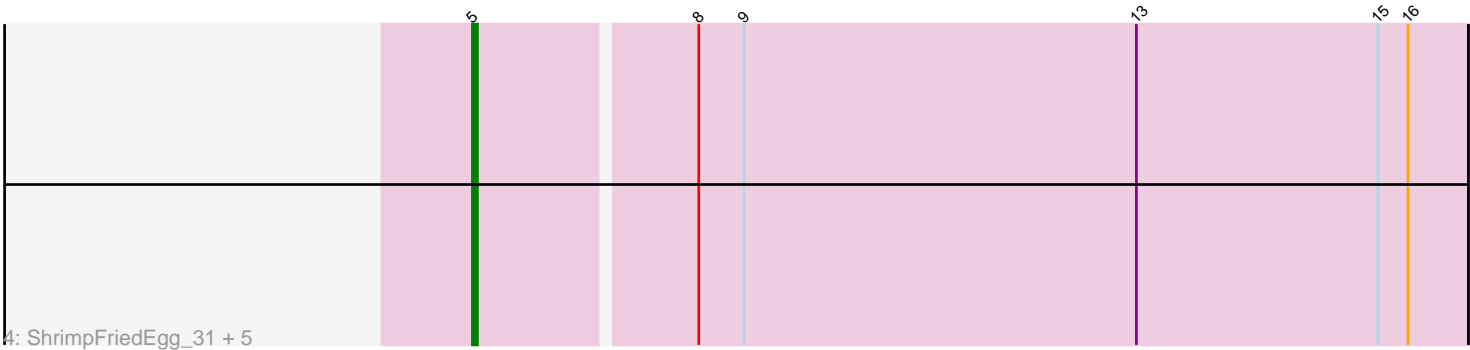
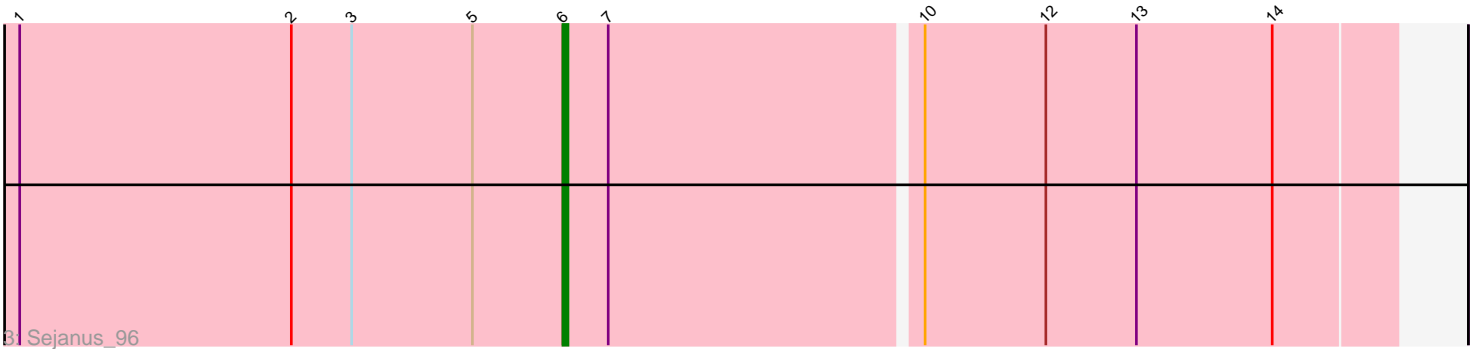
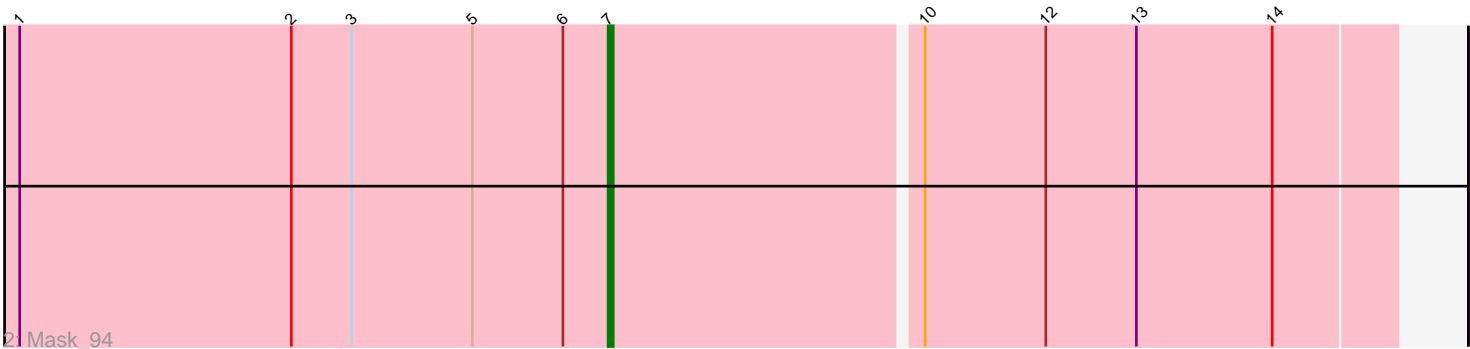
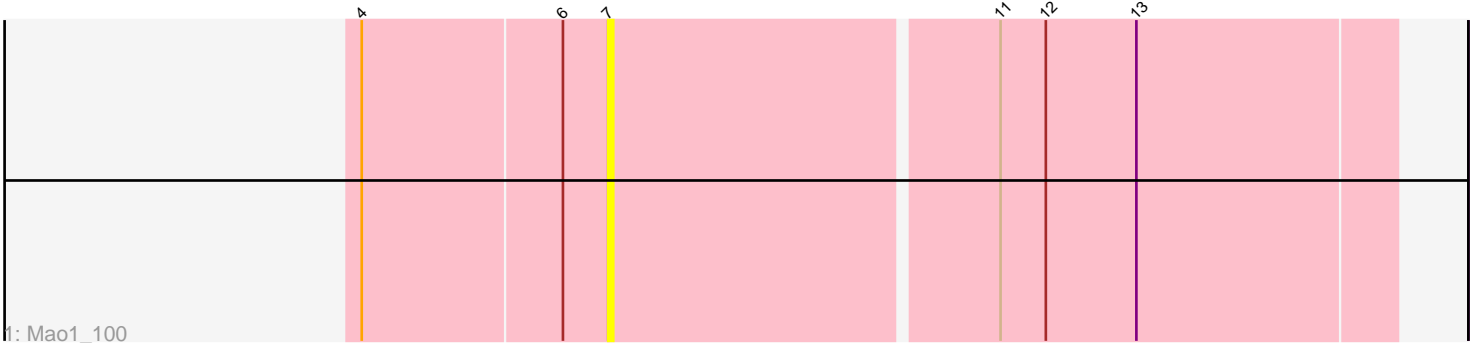


