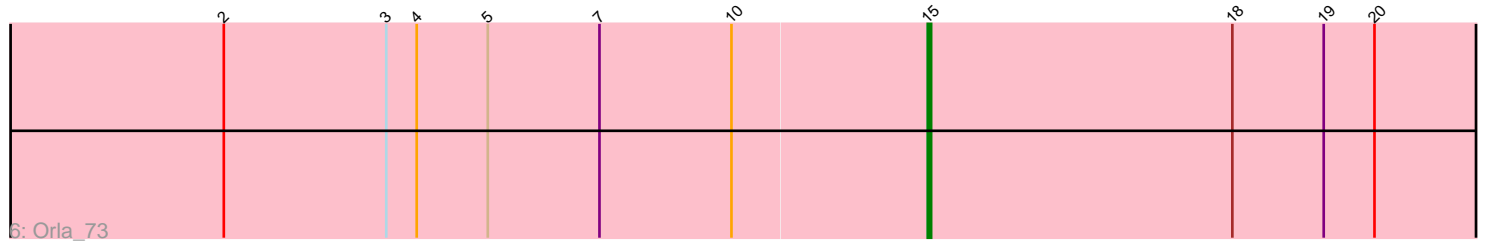
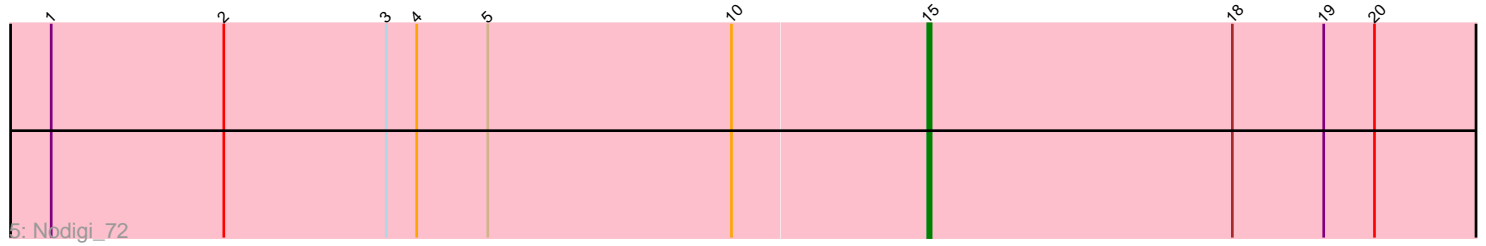
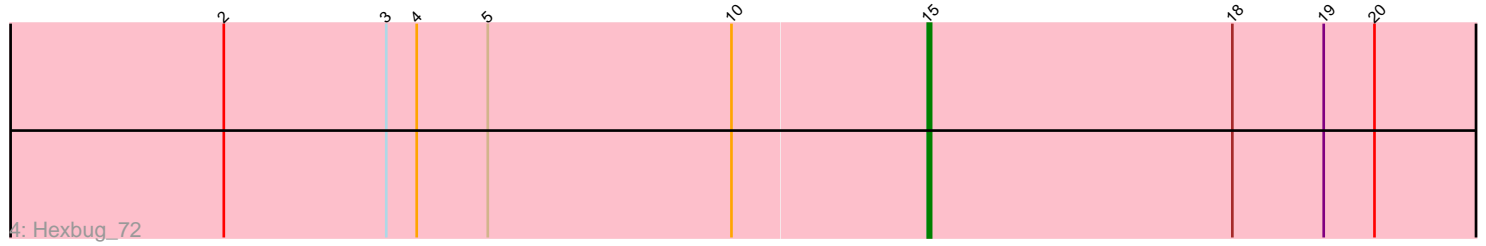
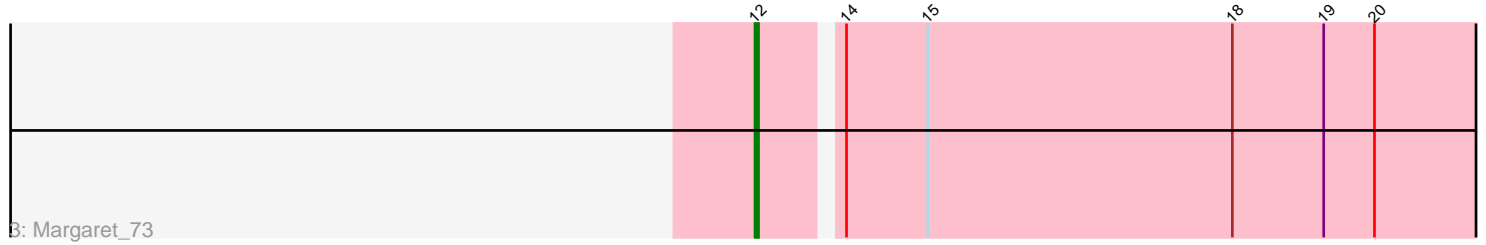
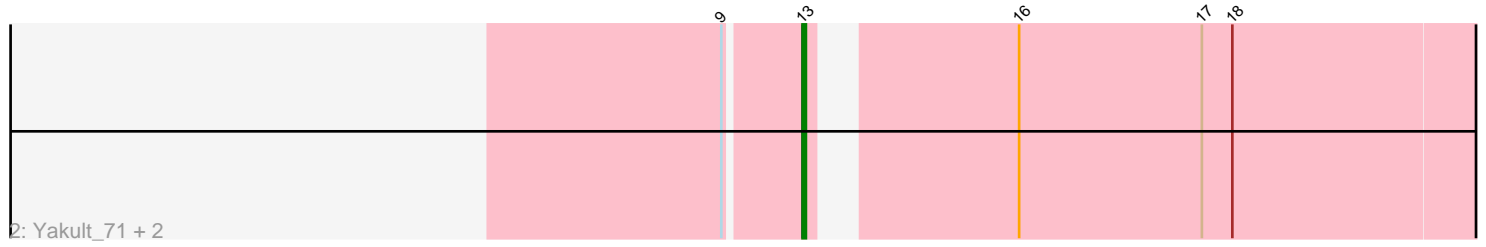
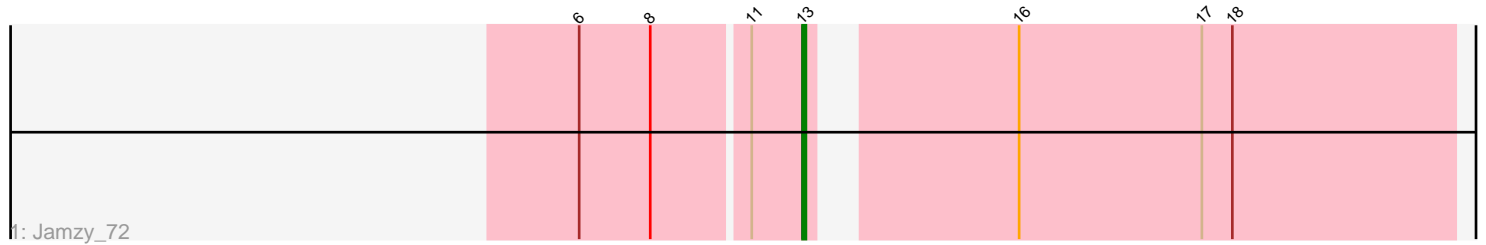


