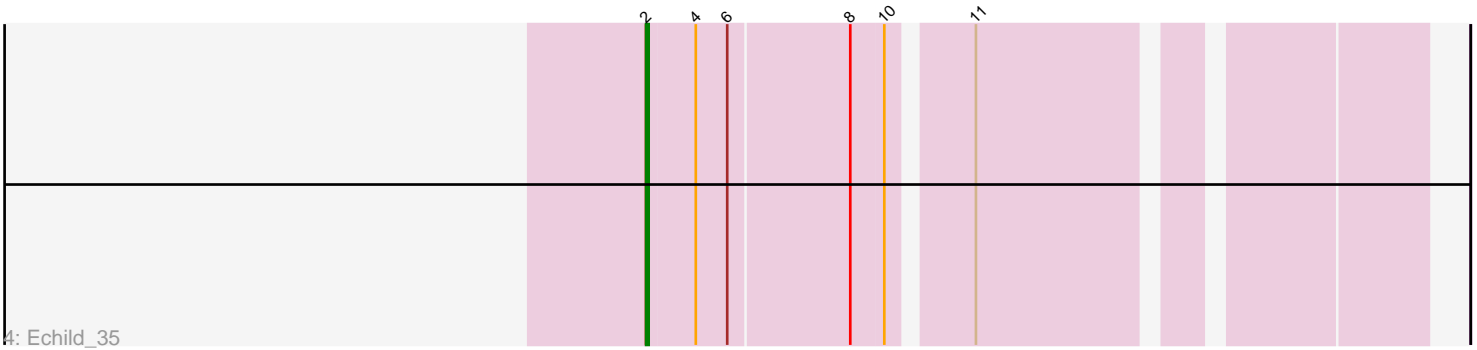
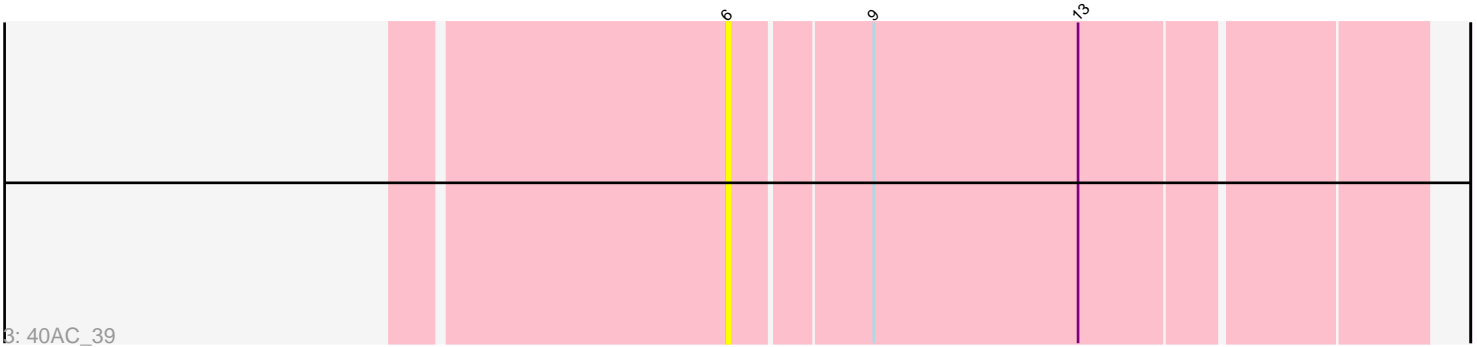
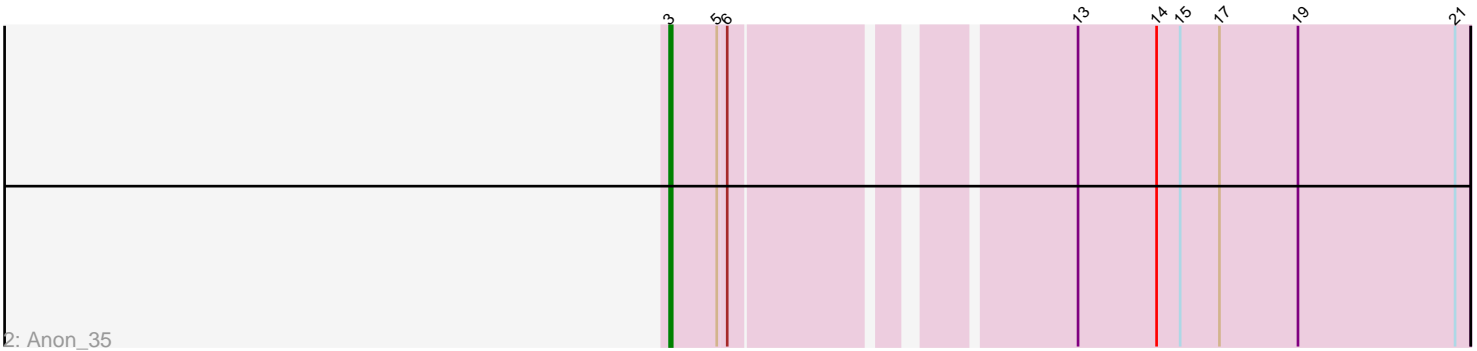
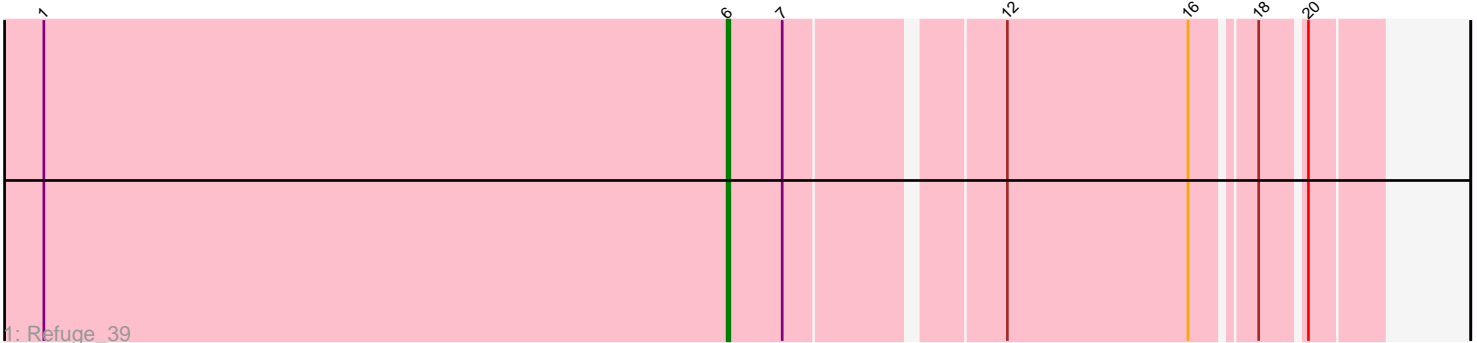


