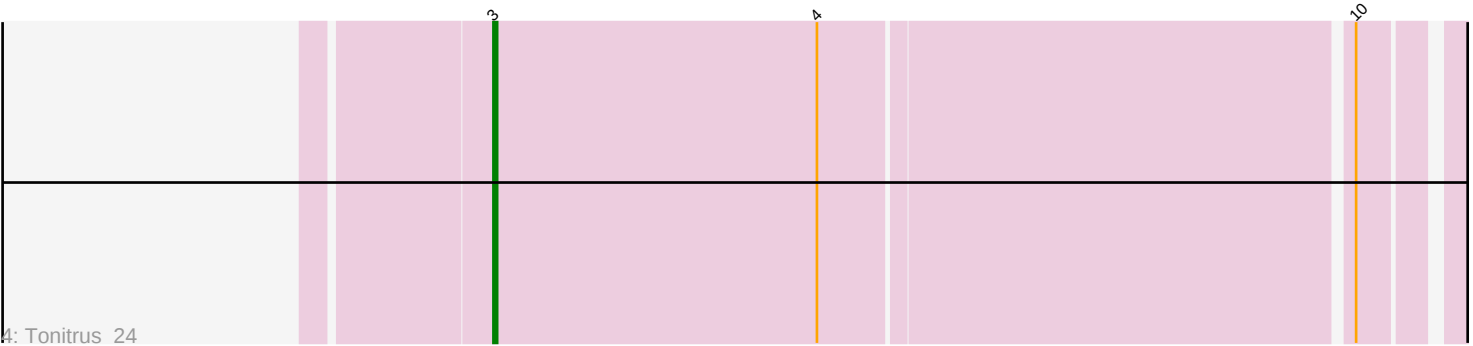
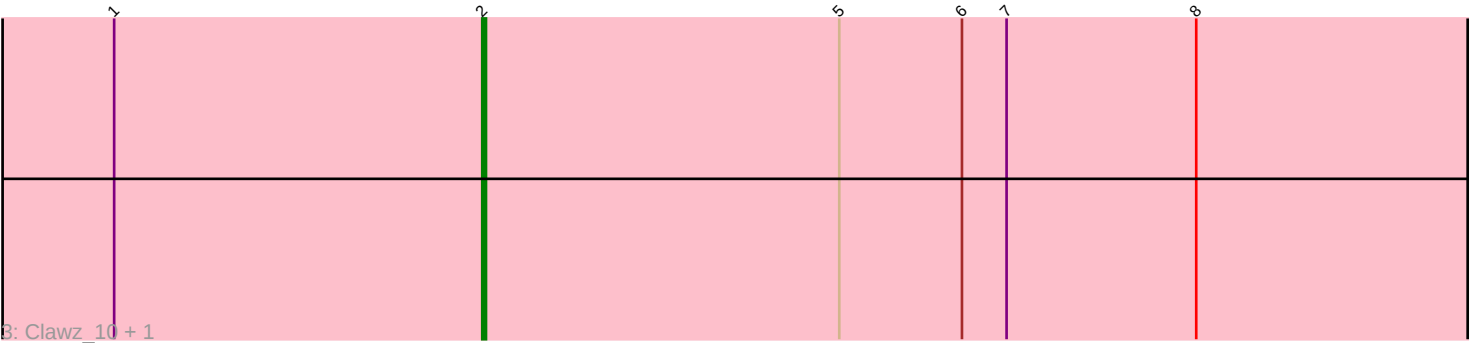
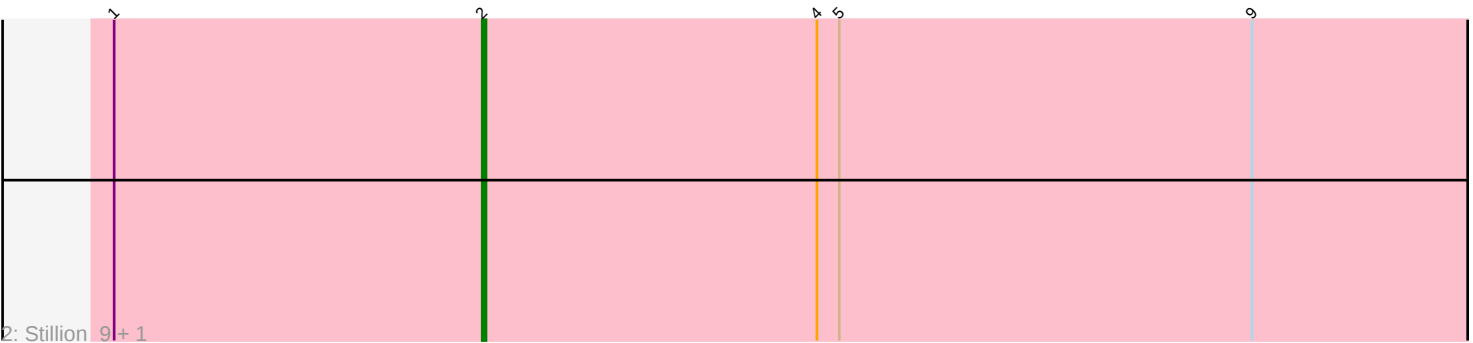
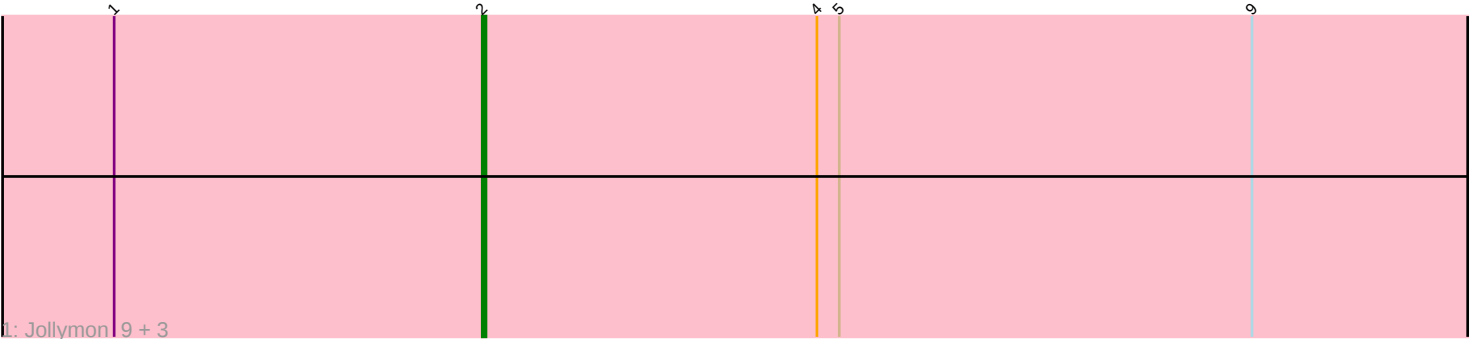




