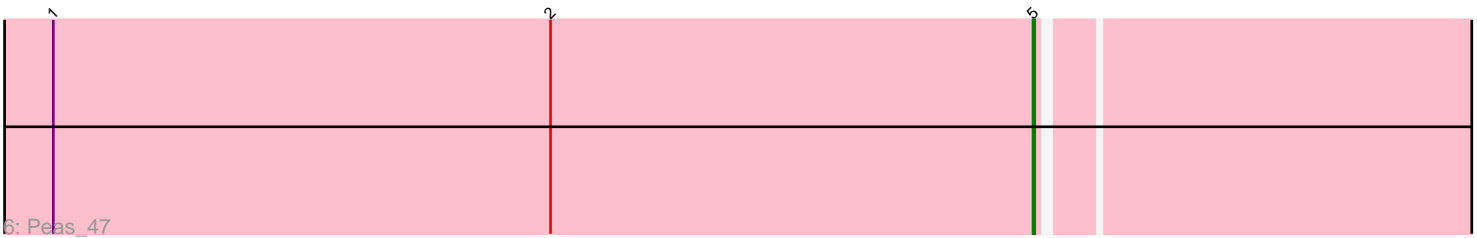
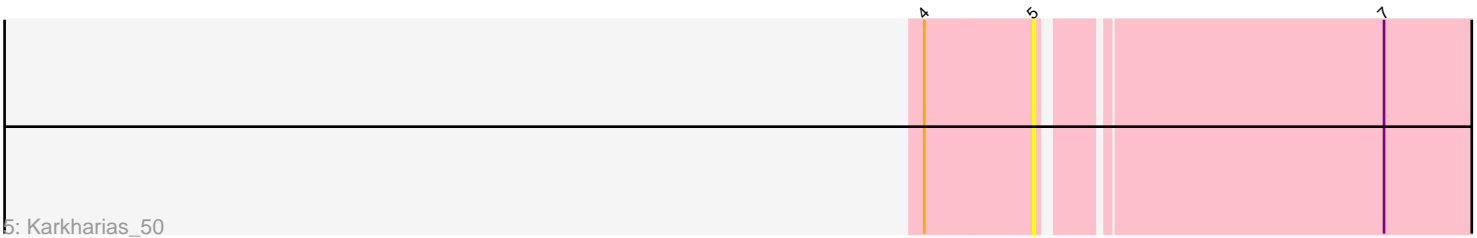
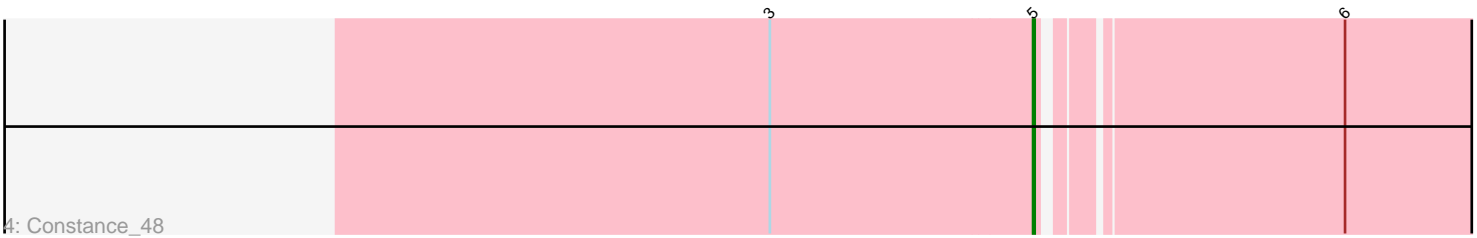
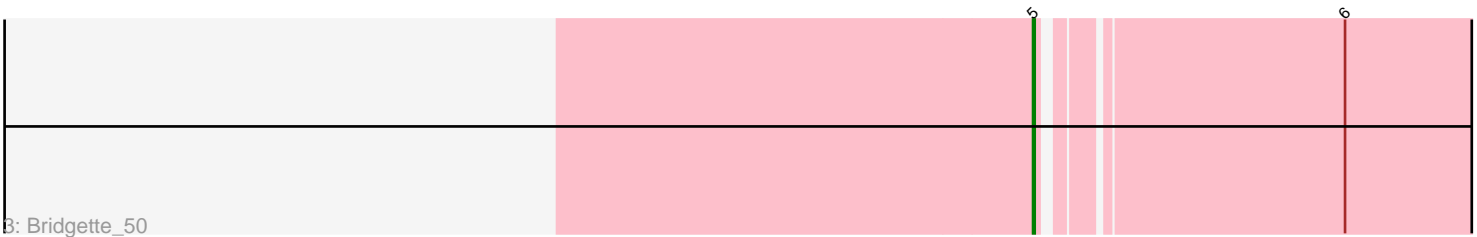
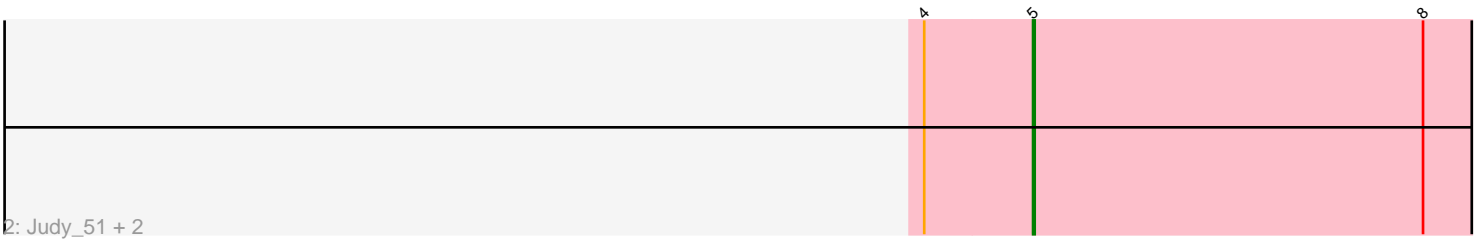
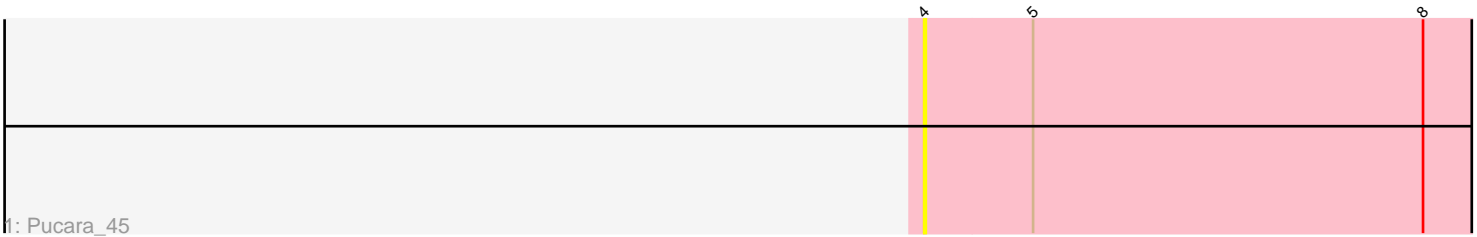


