Pham 164313
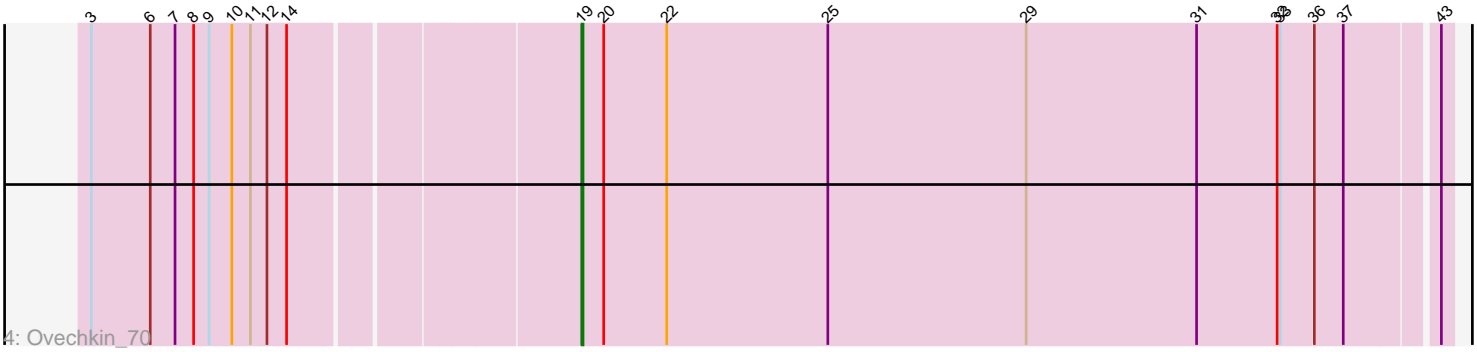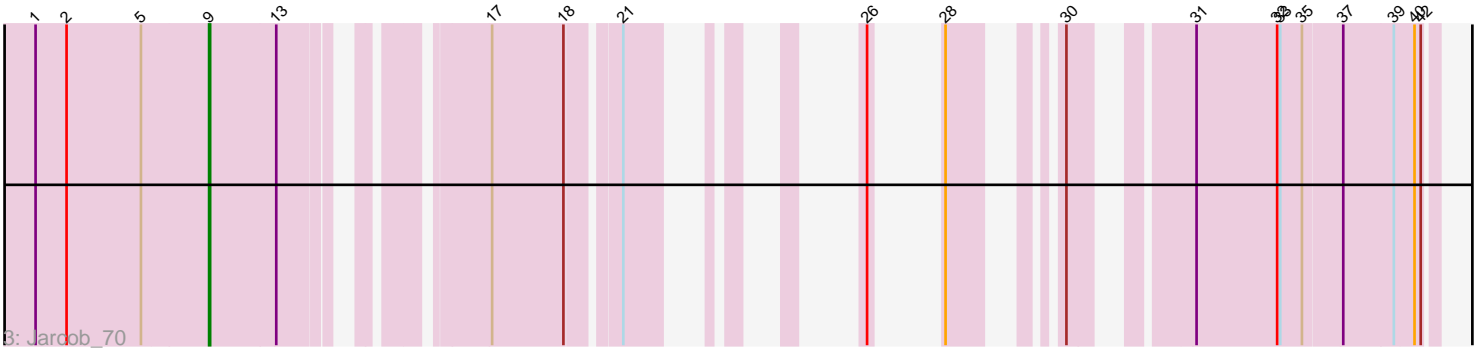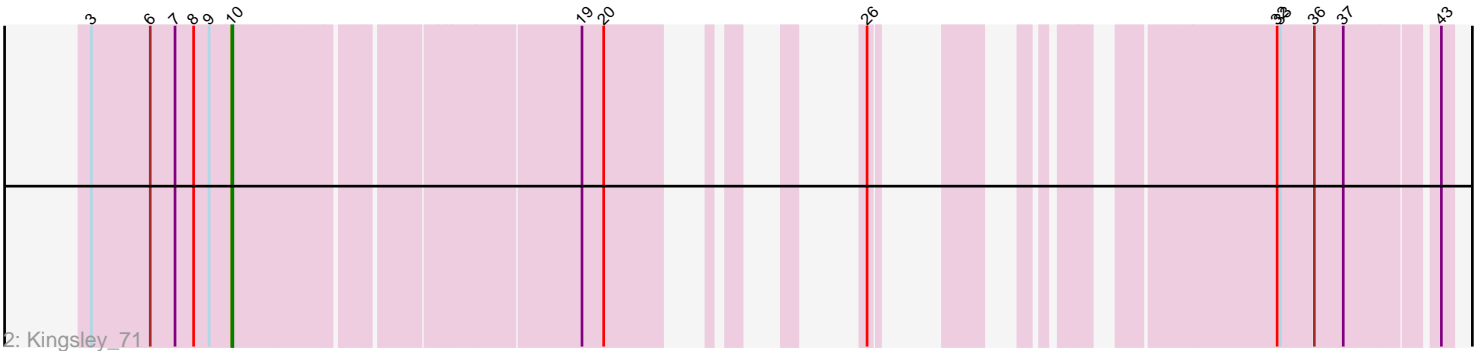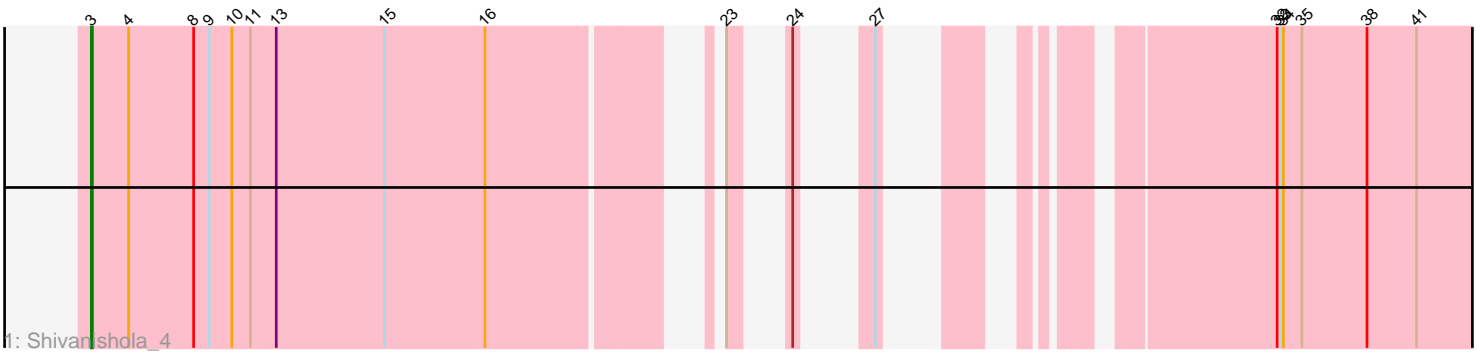

