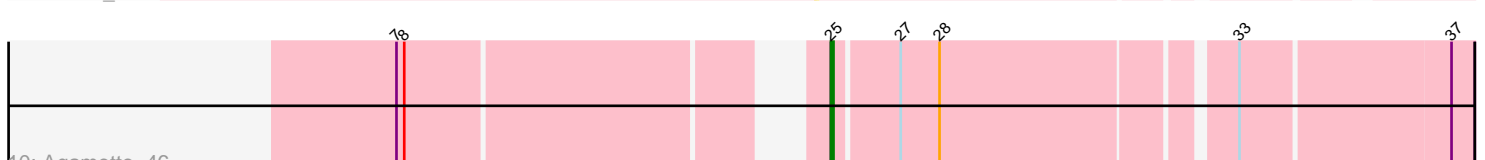
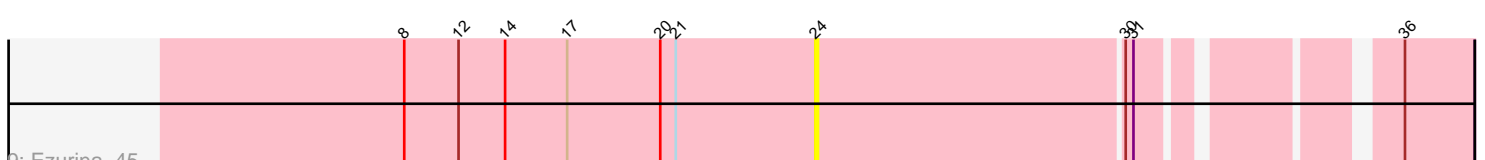
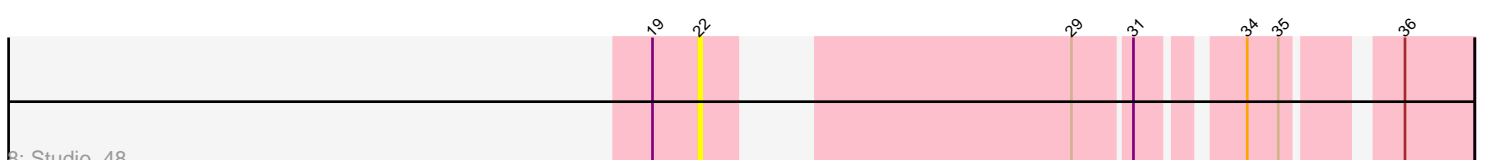
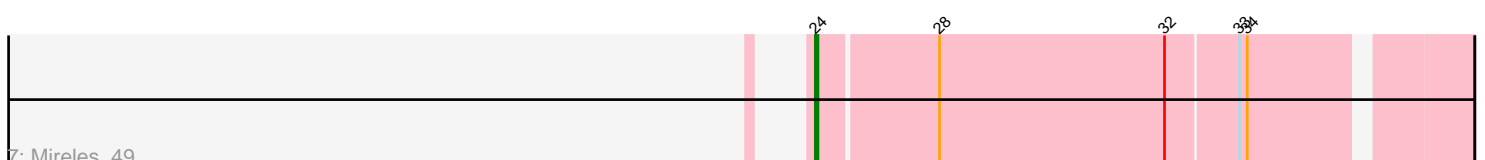
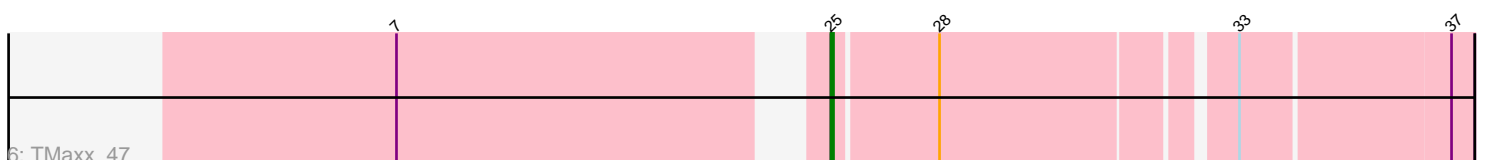
