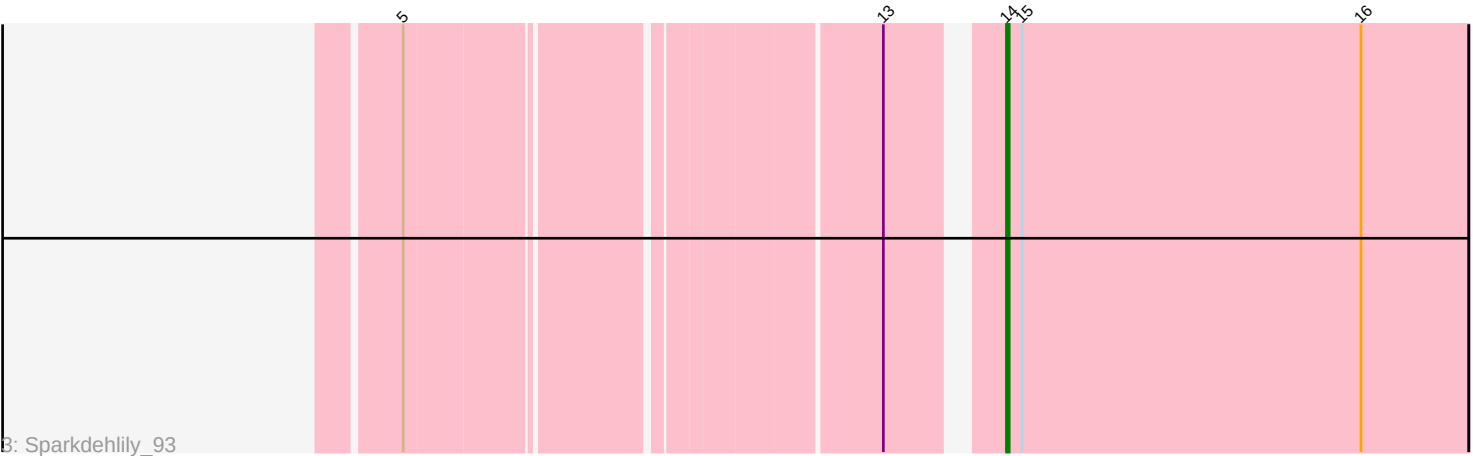
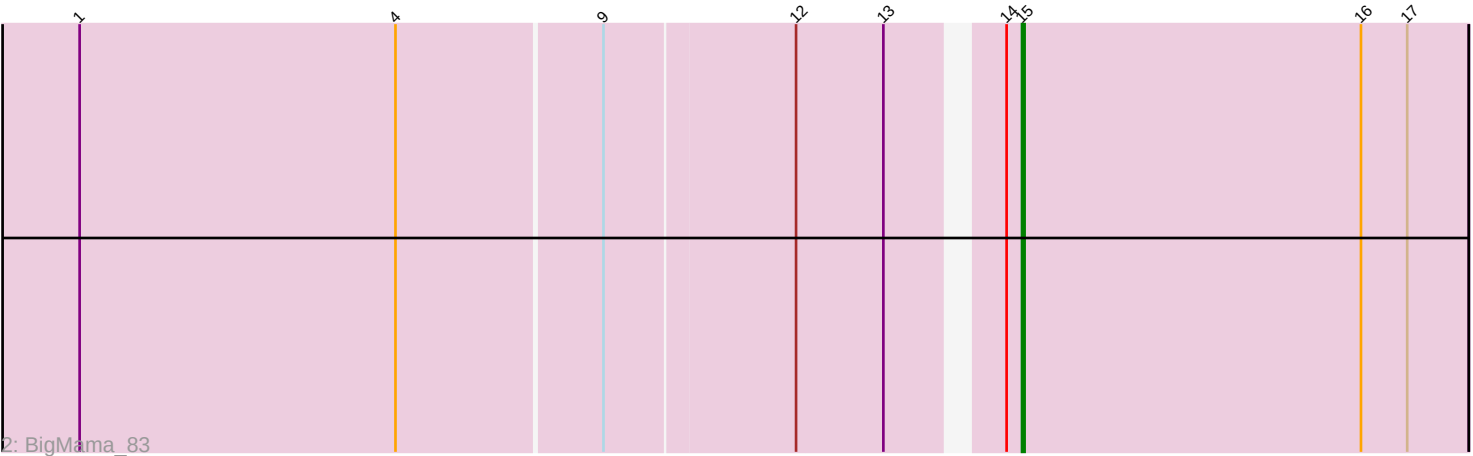
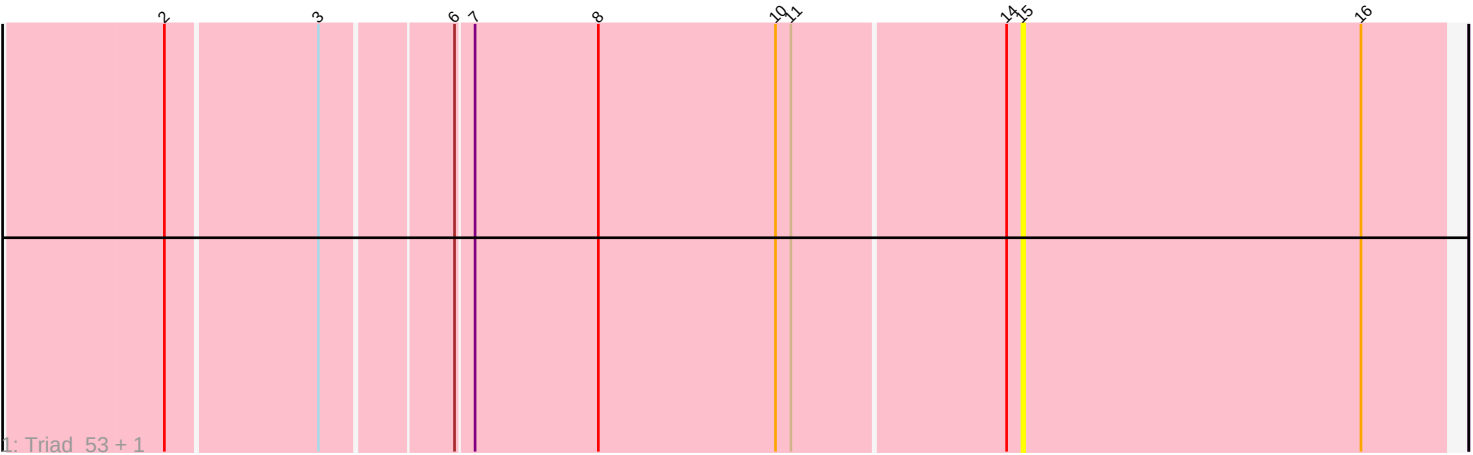




