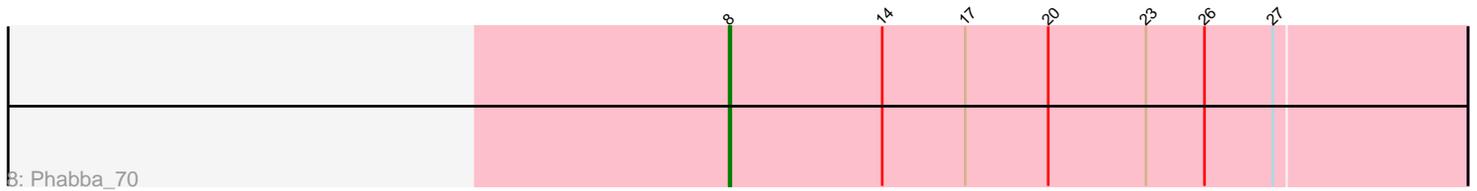
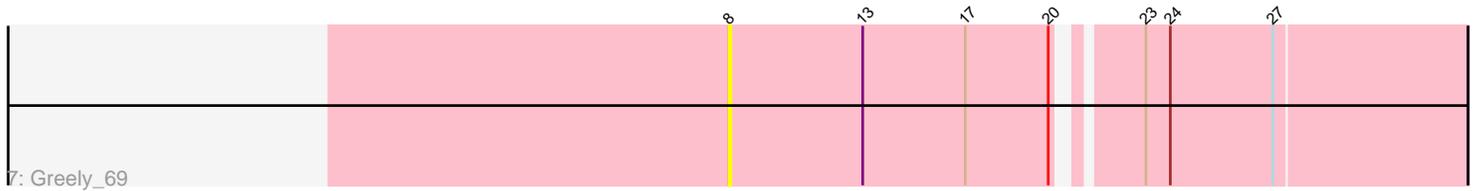
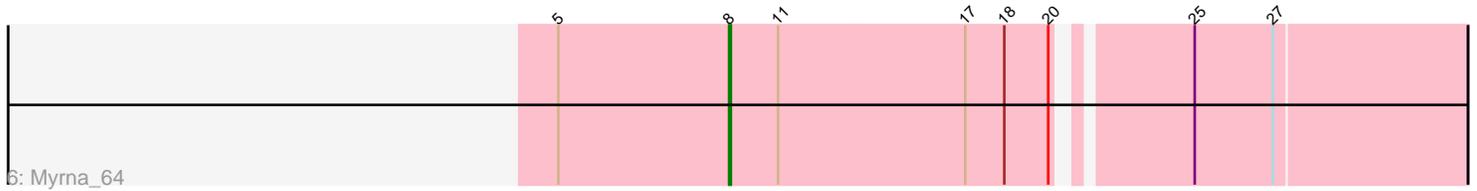
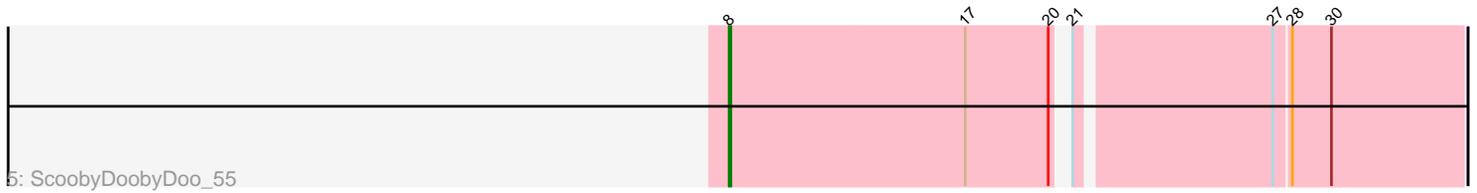
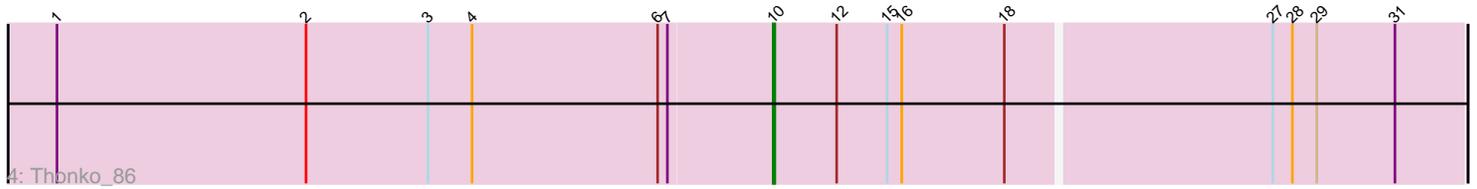
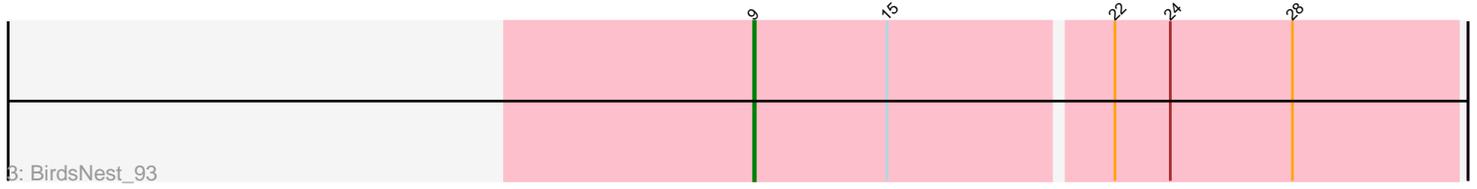
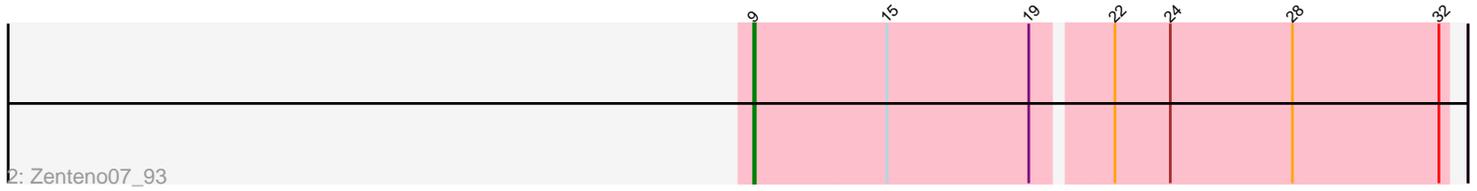
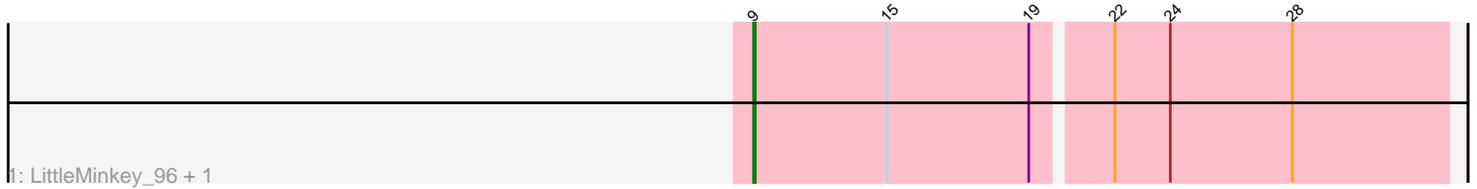


