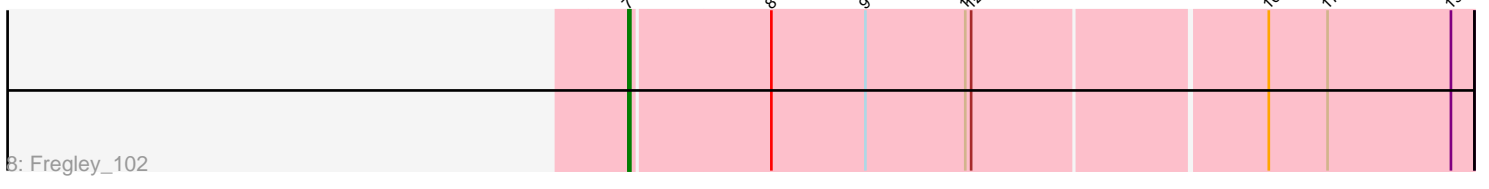
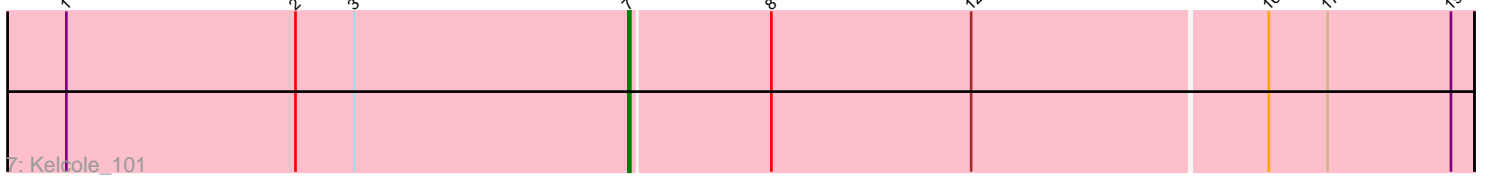
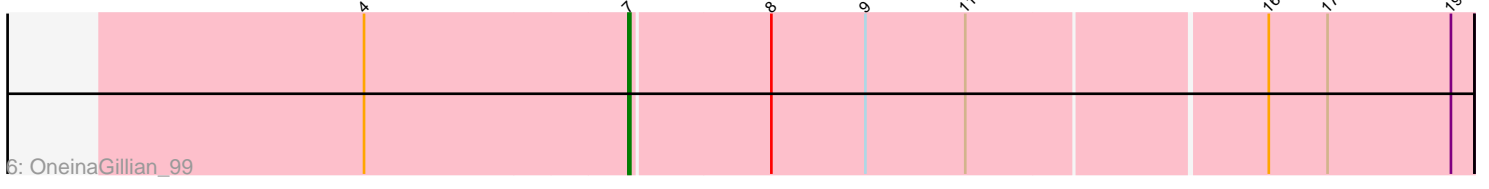
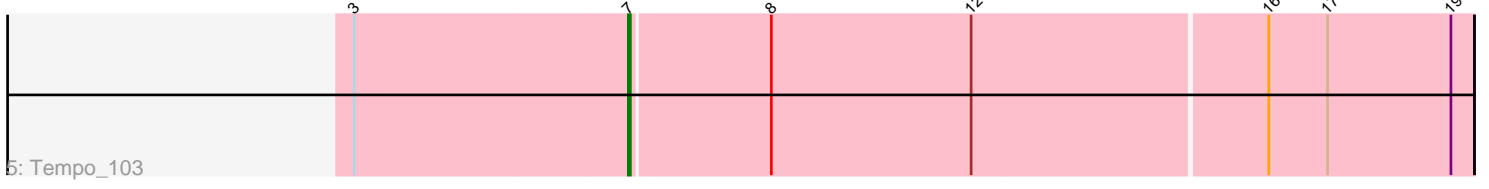
