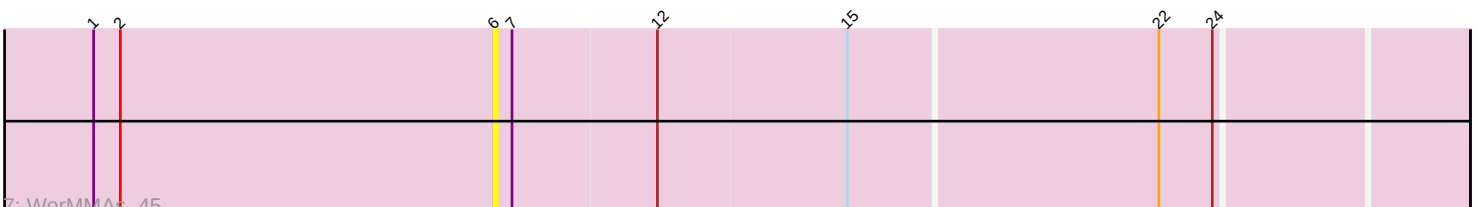
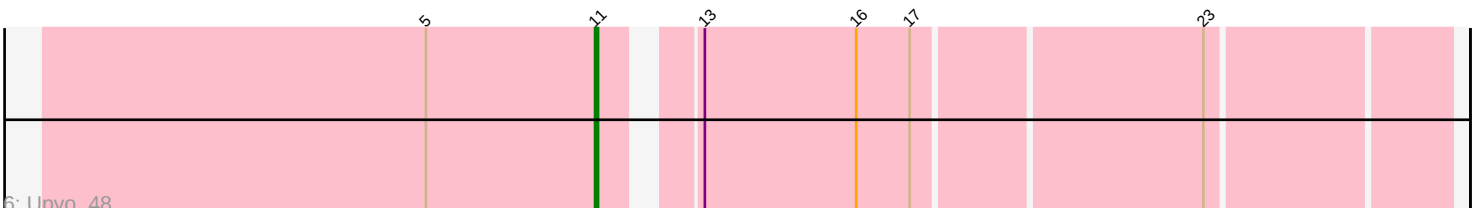
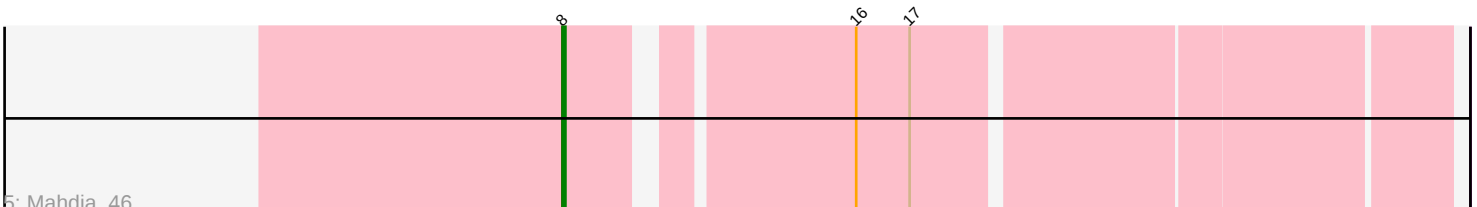
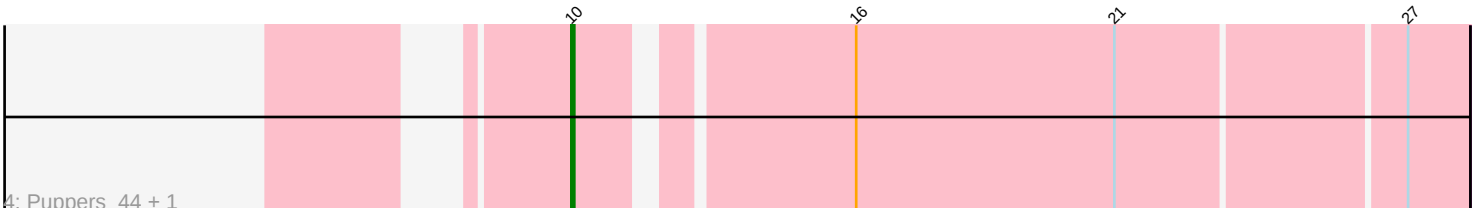
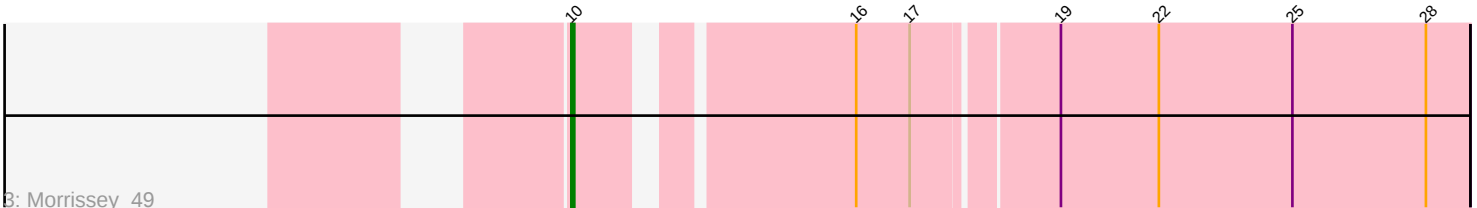
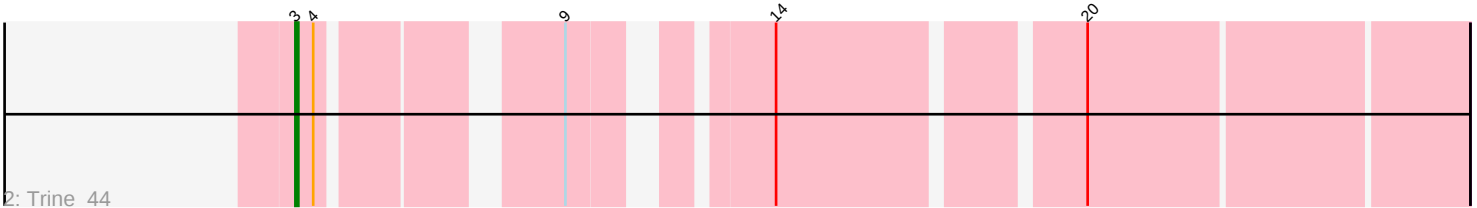


