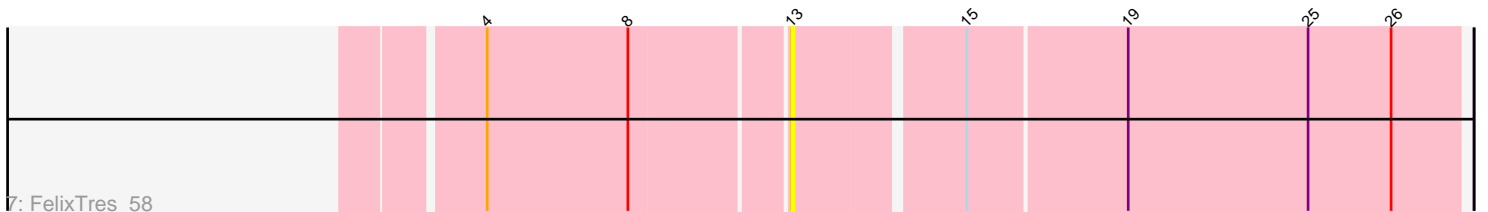
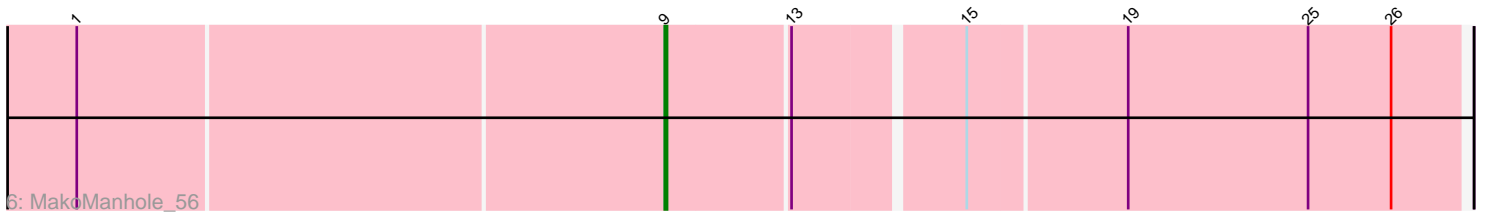
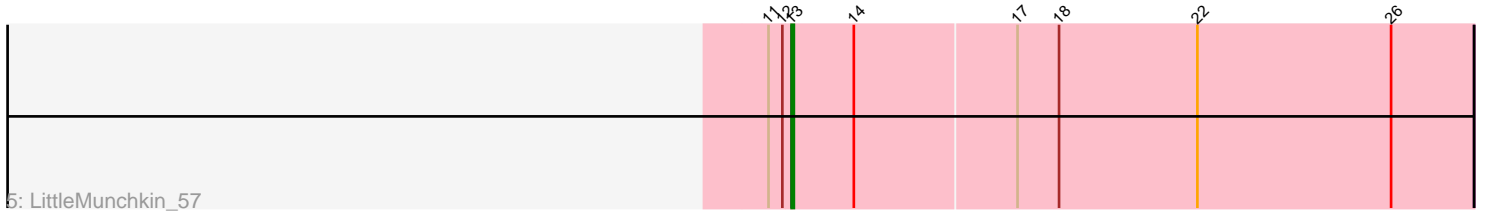
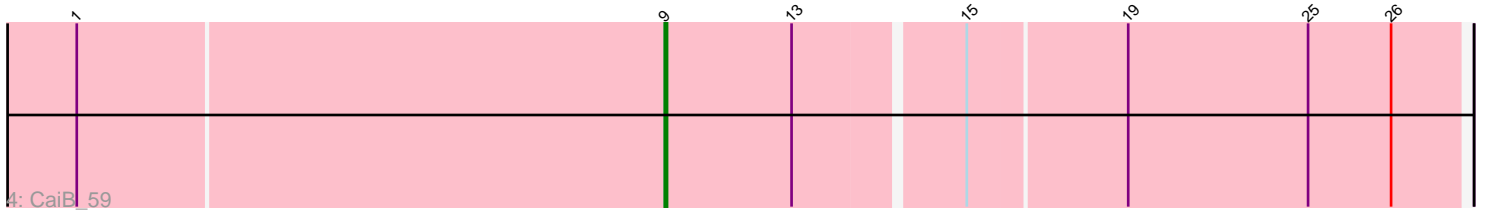
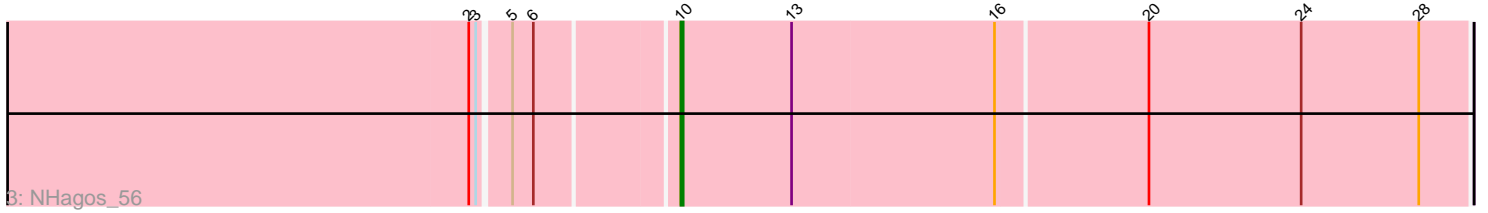
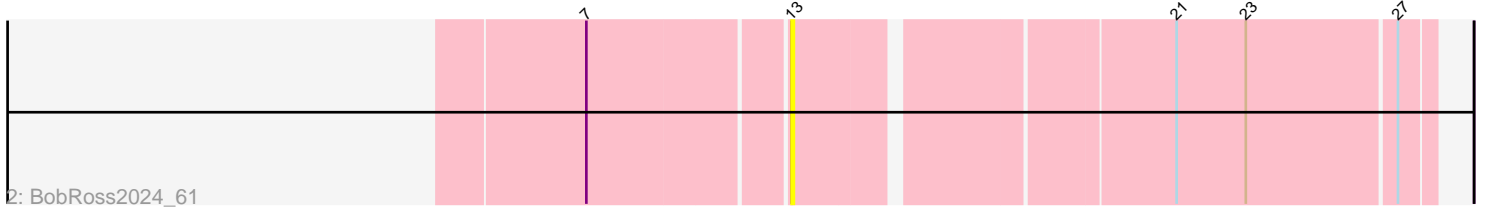
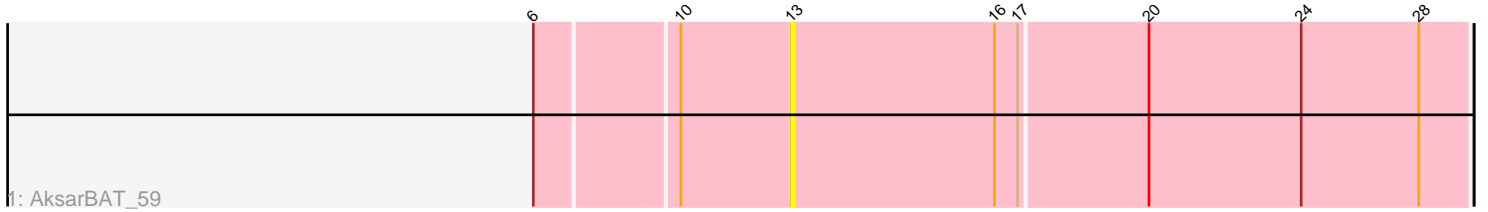


