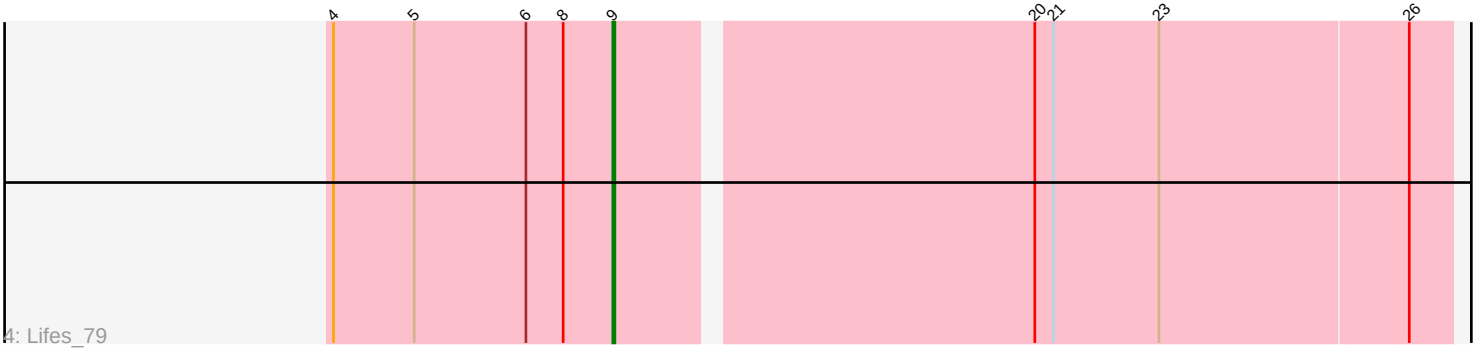
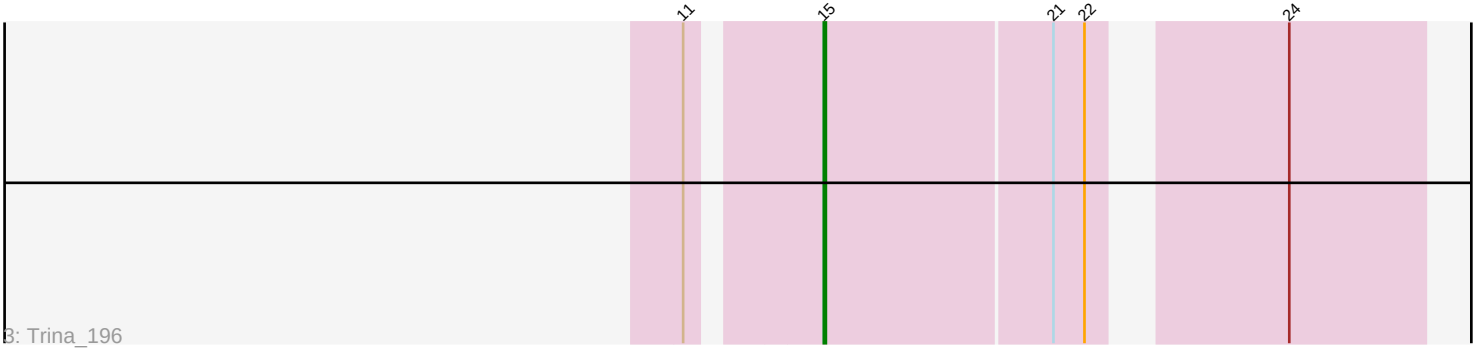
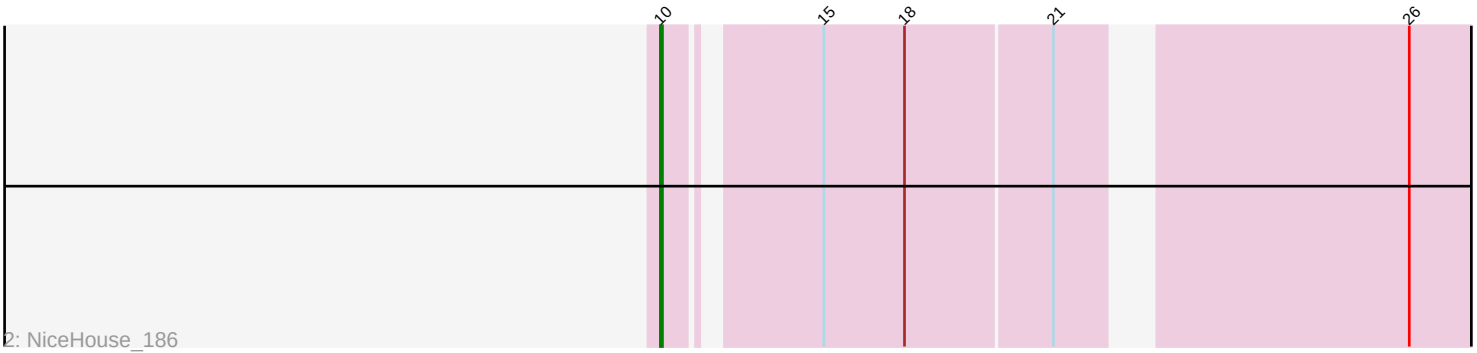
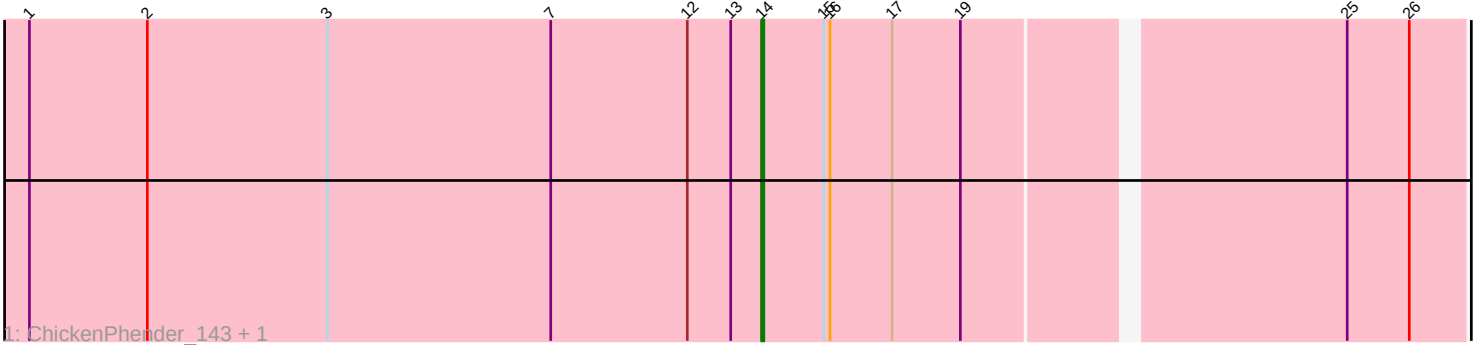


