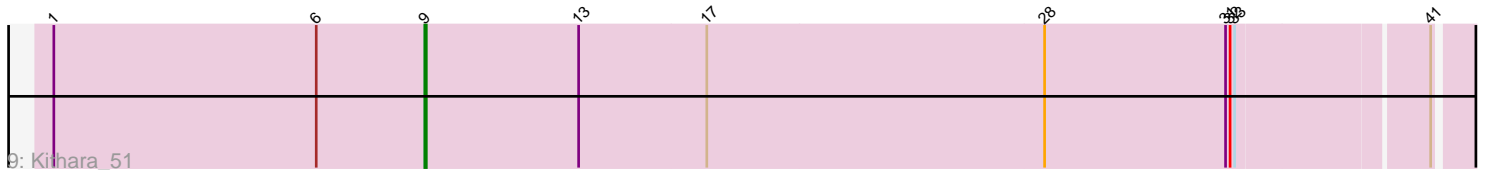
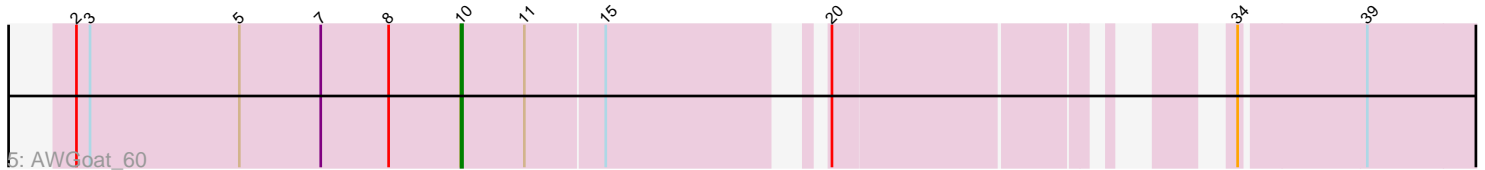
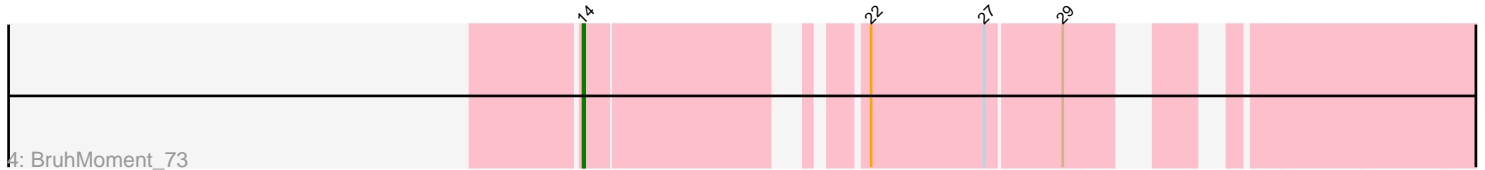
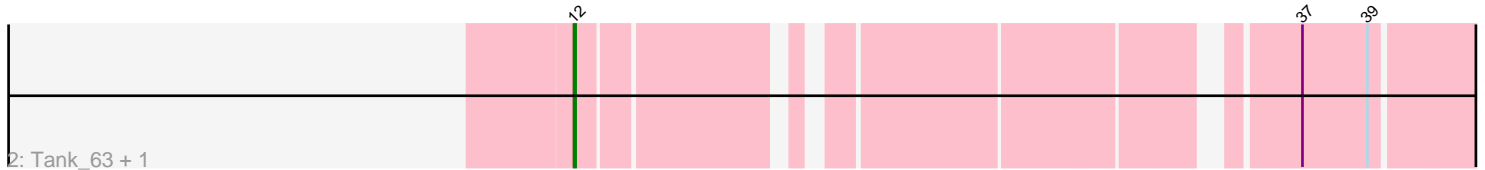
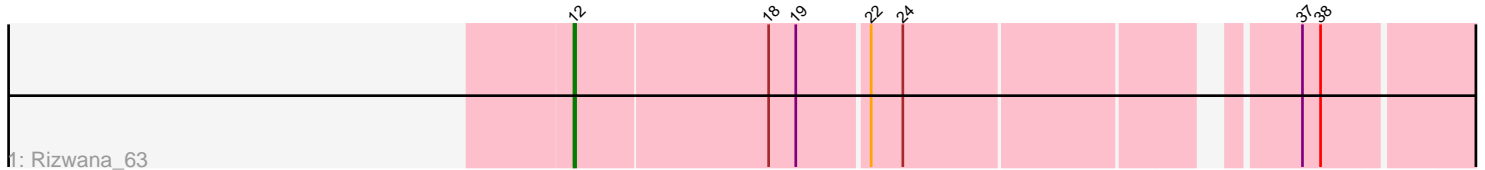


Pham 223621



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 223621 Report

This analysis was run 03/28/25 on database version 593.

