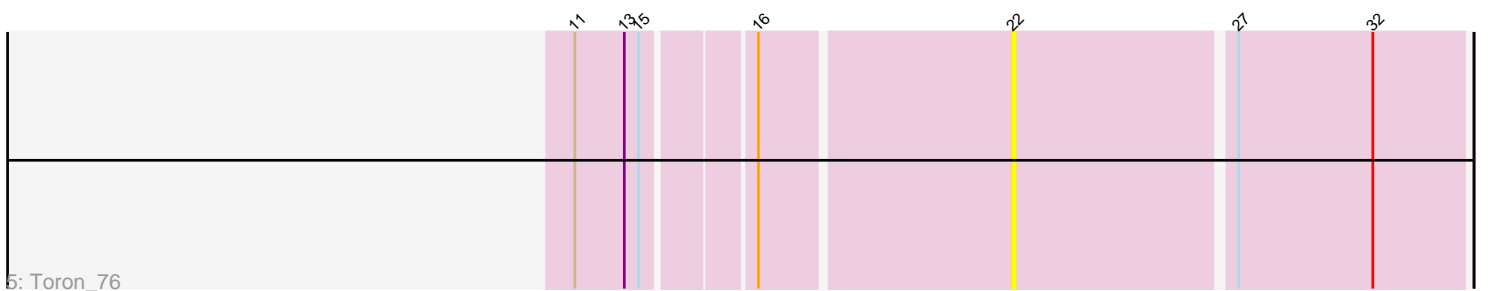
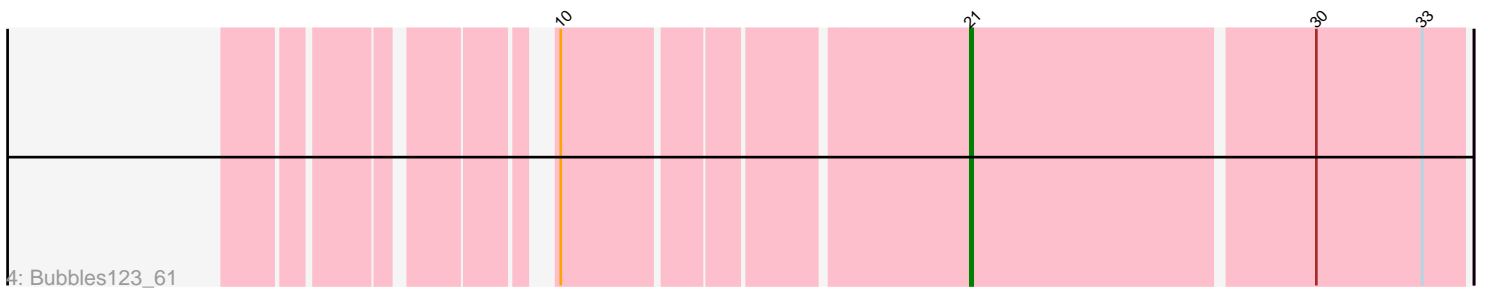
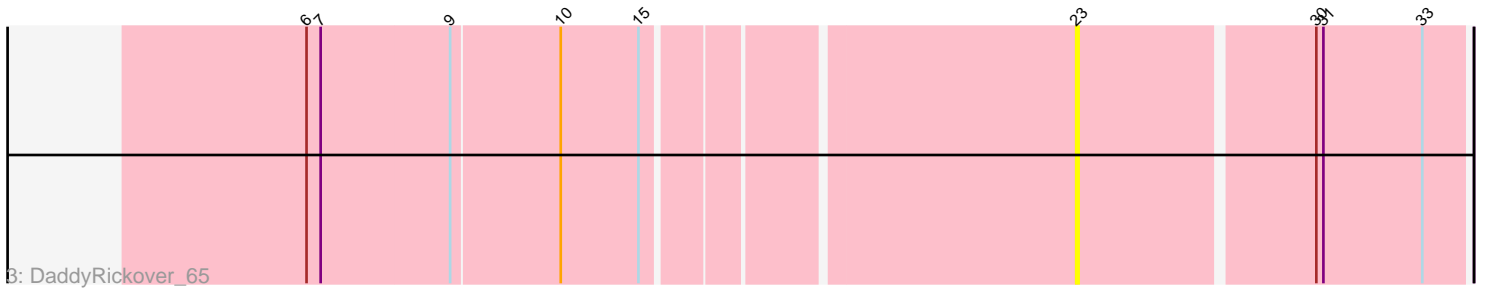
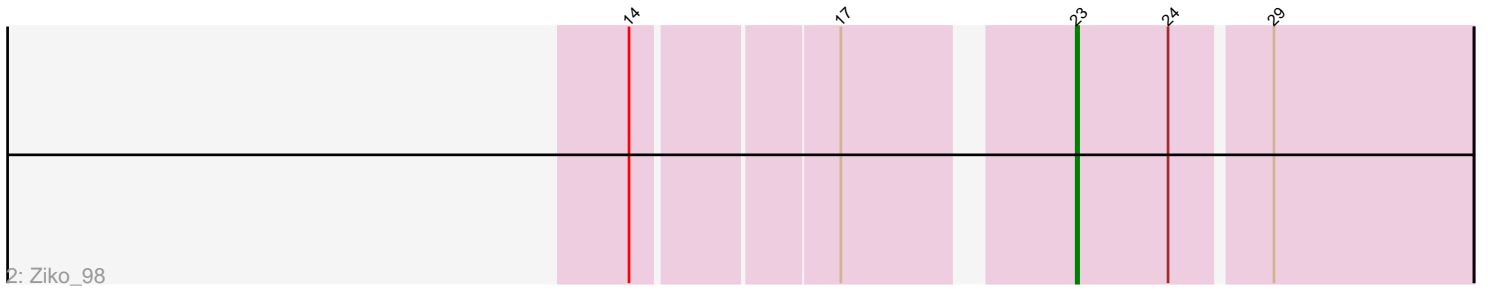
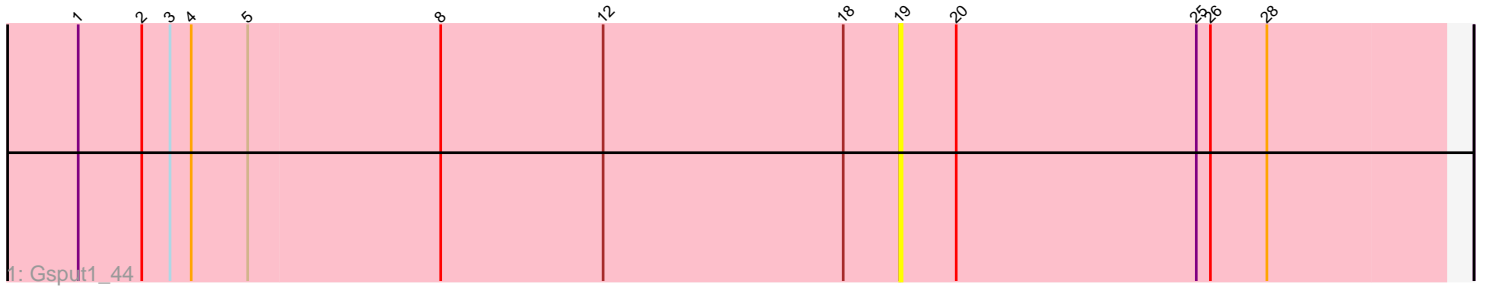


