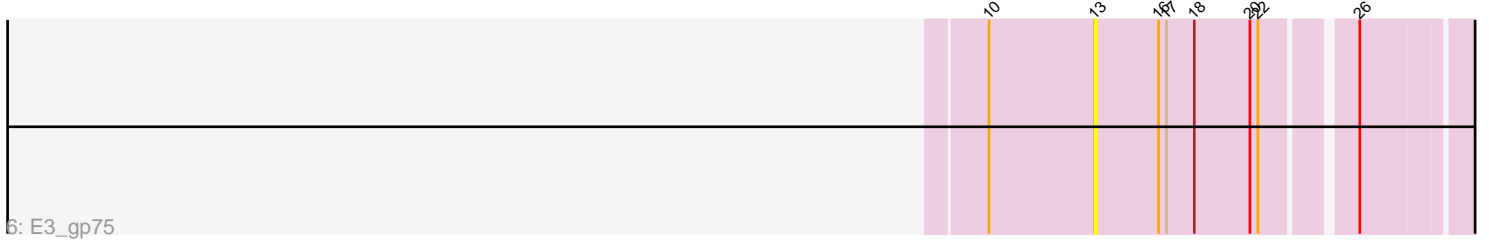
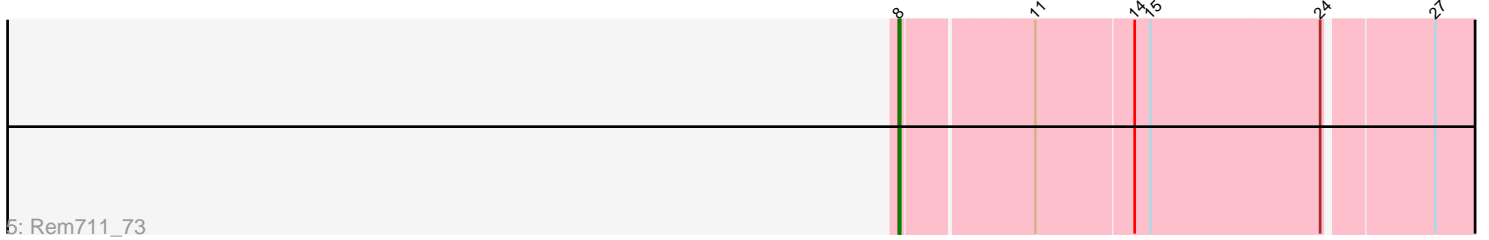
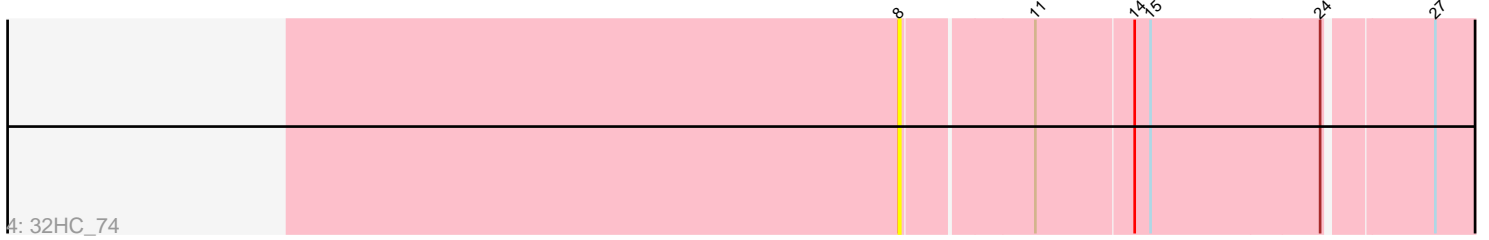
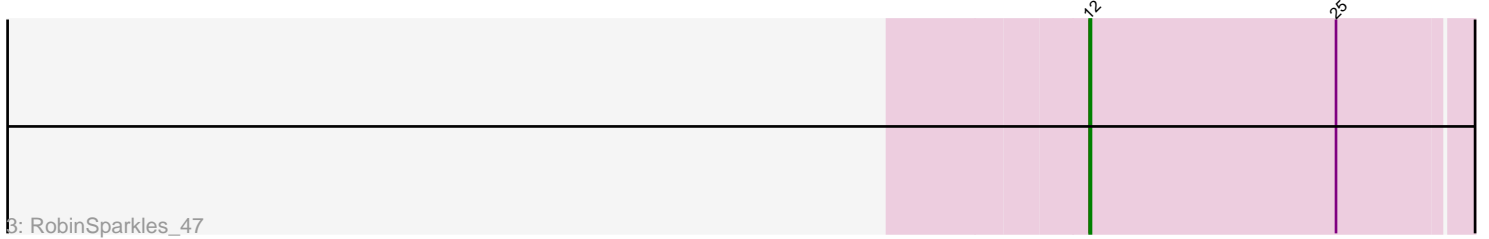
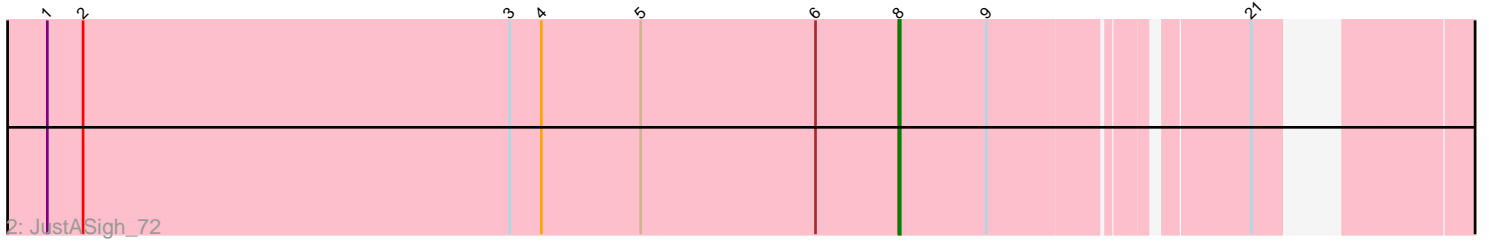
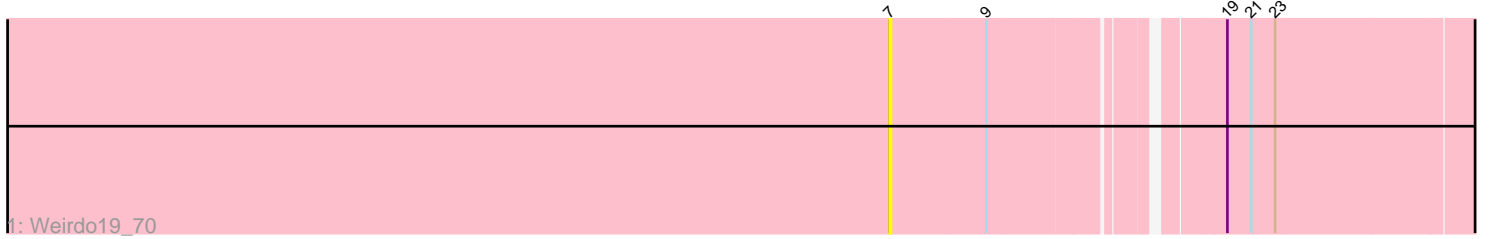


