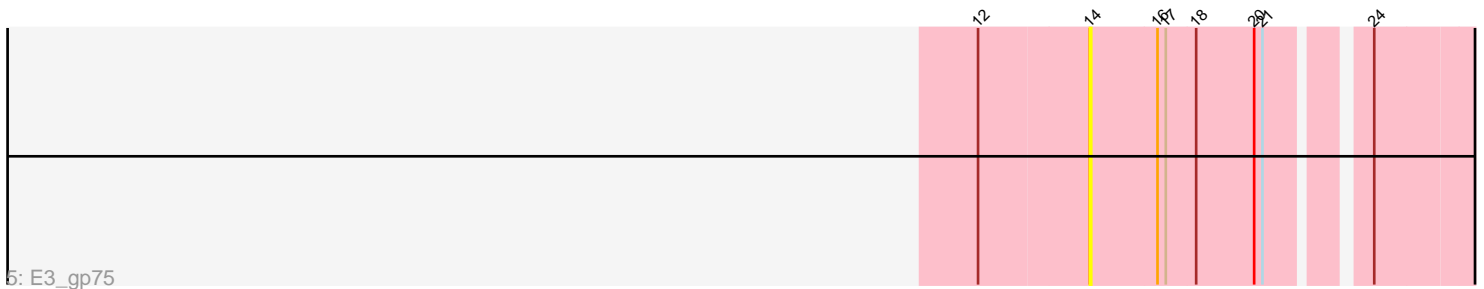
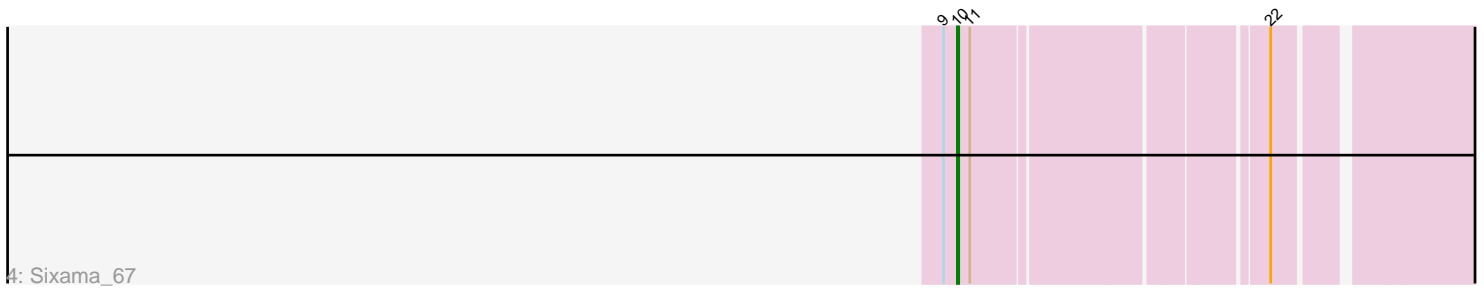
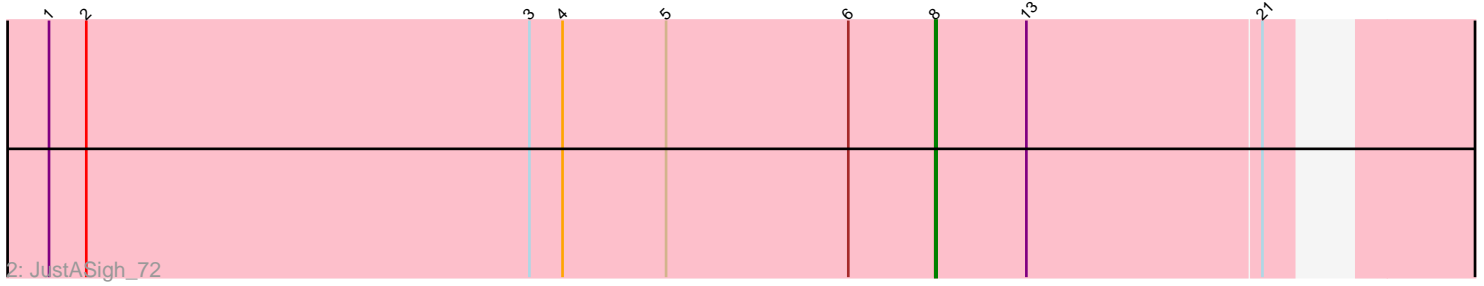
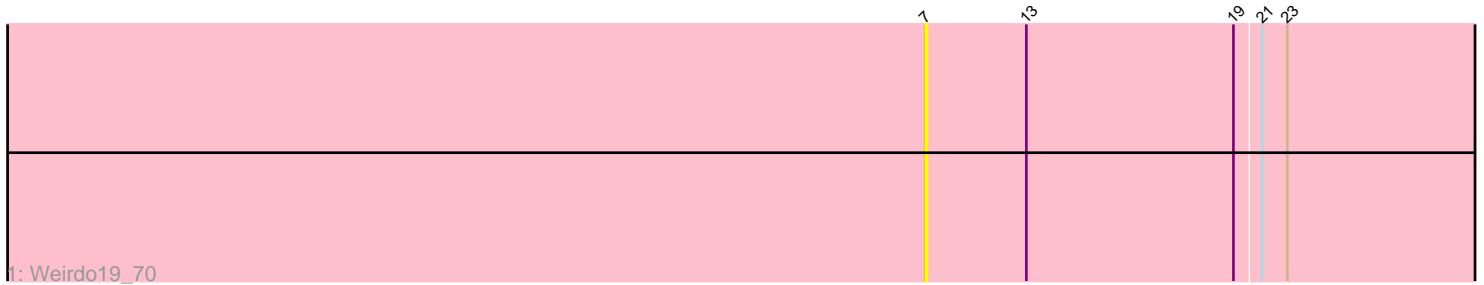