1: Shivanishola_4

2: Kingsley_71

3: Jardob_70

4: Ovechkin_70

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 164313 Report

This analysis was run 05/04/24 on database version 560.

Pham number 164313 has 4 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Shivanishola_4
• Track 2 : Kingsley_71
• Track 3 : Jarcob_70
• Track 4 : Ovechkin_70

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 1 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Shivanishola_4,

Genes that have the "Most Annotated" start but do not call it:
• Kingsley_71, Ovechkin_70,

Genes that do not have the "Most Annotated" start:
• Jarcob_70,

Summary by start number:

Start 3:
• Found in 3 of 4 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Shivanishola_4 (DE1),

Start 9:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Jarcob_70 (F1),

Start 10:

• Found in 3 of 4 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Kingsley_71 (F1),

Start 19:
• Found in 2 of 4 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ovechkin_70 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, DE1,

Info for manual annotations of cluster DE1:
•Start number 3 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster F1:
•Start number 9 was manually annotated 1 time for cluster F1.
•Start number 10 was manually annotated 1 time for cluster F1.
•Start number 19 was manually annotated 1 time for cluster F1.

Gene Information:
Gene: Jarcob_70 Start: 45803, Stop: 46582, Start Num: 9
Candidate Starts for Jarcob_70:
(1, 45638), (2, 45668), (5, 45740), (Start: 9 @45803 has 1 MA's), (13, 45866), (17, 46013), (18, 46082), (21, 46124), (26, 46208), (28, 46217), (30, 46280), (31, 46361), (32, 46439), (33, 46442), (35, 46463), (37, 46499), (39, 46547), (40, 46565), (42, 46571),

Gene: Kingsley_71 Start: 46661, Stop: 47491, Start Num: 10
Candidate Starts for Kingsley_71:
(Start: 3 @46526 has 1 MA's), (6, 46583), (7, 46607), (8, 46625), (Start: 9 @46640 has 1 MA's), (Start: 10 @46661 has 1 MA's), (Start: 19 @46967 has 1 MA's), (20, 46988), (26, 47090), (32, 47339), (33, 47342), (36, 47372), (37, 47399), (43, 47480),

Gene: Ovechkin_70 Start: 44498, Stop: 45319, Start Num: 19
Candidate Starts for Ovechkin_70:
(Start: 3 @44057 has 1 MA's), (6, 44114), (7, 44138), (8, 44156), (Start: 9 @44171 has 1 MA's), (Start: 10 @44192 has 1 MA's), (11, 44210), (12, 44225), (14, 44243), (Start: 19 @44498 has 1 MA's), (20, 44519), (22, 44579), (25, 44735), (29, 44927), (31, 45089), (32, 45167), (33, 45170), (36, 45200), (37, 45227), (43, 45308),

Gene: Shivanishola_4 Start: 2785, Stop: 3819, Start Num: 3
Candidate Starts for Shivanishola_4:
(Start: 3 @2785 has 1 MA's), (4, 2821), (8, 2884), (Start: 9 @2899 has 1 MA's), (Start: 10 @2920 has 1 MA's), (11, 2938), (13, 2962), (15, 3067), (16, 3163), (23, 3331), (24, 3352), (27, 3373), (32, 3622), (33, 3625), (34, 3628), (35, 3646), (38, 3709), (41, 3757),