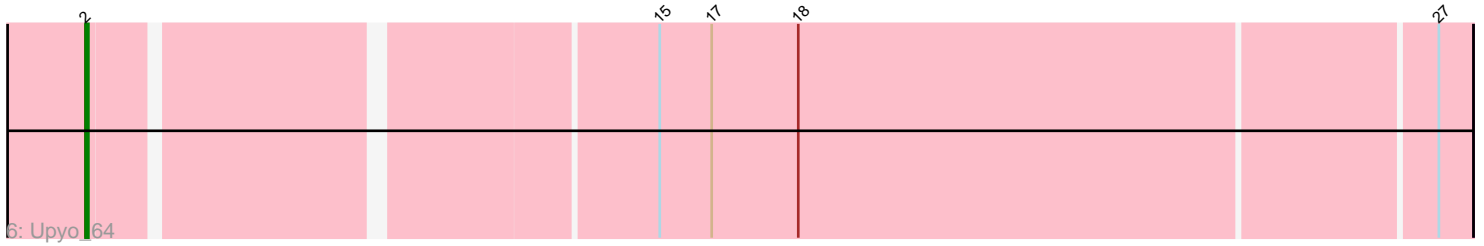
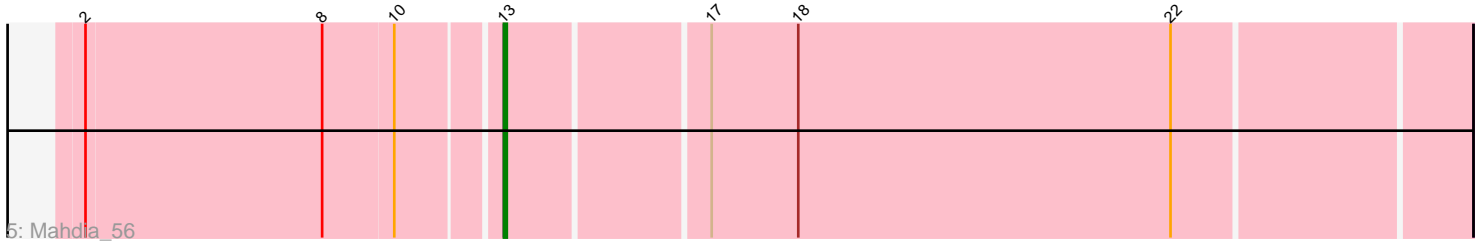
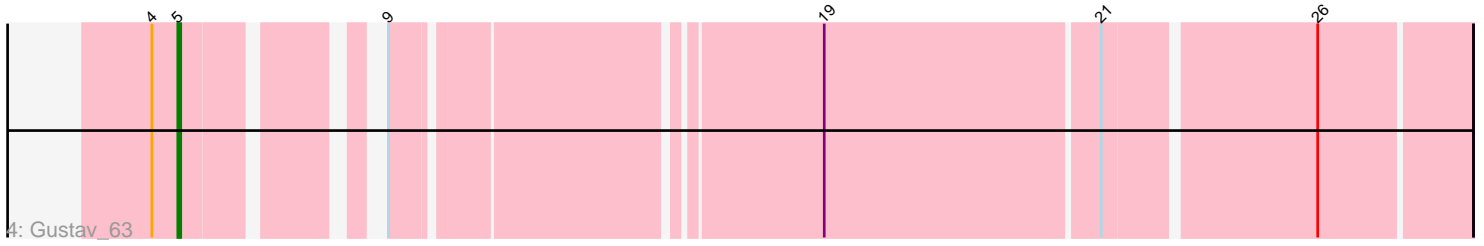
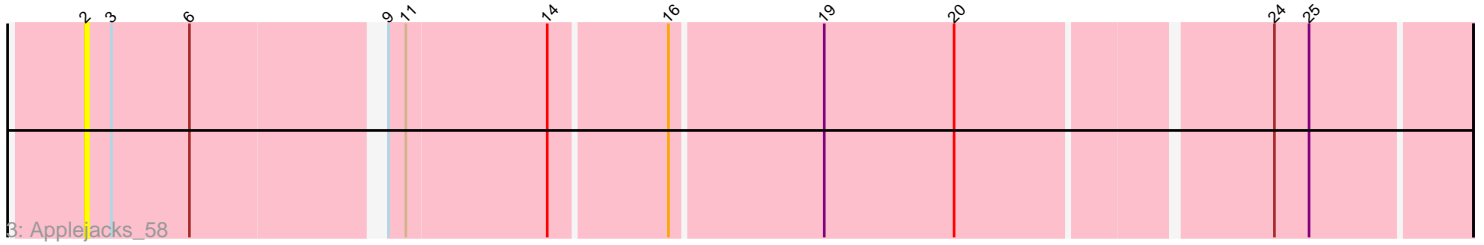
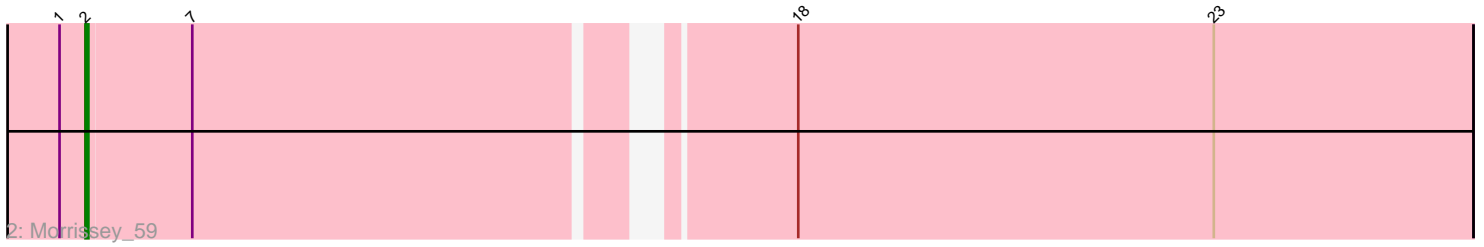
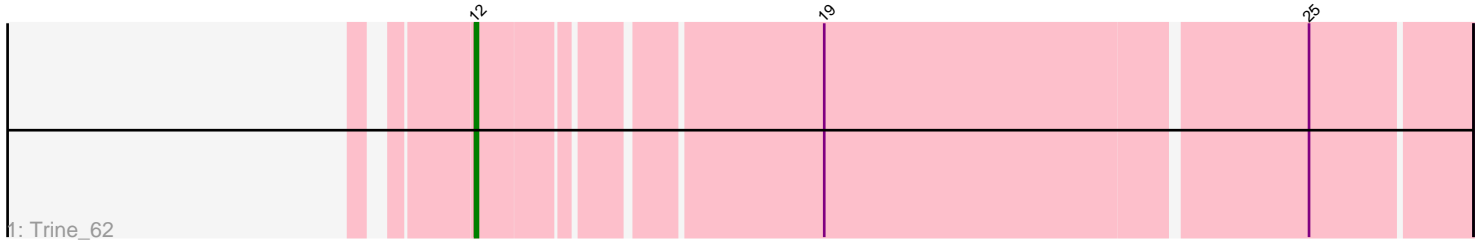


