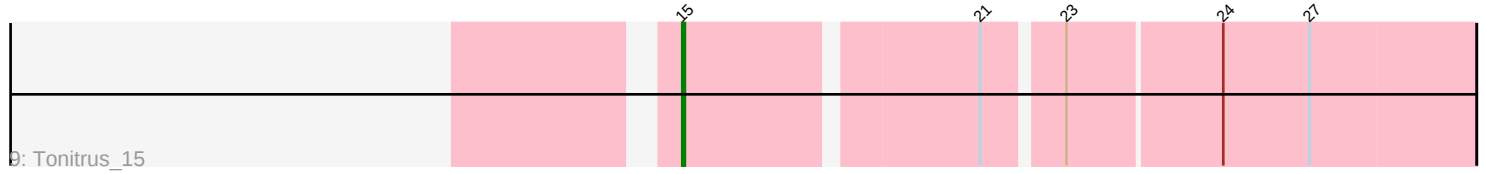
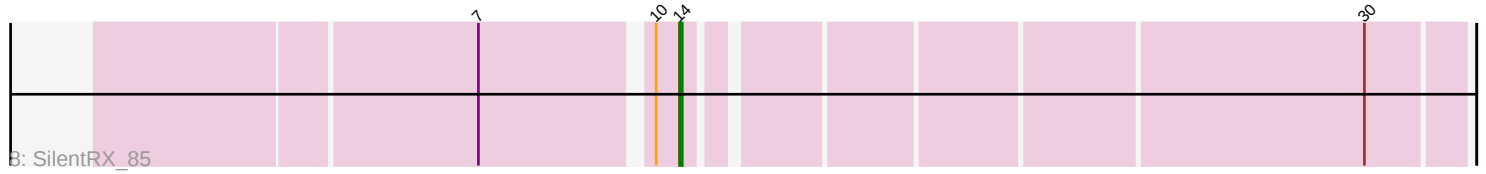
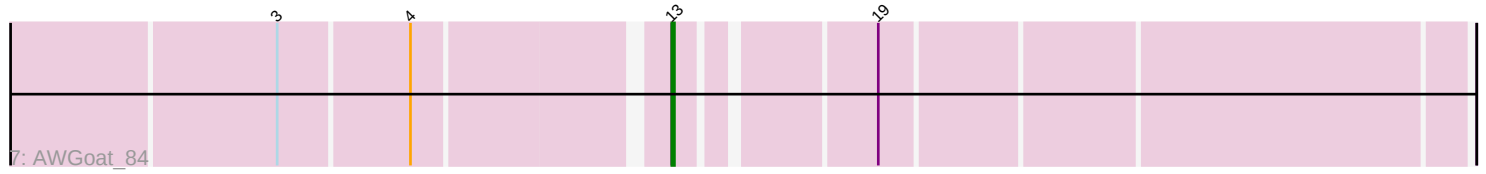
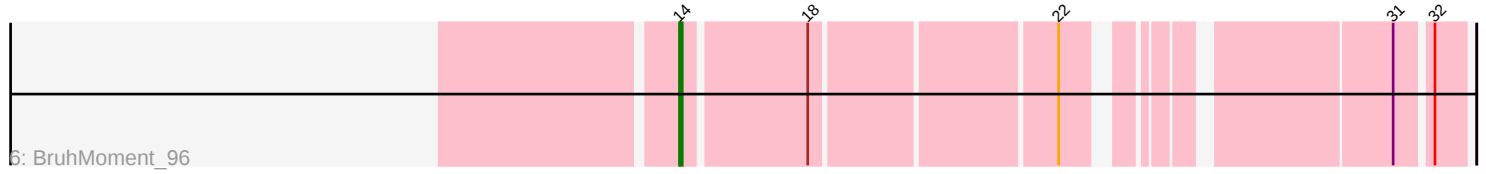
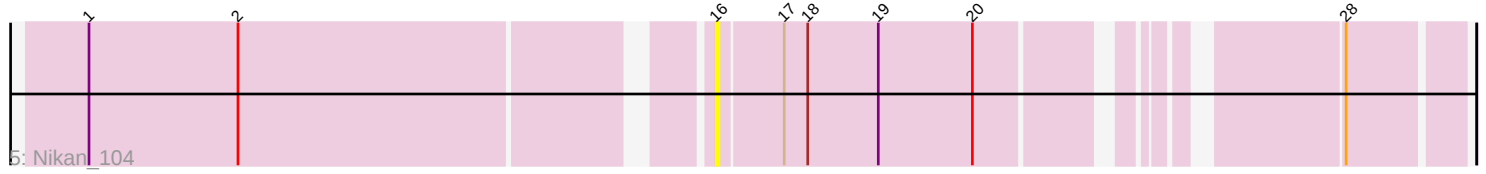
