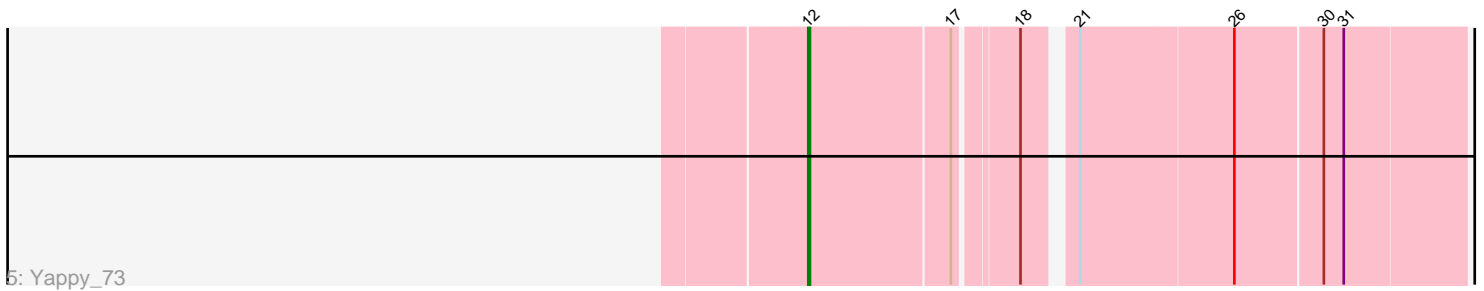
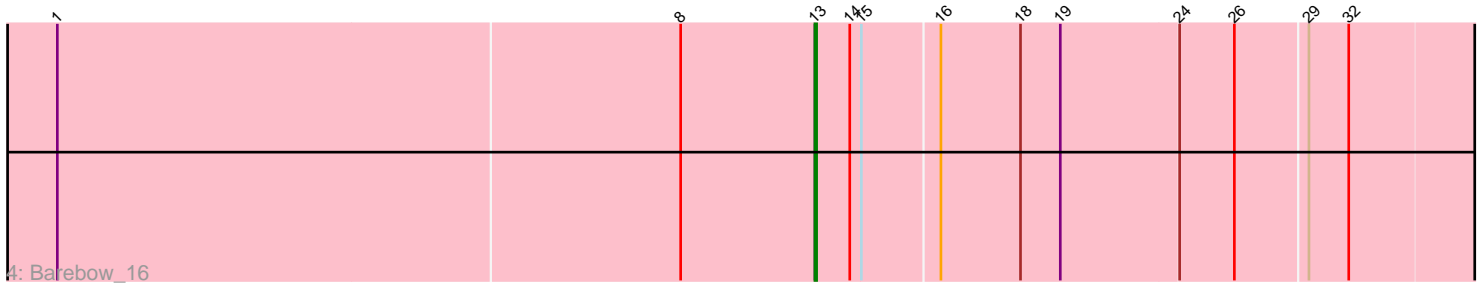
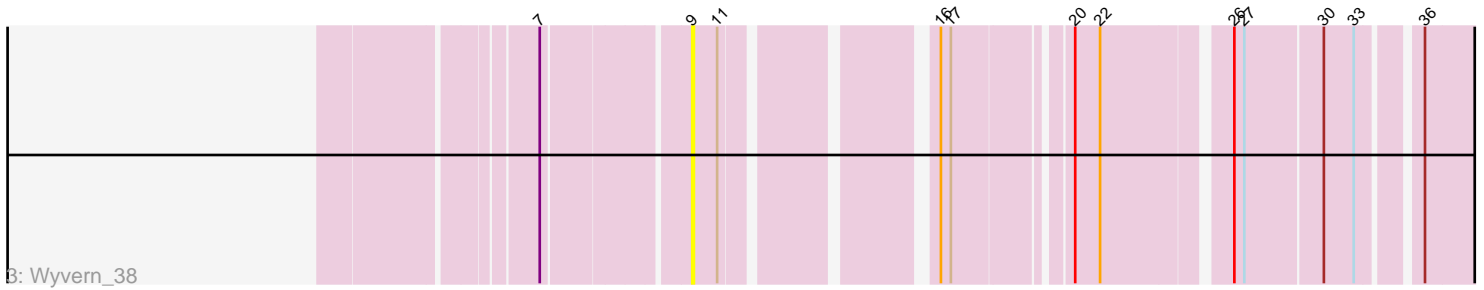
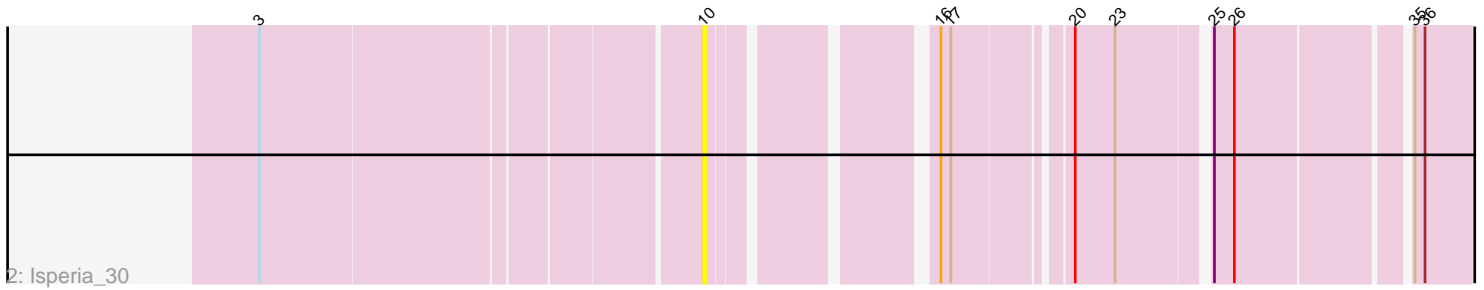
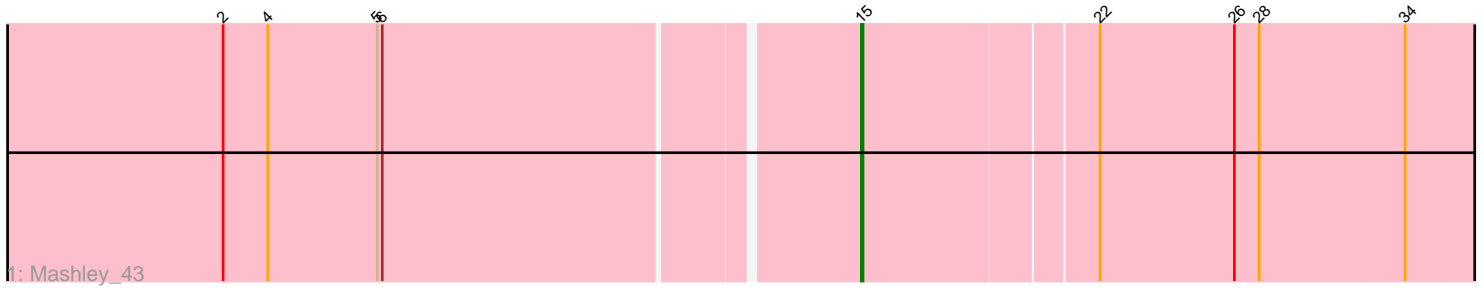