# Pham 162459



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 162459 Report

This analysis was run 05/04/24 on database version 560.

Pham number 162459 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Jamzy\_72
- Track 2 : Yakult\_71, Button\_68, GiKK\_72
- Track 3 : Margaret\_73
- Track 4 : Hexbug\_72
- Track 5 : Nodigi\_72
- Track 6 : Orla\_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 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Button\_68, GiKK\_72, Jamzy\_72, Yakult\_71,

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

- 

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

- Hexbug\_72, Margaret\_73, Nodigi\_72, Orla\_73,

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

Start 12:

- Found in 1 of 8 ( 12.5% ) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Margaret\_73 (CT),

Start 13:

- Found in 4 of 8 ( 50.0% ) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Button\_68 (CT), GiKK\_72 (CT), Jamzy\_72 (CT), Yakult\_71 (CT),

Start 15:

- Found in 4 of 8 ( 50.0% ) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Hexbug\_72 (CT), Nodigi\_72 (CT), Orla\_73 (CT),

### **Summary by clusters:**

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:

- Start number 12 was manually annotated 1 time for cluster CT.
- Start number 13 was manually annotated 4 times for cluster CT.
- Start number 15 was manually annotated 3 times for cluster CT.

### **Gene Information:**

Gene: Button\_68 Start: 45066, Stop: 45266, Start Num: 13

Candidate Starts for Button\_68:

(9, 45045), (Start: 13 @45066 has 4 MA's), (16, 45117), (17, 45171), (18, 45180),

Gene: GiKK\_72 Start: 46277, Stop: 46456, Start Num: 13

Candidate Starts for GiKK\_72:

(9, 46256), (Start: 13 @46277 has 4 MA's), (16, 46328), (17, 46382), (18, 46391),

Gene: Hexbug\_72 Start: 46284, Stop: 46460, Start Num: 15

Candidate Starts for Hexbug\_72:

(2, 46077), (3, 46125), (4, 46134), (5, 46155), (10, 46227), (Start: 15 @46284 has 3 MA's), (18, 46374), (19, 46401), (20, 46416),

Gene: Jamzy\_72 Start: 46007, Stop: 46186, Start Num: 13

Candidate Starts for Jamzy\_72:

(6, 45944), (8, 45965), (11, 45992), (Start: 13 @46007 has 4 MA's), (16, 46058), (17, 46112), (18, 46121),

Gene: Margaret\_73 Start: 45790, Stop: 46011, Start Num: 12

Candidate Starts for Margaret\_73:

(Start: 12 @45790 has 1 MA's), (14, 45811), (Start: 15 @45835 has 3 MA's), (18, 45925), (19, 45952), (20, 45967),

Gene: Nodigi\_72 Start: 46305, Stop: 46481, Start Num: 15

Candidate Starts for Nodigi\_72:

(1, 46047), (2, 46098), (3, 46146), (4, 46155), (5, 46176), (10, 46248), (Start: 15 @46305 has 3 MA's), (18, 46395), (19, 46422), (20, 46437),

Gene: Orla\_73 Start: 46436, Stop: 46612, Start Num: 15

Candidate Starts for Orla\_73:

(2, 46229), (3, 46277), (4, 46286), (5, 46307), (7, 46340), (10, 46379), (Start: 15 @46436 has 3 MA's),  
(18, 46526), (19, 46553), (20, 46568),

Gene: Yakult\_71 Start: 46173, Stop: 46373, Start Num: 13

Candidate Starts for Yakult\_71:

(9, 46152), (Start: 13 @46173 has 4 MA's), (16, 46224), (17, 46278), (18, 46287),