Pham 316286



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 316286 Report

This analysis was run 09/05/26 on database version 662.

Pham number 316286 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Gustav_49
- Track 2 : Trine_44
- Track 3 : Morrissey_49
- Track 4 : Puppies_44, Widow_45
- Track 5 : Mahdia_46
- Track 6 : Upyo_48
- Track 7 : WorMMAs_45

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gustav_49, Morrissey_49, Puppies_44, Widow_45,

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

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

- Mahdia_46, Trine_44, Upyo_48, WorMMAs_45,

Summary by start number:

Start 3:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Trine_44 (CD),

Start 6:

- 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: WorMMAs_45 (UNK),

Start 8:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mahdia_46 (CD),

Start 10:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gustav_49 (CD), Morrissey_49 (CD), Puppies_44 (CD), Widow_45 (CD),

Start 11:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Upyo_48 (CD),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, CD,

Info for manual annotations of cluster CD:

- Start number 3 was manually annotated 1 time for cluster CD.
- Start number 8 was manually annotated 1 time for cluster CD.
- Start number 10 was manually annotated 4 times for cluster CD.
- Start number 11 was manually annotated 1 time for cluster CD.

Gene Information:

Gene: Gustav_49 Start: 36769, Stop: 36488, Start Num: 10

Candidate Starts for Gustav_49:

(Start: 10 @36769 has 4 MA's), (16, 36688), (18, 36646), (19, 36622), (26, 36526), (28, 36502),

Gene: Mahdia_46 Start: 35508, Stop: 35236, Start Num: 8

Candidate Starts for Mahdia_46:

(Start: 8 @35508 has 1 MA's), (16, 35424), (17, 35406),

Gene: Morrissey_49 Start: 38091, Stop: 37810, Start Num: 10

Candidate Starts for Morrissey_49:

(Start: 10 @38091 has 4 MA's), (16, 38010), (17, 37992), (19, 37947), (22, 37914), (25, 37869), (28, 37824),

Gene: Puppies_44 Start: 35180, Stop: 34899, Start Num: 10

Candidate Starts for Puppies_44:

(Start: 10 @35180 has 4 MA's), (16, 35099), (21, 35012), (27, 34919),

Gene: Trine_44 Start: 35461, Stop: 35123, Start Num: 3

Candidate Starts for Trine_44:

(Start: 3 @35461 has 1 MA's), (4, 35455), (9, 35389), (14, 35338), (20, 35245),

Gene: Upyo_48 Start: 37090, Stop: 36827, Start Num: 11

Candidate Starts for Upyo_48:

(5, 37147), (Start: 11 @37090 has 1 MA's), (13, 37066), (16, 37015), (17, 36997), (23, 36904),

Gene: Widow_45 Start: 35824, Stop: 35543, Start Num: 10

Candidate Starts for Widow_45:

(Start: 10 @35824 has 4 MA's), (16, 35743), (21, 35656), (27, 35563),

Gene: WorMMAs_45 Start: 34452, Stop: 34135, Start Num: 6

Candidate Starts for WorMMAs_45:

(1, 34587), (2, 34578), (6, 34452), (7, 34446), (12, 34398), (15, 34335), (22, 34233), (24, 34215),