Pham number 223621 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Rizwana_63
- Track 2 : Tank_63, Wilde_65
- Track 3 : Ollypop_76
- Track 4 : BruhMoment_73
- Track 5 : AWGoat_60
- Track 6 : AbbyDaisy_89
- Track 7 : Raqqa_87
- Track 8 : ThayneTheZag_92
- Track 9 : Kithara_51

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

The start number called the most often in the published annotations is 12, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyDaisy_89, Ollypop_76, Raqqa_87, Rizwana_63, Tank_63, ThayneTheZag_92, Wilde_65,

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

-

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

- AWGoat_60, BruhMoment_73, Kithara_51,

Summary by start number:

Start 9:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kithara_51 (singleton),

Start 10:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_60 (AP4),

Start 12:

- Found in 7 of 10 (70.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_89 (AY), Olypop_76 (AP2), Raqqa_87 (AY), Rizwana_63 (AP1), Tank_63 (AP1), ThayneTheZag_92 (AY), Wilde_65 (AP1),

Start 14:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BruhMoment_73 (AP3),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, AP2, AP3, AP1, AP4, AY,

Info for manual annotations of cluster AP1:

- Start number 12 was manually annotated 3 times for cluster AP1.

Info for manual annotations of cluster AP3:

- Start number 14 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AP4:

- Start number 10 was manually annotated 1 time for cluster AP4.

Info for manual annotations of cluster AY:

- Start number 12 was manually annotated 1 time for cluster AY.

Gene Information:

Gene: AWGoat_60 Start: 44171, Stop: 43587, Start Num: 10

Candidate Starts for AWGoat_60:

(2, 44426), (3, 44417), (5, 44318), (7, 44264), (8, 44219), (Start: 10 @44171 has 1 MA's), (11, 44129), (15, 44078), (20, 43961), (34, 43760), (39, 43682),

Gene: AbbyDaisy_89 Start: 50820, Stop: 51422, Start Num: 12

Candidate Starts for AbbyDaisy_89:

(Start: 12 @50820 has 4 MA's), (16, 50865), (21, 51009), (22, 51012), (27, 51087), (30, 51150), (36, 51285), (39, 51333),

Gene: BruhMoment_73 Start: 49223, Stop: 48708, Start Num: 14

Candidate Starts for BruhMoment_73:

(Start: 14 @49223 has 1 MA's), (22, 49073), (27, 48998), (29, 48950),

Gene: Kithara_51 Start: 40989, Stop: 40288, Start Num: 9

Candidate Starts for Kithara_51:

(1, 41235), (6, 41061), (Start: 9 @40989 has 1 MA's), (13, 40887), (17, 40803), (28, 40581), (31, 40461), (32, 40458), (33, 40455), (41, 40335),

Gene: Ollypop_76 Start: 50399, Stop: 49848, Start Num: 12

Candidate Starts for Ollypop_76:

(Start: 12 @50399 has 4 MA's), (25, 50156), (27, 50135), (29, 50087), (30, 50072), (34, 50021), (40, 49934),

Gene: Raqqa_87 Start: 48508, Stop: 49080, Start Num: 12

Candidate Starts for Raqqa_87:

(Start: 12 @48508 has 4 MA's), (21, 48667), (22, 48670), (27, 48745), (29, 48793),

Gene: Rizwana_63 Start: 46128, Stop: 45559, Start Num: 12

Candidate Starts for Rizwana_63:

(Start: 12 @46128 has 4 MA's), (18, 46002), (19, 45984), (22, 45939), (24, 45918), (37, 45690), (38, 45678),

Gene: Tank_63 Start: 46124, Stop: 45591, Start Num: 12

Candidate Starts for Tank_63:

(Start: 12 @46124 has 4 MA's), (37, 45722), (39, 45680),

Gene: ThayneTheZag_92 Start: 49112, Stop: 49648, Start Num: 12

Candidate Starts for ThayneTheZag_92:

(4, 48812), (Start: 12 @49112 has 4 MA's), (23, 49262), (26, 49307), (27, 49316), (29, 49364), (35, 49487), (36, 49511),

Gene: Wilde_65 Start: 46423, Stop: 45890, Start Num: 12

Candidate Starts for Wilde_65:

(Start: 12 @46423 has 4 MA's), (37, 46021), (39, 45979),