Pham 9973



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 9973 Report

This analysis was run 04/28/24 on database version 559.

Pham number 9973 has 4 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Refuge_39
- Track 2 : Anon_35
- Track 3 : 40AC_39
- Track 4 : Echild_35

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

The start number called the most often in the published annotations is 6, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 40AC_39, Refuge_39,

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

- Anon_35, Echild_35,

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

-

Summary by start number:

Start 2:

- Found in 1 of 4 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Echild_35 (A2),

Start 3:

- Found in 1 of 4 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anon_35 (A15),

Start 6:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 50.0% of time when present
- Phage (with cluster) where this start called: 40AC_39 (A17), Refuge_39 (A12),

Summary by clusters:

There are 4 clusters represented in this pham: A15, A17, A2, A12,

Info for manual annotations of cluster A12:

- Start number 6 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A15:

- Start number 3 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A2:

- Start number 2 was manually annotated 1 time for cluster A2.

Gene Information:

Gene: 40AC_39 Start: 28962, Stop: 29216, Start Num: 6

Candidate Starts for 40AC_39:

(Start: 6 @28962 has 1 MA's), (9, 29013), (13, 29091),

Gene: Anon_35 Start: 25193, Stop: 25477, Start Num: 3

Candidate Starts for Anon_35:

(Start: 3 @25193 has 1 MA's), (5, 25211), (Start: 6 @25214 has 1 MA's), (13, 25328), (14, 25358), (15, 25367), (17, 25382), (19, 25412), (21, 25472),

Gene: Echld_35 Start: 26632, Stop: 26898, Start Num: 2

Candidate Starts for Echld_35:

(Start: 2 @26632 has 1 MA's), (4, 26650), (Start: 6 @26662 has 1 MA's), (8, 26707), (10, 26719), (11, 26746),

Gene: Refuge_39 Start: 29447, Stop: 29674, Start Num: 6

Candidate Starts for Refuge_39:

(1, 29186), (Start: 6 @29447 has 1 MA's), (7, 29468), (12, 29543), (16, 29612), (18, 29633), (20, 29648),