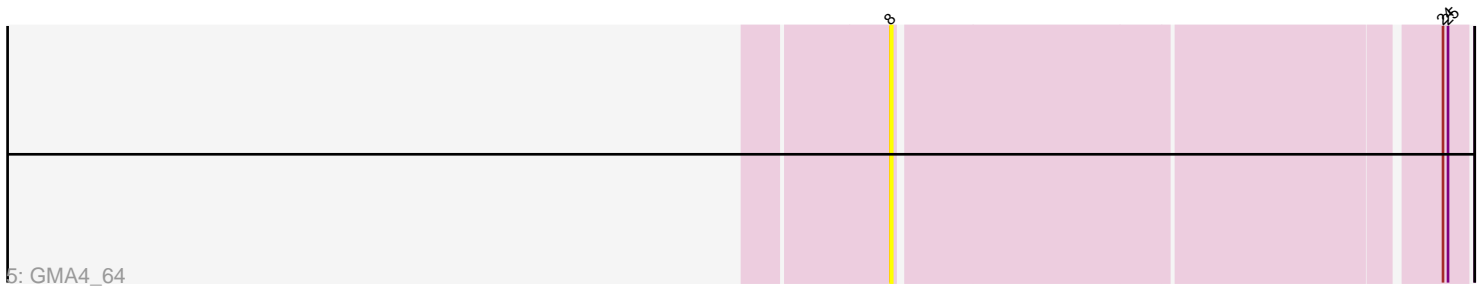
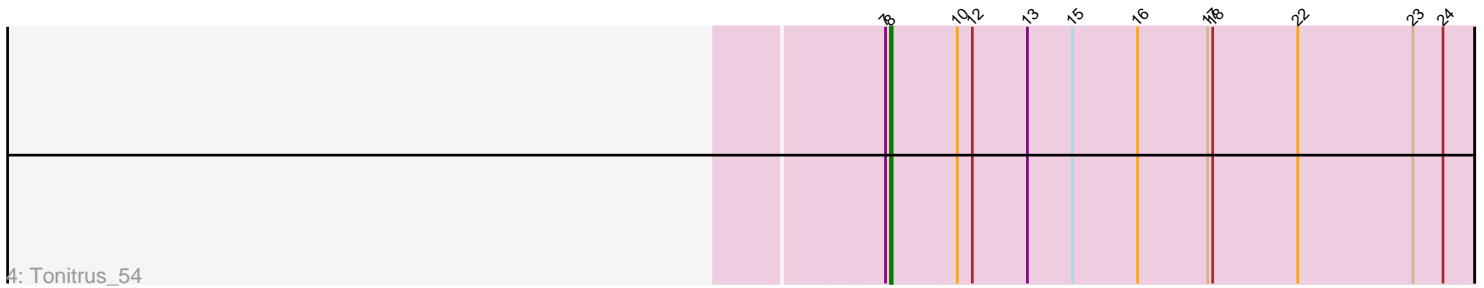
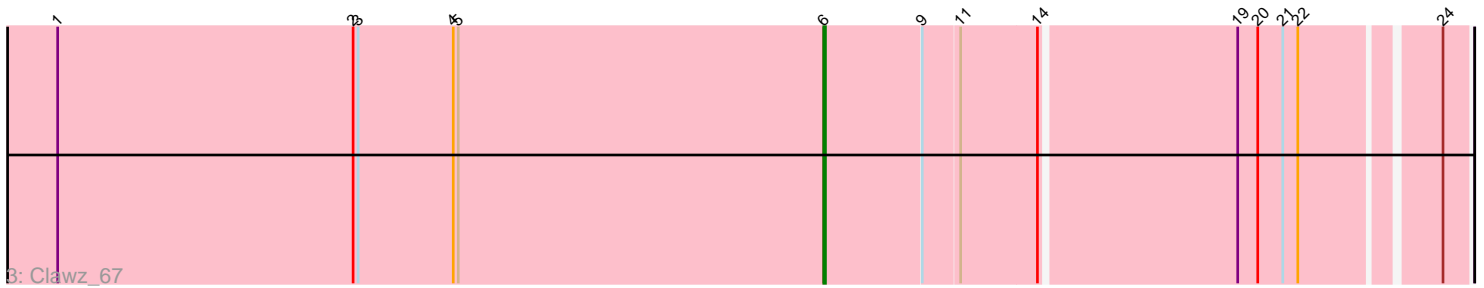
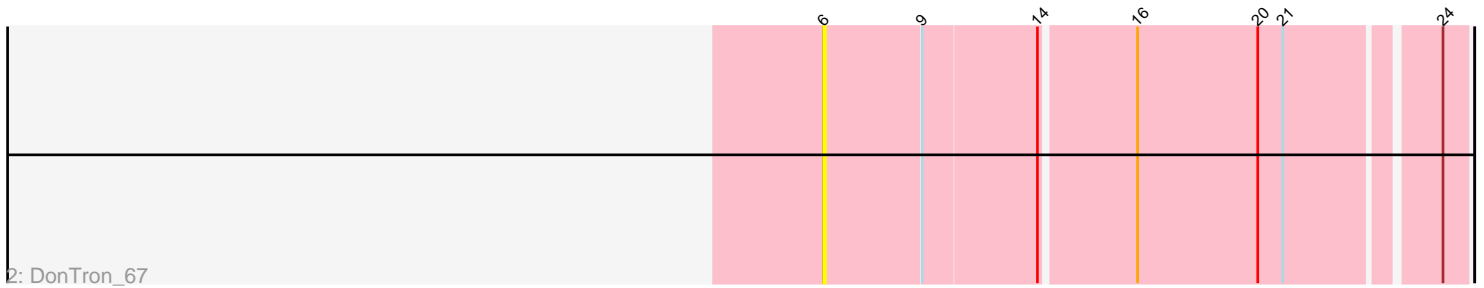
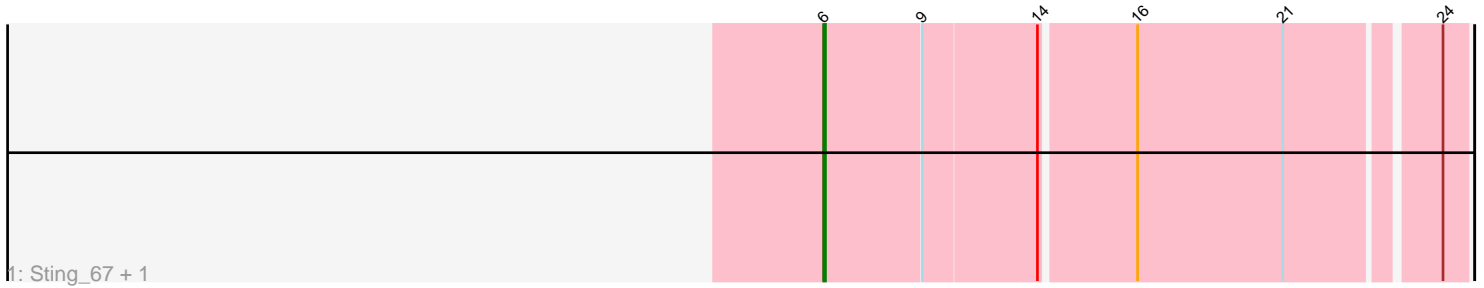


