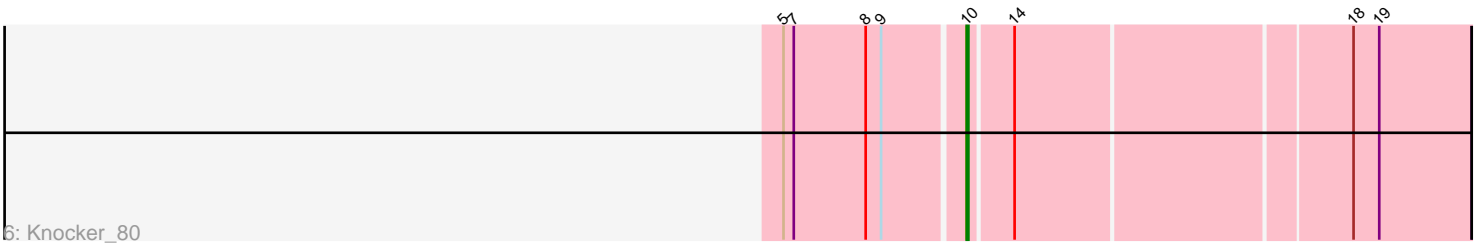
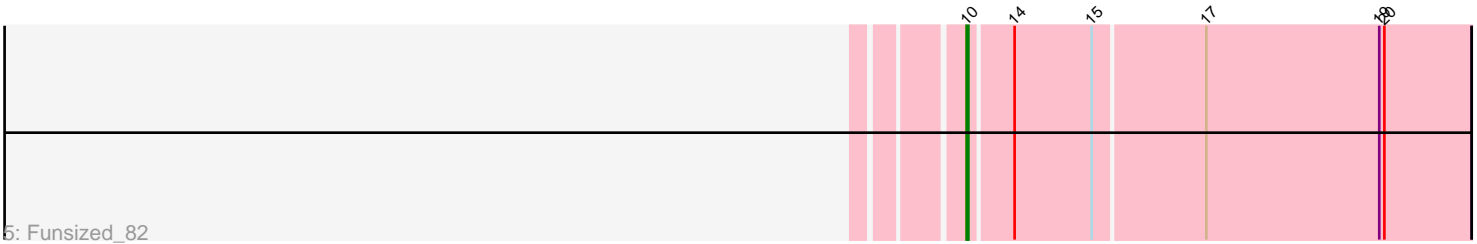
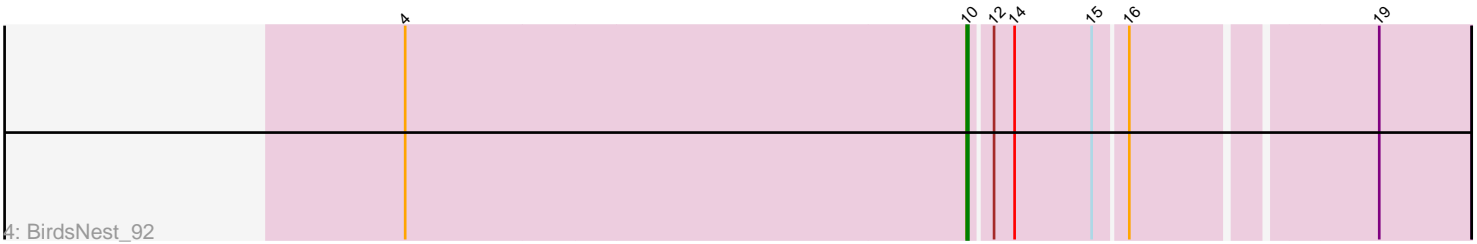
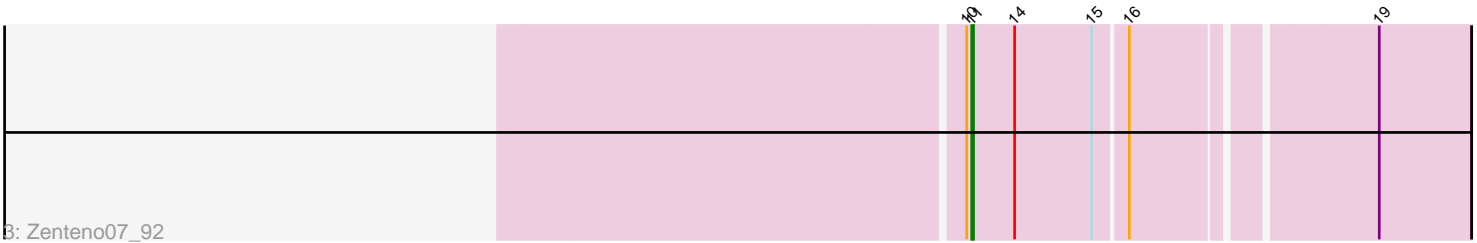
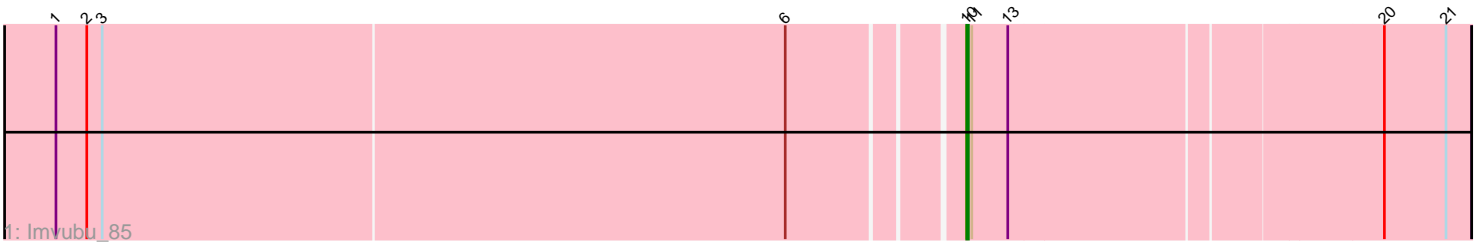


