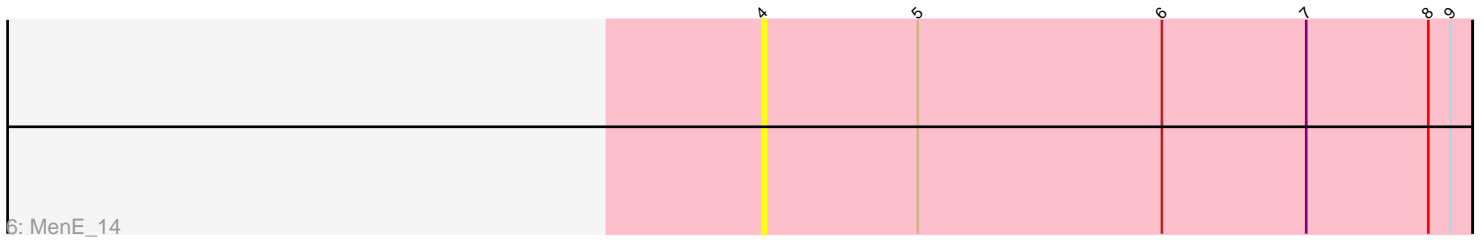
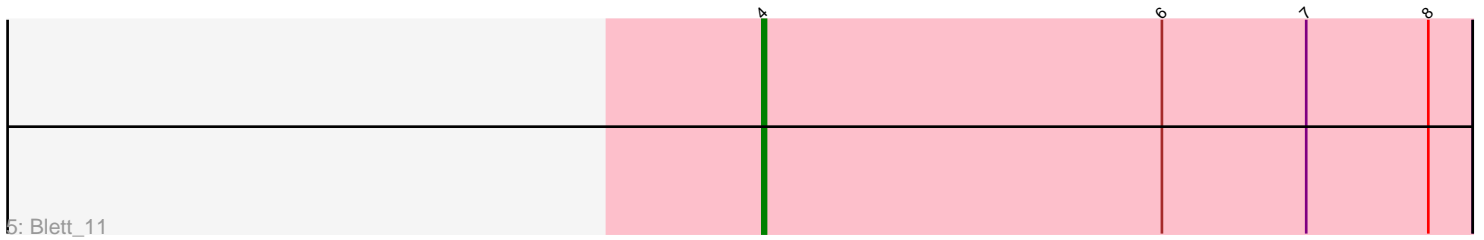
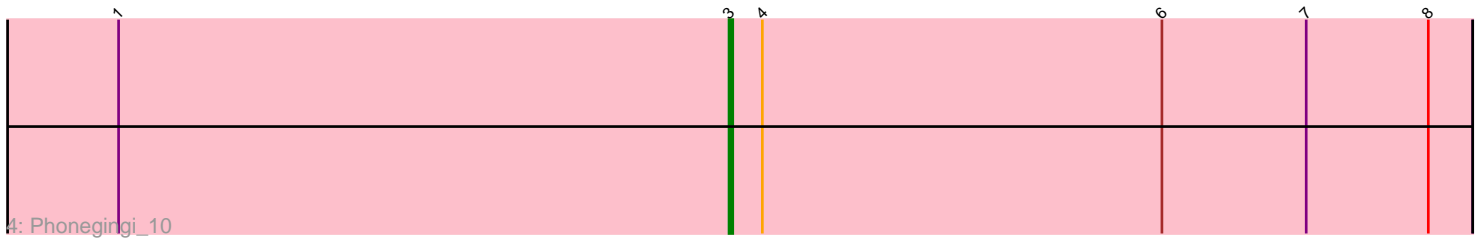
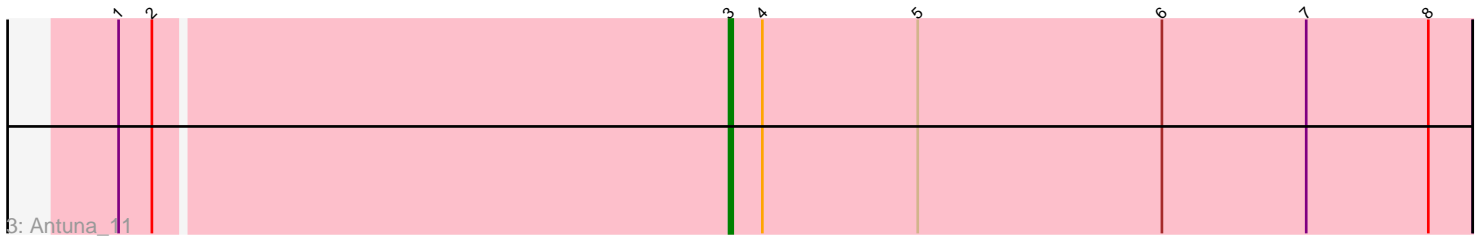
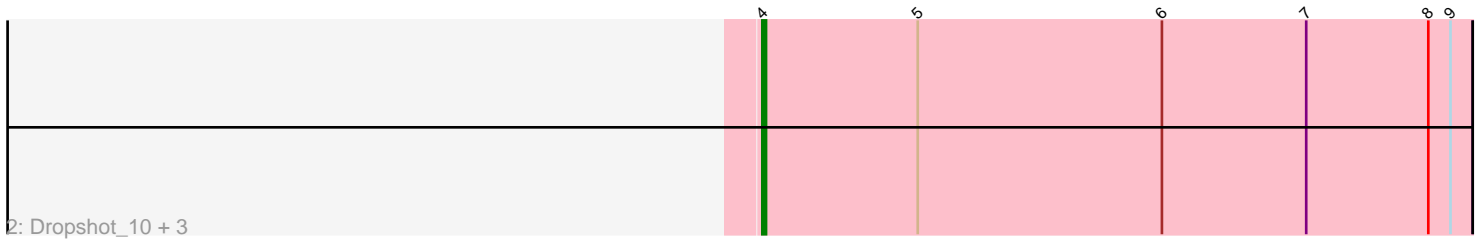
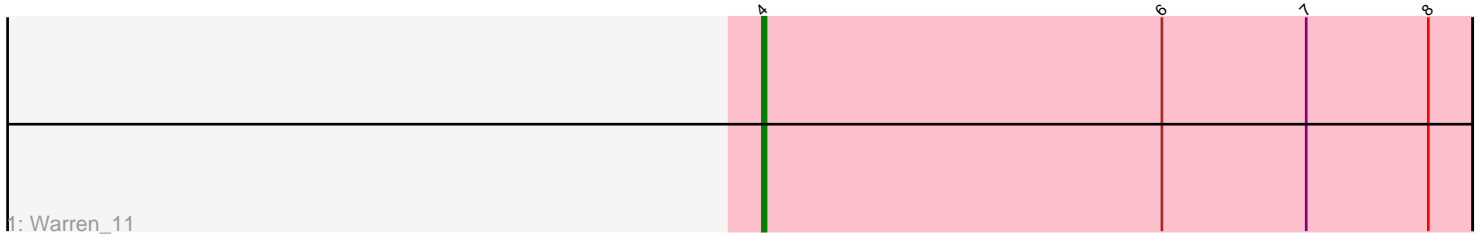