Pham 295424



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 295424 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295424 has 7 members, 3 are drafts.

Phages represented in each track:

- Track 1 : AksarBAT_59
- Track 2 : BobRoss2024_61
- Track 3 : NHagos_56
- Track 4 : CaiB_59
- Track 5 : LittleMunchkin_57
- Track 6 : MakoManhole_56
- Track 7 : FelixTres_58

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 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CaiB_59, MakoManhole_56,

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

-

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

- AksarBAT_59, BobRoss2024_61, FelixTres_58, LittleMunchkin_57, NHagos_56,

Summary by start number:

Start 9:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CaiB_59 (DR), MakoManhole_56 (DR),

Start 10:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 50.0% of time when present

- Phage (with cluster) where this start called: NHagos_56 (DR),

Start 13:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 57.1% of time when present
- Phage (with cluster) where this start called: AksarBAT_59 (DR), BobRoss2024_61 (DR), FelixTres_58 (DR), LittleMunchkin_57 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:

- Start number 9 was manually annotated 2 times for cluster DR.
- Start number 10 was manually annotated 1 time for cluster DR.
- Start number 13 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: AksarBAT_59 Start: 49709, Stop: 49422, Start Num: 13

Candidate Starts for AksarBAT_59:

(6, 49814), (Start: 10 @49757 has 1 MA's), (Start: 13 @49709 has 1 MA's), (16, 49622), (17, 49613), (20, 49559), (24, 49493), (28, 49442),

Gene: BobRoss2024_61 Start: 49662, Stop: 49405, Start Num: 13

Candidate Starts for BobRoss2024_61:

(7, 49743), (Start: 13 @49662 has 1 MA's), (21, 49512), (23, 49482), (27, 49419),

Gene: CaiB_59 Start: 50677, Stop: 50345, Start Num: 9

Candidate Starts for CaiB_59:

(1, 50929), (Start: 9 @50677 has 2 MA's), (Start: 13 @50623 has 1 MA's), (15, 50554), (19, 50488), (25, 50410), (26, 50374),

Gene: FelixTres_58 Start: 49690, Stop: 49412, Start Num: 13

Candidate Starts for FelixTres_58:

(4, 49813), (8, 49753), (Start: 13 @49690 has 1 MA's), (15, 49621), (19, 49555), (25, 49477), (26, 49441),

Gene: LittleMunchkin_57 Start: 50529, Stop: 50236, Start Num: 13

Candidate Starts for LittleMunchkin_57:

(11, 50538), (12, 50532), (Start: 13 @50529 has 1 MA's), (14, 50502), (17, 50433), (18, 50415), (22, 50355), (26, 50271),

Gene: MakoManhole_56 Start: 49198, Stop: 48869, Start Num: 9

Candidate Starts for MakoManhole_56:

(1, 49447), (Start: 9 @49198 has 2 MA's), (Start: 13 @49147 has 1 MA's), (15, 49078), (19, 49012), (25, 48934), (26, 48898),

Gene: NHagos_56 Start: 48117, Stop: 47782, Start Num: 10

Candidate Starts for NHagos_56:

(2, 48198), (3, 48195), (5, 48183), (6, 48174), (Start: 10 @48117 has 1 MA's), (Start: 13 @48069 has 1 MA's), (16, 47982), (20, 47919), (24, 47853), (28, 47802),