Pham 310217



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 310217 Report

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

Pham number 310217 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : ChickenPhender_143, Bowman_148
- Track 2 : NiceHouse_186
- Track 3 : Trina_196
- Track 4 : Lifes_79

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

The start number called the most often in the published annotations is 14, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bowman_148, ChickenPhender_143,

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

-

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

- Lifes_79, NiceHouse_186, Trina_196,

Summary by start number:

Start 9:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lifes_79 (GB),

Start 10:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: NiceHouse_186 (CE),

Start 14:

- Found in 2 of 5 (40.0%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bowman_148 (C1), ChickenPhender_143 (C1),

Start 15:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Trina_196 (CE),

Summary by clusters:

There are 3 clusters represented in this pham: C1, GB, CE,

Info for manual annotations of cluster C1:

- Start number 14 was manually annotated 2 times for cluster C1.

Info for manual annotations of cluster CE:

- Start number 10 was manually annotated 1 time for cluster CE.
- Start number 15 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster GB:

- Start number 9 was manually annotated 1 time for cluster GB.

Gene Information:

Gene: Bowman_148 Start: 88878, Stop: 89201, Start Num: 14

Candidate Starts for Bowman_148:

(1, 88524), (2, 88581), (3, 88668), (7, 88776), (12, 88842), (13, 88863), (Start: 14 @88878 has 2 MA's), (Start: 15 @88908 has 1 MA's), (16, 88911), (17, 88941), (19, 88974), (25, 89145), (26, 89175),

Gene: ChickenPhender_143 Start: 88076, Stop: 88399, Start Num: 14

Candidate Starts for ChickenPhender_143:

(1, 87722), (2, 87779), (3, 87866), (7, 87974), (12, 88040), (13, 88061), (Start: 14 @88076 has 2 MA's), (Start: 15 @88106 has 1 MA's), (16, 88109), (17, 88139), (19, 88172), (25, 88343), (26, 88373),

Gene: Lifes_79 Start: 45050, Stop: 44661, Start Num: 9

Candidate Starts for Lifes_79:

(4, 45185), (5, 45146), (6, 45092), (8, 45074), (Start: 9 @45050 has 1 MA's), (20, 44858), (21, 44849), (23, 44798), (26, 44681),

Gene: NiceHouse_186 Start: 104673, Stop: 105086, Start Num: 10

Candidate Starts for NiceHouse_186:

(Start: 10 @104673 has 1 MA's), (Start: 15 @104733 has 1 MA's), (18, 104772), (21, 104841), (26, 104988),

Gene: Trina_196 Start: 106304, Stop: 106567, Start Num: 15

Candidate Starts for Trina_196:

(11, 106250), (Start: 15 @106304 has 1 MA's), (21, 106412), (22, 106427), (24, 106502),