Pham 8957



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 8957 Report

This analysis was run 07/09/24 on database version 566.

Pham number 8957 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Warren_11
- Track 2 : Dropshot_10, Bush_11, Appa_10, Pickles13_10
- Track 3 : Antuna_11
- Track 4 : Phonegingi_10
- Track 5 : Blett_11
- Track 6 : MenE_14

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Appa_10, Blett_11, Bush_11, Dropshot_10, MenE_14, Pickles13_10, Warren_11,

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

- Antuna_11, Phonegingi_10,

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

-

Summary by start number:

Start 3:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antuna_11 (GA), Phonegingi_10 (GA),

Start 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 77.8% of time when present

- Phage (with cluster) where this start called: Appa_10 (GA), Blett_11 (GA), Bush_11 (GA), Dropshot_10 (GA), MenE_14 (GA), Pickles13_10 (GA), Warren_11 (GA),

Summary by clusters:

There is one cluster represented in this pham: GA

Info for manual annotations of cluster GA:

- Start number 3 was manually annotated 2 times for cluster GA.
- Start number 4 was manually annotated 6 times for cluster GA.

Gene Information:

Gene: Antuna_11 Start: 5949, Stop: 6149, Start Num: 3

Candidate Starts for Antuna_11:

(1, 5787), (2, 5796), (Start: 3 @5949 has 2 MA's), (Start: 4 @5958 has 6 MA's), (5, 6000), (6, 6066), (7, 6105), (8, 6138),

Gene: Appa_10 Start: 5821, Stop: 6012, Start Num: 4

Candidate Starts for Appa_10:

(Start: 4 @5821 has 6 MA's), (5, 5863), (6, 5929), (7, 5968), (8, 6001), (9, 6007),

Gene: Blett_11 Start: 5972, Stop: 6163, Start Num: 4

Candidate Starts for Blett_11:

(Start: 4 @5972 has 6 MA's), (6, 6080), (7, 6119), (8, 6152),

Gene: Bush_11 Start: 5965, Stop: 6156, Start Num: 4

Candidate Starts for Bush_11:

(Start: 4 @5965 has 6 MA's), (5, 6007), (6, 6073), (7, 6112), (8, 6145), (9, 6151),

Gene: Dropshot_10 Start: 5821, Stop: 6012, Start Num: 4

Candidate Starts for Dropshot_10:

(Start: 4 @5821 has 6 MA's), (5, 5863), (6, 5929), (7, 5968), (8, 6001), (9, 6007),

Gene: MenE_14 Start: 6086, Stop: 6277, Start Num: 4

Candidate Starts for MenE_14:

(Start: 4 @6086 has 6 MA's), (5, 6128), (6, 6194), (7, 6233), (8, 6266), (9, 6272),

Gene: Phonegingi_10 Start: 5806, Stop: 6006, Start Num: 3

Candidate Starts for Phonegingi_10:

(1, 5641), (Start: 3 @5806 has 2 MA's), (Start: 4 @5815 has 6 MA's), (6, 5923), (7, 5962), (8, 5995),

Gene: Pickles13_10 Start: 5958, Stop: 6149, Start Num: 4

Candidate Starts for Pickles13_10:

(Start: 4 @5958 has 6 MA's), (5, 6000), (6, 6066), (7, 6105), (8, 6138), (9, 6144),

Gene: Warren_11 Start: 6000, Stop: 6191, Start Num: 4

Candidate Starts for Warren_11:

(Start: 4 @6000 has 6 MA's), (6, 6108), (7, 6147), (8, 6180),