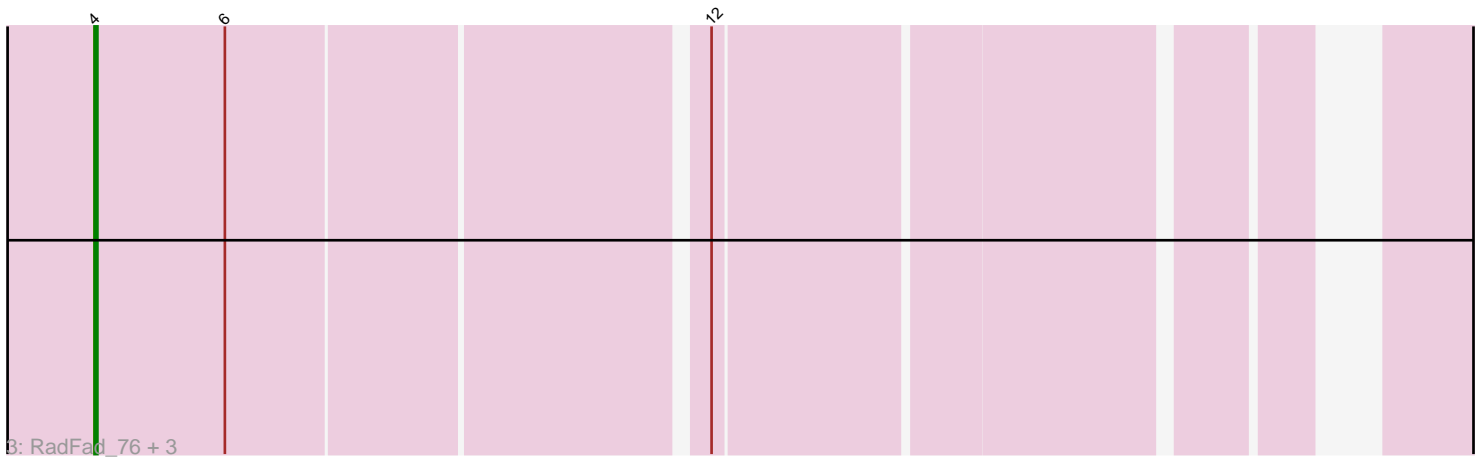
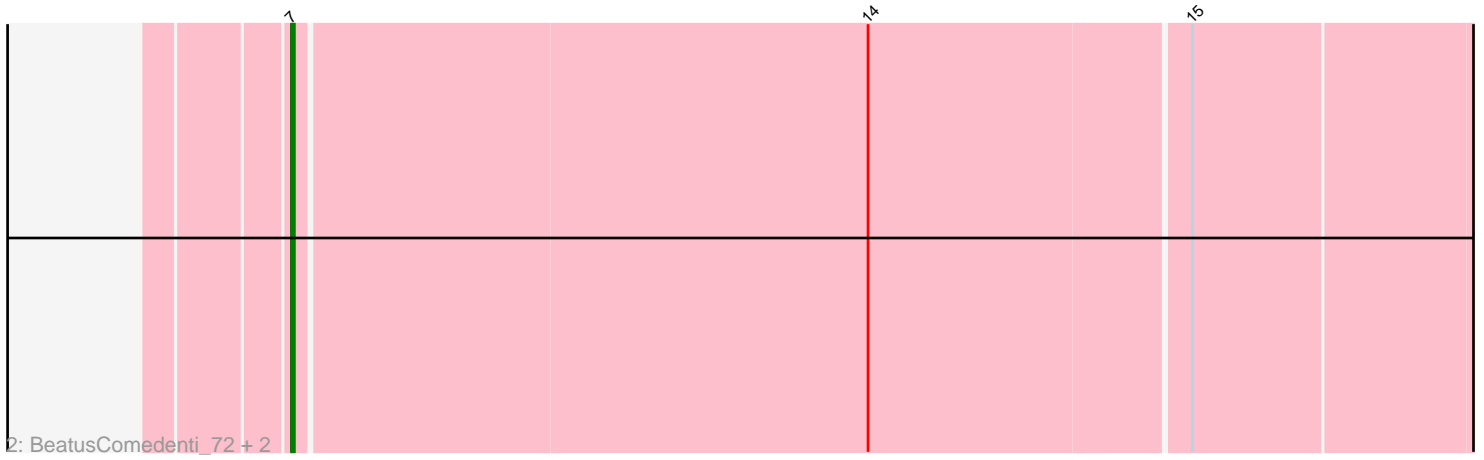
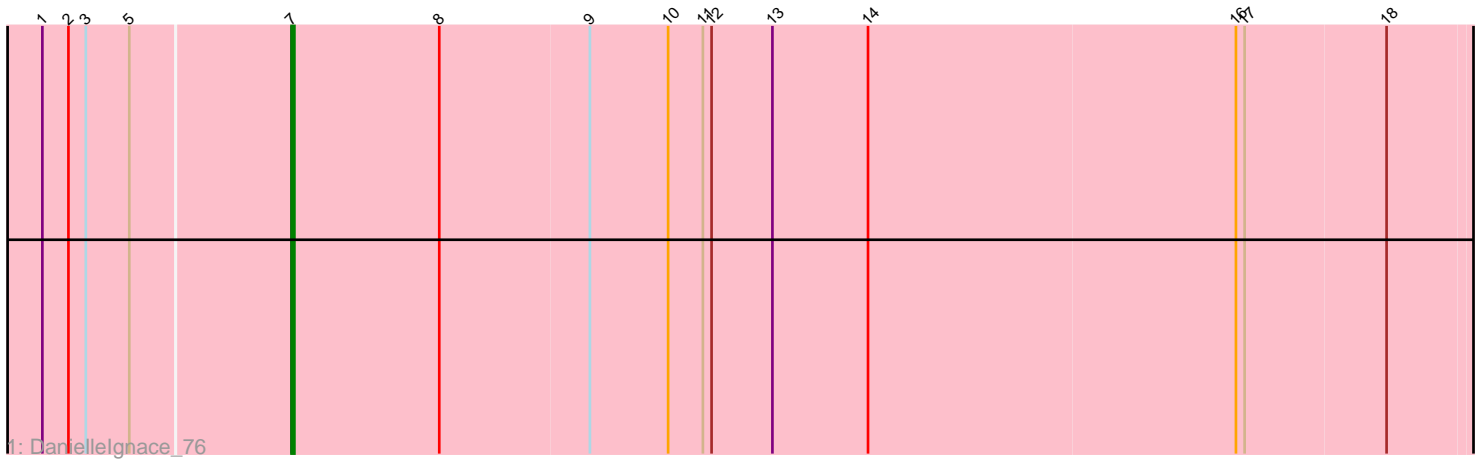