Pham 209424



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 209424 Report

This analysis was run 02/22/25 on database version 588.

Pham number 209424 has 5 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Mashley\_43
- Track 2 : Ispertia\_30
- Track 3 : Wyvern\_38
- Track 4 : Barebow\_16
- Track 5 : Yappy\_73

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

The start number called the most often in the published annotations is 13, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Barebow\_16,

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

- 

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

- Ispertia\_30, Mashley\_43, Wyvern\_38, Yappy\_73,

### **Summary by start number:**

Start 9:

- Found in 1 of 5 ( 20.0% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wyvern\_38 (GJ),

Start 10:

- Found in 1 of 5 ( 20.0% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ispertia\_30 (GJ),

Start 12:

- Found in 1 of 5 ( 20.0% ) 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: Yappy\_73 (singleton),

Start 13:

- Found in 1 of 5 ( 20.0% ) 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: Barebow\_16 (singleton),

Start 15:

- Found in 2 of 5 ( 40.0% ) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mashley\_43 (EG),

**Summary by clusters:**

There are 3 clusters represented in this pham: EG, GJ, singleton,

Info for manual annotations of cluster EG:

- Start number 15 was manually annotated 1 time for cluster EG.

**Gene Information:**

Gene: Barebow\_16 Start: 13052, Stop: 13462, Start Num: 13

Candidate Starts for Barebow\_16:

(1, 12599), (8, 12971), (Start: 13 @13052 has 1 MA's), (14, 13073), (Start: 15 @13079 has 1 MA's), (16, 13124), (18, 13172), (19, 13196), (24, 13265), (26, 13298), (29, 13340), (32, 13364),

Gene: Isperia\_30 Start: 20187, Stop: 20573, Start Num: 10

Candidate Starts for Isperia\_30:

(3, 19941), (10, 20187), (16, 20298), (17, 20304), (20, 20364), (23, 20388), (25, 20436), (26, 20448), (35, 20541), (36, 20547),

Gene: Mashley\_43 Start: 34157, Stop: 34516, Start Num: 15

Candidate Starts for Mashley\_43:

(2, 33788), (4, 33815), (5, 33881), (6, 33884), (Start: 15 @34157 has 1 MA's), (22, 34292), (26, 34373), (28, 34388), (34, 34475),

Gene: Wyvern\_38 Start: 21316, Stop: 21717, Start Num: 9

Candidate Starts for Wyvern\_38:

(7, 21238), (9, 21316), (11, 21331), (16, 21436), (17, 21442), (20, 21502), (22, 21517), (26, 21586), (27, 21592), (30, 21637), (33, 21655), (36, 21685),

Gene: Yappy\_73 Start: 34287, Stop: 34649, Start Num: 12

Candidate Starts for Yappy\_73:

(Start: 12 @34287 has 1 MA's), (17, 34368), (18, 34401), (21, 34425), (26, 34515), (30, 34566), (31, 34578),