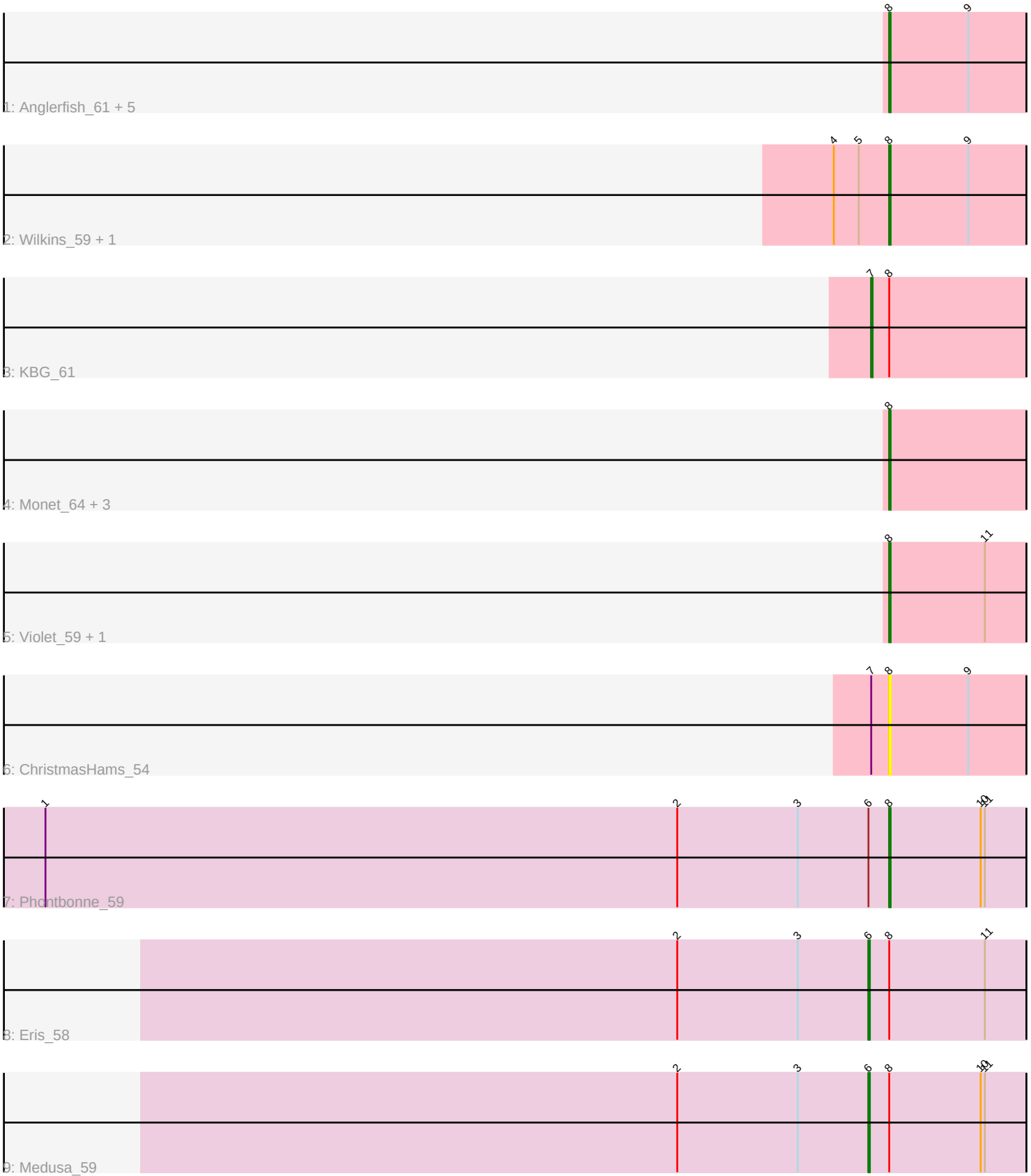
Pham 295131


8
9
1: Anglerfish_61 + 5
4
5
8
9
2: Wilkins_59 + 1
7
8
3: KBG_61
8
4: Monet_64 + 3
8
11
5: Violet_59 + 1
7
8
9
6: ChristmasHams_54
1
2
3
6
8
10
11
7: Phantbonne_59
2
3
6
8
11
8: Eris_58
2
3
6
8
10
11
9: Medusa_59

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 295131 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295131 has 19 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Anglerfish_61, Arcanine_63, Rutherferd_63, Slagathor_63, Smeagol_63, Manatee_61
• Track 2 : Wilkins_59, Topgun_59
• Track 3 : KBG_61
• Track 4 : Monet_64, Rhynn_59, Treddle_62, ILeeKay_63
• Track 5 : Violet_59, Hami1_56
• Track 6 : ChristmasHams_54
• Track 7 : Phontbonne_59
• Track 8 : Eris_58
• Track 9 : Medusa_59

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

The start number called the most often in the published annotations is 8, it was called in 15 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anglerfish_61, Arcanine_63, ChristmasHams_54, Hami1_56, ILeeKay_63, Manatee_61, Monet_64, Phontbonne_59, Rhynn_59, Rutherferd_63, Slagathor_63, Smeagol_63, Topgun_59, Treddle_62, Violet_59, Wilkins_59,

Genes that have the "Most Annotated" start but do not call it:
• Eris_58, KBG_61, Medusa_59,

