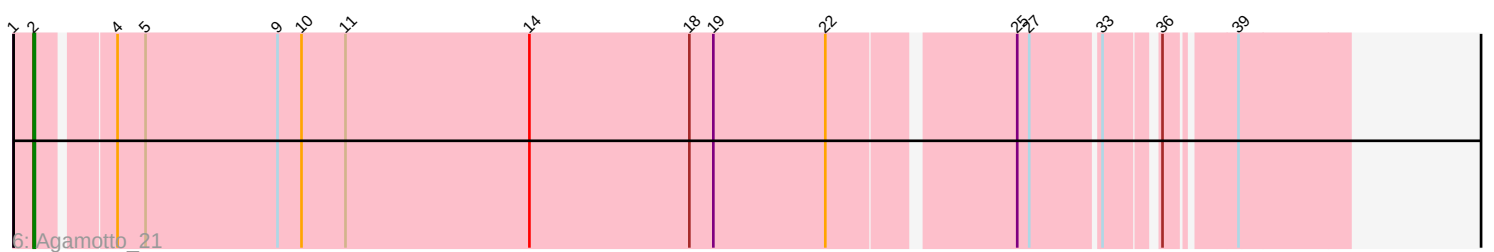
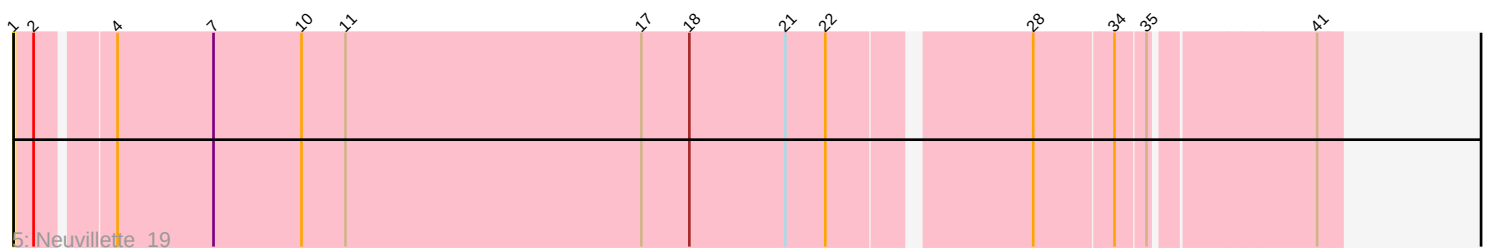
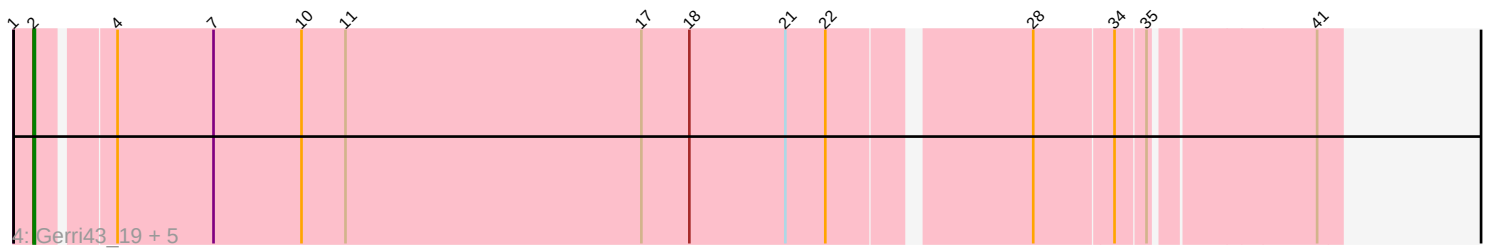
