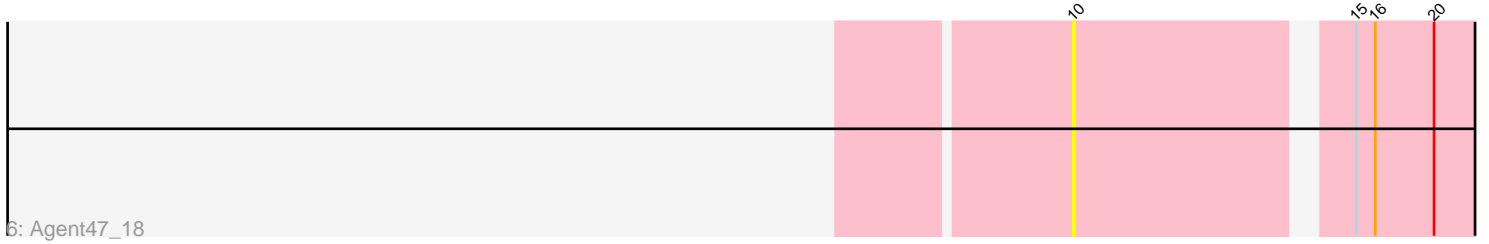
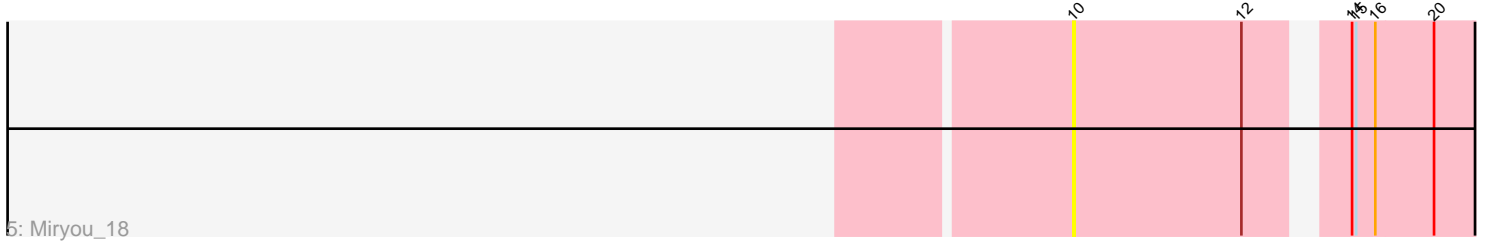
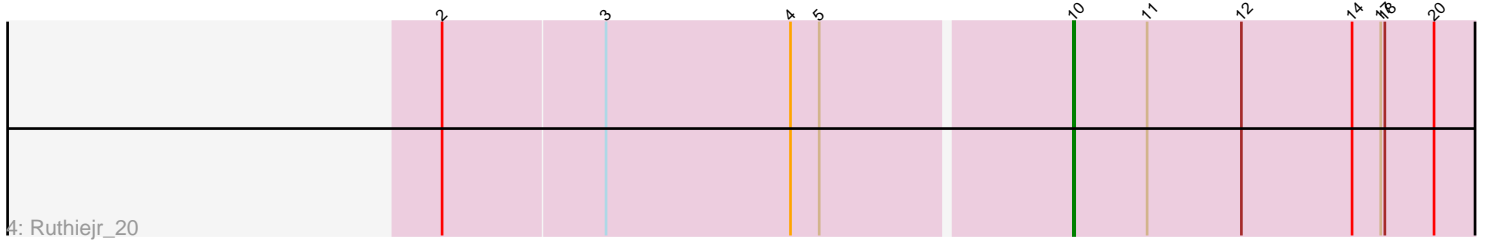
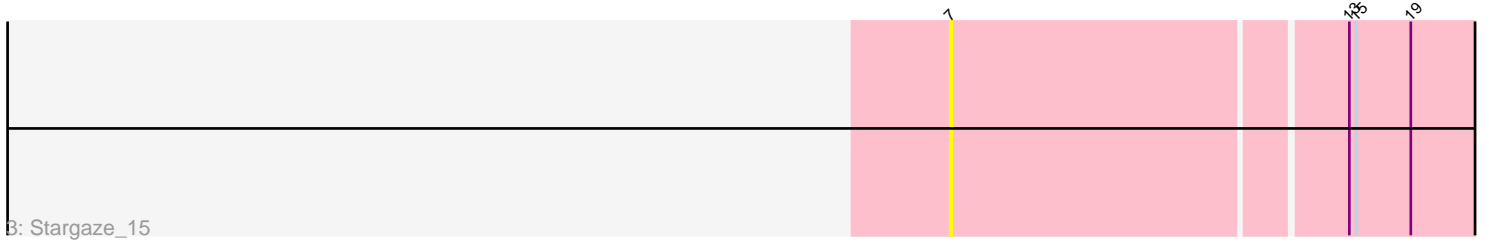
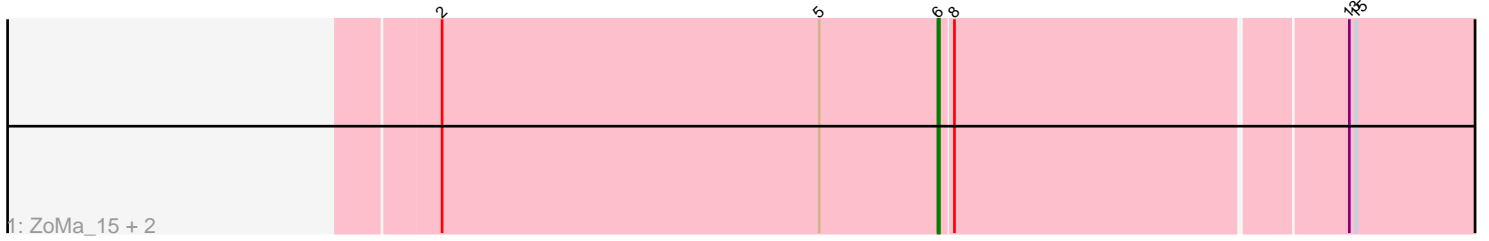