Pham 181168



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 181168 Report

This analysis was run 11/02/24 on database version 579.

Pham number 181168 has 5 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Gsput1_44
- Track 2 : Ziko_98
- Track 3 : DaddyRickover_65
- Track 4 : Bubbles123_61
- Track 5 : Toron_76

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

The start number called the most often in the published annotations is 23, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DaddyRickover_65, Ziko_98,

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

-

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

- Bubbles123_61, Gsput1_44, Toron_76,

Summary by start number:

Start 19:

- Found in 1 of 5 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gsput1_44 (CU2),

Start 21:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bubbles123_61 (F1),

Start 22:

- Found in 1 of 5 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Toron_76 (F6),

Start 23:

- Found in 2 of 5 (40.0%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DaddyRickover_65 (F1), Ziko_98 (DP),

Summary by clusters:

There are 4 clusters represented in this pham: F6, F1, CU2, DP,

Info for manual annotations of cluster DP:

- Start number 23 was manually annotated 1 time for cluster DP.

Info for manual annotations of cluster F1:

- Start number 21 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: Bubbles123_61 Start: 41991, Stop: 42194, Start Num: 21

Candidate Starts for Bubbles123_61:

(10, 41832), (Start: 21 @41991 has 1 MA's), (30, 42132), (33, 42177),

Gene: DaddyRickover_65 Start: 43291, Stop: 43449, Start Num: 23

Candidate Starts for DaddyRickover_65:

(6, 42982), (7, 42988), (9, 43042), (10, 43087), (15, 43120), (Start: 23 @43291 has 1 MA's), (30, 43387), (31, 43390), (33, 43432),

Gene: Gspu1_44 Start: 32260, Stop: 32490, Start Num: 19

Candidate Starts for Gspu1_44:

(1, 31912), (2, 31939), (3, 31951), (4, 31960), (5, 31984), (8, 32065), (12, 32134), (18, 32236), (19, 32260), (20, 32284), (25, 32386), (26, 32392), (28, 32416),

Gene: Toron_76 Start: 46968, Stop: 47153, Start Num: 22

Candidate Starts for Toron_76:

(11, 46797), (13, 46818), (15, 46824), (16, 46866), (22, 46968), (27, 47058), (32, 47115),

Gene: Ziko_98 Start: 49211, Stop: 49372, Start Num: 23

Candidate Starts for Ziko_98:

(14, 49046), (17, 49127), (Start: 23 @49211 has 1 MA's), (24, 49250), (29, 49289),