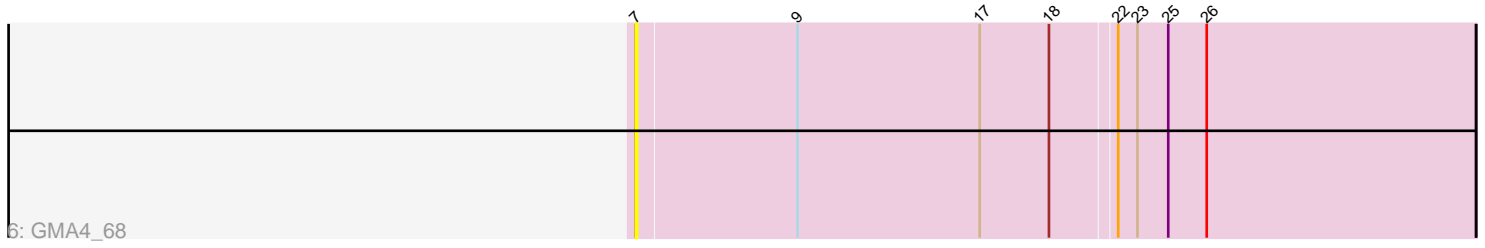
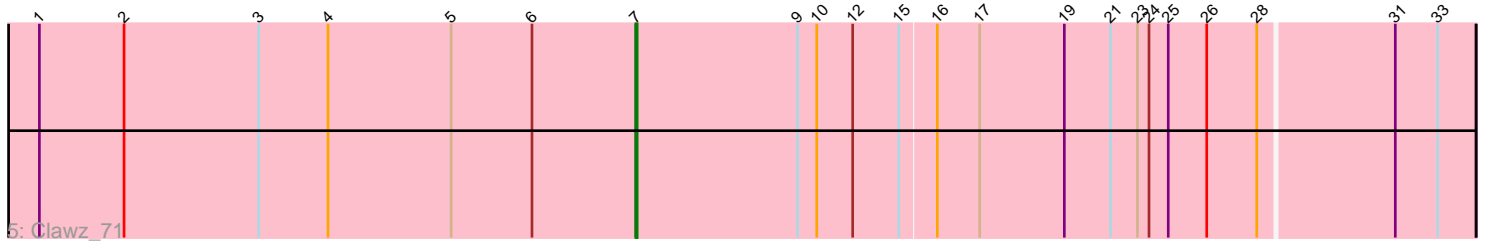
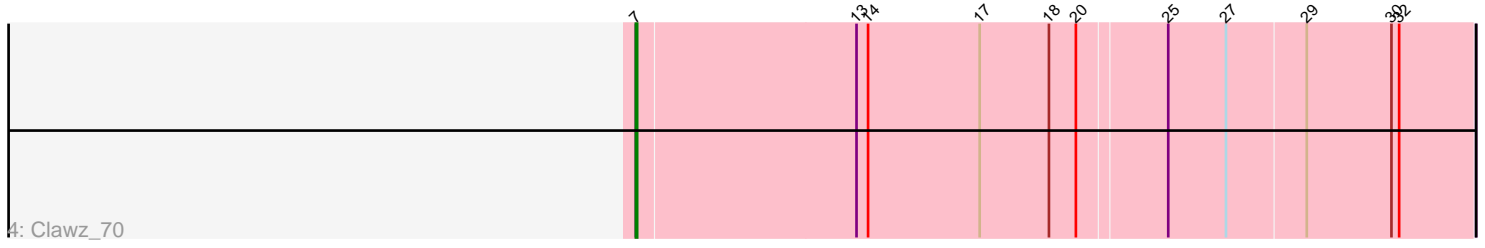
