Pham 7264
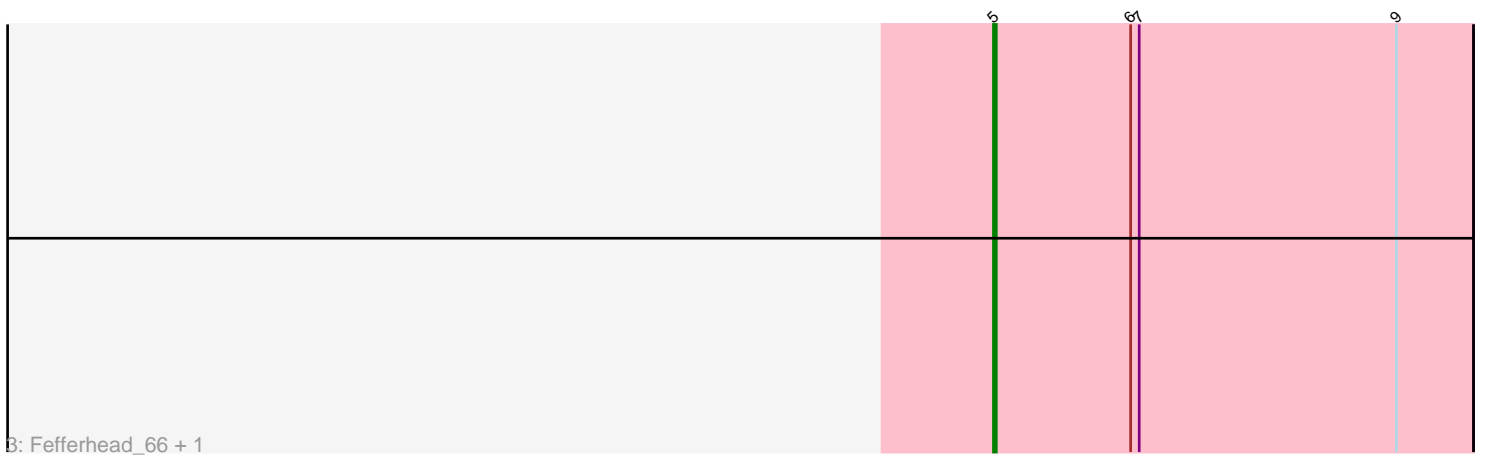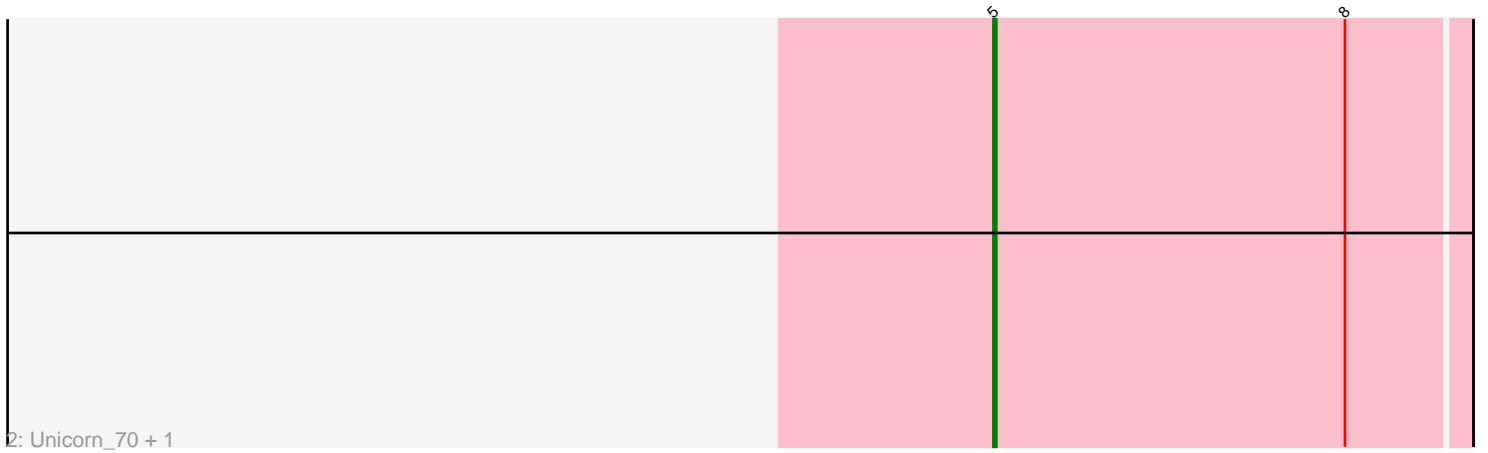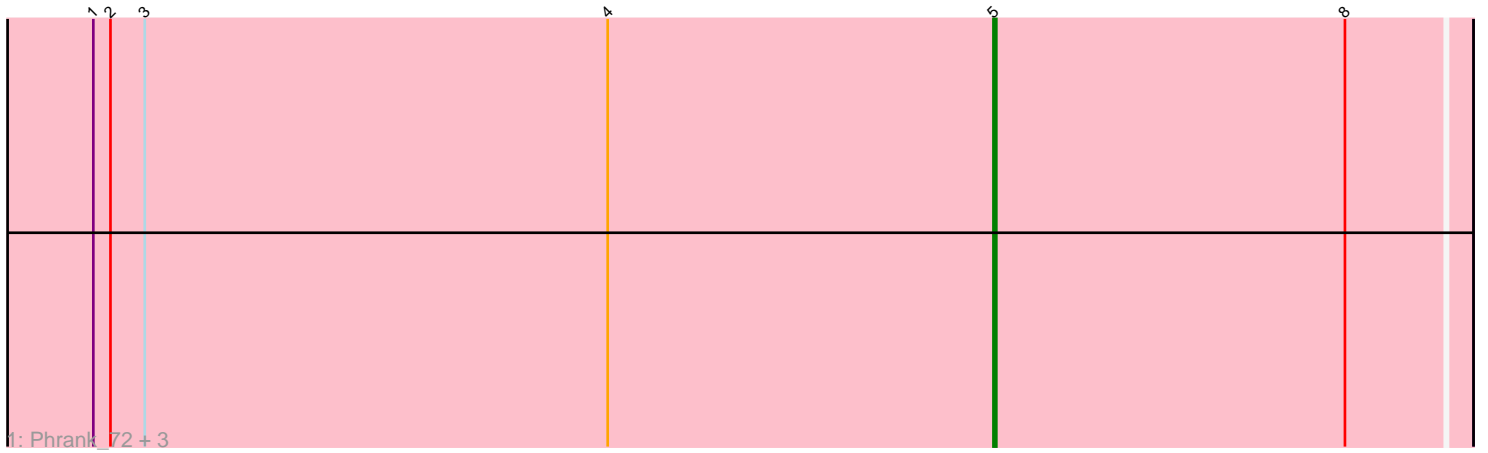