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

Summary by start number:

Start 6:
• Found in 3 of 19 (15.8%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Eris_58 (A4), Medusa_59 (A4),

Start 7:
• Found in 2 of 19 (10.5%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 50.0% of time when present
• Phage (with cluster) where this start called: KBG_61 (A1),

Start 8:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 18
• Called 84.2% of time when present
• Phage (with cluster) where this start called: Anglerfish_61 (A1), Arcanine_63 (A1), ChristmasHams_54 (A1), Hami1_56 (A1), ILeeKay_63 (A1), Manatee_61 (A1), Monet_64 (A1), Phontbonne_59 (A4), Rhynn_59 (A1), Rutherferd_63 (A1), Slagathor_63 (A1), Smeagol_63 (A1), Topgun_59 (A1), Treddle_62 (A1), Violet_59 (A1), Wilkins_59 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, A4,

Info for manual annotations of cluster A1:
•Start number 7 was manually annotated 1 time for cluster A1.
•Start number 8 was manually annotated 14 times for cluster A1.

Info for manual annotations of cluster A4:
•Start number 6 was manually annotated 2 times for cluster A4.
•Start number 8 was manually annotated 1 time for cluster A4.

Gene Information:

Gene: Anglerfish_61 Start: 41309, Stop: 41190, Start Num: 8
Candidate Starts for Anglerfish_61:
(Start: 8 @41309 has 15 MA's), (9, 41252),

Gene: Arcanine_63 Start: 42033, Stop: 41914, Start Num: 8
Candidate Starts for Arcanine_63:
(Start: 8 @42033 has 15 MA's), (9, 41976),

Gene: ChristmasHams_54 Start: 38077, Stop: 37958, Start Num: 8
Candidate Starts for ChristmasHams_54:
(Start: 7 @38089 has 1 MA's), (Start: 8 @38077 has 15 MA's), (9, 38020),

Gene: Eris_58 Start: 39075, Stop: 38959, Start Num: 6
Candidate Starts for Eris_58:
(2, 39213), (3, 39126), (Start: 6 @39075 has 2 MA's), (Start: 8 @39060 has 15 MA's), (11, 38991),

Gene: Hami1_56 Start: 36682, Stop: 36563, Start Num: 8
Candidate Starts for Hami1_56:
(Start: 8 @36682 has 15 MA's), (11, 36613),

Gene: ILeeKay_63 Start: 40898, Stop: 40779, Start Num: 8
Candidate Starts for ILeeKay_63:
(Start: 8 @40898 has 15 MA's),

Gene: KBG_61 Start: 42353, Stop: 42222, Start Num: 7
Candidate Starts for KBG_61:
(Start: 7 @42353 has 1 MA's), (Start: 8 @42341 has 15 MA's),

Gene: Manatee_61 Start: 40655, Stop: 40536, Start Num: 8
Candidate Starts for Manatee_61:
(Start: 8 @40655 has 15 MA's), (9, 40598),

Gene: Medusa_59 Start: 39074, Stop: 38958, Start Num: 6
Candidate Starts for Medusa_59:
(2, 39212), (3, 39125), (Start: 6 @39074 has 2 MA's), (Start: 8 @39059 has 15 MA's), (10, 38993), (11, 38990),

Gene: Monet_64 Start: 42789, Stop: 42670, Start Num: 8
Candidate Starts for Monet_64:
(Start: 8 @42789 has 15 MA's),

Gene: Phontbonne_59 Start: 38951, Stop: 38850, Start Num: 8
Candidate Starts for Phontbonne_59:
(1, 39560), (2, 39104), (3, 39017), (Start: 6 @38966 has 2 MA's), (Start: 8 @38951 has 15 MA's), (10, 38885), (11, 38882),

Gene: Rhynn_59 Start: 40477, Stop: 40358, Start Num: 8
Candidate Starts for Rhynn_59:
(Start: 8 @40477 has 15 MA's),

Gene: Rutherferd_63 Start: 42293, Stop: 42174, Start Num: 8
Candidate Starts for Rutherferd_63:
(Start: 8 @42293 has 15 MA's), (9, 42236),

Gene: Slagathor_63 Start: 42929, Stop: 42810, Start Num: 8
Candidate Starts for Slagathor_63:
(Start: 8 @42929 has 15 MA's), (9, 42872),

Gene: Smeagol_63 Start: 42752, Stop: 42633, Start Num: 8
Candidate Starts for Smeagol_63:
(Start: 8 @42752 has 15 MA's), (9, 42695),

Gene: Topgun_59 Start: 39781, Stop: 39662, Start Num: 8
Candidate Starts for Topgun_59:
(4, 39820), (5, 39802), (Start: 8 @39781 has 15 MA's), (9, 39724),

Gene: Treddle_62 Start: 42301, Stop: 42182, Start Num: 8
Candidate Starts for Treddle_62:
(Start: 8 @42301 has 15 MA's),

Gene: Violet_59 Start: 42659, Stop: 42540, Start Num: 8
Candidate Starts for Violet_59:
(Start: 8 @42659 has 15 MA's), (11, 42590),

Gene: Wilkins_59 Start: 39711, Stop: 39592, Start Num: 8
Candidate Starts for Wilkins_59:
(4, 39750), (5, 39732), (Start: 8 @39711 has 15 MA's), (9, 39654),