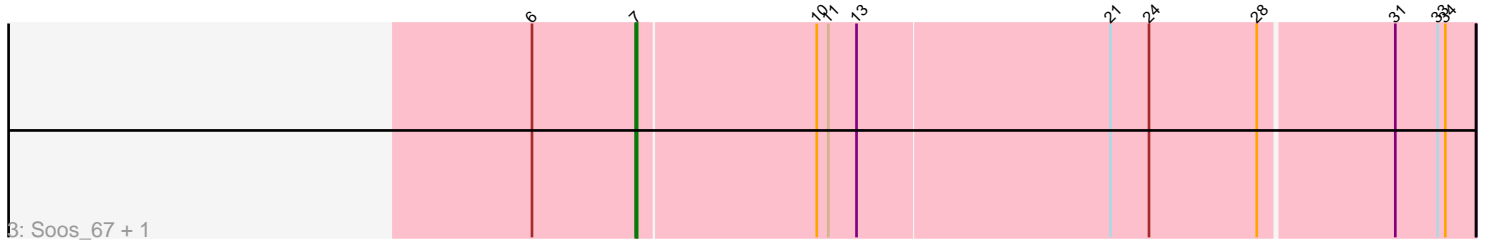
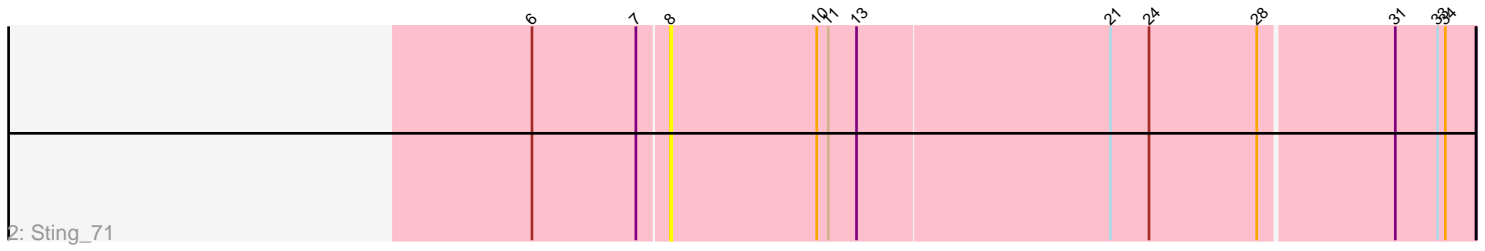
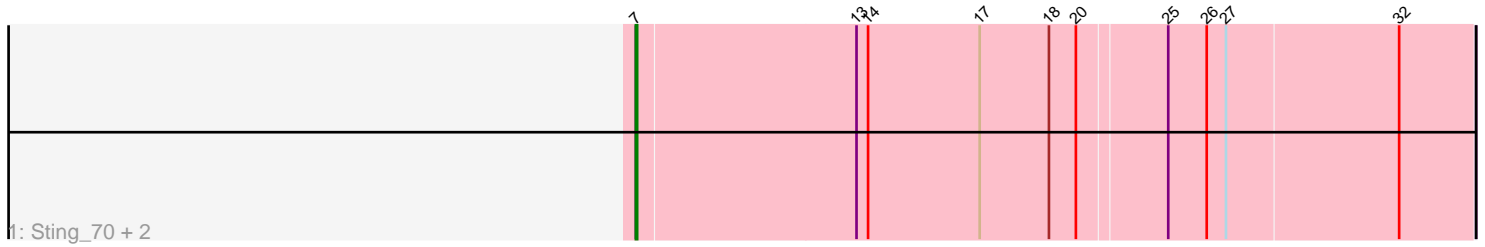


