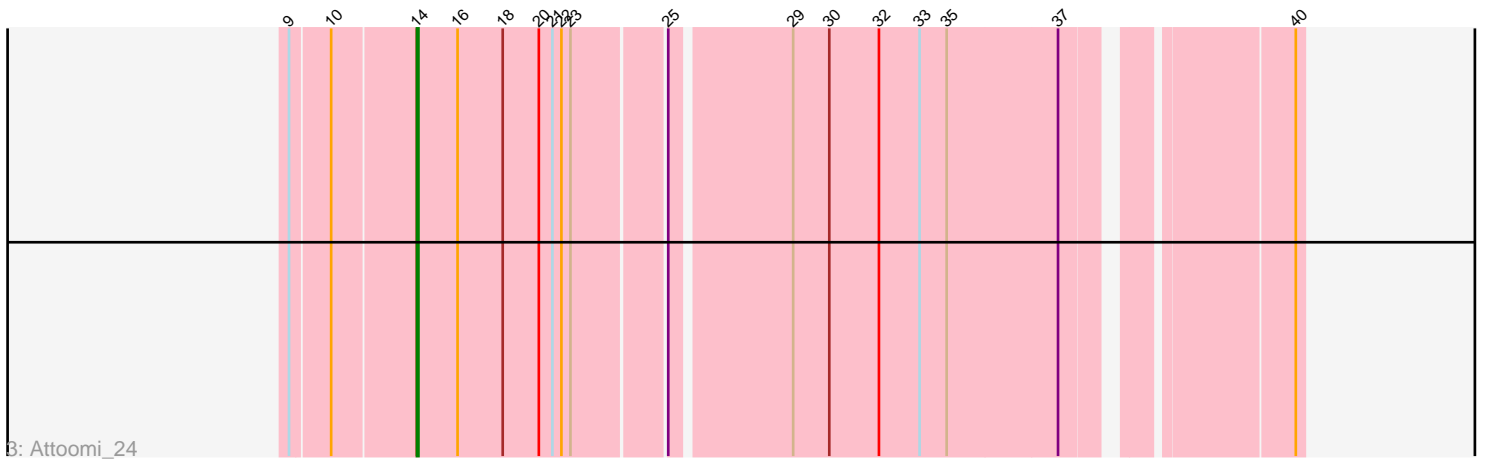
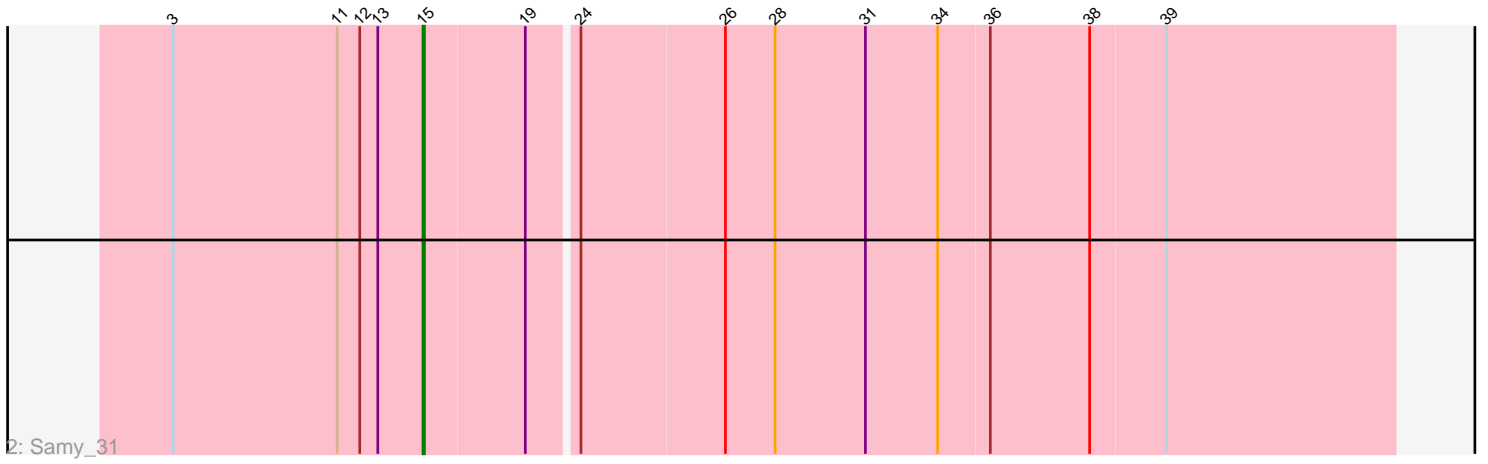
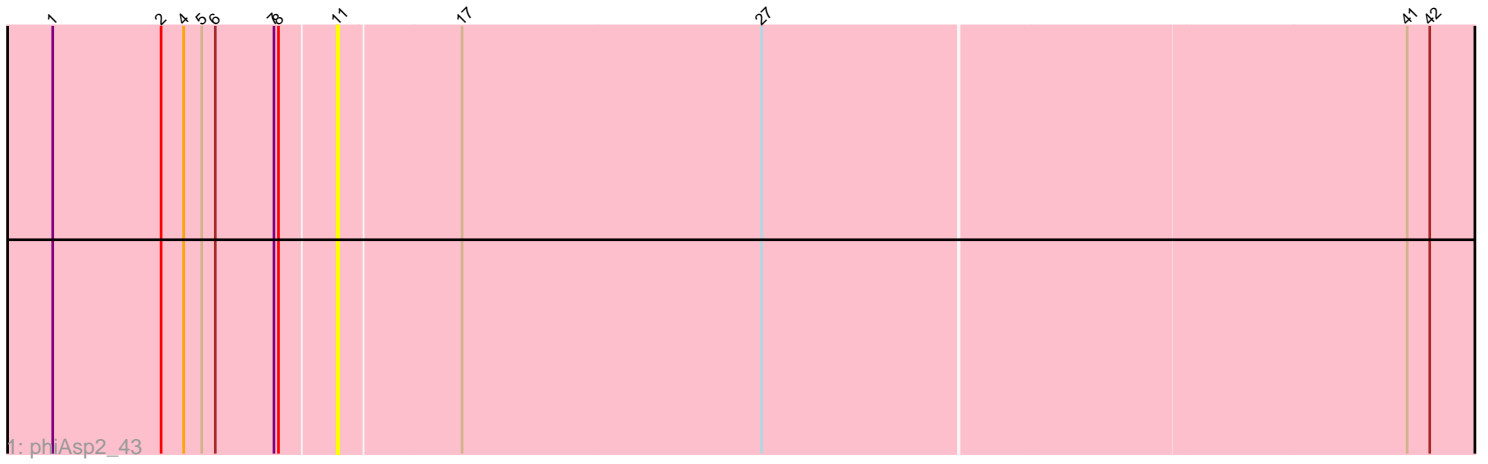