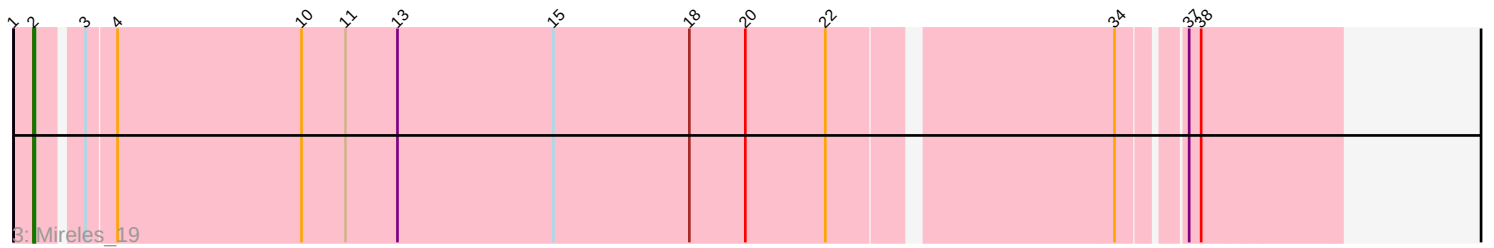
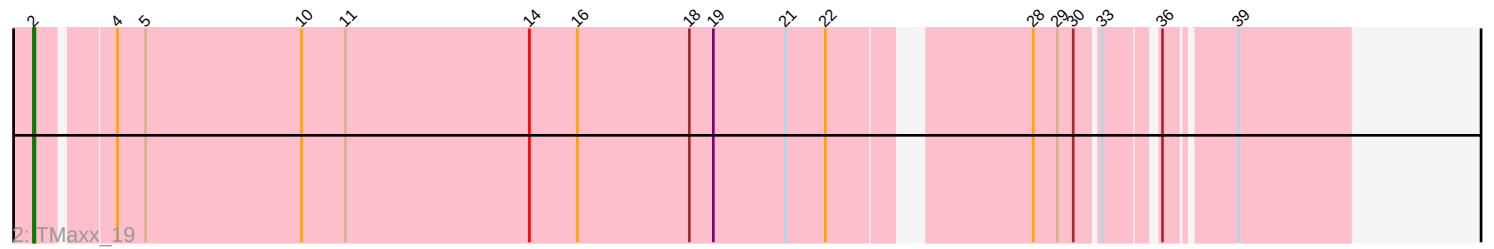
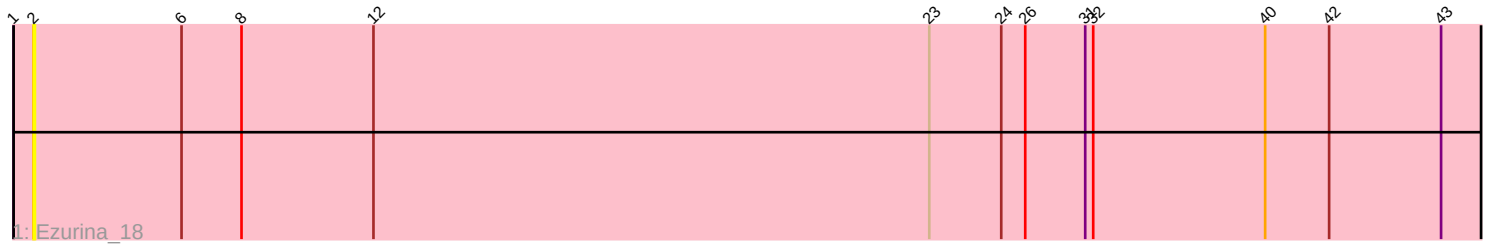