Pham 253031



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 253031 Report

This analysis was run 02/07/26 on database version 634.

Pham number 253031 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Imvubu_85
- Track 2 : LittleMinkey_95
- Track 3 : Zenteno07_92
- Track 4 : BirdsNest_92
- Track 5 : Funsized_82
- Track 6 : Knocker_80

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BirdsNest_92, Funsized_82, Imvubu_85, Knocker_80,

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

- Zenteno07_92,

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

- LittleMinkey_95,

Summary by start number:

Start 10:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 80.0% of time when present
- Phage (with cluster) where this start called: BirdsNest_92 (B13), Funsized_82 (B9), Imvubu_85 (B10), Knocker_80 (B9),

Start 11:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 66.7% of time when present

- Phage (with cluster) where this start called: LittleMinkey_95 (B13), Zenteno07_92 (B13),

Summary by clusters:

There are 3 clusters represented in this pham: B13, B10, B9,

Info for manual annotations of cluster B10:

- Start number 10 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B13:

- Start number 10 was manually annotated 1 time for cluster B13.
- Start number 11 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B9:

- Start number 10 was manually annotated 2 times for cluster B9.

Gene Information:

Gene: BirdsNest_92 Start: 66157, Stop: 65885, Start Num: 10

Candidate Starts for BirdsNest_92:

(4, 66481), (Start: 10 @66157 has 4 MA's), (12, 66145), (14, 66133), (15, 66088), (16, 66070), (19, 65938),

Gene: Funsized_82 Start: 66262, Stop: 65978, Start Num: 10

Candidate Starts for Funsized_82:

(Start: 10 @66262 has 4 MA's), (14, 66238), (15, 66193), (17, 66130), (19, 66031), (20, 66028),

Gene: Imvubu_85 Start: 64146, Stop: 63865, Start Num: 10

Candidate Starts for Imvubu_85:

(1, 64662), (2, 64644), (3, 64635), (6, 64239), (Start: 10 @64146 has 4 MA's), (Start: 11 @64143 has 1 MA's), (13, 64122), (20, 63915), (21, 63879),

Gene: Klocker_80 Start: 64557, Stop: 64279, Start Num: 10

Candidate Starts for Klocker_80:

(5, 64659), (7, 64653), (8, 64611), (9, 64602), (Start: 10 @64557 has 4 MA's), (14, 64533), (18, 64347), (19, 64332),

Gene: LittleMinkey_95 Start: 66124, Stop: 65858, Start Num: 11

Candidate Starts for LittleMinkey_95:

(4, 66445), (Start: 11 @66124 has 1 MA's), (16, 66040), (19, 65911),

Gene: Zenteno07_92 Start: 65790, Stop: 65521, Start Num: 11

Candidate Starts for Zenteno07_92:

(Start: 10 @65793 has 4 MA's), (Start: 11 @65790 has 1 MA's), (14, 65766), (15, 65721), (16, 65703), (19, 65574),