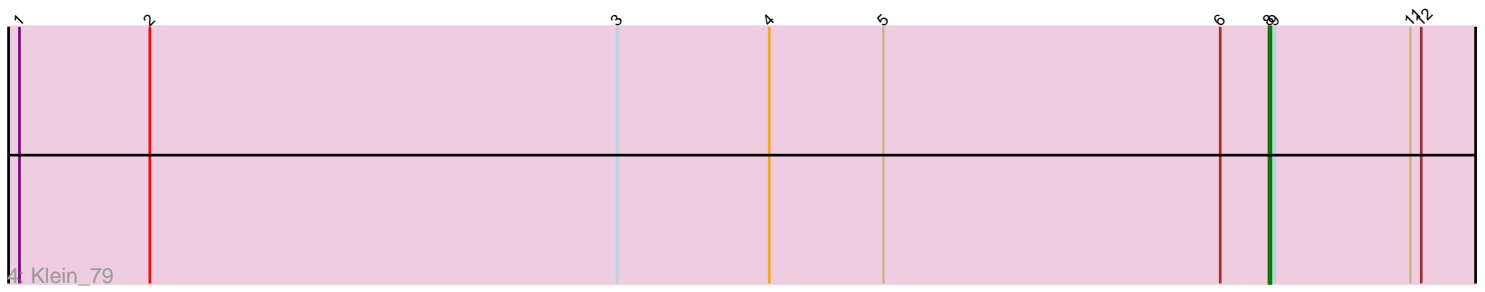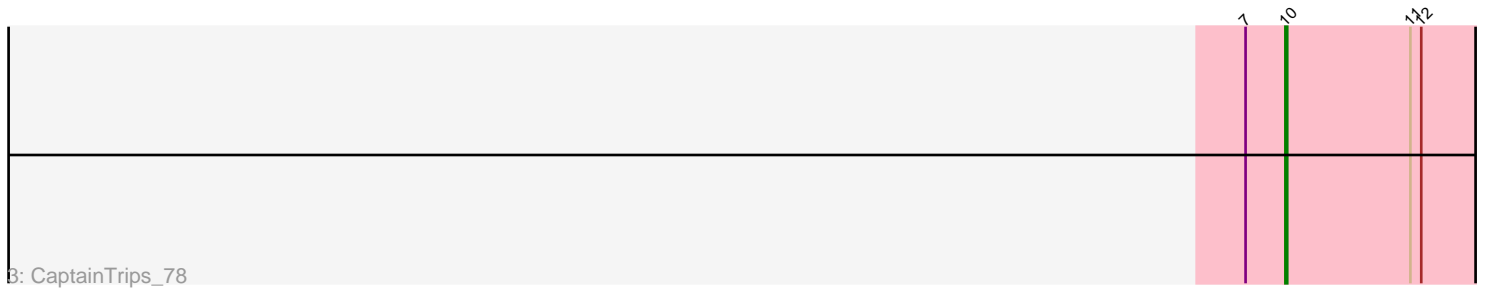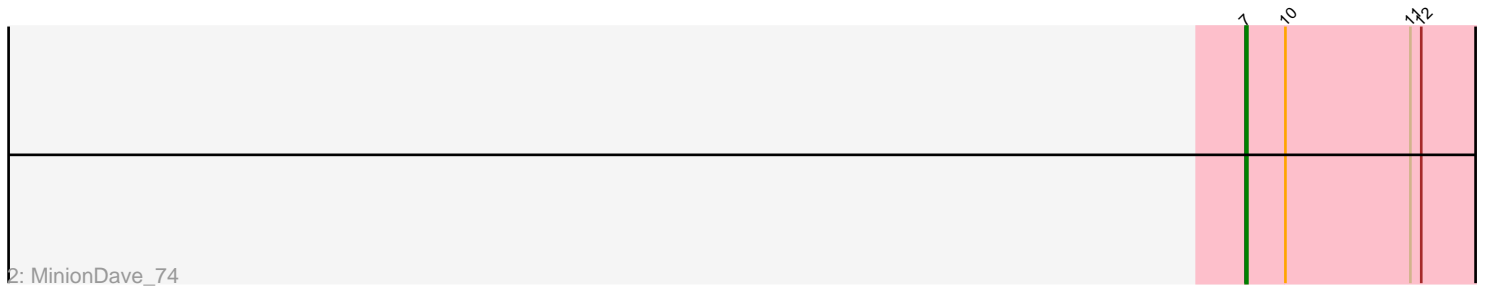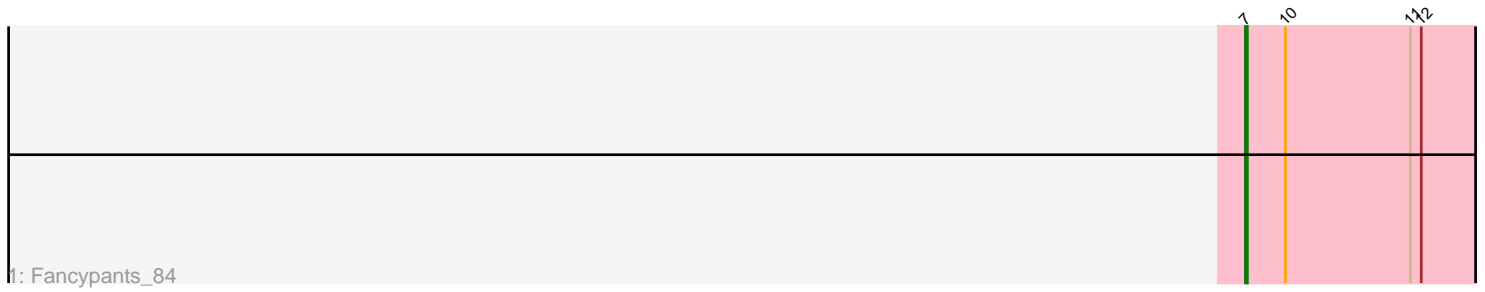# Pham 88697