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 328030 Report

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

Pham number 328030 has 4 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Triad_53, Lehmann_53
- Track 2 : BigMama_83
- Track 3 : Sparkdehlily_93

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

The start number called the most often in the published annotations is 15, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BigMama_83, Lehmann_53, Triad_53,

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

- Sparkdehlily_93,

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

-

Summary by start number:

Start 14:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Sparkdehlily_93 (F1),

Start 15:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BigMama_83 (D1), Lehmann_53 (B1), Triad_53 (B1),

Summary by clusters:

There are 3 clusters represented in this pham: F1, B1, D1,

Info for manual annotations of cluster D1:

- Start number 15 was manually annotated 1 time for cluster D1.

Info for manual annotations of cluster F1:

- Start number 14 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: BigMama_83 Start: 59965, Stop: 60138, Start Num: 15

Candidate Starts for BigMama_83:

(1, 59617), (4, 59740), (9, 59818), (12, 59890), (13, 59923), (Start: 14 @59959 has 1 MA's), (Start: 15 @59965 has 1 MA's), (16, 60097), (17, 60115),

Gene: Lehmann_53 Start: 46805, Stop: 46641, Start Num: 15

Candidate Starts for Lehmann_53:

(2, 47126), (3, 47069), (6, 47021), (7, 47015), (8, 46967), (10, 46898), (11, 46892), (Start: 14 @46811 has 1 MA's), (Start: 15 @46805 has 1 MA's), (16, 46673),

Gene: Sparkdehlily_93 Start: 49128, Stop: 49307, Start Num: 14

Candidate Starts for Sparkdehlily_93:

(5, 48927), (13, 49092), (Start: 14 @49128 has 1 MA's), (Start: 15 @49134 has 1 MA's), (16, 49266),

Gene: Triad_53 Start: 46135, Stop: 45971, Start Num: 15

Candidate Starts for Triad_53:

(2, 46456), (3, 46399), (6, 46351), (7, 46345), (8, 46297), (10, 46228), (11, 46222), (Start: 14 @46141 has 1 MA's), (Start: 15 @46135 has 1 MA's), (16, 46003),