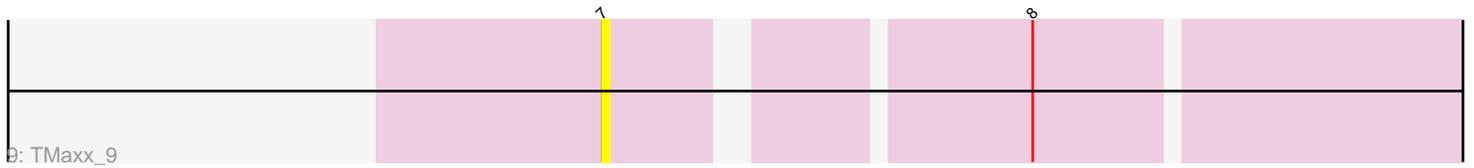
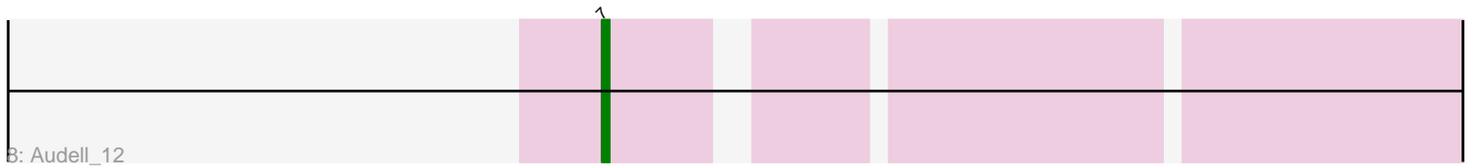
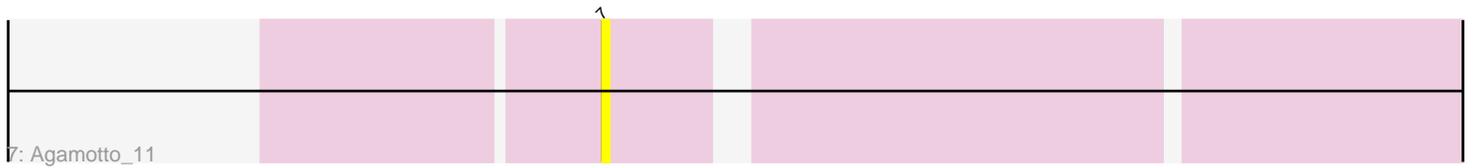
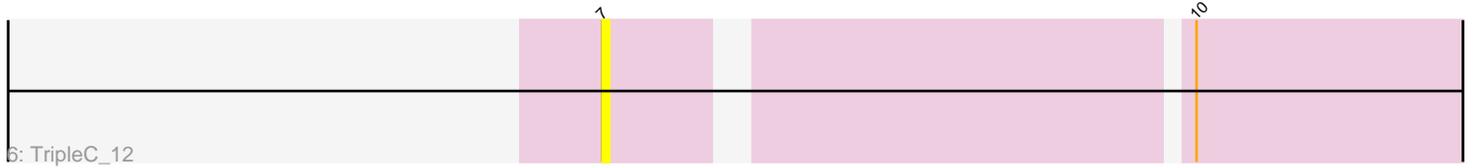
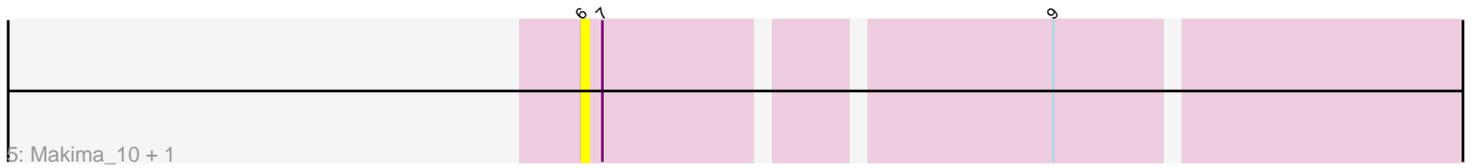
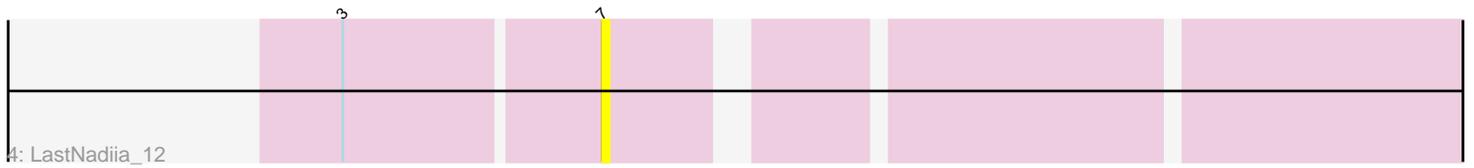
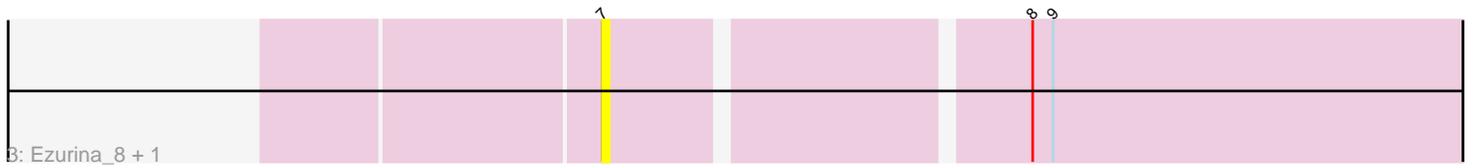
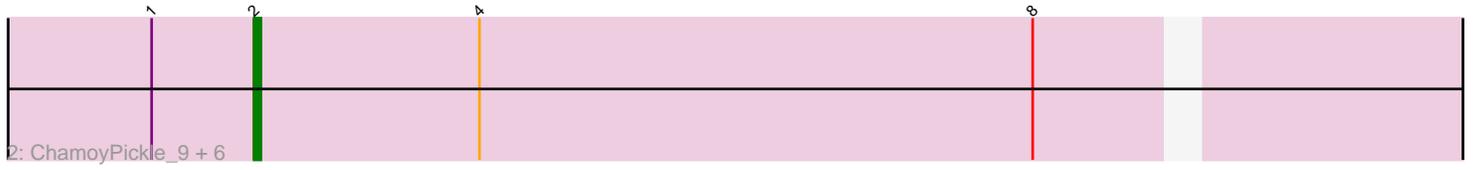
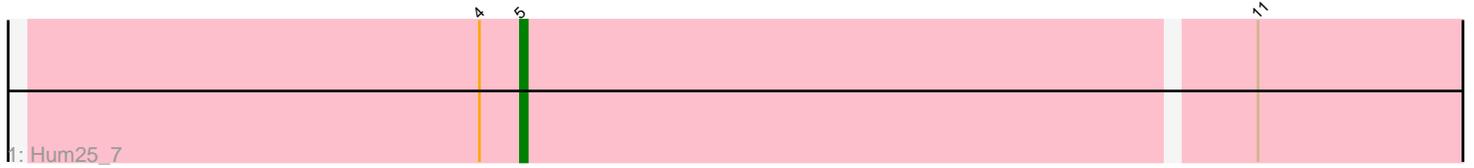