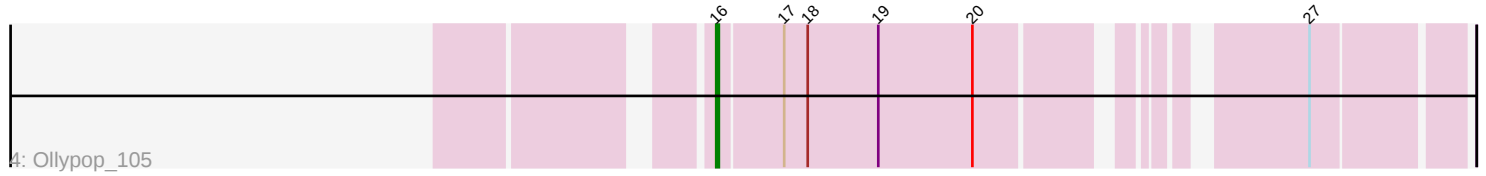
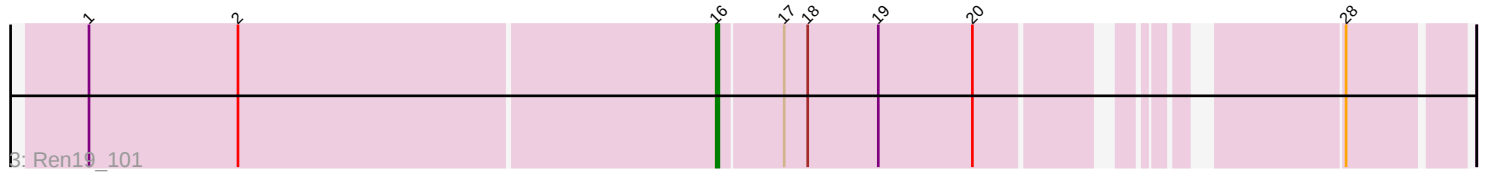
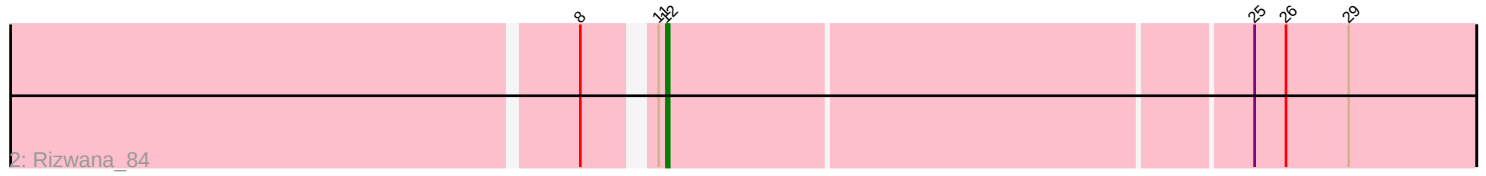
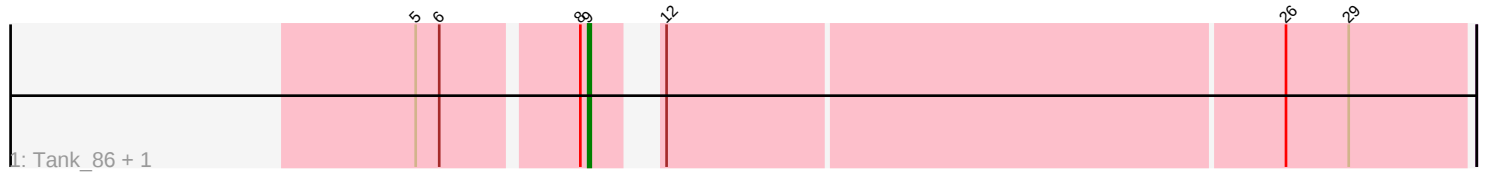