1: Phrank_72 + 3

2: Unicorn_70 + 1

3: Fefferhead_66 + 1

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 7264 Report

This analysis was run 07/09/24 on database version 566.

Pham number 7264 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Phrank_72, Cain_72, Bryler_72, Tierra_72
• Track 2 : Unicorn_70, PhelpsODU_70
• Track 3 : Fefferhead_66, Ellie_64

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bryler_72, Cain_72, Ellie_64, Fefferhead_66, PhelpsODU_70, Phrank_72, Tierra_72, Unicorn_70,

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

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

Summary by start number:

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bryler_72 (K6), Cain_72 (K6), Ellie_64 (K6), Fefferhead_66 (K6), PhelpsODU_70 (K6), Phrank_72 (K6), Tierra_72 (K6), Unicorn_70 (K6),

Summary by clusters:

There is one cluster represented in this pham: K6

Info for manual annotations of cluster K6:

•Start number 5 was manually annotated 8 times for cluster K6.

Gene Information:

Gene: Bryler_72 Start: 44086, Stop: 44250, Start Num: 5
Candidate Starts for Bryler_72:
(1, 43771), (2, 43777), (3, 43789), (4, 43951), (Start: 5 @44086 has 8 MA's), (8, 44209),

Gene: Cain_72 Start: 44074, Stop: 44238, Start Num: 5
Candidate Starts for Cain_72:
(1, 43759), (2, 43765), (3, 43777), (4, 43939), (Start: 5 @44074 has 8 MA's), (8, 44197),

Gene: Ellie_64 Start: 44035, Stop: 44202, Start Num: 5
Candidate Starts for Ellie_64:
(Start: 5 @44035 has 8 MA's), (6, 44083), (7, 44086), (9, 44176),

Gene: Fefferhead_66 Start: 43944, Stop: 44111, Start Num: 5
Candidate Starts for Fefferhead_66:
(Start: 5 @43944 has 8 MA's), (6, 43992), (7, 43995), (9, 44085),

Gene: PhelpsODU_70 Start: 44001, Stop: 44165, Start Num: 5
Candidate Starts for PhelpsODU_70:
(Start: 5 @44001 has 8 MA's), (8, 44124),

Gene: Phrank_72 Start: 44064, Stop: 44228, Start Num: 5
Candidate Starts for Phrank_72:
(1, 43749), (2, 43755), (3, 43767), (4, 43929), (Start: 5 @44064 has 8 MA's), (8, 44187),

Gene: Tierra_72 Start: 44875, Stop: 45039, Start Num: 5
Candidate Starts for Tierra_72:
(1, 44560), (2, 44566), (3, 44578), (4, 44740), (Start: 5 @44875 has 8 MA's), (8, 44998),

Gene: Unicorn_70 Start: 44001, Stop: 44165, Start Num: 5
Candidate Starts for Unicorn_70:
(Start: 5 @44001 has 8 MA's), (8, 44124),