Pham 172001



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 172001 Report

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

Pham number 172001 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Weirdo19_70
- Track 2 : JustASigh_72
- Track 3 : BlueNGold_72, Boopy_74, Mareelih_72, Forza_74
- Track 4 : Sixama_67
- Track 5 : 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 10, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BlueNGold_72, Boopy_74, Forza_74, Mareelih_72, Sixama_67,

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

-

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

- E3_gp75, JustASigh_72, Weirdo19_70,

Summary by start number:

Start 7:

- Found in 1 of 8 (12.5%) 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 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JustASigh_72 (AH),

Start 10:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueNGold_72 (DS), Boopy_74 (DS), Forza_74 (DS), Mareelih_72 (DS), Sixama_67 (DS),

Start 14:

- Found in 1 of 8 (12.5%) 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 3 clusters represented in this pham: AH, singleton, DS,

Info for manual annotations of cluster AH:

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

Info for manual annotations of cluster DS:

- Start number 10 was manually annotated 5 times for cluster DS.

Gene Information:

Gene: BlueNGold_72 Start: 29895, Stop: 30227, Start Num: 10

Candidate Starts for BlueNGold_72:

(Start: 10 @29895 has 5 MA's), (15, 30018), (25, 30198),

Gene: Boopy_74 Start: 29907, Stop: 30239, Start Num: 10

Candidate Starts for Boopy_74:

(Start: 10 @29907 has 5 MA's), (15, 30030), (25, 30210),

Gene: E3_gp75 Start: 36271, Stop: 36531, Start Num: 14

Candidate Starts for E3_gp75:

(12, 36193), (14, 36271), (16, 36319), (17, 36325), (18, 36346), (20, 36388), (21, 36394), (24, 36454),

Gene: Forza_74 Start: 29823, Stop: 30155, Start Num: 10

Candidate Starts for Forza_74:

(Start: 10 @29823 has 5 MA's), (15, 29946), (25, 30126),

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 1 MA's), (13, 46751), (21, 46919),

Gene: Mareelih_72 Start: 29325, Stop: 29657, Start Num: 10

Candidate Starts for Mareelih_72:

(Start: 10 @29325 has 5 MA's), (15, 29448), (25, 29628),

Gene: Sixama_67 Start: 27863, Stop: 28192, Start Num: 10

Candidate Starts for Sixama_67:

(9, 27854), (Start: 10 @27863 has 5 MA's), (11, 27872), (22, 28064),

Gene: Weirido19_70 Start: 45292, Stop: 45699, Start Num: 7

Candidate Starts for Weirido19_70:

(7, 45292), (13, 45364), (19, 45514), (21, 45532), (23, 45550),