Pham 172069



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 172069 Report

This analysis was run 07/10/24 on database version 566.

Pham number 172069 has 6 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Sting_67, Soos_63
- Track 2 : DonTron_67
- Track 3 : Clawz_67
- Track 4 : Tonitrus_54
- Track 5 : GMA4_64

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Clawz_67, DonTron_67, Soos_63, Sting_67,

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

-

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

- GMA4_64, Tonitrus_54,

Summary by start number:

Start 6:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Clawz_67 (CP), DonTron_67 (CP), Soos_63 (CP), Sting_67 (CP),

Start 8:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present

- Phage (with cluster) where this start called: GMA4_64 (singleton), Tonitrus_54 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, CP,

Info for manual annotations of cluster CP:

- Start number 6 was manually annotated 2 times for cluster CP.

Gene Information:

Gene: Clawz_67 Start: 44832, Stop: 45194, Start Num: 6

Candidate Starts for Clawz_67:

(1, 44373), (2, 44550), (3, 44553), (4, 44610), (5, 44613), (Start: 6 @44832 has 2 MA's), (9, 44889), (11, 44910), (14, 44955), (19, 45069), (20, 45081), (21, 45096), (22, 45105), (24, 45180),

Gene: DonTron_67 Start: 45068, Stop: 45430, Start Num: 6

Candidate Starts for DonTron_67:

(Start: 6 @45068 has 2 MA's), (9, 45125), (14, 45191), (16, 45245), (20, 45317), (21, 45332), (24, 45416),

Gene: GMA4_64 Start: 42024, Stop: 42347, Start Num: 8

Candidate Starts for GMA4_64:

(Start: 8 @42024 has 1 MA's), (24, 42333), (25, 42336),

Gene: Soos_63 Start: 44235, Stop: 44597, Start Num: 6

Candidate Starts for Soos_63:

(Start: 6 @44235 has 2 MA's), (9, 44292), (14, 44358), (16, 44412), (21, 44499), (24, 44583),

Gene: Sting_67 Start: 44674, Stop: 45036, Start Num: 6

Candidate Starts for Sting_67:

(Start: 6 @44674 has 2 MA's), (9, 44731), (14, 44797), (16, 44851), (21, 44938), (24, 45022),

Gene: Tonitrus_54 Start: 41488, Stop: 41835, Start Num: 8

Candidate Starts for Tonitrus_54:

(7, 41485), (Start: 8 @41488 has 1 MA's), (10, 41527), (12, 41536), (13, 41569), (15, 41596), (16, 41635), (17, 41677), (18, 41680), (22, 41731), (23, 41800), (24, 41818),