Pham 291613



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 291613 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291613 has 17 members, 14 are drafts.

Phages represented in each track:

- Track 1 : Hum25_7
- Track 2 : ChamoyPickle_9, CardboardBox_9, Roberts_9, Neuville_9, ChipsNGuac_9, Gerri43_9, Annabelle_9
- Track 3 : Ezurina_8, Studio_9
- Track 4 : LastNadiia_12
- Track 5 : Makima_10, Mireles_9
- Track 6 : TripleC_12
- Track 7 : Agamotto_11
- Track 8 : Audell_12
- Track 9 : TMaxx_9

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

The start number called the most often in the published annotations is 5, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Hum25_7,

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

-

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

- Agamotto_11, Annabelle_9, Audell_12, CardboardBox_9, ChamoyPickle_9, ChipsNGuac_9, Ezurina_8, Gerri43_9, LastNadiia_12, Makima_10, Mireles_9, Neuville_9, Roberts_9, Studio_9, TMaxx_9, TripleC_12,

Summary by start number:

Start 2:

- Found in 7 of 17 (41.2%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present

- Phage (with cluster) where this start called: AnnabelLee_9 (FR), CardboardBox_9 (FR), ChamoyPickle_9 (FR), ChipsNGuac_9 (FR), Gerri43_9 (FR), Neuville_9 (FR), Roberts_9 (FR),

Start 5:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hum25_7 (FQ),

Start 6:

- Found in 2 of 17 (11.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Makima_10 (FR), Mireles_9 (FR),

Start 7:

- Found in 9 of 17 (52.9%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 77.8% of time when present
- Phage (with cluster) where this start called: Agamoto_11 (FR), Audell_12 (FR), Ezurina_8 (FR), LastNadiia_12 (FR), Studio_9 (FR), TMaxx_9 (FR), TripleC_12 (FR),

Summary by clusters:

There are 2 clusters represented in this pham: FQ, FR,

Info for manual annotations of cluster FQ:

- Start number 5 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster FR:

- Start number 2 was manually annotated 1 time for cluster FR.
- Start number 7 was manually annotated 1 time for cluster FR.

Gene Information:

Gene: Agamoto_11 Start: 9608, Stop: 9748, Start Num: 7

Candidate Starts for Agamoto_11:

(Start: 7 @9608 has 1 MA's),

Gene: AnnabelLee_9 Start: 6472, Stop: 6666, Start Num: 2

Candidate Starts for AnnabelLee_9:

(1, 6457), (Start: 2 @6472 has 1 MA's), (4, 6505), (8, 6586),

Gene: Audell_12 Start: 9884, Stop: 10021, Start Num: 7

Candidate Starts for Audell_12:

(Start: 7 @9884 has 1 MA's),

Gene: CardboardBox_9 Start: 6472, Stop: 6666, Start Num: 2

Candidate Starts for CardboardBox_9:

(1, 6457), (Start: 2 @6472 has 1 MA's), (4, 6505), (8, 6586),

Gene: ChamoyPickle_9 Start: 6472, Stop: 6666, Start Num: 2
Candidate Starts for ChamoyPickle_9:
(1, 6457), (Start: 2 @6472 has 1 MA's), (4, 6505), (8, 6586),

Gene: ChipsNGuac_9 Start: 6472, Stop: 6666, Start Num: 2
Candidate Starts for ChipsNGuac_9:
(1, 6457), (Start: 2 @6472 has 1 MA's), (4, 6505), (8, 6586),

Gene: Ezurina_8 Start: 6088, Stop: 6231, Start Num: 7
Candidate Starts for Ezurina_8:
(Start: 7 @6088 has 1 MA's), (8, 6145), (9, 6148),

Gene: Gerri43_9 Start: 6472, Stop: 6666, Start Num: 2
Candidate Starts for Gerri43_9:
(1, 6457), (Start: 2 @6472 has 1 MA's), (4, 6505), (8, 6586),

Gene: Hum25_7 Start: 5931, Stop: 6089, Start Num: 5
Candidate Starts for Hum25_7:
(4, 5925), (Start: 5 @5931 has 1 MA's), (11, 6036),

Gene: LastNadiia_12 Start: 8833, Stop: 8970, Start Num: 7
Candidate Starts for LastNadiia_12:
(3, 8797), (Start: 7 @8833 has 1 MA's),

Gene: Makima_10 Start: 7916, Stop: 8059, Start Num: 6
Candidate Starts for Makima_10:
(6, 7916), (Start: 7 @7919 has 1 MA's), (9, 7979),

Gene: Mireles_9 Start: 6316, Stop: 6459, Start Num: 6
Candidate Starts for Mireles_9:
(6, 6316), (Start: 7 @6319 has 1 MA's), (9, 6379),

Gene: Neuville_9 Start: 6472, Stop: 6666, Start Num: 2
Candidate Starts for Neuville_9:
(1, 6457), (Start: 2 @6472 has 1 MA's), (4, 6505), (8, 6586),

Gene: Roberts_9 Start: 6472, Stop: 6666, Start Num: 2
Candidate Starts for Roberts_9:
(1, 6457), (Start: 2 @6472 has 1 MA's), (4, 6505), (8, 6586),

Gene: Studio_9 Start: 6279, Stop: 6422, Start Num: 7
Candidate Starts for Studio_9:
(Start: 7 @6279 has 1 MA's), (8, 6336), (9, 6339),

Gene: TMaxx_9 Start: 6419, Stop: 6556, Start Num: 7
Candidate Starts for TMaxx_9:
(Start: 7 @6419 has 1 MA's), (8, 6473),

Gene: TripleC_12 Start: 9899, Stop: 10039, Start Num: 7
Candidate Starts for TripleC_12:
(Start: 7 @9899 has 1 MA's), (10, 9977),