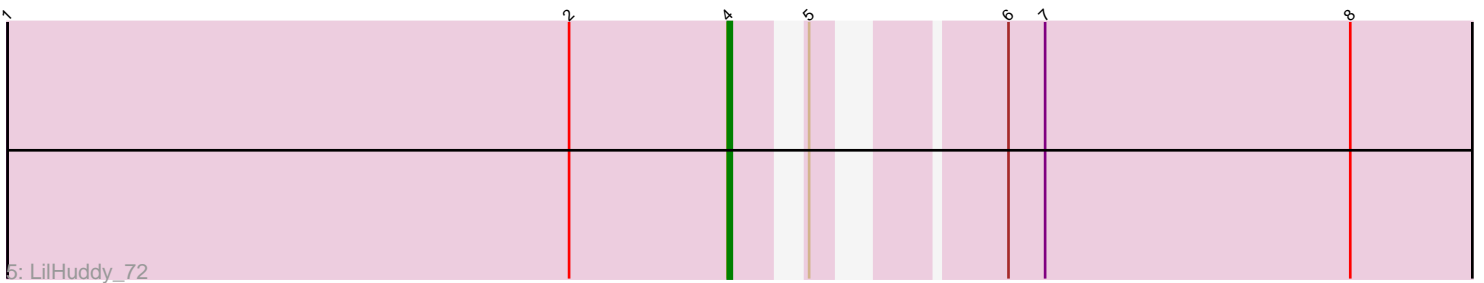
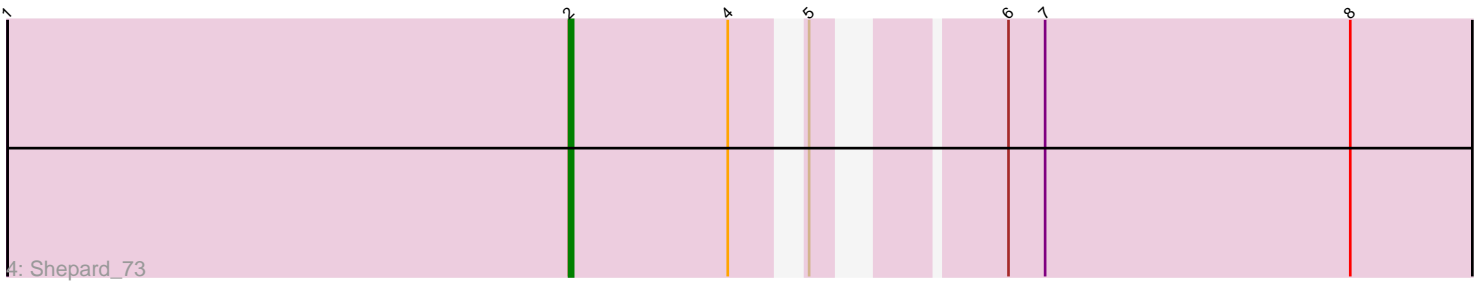
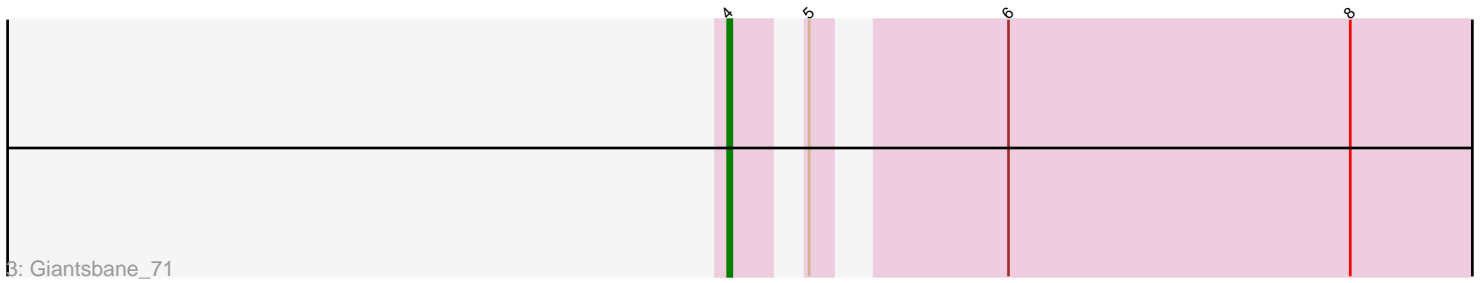
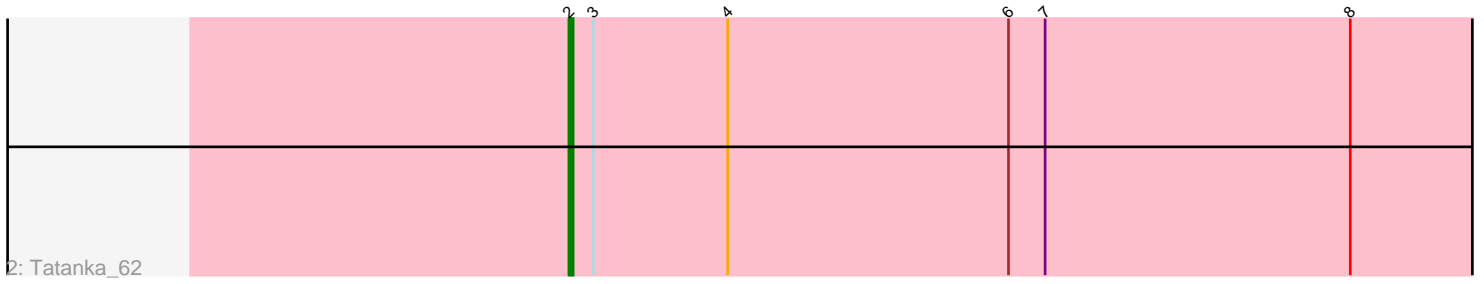
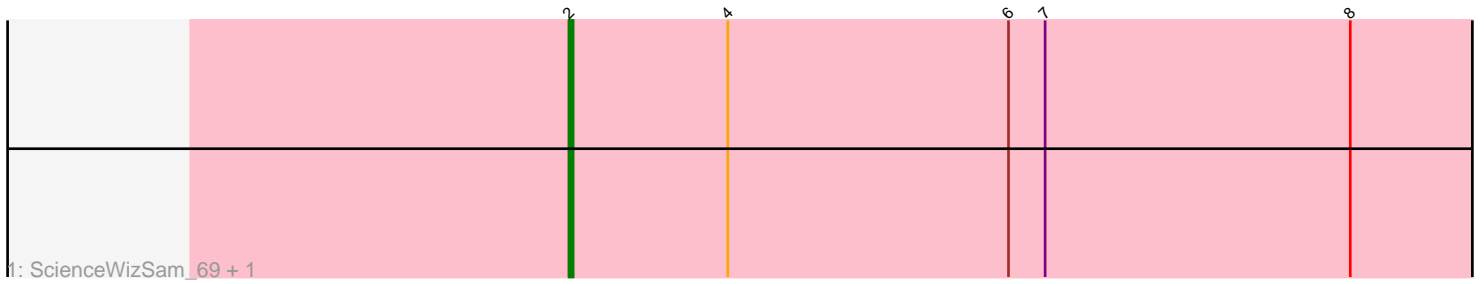


