Pham 10406

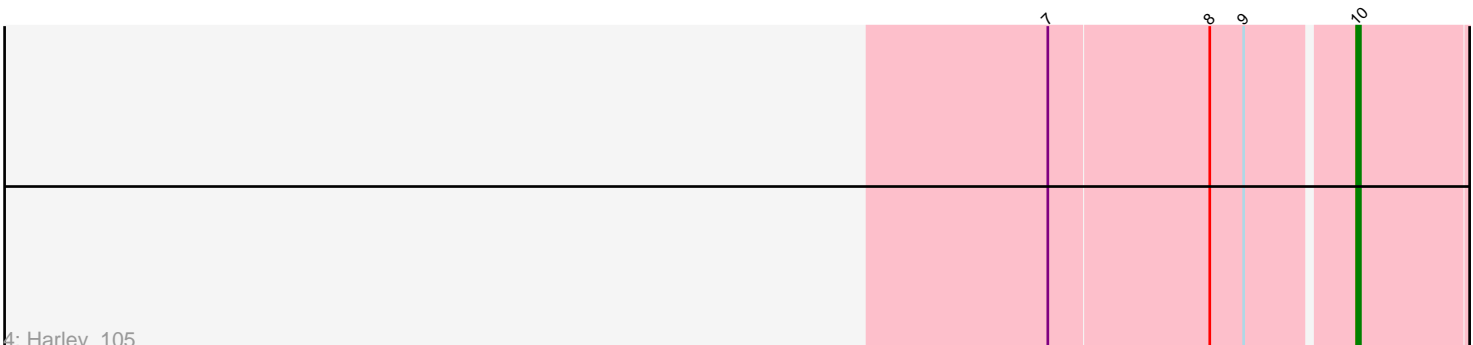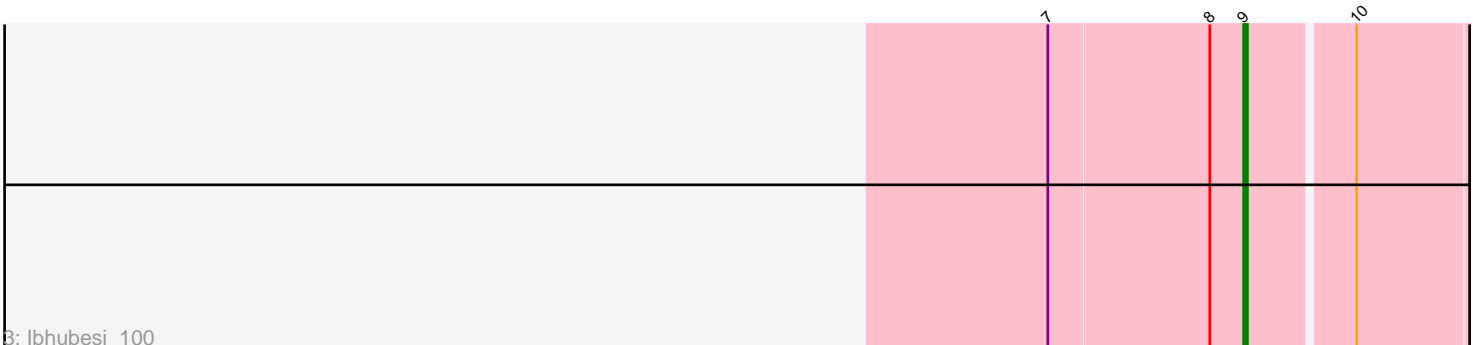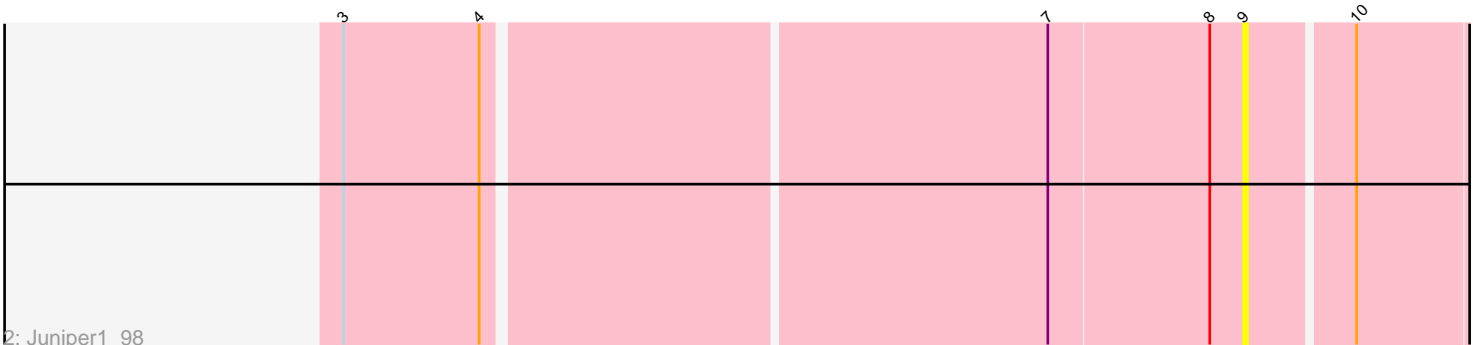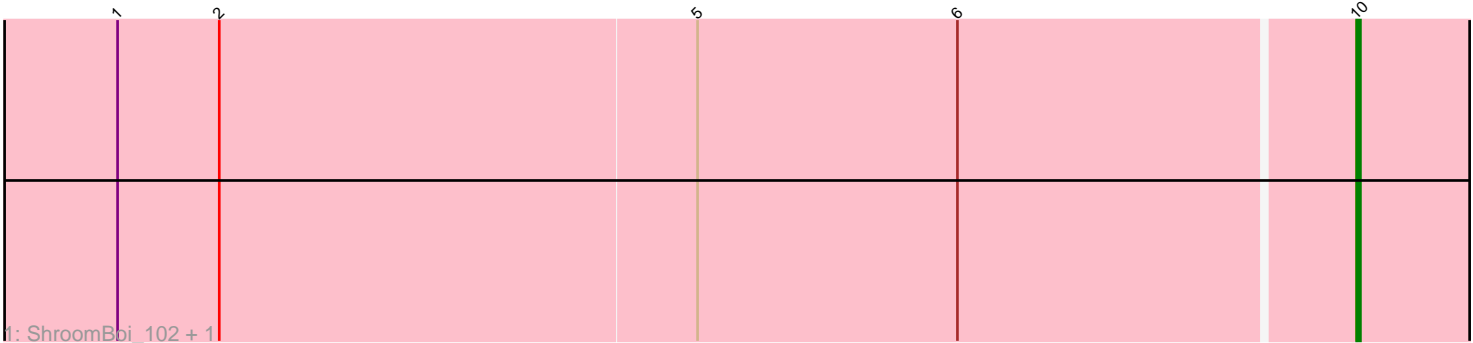1: ShroomBoi_102 + 1