Pham 314198



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 314198 Report

This analysis was run 09/05/26 on database version 662.

Pham number 314198 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Tank_86, Wilde_88
- Track 2 : Rizwana_84
- Track 3 : Ren19_101
- Track 4 : Ollypop_105
- Track 5 : Nikan_104
- Track 6 : BruhMoment_96
- Track 7 : AWGoat_84
- Track 8 : SilentRX_85
- Track 9 : Tonitrus_15

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 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Tank_86, Wilde_88,

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

-

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

- AWGoat_84, BruhMoment_96, Nikan_104, Ollypop_105, Ren19_101, Rizwana_84, SilentRX_85, Tonitrus_15,

Summary by start number:

Start 9:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tank_86 (AP1), Wilde_88 (AP1),

Start 12:

- Found in 3 of 10 (30.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Rizwana_84 (AP1),

Start 13:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_84 (AP4),

Start 14:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BruhMoment_96 (AP3), SilentRX_85 (AP4),

Start 15:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Tonitrus_15 (singleton),

Start 16:

- Found in 3 of 10 (30.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nikan_104 (AP2), Ollypop_105 (AP2), Ren19_101 (AP2),

Summary by clusters:

There are 5 clusters represented in this pham: AP2, AP3, singleton, AP1, AP4,

Info for manual annotations of cluster AP1:

- Start number 9 was manually annotated 2 times for cluster AP1.
- Start number 12 was manually annotated 1 time for cluster AP1.

Info for manual annotations of cluster AP2:

- Start number 16 was manually annotated 2 times for cluster AP2.

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 13 was manually annotated 1 time for cluster AP4.
- Start number 14 was manually annotated 1 time for cluster AP4.

Gene Information:

Gene: AWGoat_84 Start: 56713, Stop: 56435, Start Num: 13
Candidate Starts for AWGoat_84:
(3, 56848), (4, 56800), (Start: 13 @56713 has 1 MA's), (19, 56647),

Gene: BruhMoment_96 Start: 60028, Stop: 59771, Start Num: 14
Candidate Starts for BruhMoment_96:
(Start: 14 @60028 has 2 MA's), (18, 59983), (22, 59896), (31, 59794), (32, 59782),

Gene: Nikan_104 Start: 62759, Stop: 62511, Start Num: 16
Candidate Starts for Nikan_104:
(1, 62981), (2, 62924), (Start: 16 @62759 has 2 MA's), (17, 62735), (18, 62726), (19, 62699), (20, 62663), (28, 62552),

Gene: Ollypop_105 Start: 65014, Stop: 64766, Start Num: 16
Candidate Starts for Ollypop_105:
(Start: 16 @65014 has 2 MA's), (17, 64990), (18, 64981), (19, 64954), (20, 64918), (27, 64819),

Gene: Ren19_101 Start: 62200, Stop: 61952, Start Num: 16
Candidate Starts for Ren19_101:
(1, 62437), (2, 62380), (Start: 16 @62200 has 2 MA's), (17, 62176), (18, 62167), (19, 62140), (20, 62104), (28, 61993),

Gene: Rizwana_84 Start: 58190, Stop: 57891, Start Num: 12
Candidate Starts for Rizwana_84:
(8, 58214), (11, 58193), (Start: 12 @58190 has 1 MA's), (25, 57974), (26, 57962), (29, 57938),

Gene: SilentRX_85 Start: 57322, Stop: 57047, Start Num: 14
Candidate Starts for SilentRX_85:
(7, 57391), (10, 57331), (Start: 14 @57322 has 2 MA's), (30, 57082),

Gene: Tank_86 Start: 59258, Stop: 58944, Start Num: 9
Candidate Starts for Tank_86:
(5, 59318), (6, 59309), (8, 59261), (Start: 9 @59258 has 2 MA's), (Start: 12 @59243 has 1 MA's), (26, 59012), (29, 58988),

Gene: Tonitrus_15 Start: 9612, Stop: 9896, Start Num: 15
Candidate Starts for Tonitrus_15:
(Start: 15 @9612 has 1 MA's), (21, 9717), (23, 9744), (24, 9801), (27, 9834),

Gene: Wilde_88 Start: 59604, Stop: 59290, Start Num: 9
Candidate Starts for Wilde_88:
(5, 59664), (6, 59655), (8, 59607), (Start: 9 @59604 has 2 MA's), (Start: 12 @59589 has 1 MA's), (26, 59358), (29, 59334),