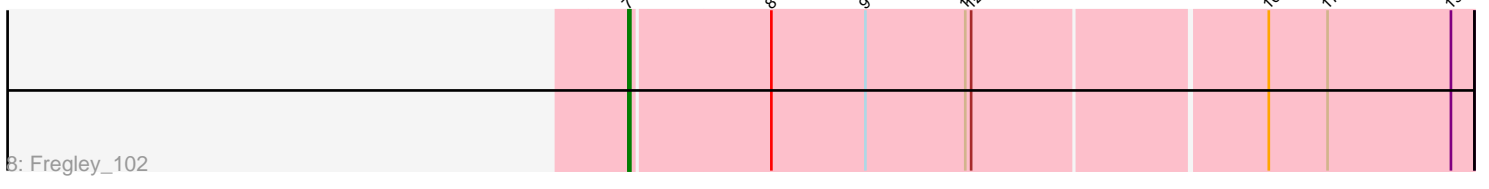
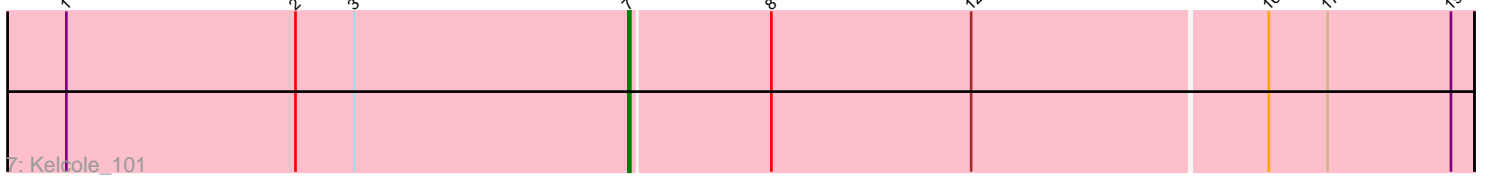
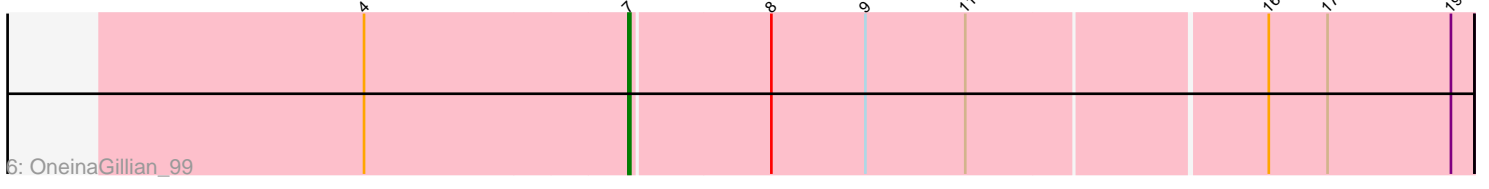
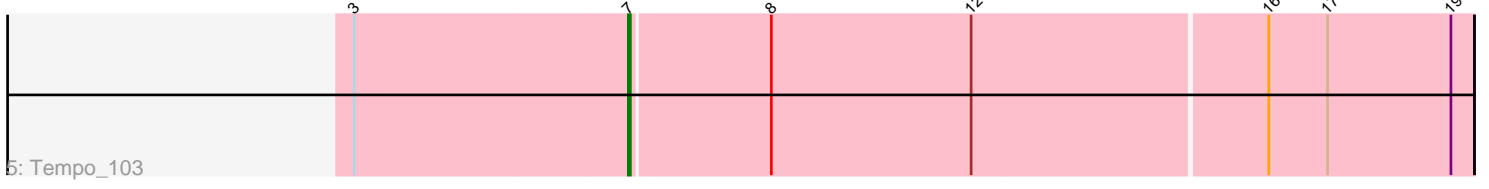
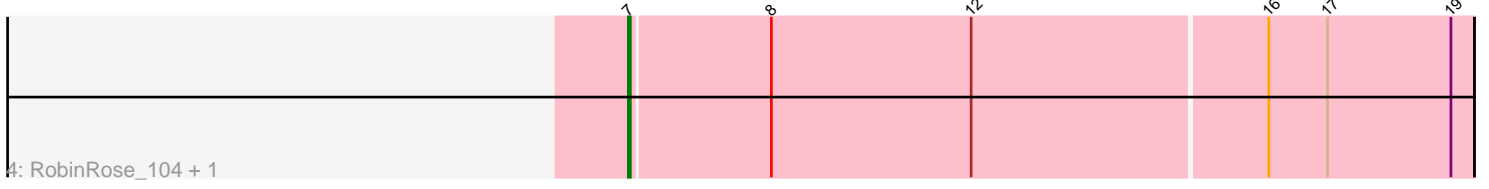
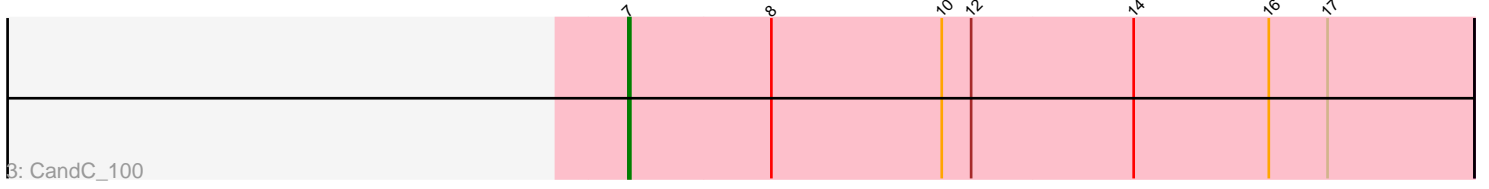
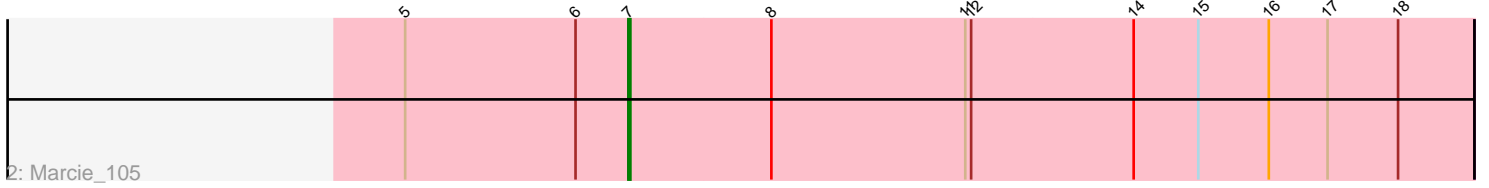
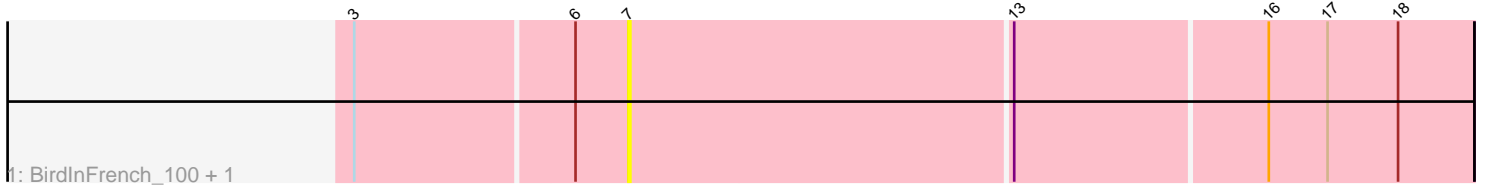


Pham 190291



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 190291 Report

This analysis was run 11/02/24 on database version 579.

Pham number 190291 has 10 members, 3 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 7 of the 7 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: 7 of 7
- 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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 7 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 7 MA's), (13, 59890), (16, 59764), (17, 59734), (18, 59698),