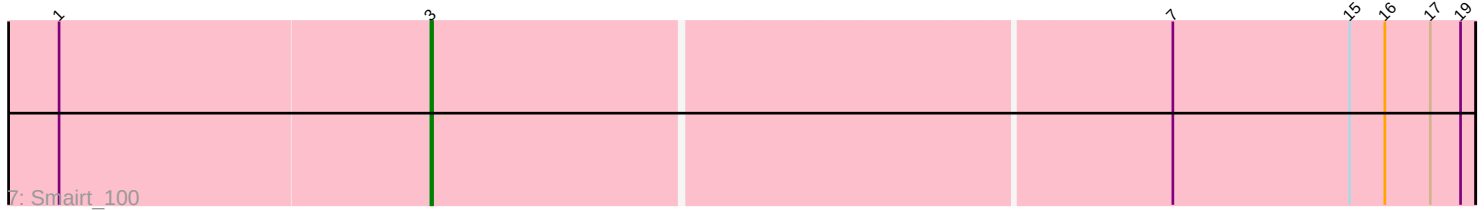
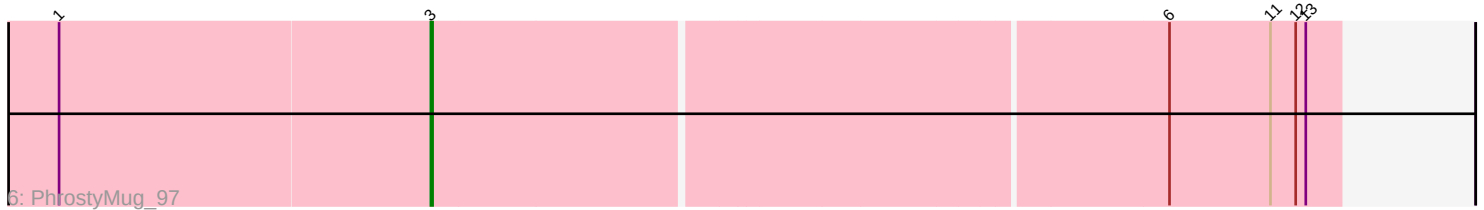
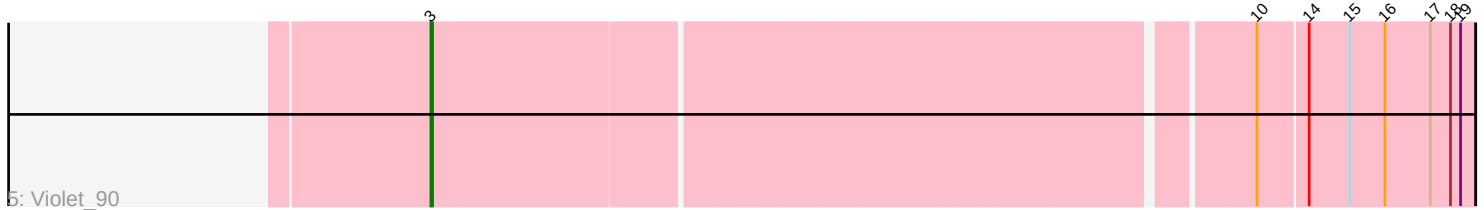
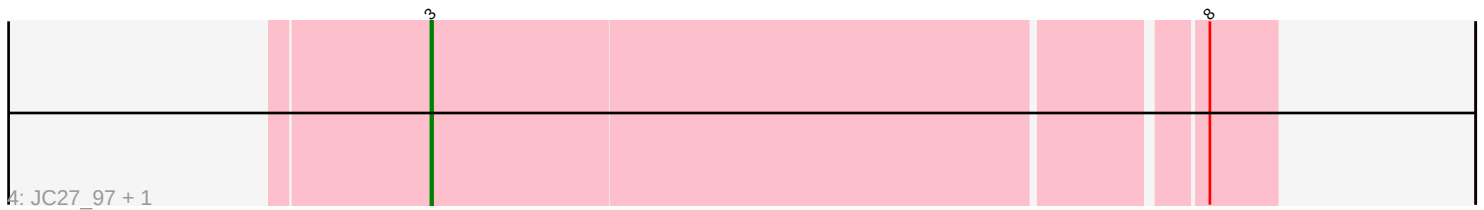
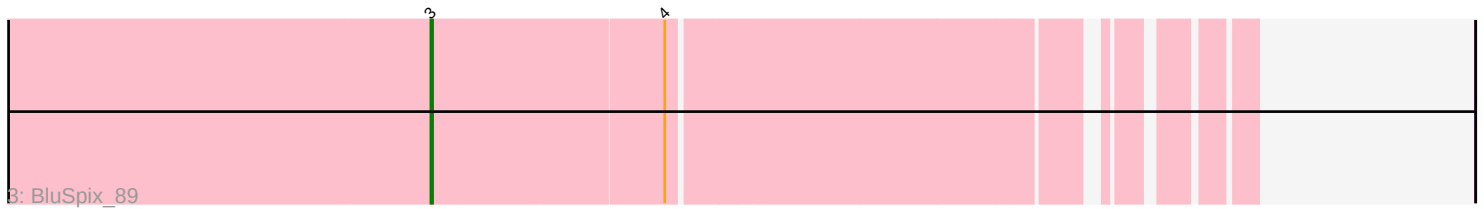
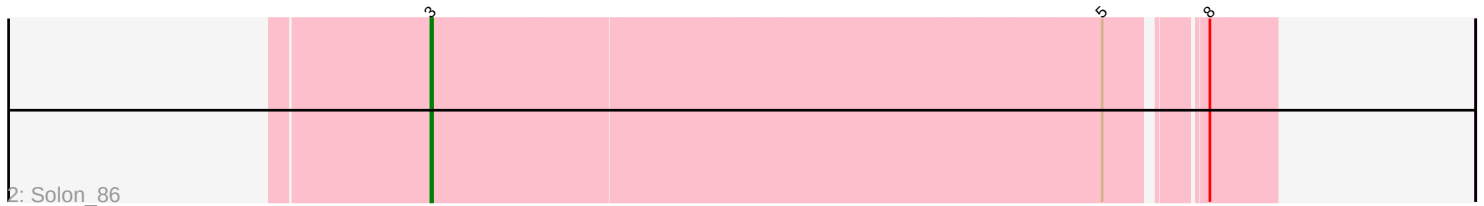
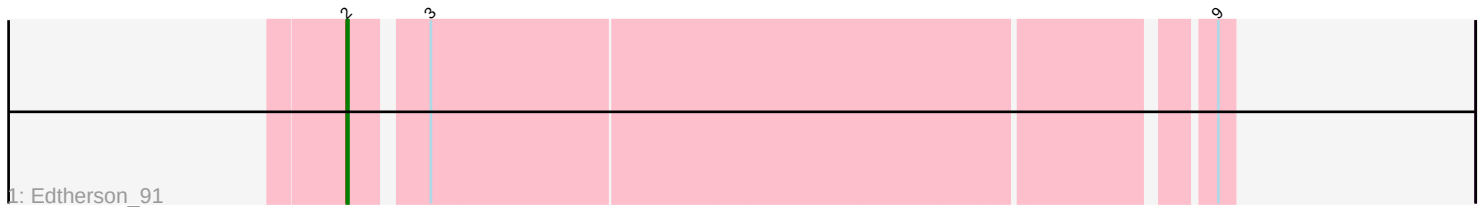


