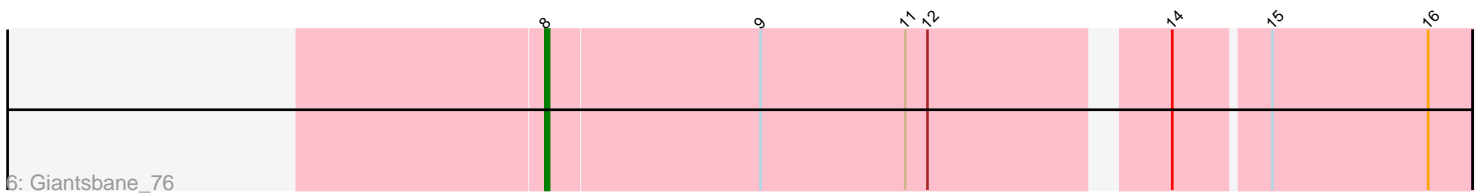
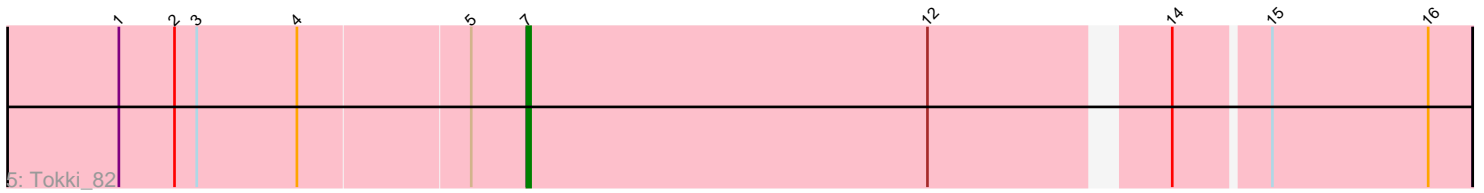
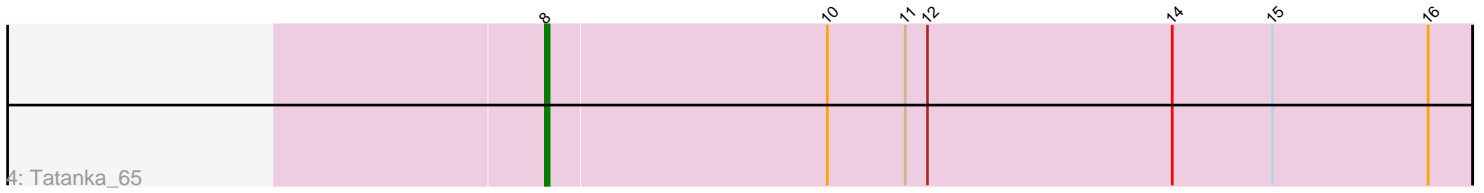
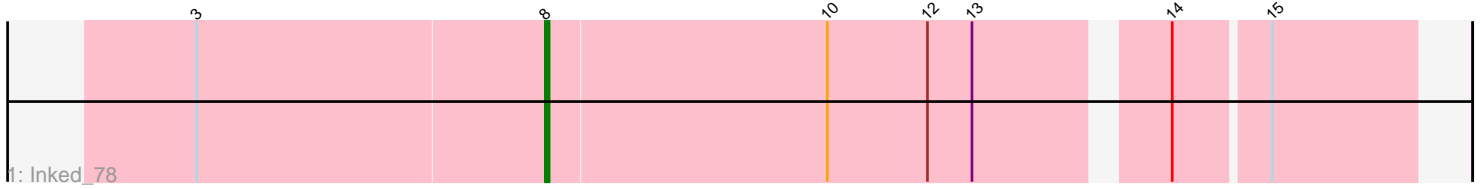


Pham 6235



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 6235 Report

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

Pham number 6235 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Inked_78
- Track 2 : MiniBagel_72, Tenno_71
- Track 3 : Nightmare_72
- Track 4 : Tatanka_65
- Track 5 : Tokki_82
- Track 6 : Giantsbane_76
- Track 7 : Shepard_77
- Track 8 : Loretta_74, Ingrid_78