Pham 7370



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 7370 Report

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

Pham number 7370 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Pucara_45
- Track 2 : Judy_51, PeggyLeg03_48, GlobiWarming_50
- Track 3 : Bridgette_50
- Track 4 : Constance_48
- Track 5 : Karkharias_50
- Track 6 : Peas_47

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bridgette_50, Constance_48, GlobiWarming_50, Judy_51, Karkharias_50, Peas_47, PeggyLeg03_48,

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

- Pucara_45,

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

-

Summary by start number:

Start 4:

- Found in 5 of 8 (62.5%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Pucara_45 (FA),

Start 5:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 87.5% of time when present

- Phage (with cluster) where this start called: Bridgette_50 (FA), Constance_48 (FA), GlobiWarming_50 (FA), Judy_51 (FA), Karkharias_50 (FA), Peas_47 (FA), PeggyLeg03_48 (FA),

Summary by clusters:

There is one cluster represented in this pham: FA

Info for manual annotations of cluster FA:

- Start number 5 was manually annotated 6 times for cluster FA.

Gene Information:

Gene: Bridgette_50 Start: 32869, Stop: 33177, Start Num: 5

Candidate Starts for Bridgette_50:

(Start: 5 @32869 has 6 MA's), (6, 33040),

Gene: Constance_48 Start: 32504, Stop: 32812, Start Num: 5

Candidate Starts for Constance_48:

(3, 32345), (Start: 5 @32504 has 6 MA's), (6, 32675),

Gene: GlobiWarming_50 Start: 32265, Stop: 32576, Start Num: 5

Candidate Starts for GlobiWarming_50:

(4, 32199), (Start: 5 @32265 has 6 MA's), (8, 32505),

Gene: Judy_51 Start: 33333, Stop: 33644, Start Num: 5

Candidate Starts for Judy_51:

(4, 33267), (Start: 5 @33333 has 6 MA's), (8, 33573),

Gene: Karkharias_50 Start: 32398, Stop: 32718, Start Num: 5

Candidate Starts for Karkharias_50:

(4, 32332), (Start: 5 @32398 has 6 MA's), (7, 32596),

Gene: Peas_47 Start: 33269, Stop: 33574, Start Num: 5

Candidate Starts for Peas_47:

(1, 32666), (2, 32972), (Start: 5 @33269 has 6 MA's),

Gene: PeggyLeg03_48 Start: 32511, Stop: 32822, Start Num: 5

Candidate Starts for PeggyLeg03_48:

(4, 32445), (Start: 5 @32511 has 6 MA's), (8, 32751),

Gene: Pucara_45 Start: 32050, Stop: 32427, Start Num: 4

Candidate Starts for Pucara_45:

(4, 32050), (Start: 5 @32116 has 6 MA's), (8, 32356),