Pham 225231



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 225231 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225231 has 6 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Weirdo19_70
- Track 2 : JustASigh_72
- Track 3 : RobinSparkles_47
- Track 4 : 32HC_74
- Track 5 : Rem711_73
- Track 6 : E3_gp75

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

The start number called the most often in the published annotations is 8, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 32HC_74, JustASigh_72, Rem711_73,

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

-

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

- E3_gp75, RobinSparkles_47, Weirdo19_70,

Summary by start number:

Start 7:

- Found in 1 of 6 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Weirdo19_70 (AH),

Start 8:

- Found in 3 of 6 (50.0%) 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: 32HC_74 (Z), JustASigh_72 (AH), Rem711_73 (Z),

Start 12:

- Found in 1 of 6 (16.7%) 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: RobinSparkles_47 (CX),

Start 13:

- Found in 1 of 6 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: E3_gp75 (singleton),

Summary by clusters:

There are 4 clusters represented in this pham: AH, Z, CX, singleton,

Info for manual annotations of cluster AH:

- Start number 8 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster CX:

- Start number 12 was manually annotated 1 time for cluster CX.

Info for manual annotations of cluster Z:

- Start number 8 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_74 Start: 45244, Stop: 45657, Start Num: 8

Candidate Starts for 32HC_74:

(Start: 8 @45244 has 2 MA's), (11, 45337), (14, 45409), (15, 45421), (24, 45547), (27, 45622),

Gene: E3_gp75 Start: 36271, Stop: 36531, Start Num: 13

Candidate Starts for E3_gp75:

(10, 36193), (13, 36271), (16, 36319), (17, 36325), (18, 36346), (20, 36388), (22, 36394), (26, 36454),

Gene: JustASigh_72 Start: 46685, Stop: 47041, Start Num: 8

Candidate Starts for JustASigh_72:

(1, 46043), (2, 46070), (3, 46391), (4, 46415), (5, 46490), (6, 46622), (Start: 8 @46685 has 2 MA's), (9, 46751), (21, 46919),

Gene: Rem711_73 Start: 45203, Stop: 45616, Start Num: 8

Candidate Starts for Rem711_73:

(Start: 8 @45203 has 2 MA's), (11, 45296), (14, 45368), (15, 45380), (24, 45506), (27, 45581),

Gene: RobinSparkles_47 Start: 44442, Stop: 44158, Start Num: 12

Candidate Starts for RobinSparkles_47:

(Start: 12 @44442 has 1 MA's), (25, 44256),

Gene: Weirido19_70 Start: 45292, Stop: 45699, Start Num: 7
Candidate Starts for Weirido19_70:
(7, 45292), (9, 45364), (19, 45514), (21, 45532), (23, 45550),