Pham 8195



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 8195 Report

This analysis was run 07/09/24 on database version 566.

Pham number 8195 has 9 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Sting_70, Soos_66, DonTron_70
- Track 2 : Sting_71
- Track 3 : Soos_67, DonTron_71
- Track 4 : Clawz_70
- Track 5 : Clawz_71
- Track 6 : GMA4_68

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Clawz_70, Clawz_71, DonTron_70, DonTron_71, GMA4_68, Soos_66, Soos_67, Sting_70,

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

- Sting_71,

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

-

Summary by start number:

Start 7:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Clawz_70 (CP), Clawz_71 (CP), DonTron_70 (CP), DonTron_71 (CP), GMA4_68 (singleton), Soos_66 (CP), Soos_67 (CP), Sting_70 (CP),

Start 8:

- Found in 1 of 9 (11.1%) of genes in pham

- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sting_71 (CP),

Summary by clusters:

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

Info for manual annotations of cluster CP:

- Start number 7 was manually annotated 4 times for cluster CP.

Gene Information:

Gene: Clawz_70 Start: 46785, Stop: 47423, Start Num: 7

Candidate Starts for Clawz_70:

(Start: 7 @46785 has 4 MA's), (13, 46953), (14, 46962), (17, 47049), (18, 47103), (20, 47124), (25, 47190), (27, 47235), (29, 47295), (30, 47361), (32, 47367),

Gene: Clawz_71 Start: 47420, Stop: 48064, Start Num: 7

Candidate Starts for Clawz_71:

(1, 46955), (2, 47021), (3, 47126), (4, 47180), (5, 47276), (6, 47339), (Start: 7 @47420 has 4 MA's), (9, 47546), (10, 47561), (12, 47588), (15, 47624), (16, 47651), (17, 47684), (19, 47750), (21, 47786), (23, 47807), (24, 47816), (25, 47831), (26, 47861), (28, 47900), (31, 48002), (33, 48035),

Gene: DonTron_71 Start: 47652, Stop: 48290, Start Num: 7

Candidate Starts for DonTron_71:

(6, 47571), (Start: 7 @47652 has 4 MA's), (10, 47787), (11, 47796), (13, 47817), (21, 48012), (24, 48042), (28, 48126), (31, 48228), (33, 48261), (34, 48267),

Gene: DonTron_70 Start: 47017, Stop: 47655, Start Num: 7

Candidate Starts for DonTron_70:

(Start: 7 @47017 has 4 MA's), (13, 47185), (14, 47194), (17, 47281), (18, 47335), (20, 47356), (25, 47422), (26, 47452), (27, 47467), (32, 47599),

Gene: GMA4_68 Start: 44497, Stop: 45141, Start Num: 7

Candidate Starts for GMA4_68:

(Start: 7 @44497 has 4 MA's), (9, 44620), (17, 44761), (18, 44815), (22, 44863), (23, 44878), (25, 44902), (26, 44932),

Gene: Soos_67 Start: 46819, Stop: 47457, Start Num: 7

Candidate Starts for Soos_67:

(6, 46738), (Start: 7 @46819 has 4 MA's), (10, 46954), (11, 46963), (13, 46984), (21, 47179), (24, 47209), (28, 47293), (31, 47395), (33, 47428), (34, 47434),

Gene: Soos_66 Start: 46184, Stop: 46822, Start Num: 7

Candidate Starts for Soos_66:

(Start: 7 @46184 has 4 MA's), (13, 46352), (14, 46361), (17, 46448), (18, 46502), (20, 46523), (25, 46589), (26, 46619), (27, 46634), (32, 46766),

Gene: Sting_70 Start: 46623, Stop: 47261, Start Num: 7

Candidate Starts for Sting_70:

(Start: 7 @46623 has 4 MA's), (13, 46791), (14, 46800), (17, 46887), (18, 46941), (20, 46962), (25, 47028), (26, 47058), (27, 47073), (32, 47205),

Gene: Sting_71 Start: 47279, Stop: 47896, Start Num: 8

Candidate Starts for Sting_71:

(6, 47177), (Start: 7 @47258 has 4 MA's), (8, 47279), (10, 47393), (11, 47402), (13, 47423), (21, 47618), (24, 47648), (28, 47732), (31, 47834), (33, 47867), (34, 47873),