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 309896 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309896 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Jollymon_9, DonTron_8, Soos_8, KingstonB_8
- Track 2 : Stillion_9, Sting_9
- Track 3 : Clawz_10, Makar_10
- Track 4 : Tonitrus_24

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Clawz_10, DonTron_8, Jollymon_9, KingstonB_8, Makar_10, Soos_8, Stillion_9, Sting_9,

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

-

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

- Tonitrus_24,

Summary by start number:

Start 2:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Clawz_10 (CP), DonTron_8 (CP), Jollymon_9 (CP), KingstonB_8 (CP), Makar_10 (CP), Soos_8 (CP), Stillion_9 (CP), Sting_9 (CP),

Start 3:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Tonitrus_24 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, CP,

Info for manual annotations of cluster CP:

- Start number 2 was manually annotated 7 times for cluster CP.

Gene Information:

Gene: Clawz_10 Start: 5133, Stop: 5417, Start Num: 2

Candidate Starts for Clawz_10:

(1, 5034), (Start: 2 @5133 has 7 MA's), (5, 5229), (6, 5262), (7, 5274), (8, 5325),

Gene: DonTron_8 Start: 4744, Stop: 5043, Start Num: 2

Candidate Starts for DonTron_8:

(1, 4645), (Start: 2 @4744 has 7 MA's), (4, 4834), (5, 4840), (9, 4951),

Gene: Jollymon_9 Start: 5154, Stop: 5453, Start Num: 2

Candidate Starts for Jollymon_9:

(1, 5055), (Start: 2 @5154 has 7 MA's), (4, 5244), (5, 5250), (9, 5361),

Gene: KingstonB_8 Start: 4743, Stop: 5042, Start Num: 2

Candidate Starts for KingstonB_8:

(1, 4644), (Start: 2 @4743 has 7 MA's), (4, 4833), (5, 4839), (9, 4950),

Gene: Makar_10 Start: 5133, Stop: 5417, Start Num: 2

Candidate Starts for Makar_10:

(1, 5034), (Start: 2 @5133 has 7 MA's), (5, 5229), (6, 5262), (7, 5274), (8, 5325),

Gene: Soos_8 Start: 4743, Stop: 5042, Start Num: 2

Candidate Starts for Soos_8:

(1, 4644), (Start: 2 @4743 has 7 MA's), (4, 4833), (5, 4839), (9, 4950),

Gene: Stillion_9 Start: 5224, Stop: 5523, Start Num: 2

Candidate Starts for Stillion_9:

(1, 5125), (Start: 2 @5224 has 7 MA's), (4, 5314), (5, 5320), (9, 5431),

Gene: Sting_9 Start: 5155, Stop: 5454, Start Num: 2

Candidate Starts for Sting_9:

(1, 5056), (Start: 2 @5155 has 7 MA's), (4, 5245), (5, 5251), (9, 5362),

Gene: Tonitrus_24 Start: 13709, Stop: 13963, Start Num: 3

Candidate Starts for Tonitrus_24:

(Start: 3 @13709 has 1 MA's), (4, 13796), (10, 13934),