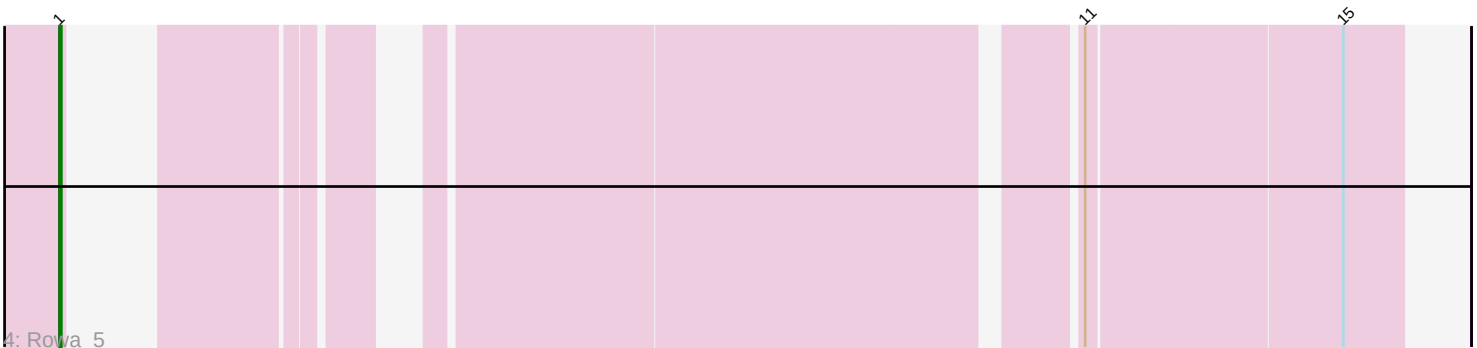
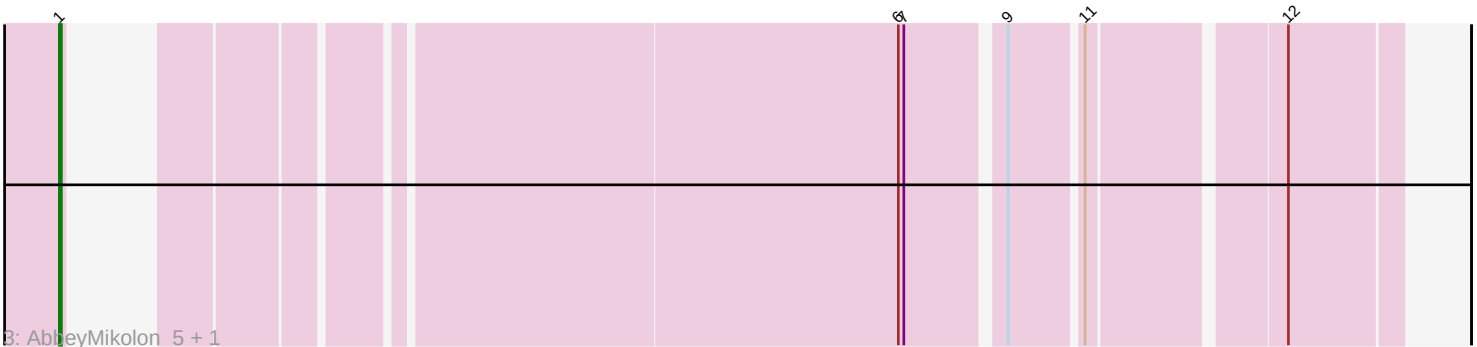
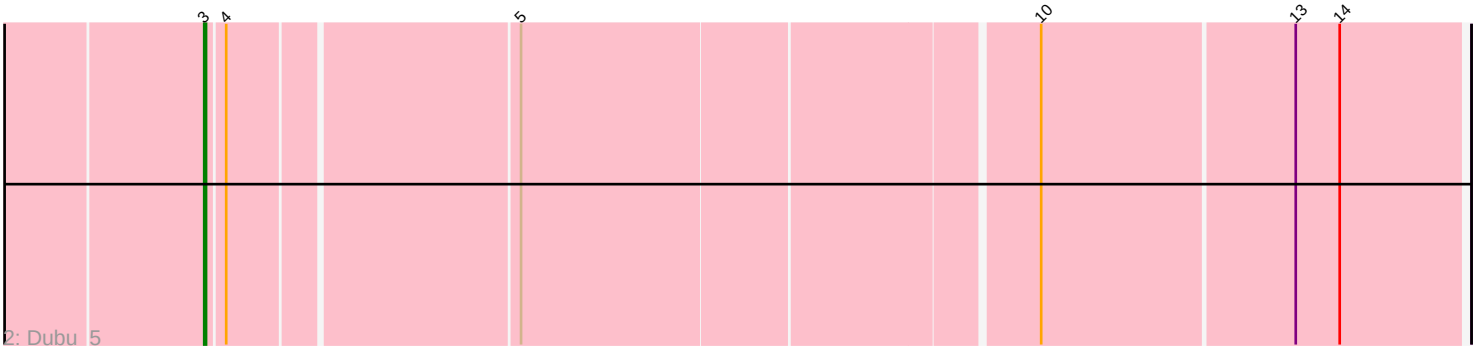
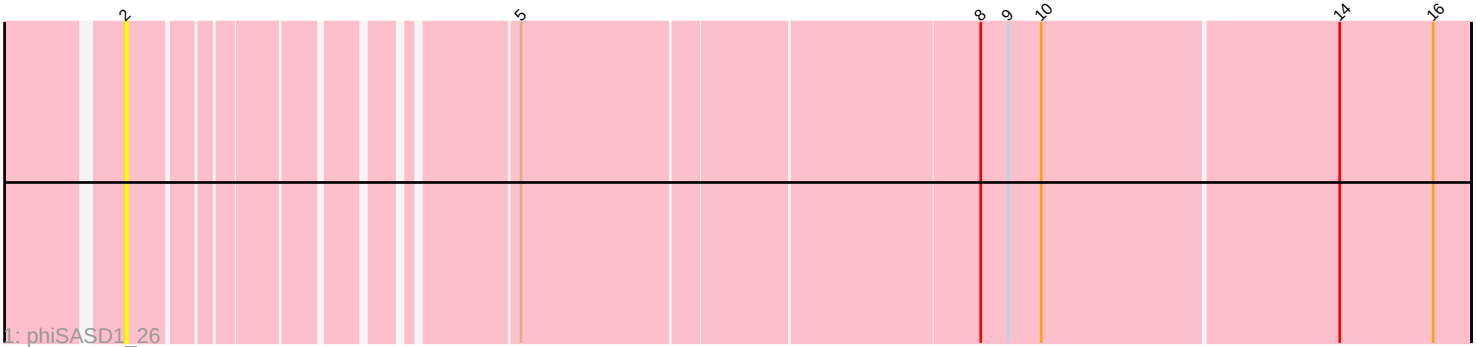