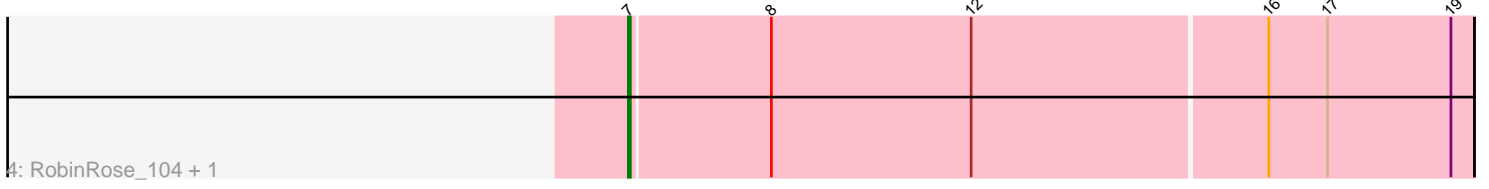
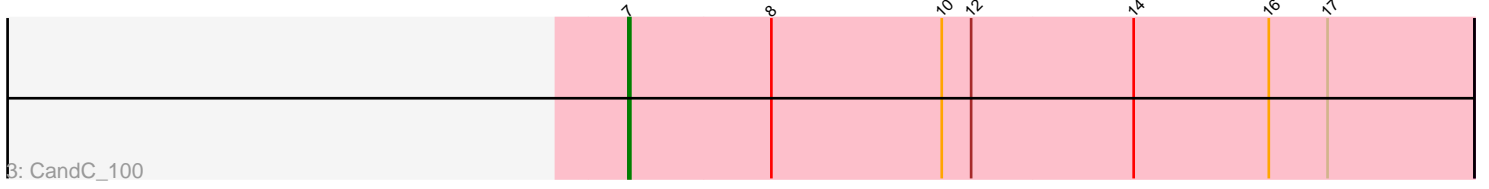
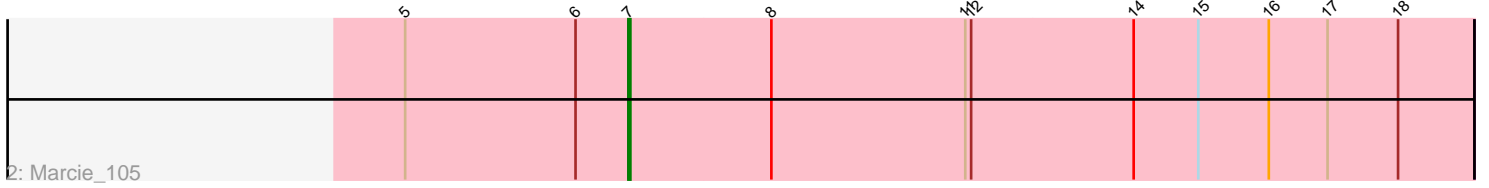
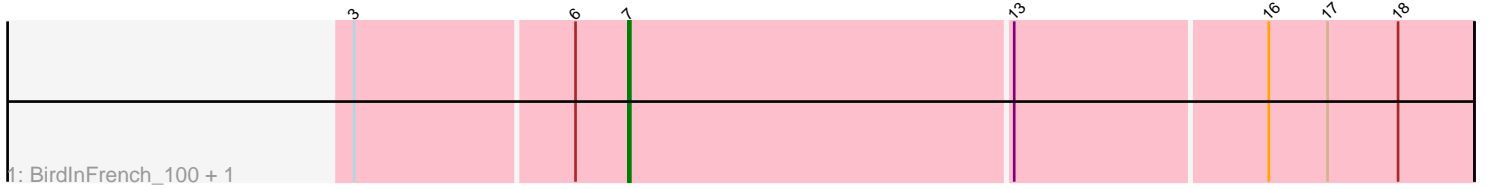