Pham 309908



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 309908 Report

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

Pham number 309908 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Edtherson_91
- Track 2 : Solon_86
- Track 3 : BluSpix_89
- Track 4 : JC27_97, Crispicous1_89
- Track 5 : Violet_90
- Track 6 : PhrostyMug_97
- Track 7 : Smairt_100

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BluSpix_89, Crispicous1_89, JC27_97, PhrostyMug_97, Smairt_100, Solon_86, Violet_90,

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

- Edtherson_91,

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

•

Summary by start number:

Start 2:

- Found in 1 of 8 (12.5%) 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: Edtherson_91 (A1),

Start 3:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 8

- Called 87.5% of time when present
- Phage (with cluster) where this start called: BluSpix_89 (A1), Crispicous1_89 (A1), JC27_97 (A1), PhrostyMug_97 (A1), Smairt_100 (A1), Solon_86 (A1), Violet_90 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 2 was manually annotated 1 time for cluster A1.
- Start number 3 was manually annotated 7 times for cluster A1.

Gene Information:

Gene: BluSpix_89 Start: 46546, Stop: 46980, Start Num: 3

Candidate Starts for BluSpix_89:

(Start: 3 @46546 has 7 MA's), (4, 46681),

Gene: Crispicous1_89 Start: 50133, Stop: 50591, Start Num: 3

Candidate Starts for Crispicous1_89:

(Start: 3 @50133 has 7 MA's), (8, 50553),

Gene: Edtherson_91 Start: 50755, Stop: 51237, Start Num: 2

Candidate Starts for Edtherson_91:

(Start: 2 @50755 has 1 MA's), (Start: 3 @50794 has 7 MA's), (9, 51229),

Gene: JC27_97 Start: 51465, Stop: 51935, Start Num: 3

Candidate Starts for JC27_97:

(Start: 3 @51465 has 7 MA's), (8, 51897),

Gene: PhrostyMug_97 Start: 52945, Stop: 53460, Start Num: 3

Candidate Starts for PhrostyMug_97:

(1, 52726), (Start: 3 @52945 has 7 MA's), (6, 53359), (11, 53419), (12, 53434), (13, 53440),

Gene: Smairt_100 Start: 53962, Stop: 54558, Start Num: 3

Candidate Starts for Smairt_100:

(1, 53743), (Start: 3 @53962 has 7 MA's), (7, 54379), (15, 54484), (16, 54505), (17, 54532), (19, 54550),

Gene: Solon_86 Start: 48781, Stop: 49251, Start Num: 3

Candidate Starts for Solon_86:

(Start: 3 @48781 has 7 MA's), (5, 49165), (8, 49213),

Gene: Violet_90 Start: 51803, Stop: 52384, Start Num: 3

Candidate Starts for Violet_90:

(Start: 3 @51803 has 7 MA's), (10, 52259), (14, 52286), (15, 52310), (16, 52331), (17, 52358), (18, 52370), (19, 52376),