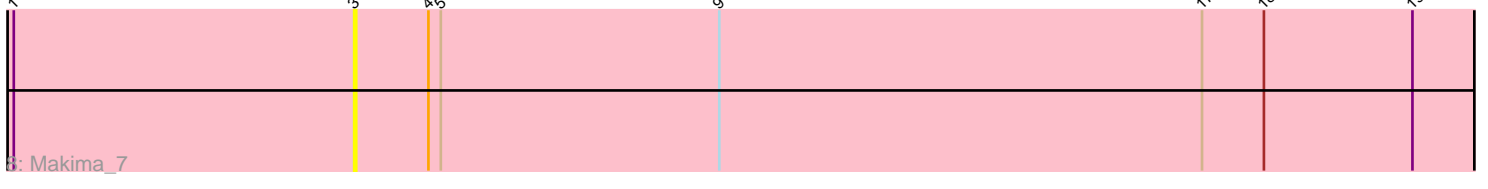
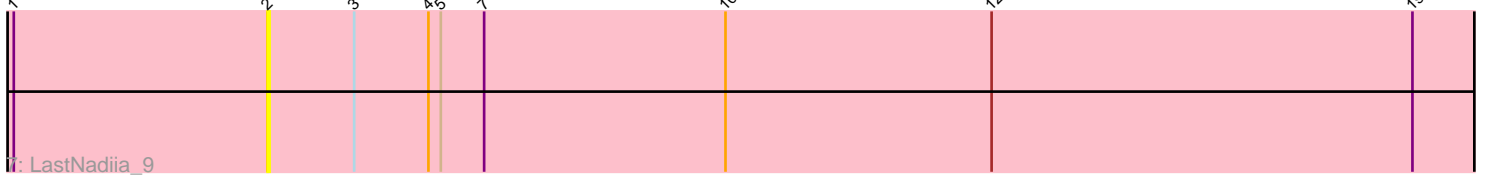
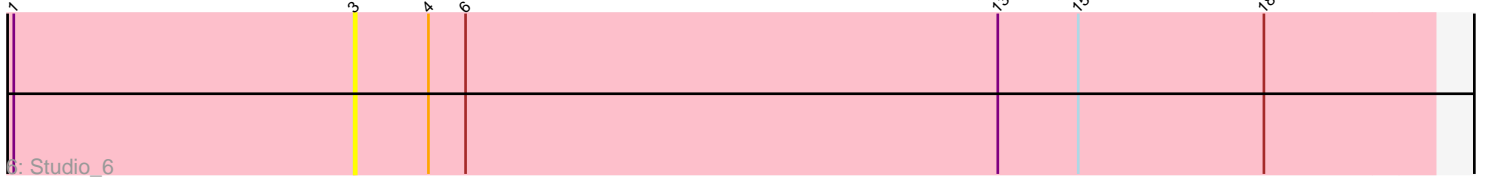
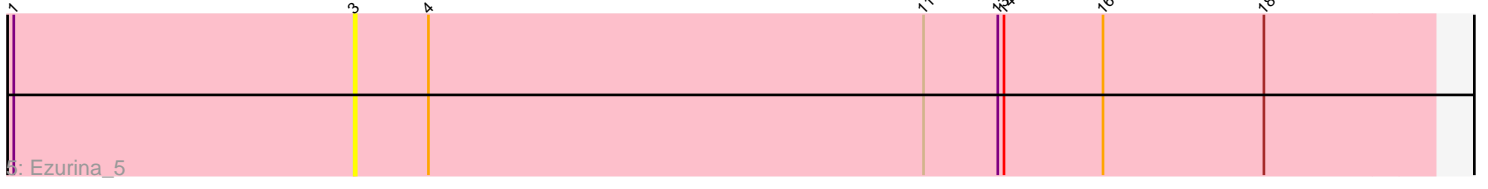
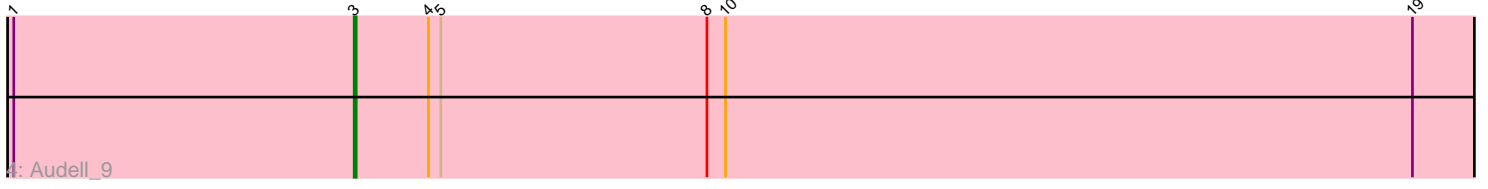
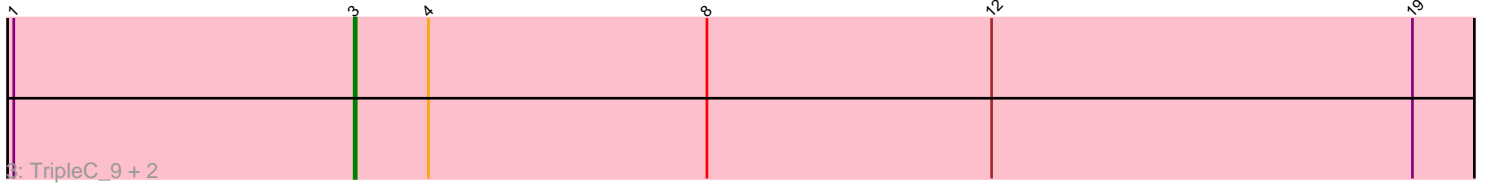
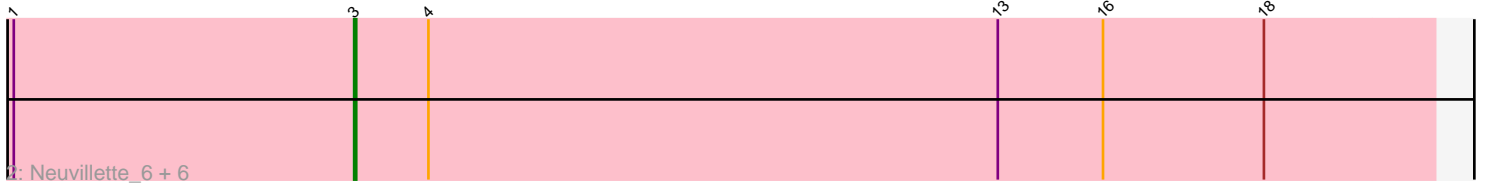
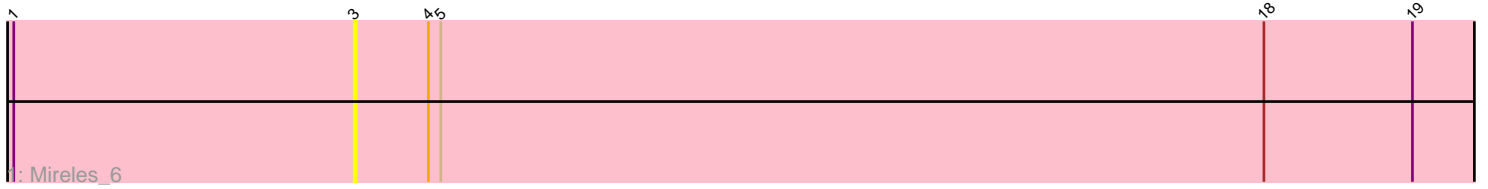


Pham 297042



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 297042 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297042 has 16 members, 13 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 3 of the 3 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
- No Manual Annotations of this start.
- 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: 3 of 3
- 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 3 was manually annotated 3 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 3 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 3 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 3 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 3 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 3 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 3 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 3 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 3 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), (2, 6642), (Start: 3 @6684 has 3 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 3 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 3 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 3 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 3 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 3 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 3 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 3 MA's), (4, 7779), (8, 7914), (12, 8052), (19, 8256),