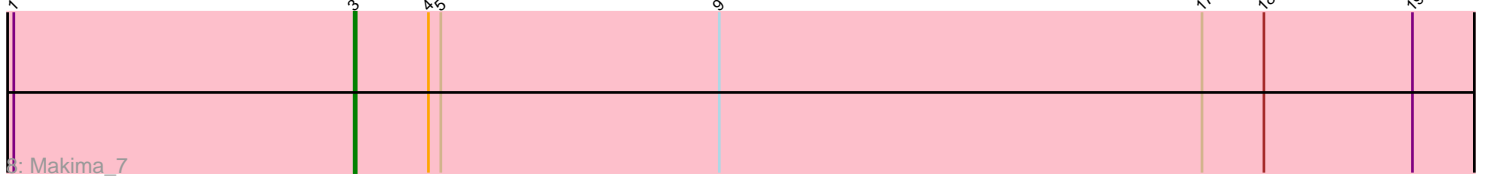
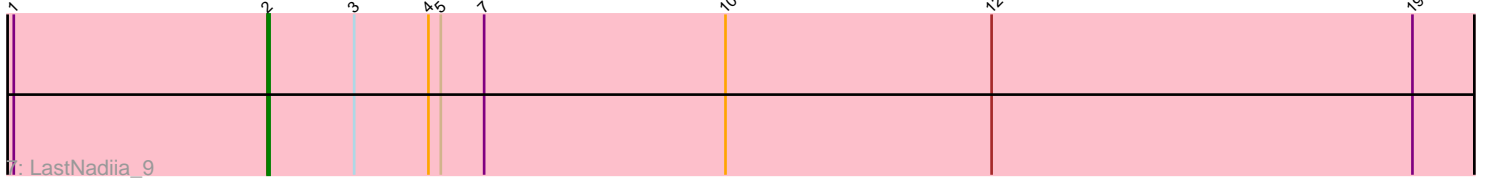
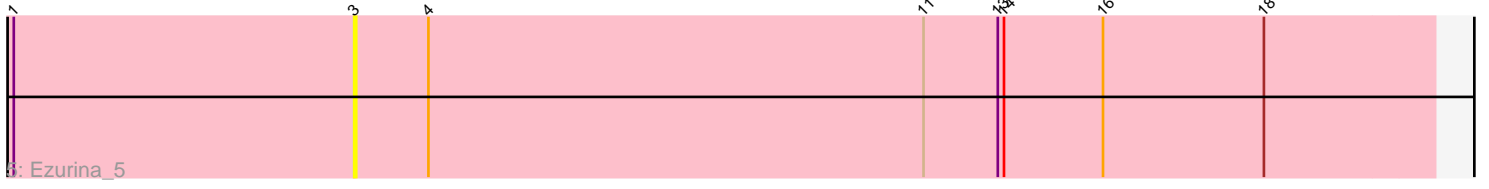
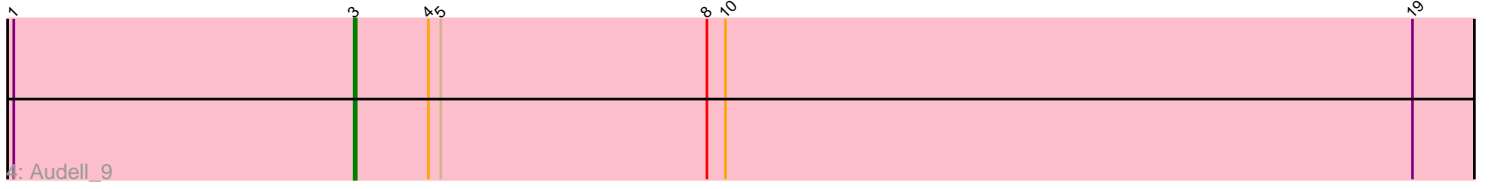
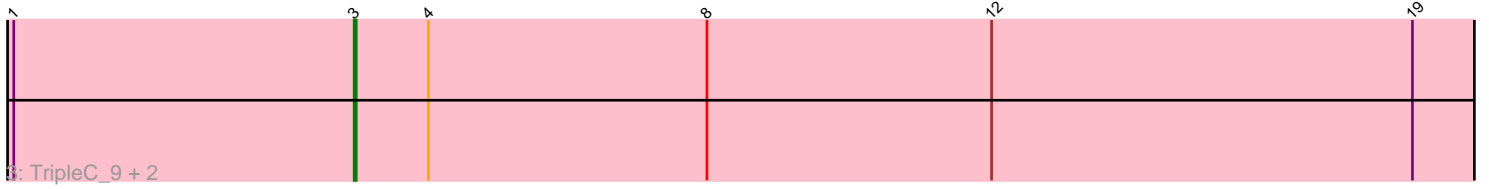
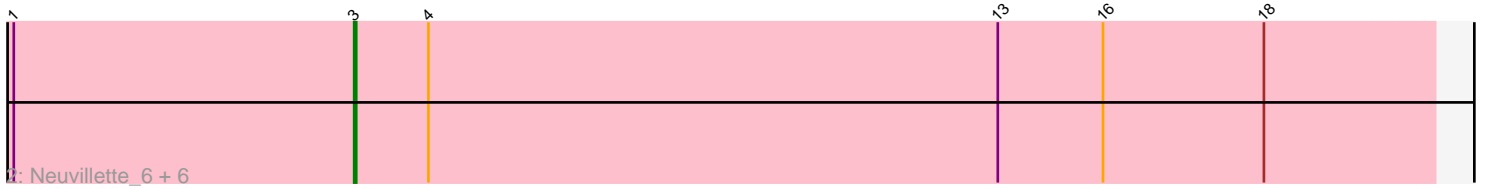
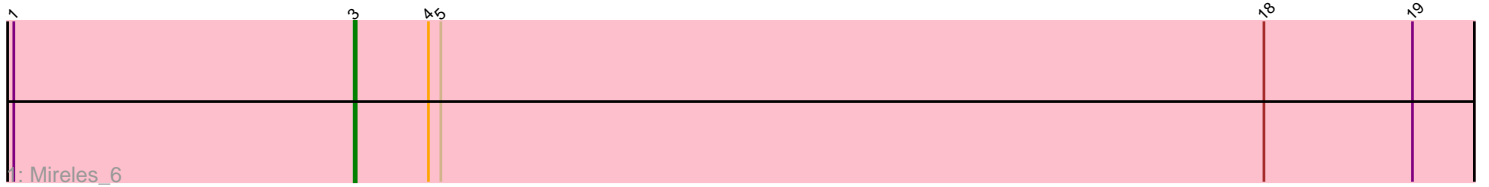