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

The start number called the most often in the published annotations is 8, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Giantsbane_76, Inked_78, MiniBagel_72, Nightmare_72, Shepard_77, Tatanka_65, Tenno_71,

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

-

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

- Ingrid_78, Loretta_74, Tokki_82,

Summary by start number:

Start 6:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ingrid_78 (AU3), Loretta_74 (AU3),

Start 7:

- Found in 1 of 10 (10.0%) of genes in pham

- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tokki_82 (AU2),

Start 8:

- Found in 7 of 10 (70.0%) of genes in pham
- Manual Annotations of this start: 7 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Giantsbane_76 (AU2), Inked_78 (AU), MiniBagel_72 (AU1), Nightmare_72 (AU1), Shepard_77 (AU2), Tatanka_65 (AU1), Tenno_71 (AU1),

Summary by clusters:

There are 4 clusters represented in this pham: AU1, AU3, AU2, AU,

Info for manual annotations of cluster AU:

- Start number 8 was manually annotated 1 time for cluster AU.

Info for manual annotations of cluster AU1:

- Start number 8 was manually annotated 4 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 7 was manually annotated 1 time for cluster AU2.
- Start number 8 was manually annotated 2 times for cluster AU2.

Info for manual annotations of cluster AU3:

- Start number 6 was manually annotated 2 times for cluster AU3.

Gene Information:

Gene: Giantsbane_76 Start: 46887, Stop: 47123, Start Num: 8

Candidate Starts for Giantsbane_76:

(Start: 8 @46887 has 7 MA's), (9, 46944), (11, 46983), (12, 46989), (14, 47046), (15, 47070), (16, 47112),

Gene: Ingrid_78 Start: 48110, Stop: 48334, Start Num: 6

Candidate Starts for Ingrid_78:

(Start: 6 @48110 has 2 MA's), (11, 48206), (12, 48212), (15, 48296),

Gene: Inked_78 Start: 48862, Stop: 49083, Start Num: 8

Candidate Starts for Inked_78:

(3, 48769), (Start: 8 @48862 has 7 MA's), (10, 48937), (12, 48964), (13, 48976), (14, 49021), (15, 49045),

Gene: Loretta_74 Start: 48110, Stop: 48334, Start Num: 6

Candidate Starts for Loretta_74:

(Start: 6 @48110 has 2 MA's), (11, 48206), (12, 48212), (15, 48296),

Gene: MiniBagel_72 Start: 48301, Stop: 48546, Start Num: 8

Candidate Starts for MiniBagel_72:

(Start: 8 @48301 has 7 MA's), (11, 48397), (12, 48403), (14, 48466), (15, 48493), (16, 48535),

Gene: Nightmare_72 Start: 48635, Stop: 48880, Start Num: 8

Candidate Starts for Nightmare_72:

(Start: 8 @48635 has 7 MA's), (11, 48731), (12, 48737), (14, 48800), (15, 48827), (16, 48869),

Gene: Shepard_77 Start: 47896, Stop: 48132, Start Num: 8

Candidate Starts for Shepard_77:

(Start: 8 @47896 has 7 MA's), (12, 47998), (14, 48055), (15, 48079), (16, 48121),

Gene: Tatanka_65 Start: 47815, Stop: 48063, Start Num: 8

Candidate Starts for Tatanka_65:

(Start: 8 @47815 has 7 MA's), (10, 47890), (11, 47911), (12, 47917), (14, 47983), (15, 48010), (16, 48052),

Gene: Tenno_71 Start: 48334, Stop: 48579, Start Num: 8

Candidate Starts for Tenno_71:

(Start: 8 @48334 has 7 MA's), (11, 48430), (12, 48436), (14, 48499), (15, 48526), (16, 48568),

Gene: Tokki_82 Start: 48360, Stop: 48602, Start Num: 7

Candidate Starts for Tokki_82:

(1, 48252), (2, 48267), (3, 48273), (4, 48300), (5, 48345), (Start: 7 @48360 has 1 MA's), (12, 48468), (14, 48525), (15, 48549), (16, 48591),