Pham 295402



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 295402 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295402 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : DanielleIgnace_76
- Track 2 : BeatusComedenti_72, KellEzio_71, Kitkat_73
- Track 3 : RadFad_76, Vopal_73, Hillester_76, Auxilium_68

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BeatusComedenti_72, DanielleIgnace_76, KellEzio_71, Kitkat_73,

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

-

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

- Auxilium_68, Hillester_76, RadFad_76, Vopal_73,

Summary by start number:

Start 4:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auxilium_68 (AY), Hillester_76 (AY), RadFad_76 (AY), Vopal_73 (AY),

Start 7:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BeatusComedenti_72 (AT), DanielleIgnace_76 (AT), KellEzio_71 (AT), Kitkat_73 (AT),

Summary by clusters:

There are 2 clusters represented in this pham: AY, AT,

Info for manual annotations of cluster AT:

•Start number 7 was manually annotated 4 times for cluster AT.

Info for manual annotations of cluster AY:

•Start number 4 was manually annotated 3 times for cluster AY.

Gene Information:

Gene: Auxilium_68 Start: 35492, Stop: 35971, Start Num: 4

Candidate Starts for Auxilium_68:

(Start: 4 @35492 has 3 MA's), (6, 35537), (12, 35693),

Gene: BeatusComedenti_72 Start: 43978, Stop: 44424, Start Num: 7

Candidate Starts for BeatusComedenti_72:

(Start: 7 @43978 has 4 MA's), (14, 44173), (15, 44281),

Gene: DanielleIgnace_76 Start: 47153, Stop: 47602, Start Num: 7

Candidate Starts for DanielleIgnace_76:

(1, 47069), (2, 47078), (3, 47084), (5, 47099), (Start: 7 @47153 has 4 MA's), (8, 47204), (9, 47255), (10, 47282), (11, 47294), (12, 47297), (13, 47318), (14, 47351), (16, 47477), (17, 47480), (18, 47528),

Gene: Hillester_76 Start: 38827, Stop: 39300, Start Num: 4

Candidate Starts for Hillester_76:

(Start: 4 @38827 has 3 MA's), (6, 38872), (12, 39028),

Gene: Kellezio_71 Start: 43754, Stop: 44200, Start Num: 7

Candidate Starts for Kellezio_71:

(Start: 7 @43754 has 4 MA's), (14, 43949), (15, 44057),

Gene: Kitkat_73 Start: 44073, Stop: 44519, Start Num: 7

Candidate Starts for Kitkat_73:

(Start: 7 @44073 has 4 MA's), (14, 44268), (15, 44376),

Gene: RadFad_76 Start: 38827, Stop: 39300, Start Num: 4

Candidate Starts for RadFad_76:

(Start: 4 @38827 has 3 MA's), (6, 38872), (12, 39028),

Gene: Vopal_73 Start: 40295, Stop: 40768, Start Num: 4

Candidate Starts for Vopal_73:

(Start: 4 @40295 has 3 MA's), (6, 40340), (12, 40496),