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 305383 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305383 has 16 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Mireles\_6
- Track 2 : Neuville\_6, Roberts\_6, CardboardBox\_6, ChamoyPickle\_6, ChipsNGuac\_6, Gerri43\_6, AnnabelLee\_6
- Track 3 : TripleC\_9, Agamoto\_8, TMaxx\_6
- Track 4 : Audell\_9
- Track 5 : Ezurina\_5
- Track 6 : Studio\_6
- Track 7 : LastNadiia\_9
- Track 8 : Makima\_7

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

The start number called the most often in the published annotations is 3, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agamoto\_8, AnnabelLee\_6, Audell\_9, CardboardBox\_6, ChamoyPickle\_6, ChipsNGuac\_6, Ezurina\_5, Gerri43\_6, Makima\_7, Mireles\_6, Neuville\_6, Roberts\_6, Studio\_6, TMaxx\_6, TripleC\_9,

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

- LastNadiia\_9,

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

- 

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

Start 2:

- Found in 1 of 16 ( 6.2% ) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LastNadiia\_9 (FR),

### Start 3:

- Found in 16 of 16 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 10 of 11
- Called 93.8% of time when present
- Phage (with cluster) where this start called: Agamoto\_8 (FR), AnnabelLee\_6 (FR), Audell\_9 (FR), CardboardBox\_6 (FR), ChamoyPickle\_6 (FR), ChipsNGuac\_6 (FR), Ezurina\_5 (FR), Gerri43\_6 (FR), Makima\_7 (FR), Mireles\_6 (FR), Neuville\_6 (FR), Roberts\_6 (FR), Studio\_6 (FR), TMaxx\_6 (FR), TripleC\_9 (FR),

### Summary by clusters:

There is one cluster represented in this pham: FR

### Info for manual annotations of cluster FR:

- Start number 2 was manually annotated 1 time for cluster FR.
- Start number 3 was manually annotated 10 times for cluster FR.