Pham 214875



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 214875 Report

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

Pham number 214875 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : BirdInFrench\_100, Wilca\_100
- Track 2 : Marcie\_105
- Track 3 : CandC\_100
- Track 4 : RobinRose\_104, Romm\_104
- Track 5 : Tempo\_103
- Track 6 : OneinaGillian\_99
- Track 7 : Kelcole\_101
- Track 8 : Fregley\_102

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

The start number called the most often in the published annotations is 7, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BirdInFrench\_100, CandC\_100, Fregley\_102, Kelcole\_101, Marcie\_105, OneinaGillian\_99, RobinRose\_104, Romm\_104, Tempo\_103, Wilca\_100,

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

- 

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

- 

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

Start 7:

- Found in 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdInFrench\_100 (EG), CandC\_100 (EG), Fregley\_102 (EG), Kelcole\_101 (EG), Marcie\_105 (EG), OneinaGillian\_99 (EG), RobinRose\_104 (EG), Romm\_104 (EG), Tempo\_103 (EG), Wilca\_100 (EG),

## Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

•Start number 7 was manually annotated 9 times for cluster EG.

### **Gene Information:**

Gene: BirdInFrench\_100 Start: 60082, Stop: 59660, Start Num: 7

Candidate Starts for BirdInFrench\_100:

(3, 60217), (6, 60109), (Start: 7 @60082 has 9 MA's), (13, 59890), (16, 59764), (17, 59734), (18, 59698),

Gene: CandC\_100 Start: 60173, Stop: 59745, Start Num: 7

Candidate Starts for CandC\_100:

(Start: 7 @60173 has 9 MA's), (8, 60101), (10, 60014), (12, 59999), (14, 59918), (16, 59849), (17, 59819),

Gene: Fregley\_102 Start: 60306, Stop: 59887, Start Num: 7

Candidate Starts for Fregley\_102:

(Start: 7 @60306 has 9 MA's), (8, 60237), (9, 60189), (11, 60138), (12, 60135), (16, 59991), (17, 59961), (19, 59898),

Gene: Kelcole\_101 Start: 60816, Stop: 60394, Start Num: 7

Candidate Starts for Kelcole\_101:

(1, 61101), (2, 60984), (3, 60954), (Start: 7 @60816 has 9 MA's), (8, 60747), (12, 60645), (16, 60498), (17, 60468), (19, 60405),

Gene: Marcie\_105 Start: 60586, Stop: 60158, Start Num: 7

Candidate Starts for Marcie\_105:

(5, 60700), (6, 60613), (Start: 7 @60586 has 9 MA's), (8, 60514), (11, 60415), (12, 60412), (14, 60331), (15, 60298), (16, 60262), (17, 60232), (18, 60196),

Gene: OneinaGillian\_99 Start: 59708, Stop: 59289, Start Num: 7

Candidate Starts for OneinaGillian\_99:

(4, 59840), (Start: 7 @59708 has 9 MA's), (8, 59639), (9, 59591), (11, 59540), (16, 59393), (17, 59363), (19, 59300),

Gene: RobinRose\_104 Start: 60839, Stop: 60417, Start Num: 7

Candidate Starts for RobinRose\_104:

(Start: 7 @60839 has 9 MA's), (8, 60770), (12, 60668), (16, 60521), (17, 60491), (19, 60428),

Gene: Romm\_104 Start: 60836, Stop: 60414, Start Num: 7

Candidate Starts for Romm\_104:

(Start: 7 @60836 has 9 MA's), (8, 60767), (12, 60665), (16, 60518), (17, 60488), (19, 60425),

Gene: Tempo\_103 Start: 60873, Stop: 60451, Start Num: 7

Candidate Starts for Tempo\_103:

(3, 61011), (Start: 7 @60873 has 9 MA's), (8, 60804), (12, 60702), (16, 60555), (17, 60525), (19, 60462),

Gene: Wilca\_100 Start: 60082, Stop: 59660, Start Num: 7

Candidate Starts for Wilca\_100:

(3, 60217), (6, 60109), (Start: 7 @60082 has 9 MA's), (13, 59890), (16, 59764), (17, 59734), (18, 59698),