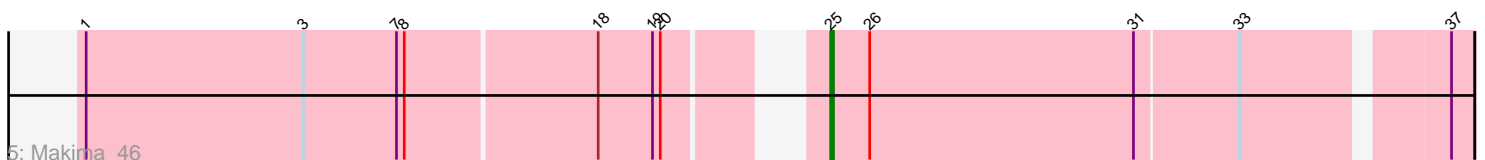
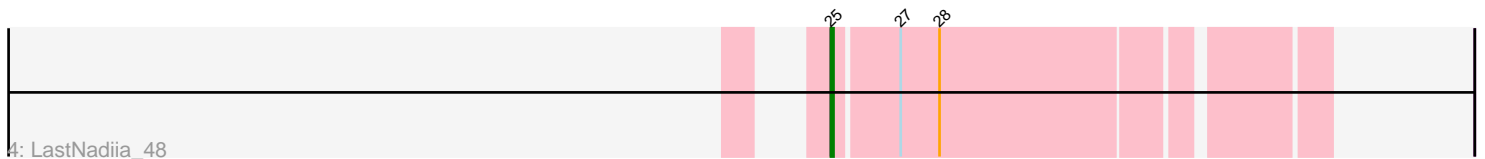
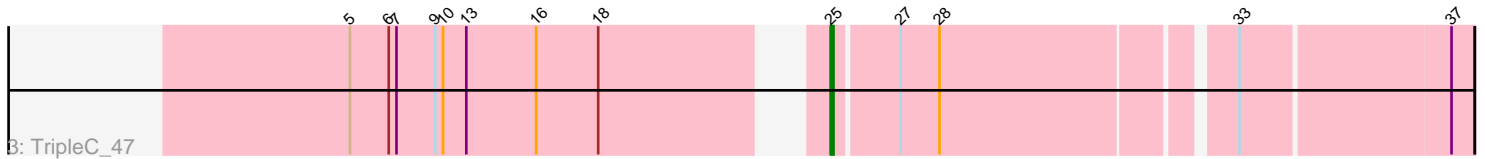
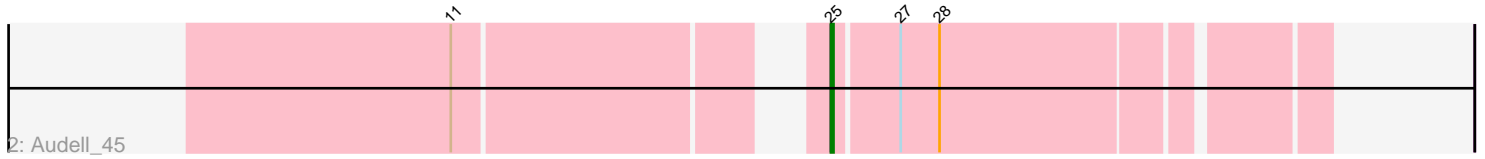
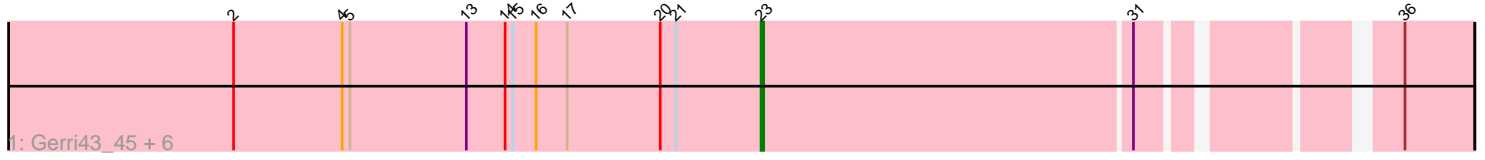