Pham 284444



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 284444 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284444 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : LittleMinkey_96, Hashim76_90
- Track 2 : Zenteno07_93
- Track 3 : BirdsNest_93
- Track 4 : Thonko_86
- Track 5 : ScoobyDoobyDoo_55
- Track 6 : Myrna_64
- Track 7 : Greely_69
- Track 8 : Phabba_70

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

The start number called the most often in the published annotations is 9, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BirdsNest_93, Hashim76_90, LittleMinkey_96, Zenteno07_93,

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

-

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

- Greely_69, Myrna_64, Phabba_70, ScoobyDoobyDoo_55, Thonko_86,

Summary by start number:

Start 8:

- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Greely_69 (C2), Myrna_64 (C2), Phabba_70 (C2), ScoobyDoobyDoo_55 (C2),

Start 9:

- Found in 4 of 9 (44.4%) of genes in pham

- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdsNest_93 (B13), Hashim76_90 (B13), LittleMinkey_96 (B13), Zenteno07_93 (B13),

Start 10:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Thonko_86 (B8),

Summary by clusters:

There are 3 clusters represented in this pham: C2, B8, B13,

Info for manual annotations of cluster B13:

- Start number 9 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B8:

- Start number 10 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster C2:

- Start number 8 was manually annotated 3 times for cluster C2.

Gene Information:

Gene: BirdsNest_93 Start: 66573, Stop: 66154, Start Num: 9

Candidate Starts for BirdsNest_93:

(Start: 9 @66573 has 3 MA's), (15, 66492), (22, 66363), (24, 66330), (28, 66255),

Gene: Greely_69 Start: 25152, Stop: 25580, Start Num: 8

Candidate Starts for Greely_69:

(Start: 8 @25152 has 3 MA's), (13, 25233), (17, 25296), (20, 25347), (23, 25386), (24, 25401), (27, 25464),

Gene: Hashim76_90 Start: 66062, Stop: 65649, Start Num: 9

Candidate Starts for Hashim76_90:

(Start: 9 @66062 has 3 MA's), (15, 65981), (19, 65894), (22, 65852), (24, 65819), (28, 65744),

Gene: LittleMinkey_96 Start: 66537, Stop: 66124, Start Num: 9

Candidate Starts for LittleMinkey_96:

(Start: 9 @66537 has 3 MA's), (15, 66456), (19, 66369), (22, 66327), (24, 66294), (28, 66219),

Gene: Myrna_64 Start: 24516, Stop: 24944, Start Num: 8

Candidate Starts for Myrna_64:

(5, 24411), (Start: 8 @24516 has 3 MA's), (11, 24546), (17, 24660), (18, 24684), (20, 24711), (25, 24780), (27, 24828),

Gene: Phabba_70 Start: 24981, Stop: 25430, Start Num: 8

Candidate Starts for Phabba_70:

(Start: 8 @24981 has 3 MA's), (14, 25074), (17, 25125), (20, 25176), (23, 25236), (26, 25272), (27, 25314),

Gene: ScoobyDoobyDoo_55 Start: 19568, Stop: 19993, Start Num: 8

Candidate Starts for ScoobyDoobyDoo_55:

(Start: 8 @19568 has 3 MA's), (17, 19712), (20, 19763), (21, 19766), (27, 19880), (28, 19889), (30, 19913),

Gene: Thonko_86 Start: 63155, Stop: 62742, Start Num: 10

Candidate Starts for Thonko_86:

(1, 63593), (2, 63440), (3, 63365), (4, 63338), (6, 63224), (7, 63218), (Start: 10 @63155 has 1 MA's), (12, 63116), (15, 63086), (16, 63077), (18, 63014), (27, 62858), (28, 62846), (29, 62831), (31, 62783),

Gene: Zenteno07_93 Start: 66203, Stop: 65790, Start Num: 9

Candidate Starts for Zenteno07_93:

(Start: 9 @66203 has 3 MA's), (15, 66122), (19, 66035), (22, 65993), (24, 65960), (28, 65885), (32, 65795),