyNRick_42 Start: 32315, Stop: 32503, Start Num: 22
Candidate Starts for MortyNRick_42:
(13, 32228), (17, 32258), (22, 32315), (24, 32357), (29, 32384), (32, 32417), (34, 32420), (36, 32426), (39, 32459),

Gene: PantheRoc_79 Start: 50128, Stop: 50418, Start Num: 14
Candidate Starts for PantheRoc_79:
(6, 50074), (8, 50107), (10, 50119), (Start: 11 @50122 has 5 MA's), (Start: 12 @50125 has 1 MA's), (Start: 14 @50128 has 2 MA's), (26, 50275), (31, 50311), (33, 50323), (35, 50329),

Gene: Yeezy_77 Start: 47836, Stop: 48126, Start Num: 14
Candidate Starts for Yeezy_77:
(1, 47386), (2, 47401), (3, 47578), (5, 47620), (Start: 14 @47836 has 2 MA's), (15, 47848), (26, 47983), (30, 48013), (35, 48037),

Gene: Zirinka_71 Start: 49096, Stop: 49392, Start Num: 11
Candidate Starts for Zirinka_71:
(4, 48886), (6, 49048), (10, 49093), (Start: 11 @49096 has 5 MA's), (Start: 14 @49102 has 2 MA's), (26, 49249), (35, 49303), (37, 49318), (40, 49354),