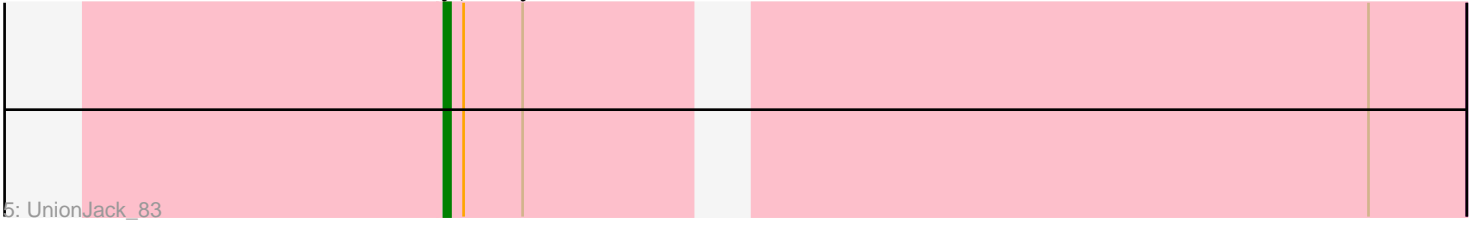
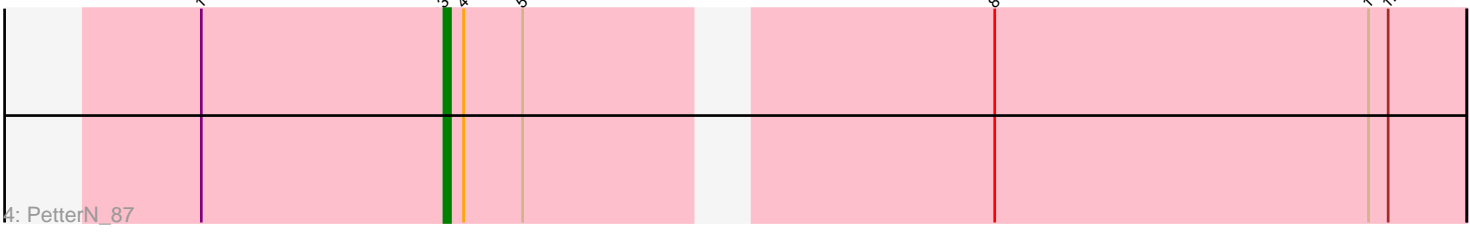
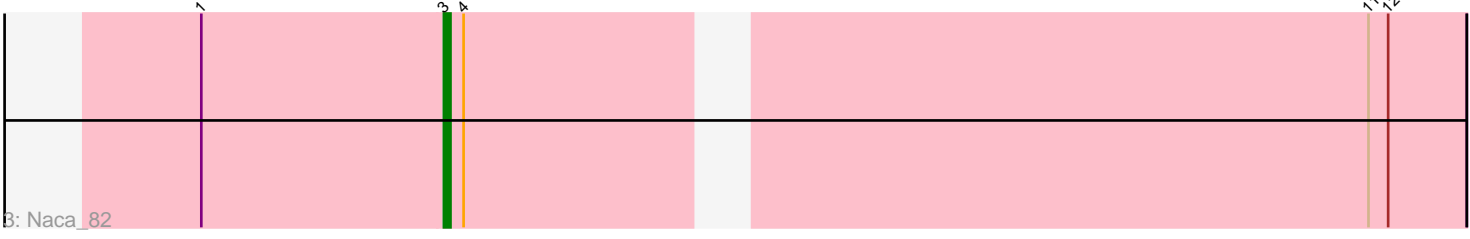
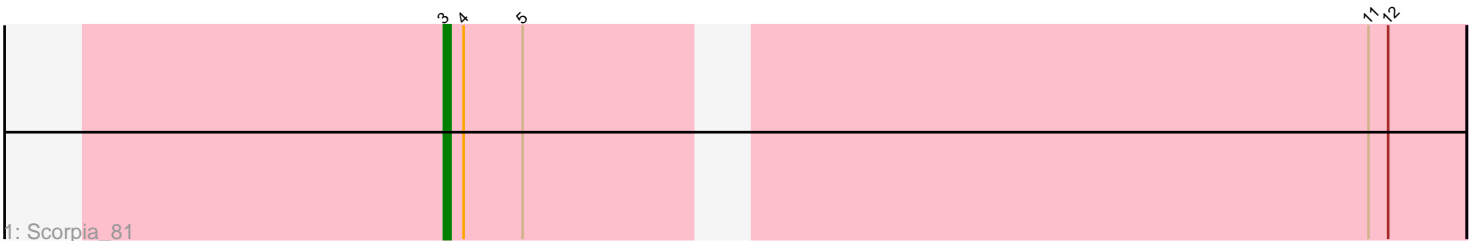


Pham 107163



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 107163 Report

This analysis was run 03/30/24 on database version 556.

Pham number 107163 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Scorpia_81
- Track 2 : Swirley_81
- Track 3 : Naca_82
- Track 4 : PetterN_87
- Track 5 : UnionJack_83
- Track 6 : Yecey3_93

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Naca_82, PetterN_87, Scorpia_81, UnionJack_83, Yecey3_93,

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

-

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

- Swirley_81,

Summary by start number:

Start 3:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Naca_82 (A5), PetterN_87 (A5), Scorpia_81 (A5), UnionJack_83 (A5), Yecey3_93 (A9),

Start 4:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 20.0% of time when present

- Phage (with cluster) where this start called: Swirley_81 (A5),

Summary by clusters:

There are 2 clusters represented in this pham: A9, A5,

Info for manual annotations of cluster A5:

- Start number 3 was manually annotated 4 times for cluster A5.
- Start number 4 was manually annotated 1 time for cluster A5.

Info for manual annotations of cluster A9:

- Start number 3 was manually annotated 1 time for cluster A9.

Gene Information:

Gene: Naca_82 Start: 47209, Stop: 47063, Start Num: 3

Candidate Starts for Naca_82:

(1, 47245), (Start: 3 @47209 has 5 MA's), (Start: 4 @47206 has 1 MA's), (11, 47077), (12, 47074),

Gene: PetterN_87 Start: 46996, Stop: 46850, Start Num: 3

Candidate Starts for PetterN_87:

(1, 47032), (Start: 3 @46996 has 5 MA's), (Start: 4 @46993 has 1 MA's), (5, 46984), (8, 46921), (11, 46864), (12, 46861),

Gene: Scorpia_81 Start: 46567, Stop: 46421, Start Num: 3

Candidate Starts for Scorpia_81:

(Start: 3 @46567 has 5 MA's), (Start: 4 @46564 has 1 MA's), (5, 46555), (11, 46435), (12, 46432),

Gene: Swirley_81 Start: 46940, Stop: 46800, Start Num: 4

Candidate Starts for Swirley_81:

(Start: 4 @46940 has 1 MA's), (11, 46814),

Gene: UnionJack_83 Start: 46400, Stop: 46254, Start Num: 3

Candidate Starts for UnionJack_83:

(Start: 3 @46400 has 5 MA's), (Start: 4 @46397 has 1 MA's), (5, 46388), (11, 46268),

Gene: Yecey3_93 Start: 49369, Stop: 49217, Start Num: 3

Candidate Starts for Yecey3_93:

(2, 49381), (Start: 3 @49369 has 5 MA's), (6, 49315), (7, 49312), (9, 49279), (10, 49240),