Pham 331459



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 331459 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331459 has 11 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Ezurina_18
- Track 2 : TMaxx_19
- Track 3 : Mireles_19
- Track 4 : Gerri43_19, ChipsNGuac_19, AnnabelleLee_19, Roberts_19, ChamoyPickle_20, CardboardBox_20
- Track 5 : Neuville_19
- Track 6 : Agamotto_21

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agamotto_21, AnnabelleLee_19, CardboardBox_20, ChamoyPickle_20, ChipsNGuac_19, Ezurina_18, Gerri43_19, Mireles_19, Roberts_19, TMaxx_19,

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

- Neuville_19,

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

•

Summary by start number:

Start 1:

- Found in 10 of 11 (90.9%) of genes in pham
- No Manual Annotations of this start.
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Neuville_19 (FR),

Start 2:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7

- Called 90.9% of time when present
- Phage (with cluster) where this start called: Agamotto_21 (FR), AnnabelLee_19 (FR), CardboardBox_20 (FR), ChamoyPickle_20 (FR), ChipsNGuac_19 (FR), Ezurina_18 (FR), Gerri43_19 (FR), Mireles_19 (FR), Roberts_19 (FR), TMaxx_19 (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 7 times for cluster FR.

Gene Information:

Gene: Agamotto_21 Start: 15857, Stop: 16783, Start Num: 2

Candidate Starts for Agamotto_21:

(1, 15842), (Start: 2 @15857 has 7 MA's), (4, 15908), (5, 15929), (9, 16028), (10, 16046), (11, 16079), (14, 16217), (18, 16337), (19, 16355), (22, 16439), (25, 16568), (27, 16577), (33, 16625), (36, 16658), (39, 16703),

Gene: AnnabelLee_19 Start: 12817, Stop: 13746, Start Num: 2

Candidate Starts for AnnabelLee_19:

(1, 12802), (Start: 2 @12817 has 7 MA's), (4, 12868), (7, 12940), (10, 13006), (11, 13039), (17, 13261), (18, 13297), (21, 13369), (22, 13399), (28, 13537), (34, 13594), (35, 13615), (41, 13729),

Gene: CardboardBox_20 Start: 12817, Stop: 13746, Start Num: 2

Candidate Starts for CardboardBox_20:

(1, 12802), (Start: 2 @12817 has 7 MA's), (4, 12868), (7, 12940), (10, 13006), (11, 13039), (17, 13261), (18, 13297), (21, 13369), (22, 13399), (28, 13537), (34, 13594), (35, 13615), (41, 13729),

Gene: ChamoyPickle_20 Start: 12817, Stop: 13746, Start Num: 2

Candidate Starts for ChamoyPickle_20:

(1, 12802), (Start: 2 @12817 has 7 MA's), (4, 12868), (7, 12940), (10, 13006), (11, 13039), (17, 13261), (18, 13297), (21, 13369), (22, 13399), (28, 13537), (34, 13594), (35, 13615), (41, 13729),

Gene: ChipsNGuac_19 Start: 12817, Stop: 13746, Start Num: 2

Candidate Starts for ChipsNGuac_19:

(1, 12802), (Start: 2 @12817 has 7 MA's), (4, 12868), (7, 12940), (10, 13006), (11, 13039), (17, 13261), (18, 13297), (21, 13369), (22, 13399), (28, 13537), (34, 13594), (35, 13615), (41, 13729),

Gene: Ezurina_18 Start: 12389, Stop: 13480, Start Num: 2

Candidate Starts for Ezurina_18:

(1, 12374), (Start: 2 @12389 has 7 MA's), (6, 12500), (8, 12545), (12, 12644), (23, 13061), (24, 13115), (26, 13133), (31, 13178), (32, 13184), (40, 13313), (42, 13361), (43, 13445),

Gene: Gerri43_19 Start: 12817, Stop: 13746, Start Num: 2

Candidate Starts for Gerri43_19:

(1, 12802), (Start: 2 @12817 has 7 MA's), (4, 12868), (7, 12940), (10, 13006), (11, 13039), (17, 13261), (18, 13297), (21, 13369), (22, 13399), (28, 13537), (34, 13594), (35, 13615), (41, 13729),

Gene: Mireles_19 Start: 12581, Stop: 13513, Start Num: 2

Candidate Starts for Mireles_19:

(1, 12566), (Start: 2 @12581 has 7 MA's), (3, 12611), (4, 12632), (10, 12770), (11, 12803), (13, 12842), (15, 12959), (18, 13061), (20, 13103), (22, 13163), (34, 13361), (37, 13403), (38, 13412),

Gene: Neuville_19 Start: 12802, Stop: 13746, Start Num: 1

Candidate Starts for Neuville_19:

(1, 12802), (Start: 2 @12817 has 7 MA's), (4, 12868), (7, 12940), (10, 13006), (11, 13039), (17, 13261), (18, 13297), (21, 13369), (22, 13399), (28, 13537), (34, 13594), (35, 13615), (41, 13729),

Gene: Roberts_19 Start: 12817, Stop: 13746, Start Num: 2

Candidate Starts for Roberts_19:

(1, 12802), (Start: 2 @12817 has 7 MA's), (4, 12868), (7, 12940), (10, 13006), (11, 13039), (17, 13261), (18, 13297), (21, 13369), (22, 13399), (28, 13537), (34, 13594), (35, 13615), (41, 13729),

Gene: TMaxx_19 Start: 12677, Stop: 13591, Start Num: 2

Candidate Starts for TMaxx_19:

(Start: 2 @12677 has 7 MA's), (4, 12728), (5, 12749), (10, 12866), (11, 12899), (14, 13037), (16, 13073), (18, 13157), (19, 13175), (21, 13229), (22, 13259), (28, 13388), (29, 13406), (30, 13418), (33, 13433), (36, 13466), (39, 13511),