Pham 201001



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 201001 Report

This analysis was run 01/18/25 on database version 583.

Pham number 201001 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : ScienceWizSam_69, Synepsis_65
- Track 2 : Tatanka_62
- Track 3 : Giantsbane_71
- Track 4 : Shepard_73
- Track 5 : LilHuddy_72

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ScienceWizSam_69, Shepard_73, Synepsis_65, Tatanka_62,

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

- LilHuddy_72,

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

- Giantsbane_71,

Summary by start number:

Start 2:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 80.0% of time when present
- Phage (with cluster) where this start called: ScienceWizSam_69 (AU1), Shepard_73 (AU2), Synepsis_65 (AU1), Tatanka_62 (AU1),

Start 4:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 33.3% of time when present

- Phage (with cluster) where this start called: Giantsbane_71 (AU2), LilHuddy_72 (AU2),

Summary by clusters:

There are 2 clusters represented in this pham: AU1, AU2,

Info for manual annotations of cluster AU1:

- Start number 2 was manually annotated 3 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 2 was manually annotated 1 time for cluster AU2.
- Start number 4 was manually annotated 2 times for cluster AU2.

Gene Information:

Gene: Giantsbane_71 Start: 45514, Stop: 45702, Start Num: 4

Candidate Starts for Giantsbane_71:

(Start: 4 @45514 has 2 MA's), (5, 45526), (6, 45565), (8, 45649),

Gene: LilHuddy_72 Start: 46642, Stop: 46827, Start Num: 4

Candidate Starts for LilHuddy_72:

(1, 46465), (Start: 2 @46603 has 4 MA's), (Start: 4 @46642 has 2 MA's), (5, 46654), (6, 46690), (7, 46699), (8, 46774),

Gene: ScienceWizSam_69 Start: 46505, Stop: 46750, Start Num: 2

Candidate Starts for ScienceWizSam_69:

(Start: 2 @46505 has 4 MA's), (Start: 4 @46544 has 2 MA's), (6, 46613), (7, 46622), (8, 46697),

Gene: Shepard_73 Start: 46456, Stop: 46680, Start Num: 2

Candidate Starts for Shepard_73:

(1, 46318), (Start: 2 @46456 has 4 MA's), (Start: 4 @46495 has 2 MA's), (5, 46507), (6, 46543), (7, 46552), (8, 46627),

Gene: Synopsis_65 Start: 46273, Stop: 46515, Start Num: 2

Candidate Starts for Synopsis_65:

(Start: 2 @46273 has 4 MA's), (Start: 4 @46312 has 2 MA's), (6, 46381), (7, 46390), (8, 46465),

Gene: Tatanka_62 Start: 46412, Stop: 46657, Start Num: 2

Candidate Starts for Tatanka_62:

(Start: 2 @46412 has 4 MA's), (3, 46418), (Start: 4 @46451 has 2 MA's), (6, 46520), (7, 46529), (8, 46604),