Pham 310193



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 310193 Report

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

Pham number 310193 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : phiSASD1_26
- Track 2 : Dubu_5
- Track 3 : AbbeyMikolon_5, Nesbitt_5
- Track 4 : Rowa_5

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

The start number called the most often in the published annotations is 1, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbeyMikolon_5, Nesbitt_5, Rowa_5,

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

-

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

- Dubu_5, phiSASD1_26,

Summary by start number:

Start 1:

- Found in 3 of 5 (60.0%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbeyMikolon_5 (BL), Nesbitt_5 (BL), Rowa_5 (BL),

Start 2:

- Found in 1 of 5 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: phiSASD1_26 (BJ),

Start 3:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dubu_5 (BJ),

Summary by clusters:

There are 2 clusters represented in this pham: BL, BJ,

Info for manual annotations of cluster BJ:

- Start number 3 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BL:

- Start number 1 was manually annotated 3 times for cluster BL.

Gene Information:

Gene: AbbeyMikolon_5 Start: 4857, Stop: 5480, Start Num: 1

Candidate Starts for AbbeyMikolon_5:

(Start: 1 @4857 has 3 MA's), (6, 5238), (7, 5241), (9, 5289), (11, 5325), (12, 5421),

Gene: Dubu_5 Start: 4584, Stop: 5237, Start Num: 3

Candidate Starts for Dubu_5:

(Start: 3 @4584 has 1 MA's), (4, 4593), (5, 4743), (10, 5013), (13, 5148), (14, 5172),

Gene: Nesbitt_5 Start: 4857, Stop: 5552, Start Num: 1

Candidate Starts for Nesbitt_5:

(Start: 1 @4857 has 3 MA's), (6, 5310), (7, 5313), (9, 5361), (11, 5397), (12, 5493),

Gene: Rowa_5 Start: 4709, Stop: 5317, Start Num: 1

Candidate Starts for Rowa_5:

(Start: 1 @4709 has 3 MA's), (11, 5150), (15, 5285),

Gene: phiSASD1_26 Start: 4637, Stop: 5314, Start Num: 2

Candidate Starts for phiSASD1_26:

(2, 4637), (5, 4811), (8, 5051), (9, 5066), (10, 5084), (14, 5243), (16, 5294),