2: Juniper1_98

3: Ibhubesi_100

4: Harley_105

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 10406 Report

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

Pham number 10406 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : ShroomBoi_102, Beakin_97
• Track 2 : Juniper1_98
• Track 3 : Ibhubesi_100
• Track 4 : Harley_105

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

The start number called the most often in the published annotations is 10, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beakin_97, Harley_105, ShroomBoi_102,

Genes that have the "Most Annotated" start but do not call it:
• Ibhubesi_100, Juniper1_98,

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

Summary by start number:

Start 9:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Ibhubesi_100 (F1), Juniper1_98 (F1),

Start 10:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Beakin_97 (F1), Harley_105 (F1), ShroomBoi_102 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:
•Start number 9 was manually annotated 1 time for cluster F1.
•Start number 10 was manually annotated 3 times for cluster F1.

Gene Information:
Gene: Beakin_97 Start: 53862, Stop: 54002, Start Num: 10
Candidate Starts for Beakin_97:
(1, 53538), (2, 53565), (5, 53691), (6, 53760), (Start: 10 @53862 has 3 MA's),

Gene: Harley_105 Start: 57279, Stop: 57419, Start Num: 10
Candidate Starts for Harley_105:
(7, 57201), (8, 57243), (Start: 9 @57252 has 1 MA's), (Start: 10 @57279 has 3 MA's),

Gene: Ibhubesi_100 Start: 54121, Stop: 54288, Start Num: 9
Candidate Starts for Ibhubesi_100:
(7, 54070), (8, 54112), (Start: 9 @54121 has 1 MA's), (Start: 10 @54148 has 3 MA's),

Gene: Juniper1_98 Start: 55019, Stop: 55186, Start Num: 9
Candidate Starts for Juniper1_98:
(3, 54788), (4, 54824), (7, 54968), (8, 55010), (Start: 9 @55019 has 1 MA's), (Start: 10 @55046 has 3 MA's),

Gene: ShroomBoi_102 Start: 56769, Stop: 56909, Start Num: 10
Candidate Starts for ShroomBoi_102:
(1, 56445), (2, 56472), (5, 56598), (6, 56667), (Start: 10 @56769 has 3 MA's),