### **Gene Information:**

Gene: Agamoto\_8 Start: 7462, Stop: 8025, Start Num: 3

Candidate Starts for Agamoto\_8:

(1, 7297), (Start: 3 @7462 has 10 MA's), (4, 7498), (8, 7633), (12, 7771), (19, 7975),

Gene: AnnabelLee\_6 Start: 4338, Stop: 4859, Start Num: 3

Candidate Starts for AnnabelLee\_6:

(1, 4173), (Start: 3 @4338 has 10 MA's), (4, 4374), (13, 4650), (16, 4701), (18, 4779),

Gene: Audell\_9 Start: 7732, Stop: 8295, Start Num: 3

Candidate Starts for Audell\_9:

(1, 7567), (Start: 3 @7732 has 10 MA's), (4, 7768), (5, 7774), (8, 7903), (10, 7912), (19, 8245),

Gene: CardboardBox\_6 Start: 4338, Stop: 4859, Start Num: 3

Candidate Starts for CardboardBox\_6:

(1, 4173), (Start: 3 @4338 has 10 MA's), (4, 4374), (13, 4650), (16, 4701), (18, 4779),

Gene: ChamoyPickle\_6 Start: 4338, Stop: 4859, Start Num: 3

Candidate Starts for ChamoyPickle\_6:

(1, 4173), (Start: 3 @4338 has 10 MA's), (4, 4374), (13, 4650), (16, 4701), (18, 4779),

Gene: ChipsNGuac\_6 Start: 4338, Stop: 4859, Start Num: 3

Candidate Starts for ChipsNGuac\_6:

(1, 4173), (Start: 3 @4338 has 10 MA's), (4, 4374), (13, 4650), (16, 4701), (18, 4779),

Gene: Ezurina\_5 Start: 3952, Stop: 4473, Start Num: 3

Candidate Starts for Ezurina\_5:

(1, 3787), (Start: 3 @3952 has 10 MA's), (4, 3988), (11, 4228), (13, 4264), (14, 4267), (16, 4315), (18, 4393),

Gene: Gerri43\_6 Start: 4338, Stop: 4859, Start Num: 3

Candidate Starts for Gerri43\_6:

(1, 4173), (Start: 3 @4338 has 10 MA's), (4, 4374), (13, 4650), (16, 4701), (18, 4779),

Gene: LastNadiia\_9 Start: 6642, Stop: 7247, Start Num: 2

Candidate Starts for LastNadiia\_9:

(1, 6519), (Start: 2 @6642 has 1 MA's), (Start: 3 @6684 has 10 MA's), (4, 6720), (5, 6726), (7, 6747), (10, 6864), (12, 6993), (19, 7197),

Gene: Makima\_7 Start: 5797, Stop: 6360, Start Num: 3

Candidate Starts for Makima\_7:

(1, 5632), (Start: 3 @5797 has 10 MA's), (4, 5833), (5, 5839), (9, 5974), (17, 6208), (18, 6238), (19, 6310),

Gene: Mireles\_6 Start: 4203, Stop: 4766, Start Num: 3

Candidate Starts for Mireles\_6:

(1, 4038), (Start: 3 @4203 has 10 MA's), (4, 4239), (5, 4245), (18, 4644), (19, 4716),

Gene: Neuville\_6 Start: 4338, Stop: 4859, Start Num: 3

Candidate Starts for Neuville\_6:

(1, 4173), (Start: 3 @4338 has 10 MA's), (4, 4374), (13, 4650), (16, 4701), (18, 4779),

Gene: Roberts\_6 Start: 4338, Stop: 4859, Start Num: 3

Candidate Starts for Roberts\_6:

(1, 4173), (Start: 3 @4338 has 10 MA's), (4, 4374), (13, 4650), (16, 4701), (18, 4779),

Gene: Studio\_6 Start: 4142, Stop: 4663, Start Num: 3

Candidate Starts for Studio\_6:

(1, 3977), (Start: 3 @4142 has 10 MA's), (4, 4178), (6, 4196), (13, 4454), (15, 4493), (18, 4583),

Gene: TMaxx\_6 Start: 4276, Stop: 4839, Start Num: 3

Candidate Starts for TMaxx\_6:

(1, 4111), (Start: 3 @4276 has 10 MA's), (4, 4312), (8, 4447), (12, 4585), (19, 4789),

Gene: TripleC\_9 Start: 7743, Stop: 8306, Start Num: 3

Candidate Starts for TripleC\_9:

(1, 7578), (Start: 3 @7743 has 10 MA's), (4, 7779), (8, 7914), (12, 8052), (19, 8256),