Pham 310511



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 310511 Report

This analysis was run 06/27/26 on database version 652.

Pham number 310511 has 3 members, 1 are drafts.

Phages represented in each track:

- Track 1 : phiAsp2_43
- Track 2 : Samy_31
- Track 3 : Attoomi_24

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:

- Samy_31,

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

-

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

- Attoomi_24, phiAsp2_43,

Summary by start number:

Start 11:

- Found in 2 of 3 (66.7%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: phiAsp2_43 (singleton),

Start 14:

- Found in 1 of 3 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Attoomi_24 (singleton),

Start 15:

- Found in 1 of 3 (33.3%) of genes in pham

- Manual Annotations of this start: 1 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Samy_31 (singleton),

Summary by clusters:

There is one cluster represented in this pham: singleton

Gene Information:

Gene: Attoomi_24 Start: 19269, Stop: 19811, Start Num: 14

Candidate Starts for Attoomi_24:

(9, 19191), (10, 19215), (Start: 14 @19269 has 1 MA's), (16, 19296), (18, 19326), (20, 19350), (21, 19359), (22, 19365), (23, 19371), (25, 19428), (29, 19503), (30, 19527), (32, 19560), (33, 19587), (35, 19605), (37, 19677), (40, 19806),

Gene: Samy_31 Start: 24861, Stop: 25487, Start Num: 15

Candidate Starts for Samy_31:

(3, 24696), (11, 24804), (12, 24819), (13, 24831), (Start: 15 @24861 has 1 MA's), (19, 24927), (24, 24957), (26, 25050), (28, 25083), (31, 25143), (34, 25191), (36, 25224), (38, 25290), (39, 25338),

Gene: phiAsp2_43 Start: 35055, Stop: 35810, Start Num: 11

Candidate Starts for phiAsp2_43:

(1, 34869), (2, 34941), (4, 34956), (5, 34968), (6, 34977), (7, 35016), (8, 35019), (11, 35055), (17, 35133), (27, 35331), (41, 35751), (42, 35766),