Pham 106968



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 106968 Report

This analysis was run 04/05/24 on database version 557.

Pham number 106968 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Mao1_100
- Track 2 : Mask_94
- Track 3 : Sejanus_96
- Track 4 : ShrimpFriedEgg_31, Purgamenstris_31, BabeRuth_31, PhancyPhin_31, Redi_31, Nenae_31

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BabeRuth_31, Nenae_31, PhancyPhin_31, Purgamenstris_31, Redi_31, ShrimpFriedEgg_31,

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

- Mask_94, Sejanus_96,

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

- Mao1_100,

Summary by start number:

Start 5:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BabeRuth_31 (N), Nenae_31 (N), PhancyPhin_31 (N), Purgamenstris_31 (N), Redi_31 (N), ShrimpFriedEgg_31 (N),

Start 6:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 33.3% of time when present

- Phage (with cluster) where this start called: Sejanus_96 (AD),

Start 7:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Mao1_100 (AD), Mask_94 (AD),

Summary by clusters:

There are 2 clusters represented in this pham: AD, N,

Info for manual annotations of cluster AD:

- Start number 6 was manually annotated 1 time for cluster AD.
- Start number 7 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster N:

- Start number 5 was manually annotated 6 times for cluster N.

Gene Information:

Gene: BabeRuth_31 Start: 25979, Stop: 26173, Start Num: 5

Candidate Starts for BabeRuth_31:

(Start: 5 @25979 has 6 MA's), (8, 26021), (9, 26030), (13, 26108), (15, 26156), (16, 26162),

Gene: Mao1_100 Start: 63502, Stop: 63654, Start Num: 7

Candidate Starts for Mao1_100:

(4, 63454), (Start: 6 @63493 has 1 MA's), (Start: 7 @63502 has 1 MA's), (11, 63577), (12, 63586), (13, 63604),

Gene: Mask_94 Start: 63690, Stop: 63842, Start Num: 7

Candidate Starts for Mask_94:

(1, 63573), (2, 63627), (3, 63639), (Start: 5 @63663 has 6 MA's), (Start: 6 @63681 has 1 MA's), (Start: 7 @63690 has 1 MA's), (10, 63750), (12, 63774), (13, 63792), (14, 63819),

Gene: Nенаe_31 Start: 25979, Stop: 26173, Start Num: 5

Candidate Starts for Nенаe_31:

(Start: 5 @25979 has 6 MA's), (8, 26021), (9, 26030), (13, 26108), (15, 26156), (16, 26162),

Gene: PhancyPhin_31 Start: 25976, Stop: 26170, Start Num: 5

Candidate Starts for PhancyPhin_31:

(Start: 5 @25976 has 6 MA's), (8, 26018), (9, 26027), (13, 26105), (15, 26153), (16, 26159),

Gene: Purgamenstris_31 Start: 25979, Stop: 26173, Start Num: 5

Candidate Starts for Purgamenstris_31:

(Start: 5 @25979 has 6 MA's), (8, 26021), (9, 26030), (13, 26108), (15, 26156), (16, 26162),

Gene: Redi_31 Start: 25979, Stop: 26173, Start Num: 5

Candidate Starts for Redi_31:

(Start: 5 @25979 has 6 MA's), (8, 26021), (9, 26030), (13, 26108), (15, 26156), (16, 26162),

Gene: Sejanus_96 Start: 62701, Stop: 62862, Start Num: 6

Candidate Starts for Sejanus_96:

(1, 62593), (2, 62647), (3, 62659), (Start: 5 @62683 has 6 MA's), (Start: 6 @62701 has 1 MA's), (Start: 7 @62710 has 1 MA's), (10, 62770), (12, 62794), (13, 62812), (14, 62839),

Gene: ShrimpFriedEgg_31 Start: 25979, Stop: 26173, Start Num: 5

Candidate Starts for ShrimpFriedEgg_31:

(Start: 5 @25979 has 6 MA's), (8, 26021), (9, 26030), (13, 26108), (15, 26156), (16, 26162),