Pham 297380



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 297380 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297380 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Trine_62
- Track 2 : Morrissey_59
- Track 3 : Applejacks_58
- Track 4 : Gustav_63
- Track 5 : Mahdia_56
- Track 6 : Upyo_64

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

The start number called the most often in the published annotations is 2, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Applejacks_58, Morrissey_59, Upyo_64,

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

- Mahdia_56,

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

- Gustav_63, Trine_62,

Summary by start number:

Start 2:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Applejacks_58 (CD), Morrissey_59 (CD), Upyo_64 (CD),

Start 5:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Gustav_63 (CD),

Start 12:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Trine_62 (CD),

Start 13:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mahdia_56 (CD),

Summary by clusters:

There is one cluster represented in this pham: CD

Info for manual annotations of cluster CD:

- Start number 2 was manually annotated 2 times for cluster CD.
- Start number 5 was manually annotated 1 time for cluster CD.
- Start number 12 was manually annotated 1 time for cluster CD.
- Start number 13 was manually annotated 1 time for cluster CD.

Gene Information:

Gene: Applejacks_58 Start: 40103, Stop: 40555, Start Num: 2

Candidate Starts for Applejacks_58:

(Start: 2 @40103 has 2 MA's), (3, 40112), (6, 40139), (9, 40199), (11, 40205), (14, 40253), (16, 40292), (19, 40343), (20, 40388), (24, 40490), (25, 40502),

Gene: Gustav_63 Start: 42056, Stop: 42454, Start Num: 5

Candidate Starts for Gustav_63:

(4, 42047), (Start: 5 @42056 has 1 MA's), (9, 42107), (19, 42242), (21, 42335), (26, 42404),

Gene: Mahdia_56 Start: 40358, Stop: 40681, Start Num: 13

Candidate Starts for Mahdia_56:

(Start: 2 @40220 has 2 MA's), (8, 40301), (10, 40325), (Start: 13 @40358 has 1 MA's), (17, 40424), (18, 40454), (22, 40583),

Gene: Morrissey_59 Start: 42085, Stop: 42543, Start Num: 2

Candidate Starts for Morrissey_59:

(1, 42076), (Start: 2 @42085 has 2 MA's), (7, 42121), (18, 42310), (23, 42454),

Gene: Trine_62 Start: 41794, Stop: 42117, Start Num: 12

Candidate Starts for Trine_62:

(Start: 12 @41794 has 1 MA's), (19, 41902), (25, 42064),

Gene: Upyo_64 Start: 43304, Stop: 43759, Start Num: 2

Candidate Starts for Upyo_64:

(Start: 2 @43304 has 2 MA's), (15, 43484), (17, 43502), (18, 43532), (27, 43748),