Pham 162429



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 162429 Report

This analysis was run 04/28/24 on database version 559.

Pham number 162429 has 8 members, 6 are drafts.

Phages represented in each track:

- Track 1 : ZoMa\_15, ECartman\_15, DNAlll\_0015
- Track 2 : Pace1224\_15
- Track 3 : Stargaze\_15
- Track 4 : Ruthiejr\_20
- Track 5 : Miryou\_18
- Track 6 : Agent47\_18

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

The start number called the most often in the published annotations is 6, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DNAlll\_0015, ECartman\_15, ZoMa\_15,

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

- 

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

- Agent47\_18, Miryou\_18, Pace1224\_15, Ruthiejr\_20, Stargaze\_15,

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

Start 6:

- Found in 3 of 8 ( 37.5% ) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DNAlll\_0015 (G1), ECartman\_15 (G1), ZoMa\_15 (G1),

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: Stargaze\_15 (G5),

Start 9:

- 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: Pace1224\_15 (G2),

Start 10:

- Found in 4 of 8 ( 50.0% ) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Agent47\_18 (K5), Miryou\_18 (K5), Ruthiejr\_20 (K4),

### **Summary by clusters:**

There are 5 clusters represented in this pham: G5, K4, K5, G1, G2,

Info for manual annotations of cluster G1:

- Start number 6 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster K4:

- Start number 10 was manually annotated 1 time for cluster K4.

### **Gene Information:**

Gene: Agent47\_18 Start: 11934, Stop: 12218, Start Num: 10

Candidate Starts for Agent47\_18:

(Start: 10 @11934 has 1 MA's), (15, 12117), (16, 12129), (20, 12171),

Gene: DNAIII\_0015 Start: 11096, Stop: 11473, Start Num: 6

Candidate Starts for DNAIII\_0015:

(2, 10733), (5, 11009), (Start: 6 @11096 has 1 MA's), (8, 11105), (13, 11384), (15, 11387),

Gene: ECartman\_15 Start: 11087, Stop: 11464, Start Num: 6

Candidate Starts for ECartman\_15:

(2, 10724), (5, 11000), (Start: 6 @11087 has 1 MA's), (8, 11096), (13, 11375), (15, 11378),

Gene: Miryou\_18 Start: 11813, Stop: 12097, Start Num: 10

Candidate Starts for Miryou\_18:

(Start: 10 @11813 has 1 MA's), (12, 11936), (14, 11993), (15, 11996), (16, 12008), (20, 12050),

Gene: Pace1224\_15 Start: 11290, Stop: 11628, Start Num: 9

Candidate Starts for Pace1224\_15:

(1, 10573), (2, 10861), (9, 11290), (Start: 10 @11320 has 1 MA's), (13, 11512), (15, 11515), (19, 11554),

Gene: Ruthiejr\_20 Start: 12597, Stop: 12920, Start Num: 10

Candidate Starts for Ruthiejr\_20:

(2, 12147), (3, 12264), (4, 12399), (5, 12420), (Start: 10 @12597 has 1 MA's), (11, 12651), (12, 12720), (14, 12801), (17, 12822), (18, 12825), (20, 12861),

Gene: Stargaze\_15 Start: 11389, Stop: 11766, Start Num: 7

Candidate Starts for Stargaze\_15:

(7, 11389), (13, 11668), (15, 11671), (19, 11710),

Gene: ZoMa\_15 Start: 11087, Stop: 11464, Start Num: 6

Candidate Starts for ZoMa\_15:

(2, 10724), (5, 11000), (Start: 6 @11087 has 1 MA's), (8, 11096), (13, 11375), (15, 11378),