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 88697 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88697 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Fancypants_84
• Track 2 : MinionDave_74
• Track 3 : CaptainTrips_78
• Track 4 : Klein_79
• Track 5 : Wanda_83

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

The start number called the most often in the published annotations is 7, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fancypants_84, MinionDave_74,

Genes that have the "Most Annotated" start but do not call it:
• CaptainTrips_78,

Genes that do not have the "Most Annotated" start:
• Klein_79, Wanda_83,

Summary by start number:

Start 7:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Fancypants_84 (F1), MinionDave_74 (F1),

Start 8:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Klein_79 (J),

Start 9:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Wanda_83 (J),

Start 10:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 33.3% of time when present
• Phage (with cluster) where this start called: CaptainTrips_78 (F1),

Summary by clusters:

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

Info for manual annotations of cluster F1:
•Start number 7 was manually annotated 2 times for cluster F1.
•Start number 10 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster J:
•Start number 8 was manually annotated 1 time for cluster J.
•Start number 9 was manually annotated 1 time for cluster J.

Gene Information:

Gene: CaptainTrips_78 Start: 47738, Stop: 47893, Start Num: 10
Candidate Starts for CaptainTrips_78:
(Start: 7 @47717 has 2 MA's), (Start: 10 @47738 has 1 MA's), (11, 47807), (12, 47813),

Gene: Fancypants_84 Start: 50231, Stop: 50407, Start Num: 7
Candidate Starts for Fancypants_84:
(Start: 7 @50231 has 2 MA's), (Start: 10 @50252 has 1 MA's), (11, 50321), (12, 50327),

Gene: Klein_79 Start: 51511, Stop: 51347, Start Num: 8
Candidate Starts for Klein_79:
(1, 52201), (2, 52129), (3, 51871), (4, 51787), (5, 51724), (6, 51538), (Start: 8 @51511 has 1 MA's),
(Start: 9 @51508 has 1 MA's), (11, 51433), (12, 51427),

Gene: MinionDave_74 Start: 47717, Stop: 47893, Start Num: 7
Candidate Starts for MinionDave_74:
(Start: 7 @47717 has 2 MA's), (Start: 10 @47738 has 1 MA's), (11, 47807), (12, 47813),

Gene: Wanda_83 Start: 51817, Stop: 51656, Start Num: 9
Candidate Starts for Wanda_83:
(1, 52510), (2, 52438), (3, 52180), (4, 52096), (5, 52033), (6, 51847), (Start: 8 @51820 has 1 MA's),
(Start: 9 @51817 has 1 MA's), (11, 51742), (12, 51736),