Pham 301858



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 301858 Report

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

Pham number 301858 has 16 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Gerri43_45, ChamoyPickle_47, Roberts_46, CardboardBox_46, AnnabelLee_46, Neuville_45, ChipsNGuac_46
- Track 2 : Audell_45
- Track 3 : TripleC_47
- Track 4 : LastNadiia_48
- Track 5 : Makima_46
- Track 6 : TMaxx_47
- Track 7 : Mireles_49
- Track 8 : Studio_48
- Track 9 : Ezurina_45
- Track 10 : Agamoto_46

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

The start number called the most often in the published annotations is 25, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agamoto_46, Audell_45, LastNadiia_48, Makima_46, TMaxx_47, TripleC_47,

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

-

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

- AnnabelLee_46, CardboardBox_46, ChamoyPickle_47, ChipsNGuac_46, Ezurina_45, Gerri43_45, Mireles_49, Neuville_45, Roberts_46, Studio_48,

Summary by start number:

Start 22:

- 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: Studio_48 (FR),

Start 23:

- Found in 7 of 16 (43.8%) of genes in pham
- Manual Annotations of this start: 4 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnnabelLee_46 (FR), CardboardBox_46 (FR), ChamoyPickle_47 (FR), ChipsNGuac_46 (FR), Gerri43_45 (FR), Neuville_45 (FR), Roberts_46 (FR),

Start 24:

- Found in 2 of 16 (12.5%) 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: Ezurina_45 (FR), Mireles_49 (FR),

Start 25:

- Found in 6 of 16 (37.5%) of genes in pham
- Manual Annotations of this start: 6 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agamoto_46 (FR), Audell_45 (FR), LastNadiia_48 (FR), Makima_46 (FR), TMaxx_47 (FR), TripleC_47 (FR),

Summary by clusters:

There is one cluster represented in this pham: FR

Info for manual annotations of cluster FR:

- Start number 23 was manually annotated 4 times for cluster FR.
- Start number 24 was manually annotated 1 time for cluster FR.
- Start number 25 was manually annotated 6 times for cluster FR.

Gene Information:

Gene: Agamoto_46 Start: 33647, Stop: 33417, Start Num: 25

Candidate Starts for Agamoto_46:

(7, 33788), (8, 33785), (Start: 25 @33647 has 6 MA's), (27, 33623), (28, 33608), (33, 33503), (37, 33425),

Gene: AnnabelLee_46 Start: 30593, Stop: 30345, Start Num: 23

Candidate Starts for AnnabelLee_46:

(2, 30797), (4, 30755), (5, 30752), (13, 30707), (14, 30692), (15, 30689), (16, 30680), (17, 30668), (20, 30632), (21, 30626), (Start: 23 @30593 has 4 MA's), (31, 30452), (36, 30371),

Gene: Audell_45 Start: 33234, Stop: 33058, Start Num: 25

Candidate Starts for Audell_45:

(11, 33354), (Start: 25 @33234 has 6 MA's), (27, 33210), (28, 33195),

Gene: CardboardBox_46 Start: 30596, Stop: 30348, Start Num: 23

Candidate Starts for CardboardBox_46:

(2, 30800), (4, 30758), (5, 30755), (13, 30710), (14, 30695), (15, 30692), (16, 30683), (17, 30671), (20, 30635), (21, 30629), (Start: 23 @30596 has 4 MA's), (31, 30455), (36, 30374),

Gene: ChamoyPickle_47 Start: 31136, Stop: 30888, Start Num: 23

Candidate Starts for ChamoyPickle_47:

(2, 31340), (4, 31298), (5, 31295), (13, 31250), (14, 31235), (15, 31232), (16, 31223), (17, 31211), (20, 31175), (21, 31169), (Start: 23 @31136 has 4 MA's), (31, 30995), (36, 30914),

Gene: ChipsNGuac_46 Start: 30596, Stop: 30348, Start Num: 23

Candidate Starts for ChipsNGuac_46:

(2, 30800), (4, 30758), (5, 30755), (13, 30710), (14, 30695), (15, 30692), (16, 30683), (17, 30671), (20, 30635), (21, 30629), (Start: 23 @30596 has 4 MA's), (31, 30455), (36, 30374),

Gene: Ezurina_45 Start: 31659, Stop: 31432, Start Num: 24

Candidate Starts for Ezurina_45:

(8, 31818), (12, 31797), (14, 31779), (17, 31755), (20, 31719), (21, 31713), (Start: 24 @31659 has 1 MA's), (30, 31542), (31, 31539), (36, 31458),

Gene: Gerri43_45 Start: 30596, Stop: 30348, Start Num: 23

Candidate Starts for Gerri43_45:

(2, 30800), (4, 30758), (5, 30755), (13, 30710), (14, 30695), (15, 30692), (16, 30683), (17, 30671), (20, 30635), (21, 30629), (Start: 23 @30596 has 4 MA's), (31, 30455), (36, 30374),

Gene: LastNadiia_48 Start: 33200, Stop: 33024, Start Num: 25

Candidate Starts for LastNadiia_48:

(Start: 25 @33200 has 6 MA's), (27, 33176), (28, 33161),

Gene: Makima_46 Start: 32323, Stop: 32087, Start Num: 25

Candidate Starts for Makima_46:

(1, 32584), (3, 32500), (7, 32464), (8, 32461), (18, 32389), (19, 32368), (20, 32365), (Start: 25 @32323 has 6 MA's), (26, 32308), (31, 32206), (33, 32167), (37, 32095),

Gene: Mireles_49 Start: 31880, Stop: 31641, Start Num: 24

Candidate Starts for Mireles_49:

(Start: 24 @31880 has 1 MA's), (28, 31835), (32, 31748), (33, 31721), (34, 31718),

Gene: Neuville_45 Start: 30596, Stop: 30348, Start Num: 23

Candidate Starts for Neuville_45:

(2, 30800), (4, 30758), (5, 30755), (13, 30710), (14, 30695), (15, 30692), (16, 30683), (17, 30671), (20, 30635), (21, 30629), (Start: 23 @30596 has 4 MA's), (31, 30455), (36, 30374),

Gene: Roberts_46 Start: 30596, Stop: 30348, Start Num: 23

Candidate Starts for Roberts_46:

(2, 30800), (4, 30758), (5, 30755), (13, 30710), (14, 30695), (15, 30692), (16, 30683), (17, 30671), (20, 30635), (21, 30629), (Start: 23 @30596 has 4 MA's), (31, 30455), (36, 30374),

Gene: Studio_48 Start: 31948, Stop: 31706, Start Num: 22

Candidate Starts for Studio_48:

(19, 31966), (22, 31948), (29, 31834), (31, 31813), (34, 31780), (35, 31768), (36, 31732),

Gene: TMaxx_47 Start: 31510, Stop: 31280, Start Num: 25

Candidate Starts for TMaxx_47:

(7, 31657), (Start: 25 @31510 has 6 MA's), (28, 31471), (33, 31366), (37, 31288),

Gene: TripleC_47 Start: 33825, Stop: 33595, Start Num: 25

Candidate Starts for TripleC_47:

(5, 33990), (6, 33975), (7, 33972), (9, 33957), (10, 33954), (13, 33945), (16, 33918), (18, 33894),
(Start: 25 @33825 has 6 MA's), (27, 33801), (28, 33786), (33, 33681), (37, 33603),