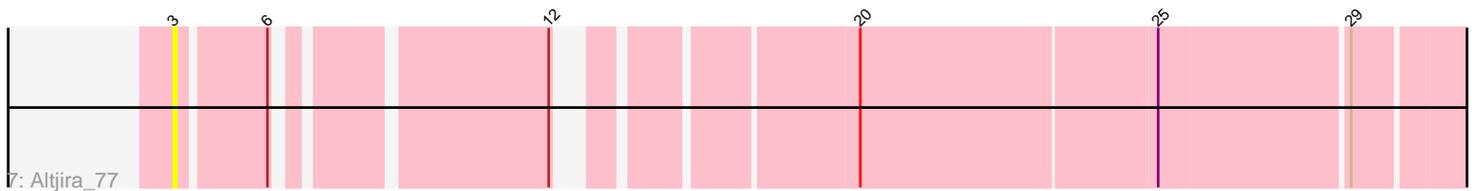
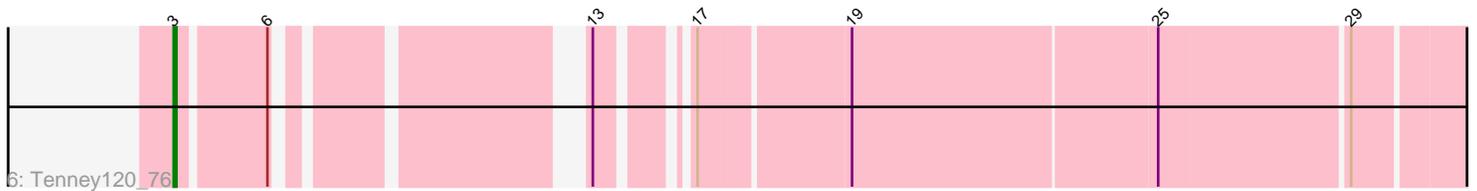
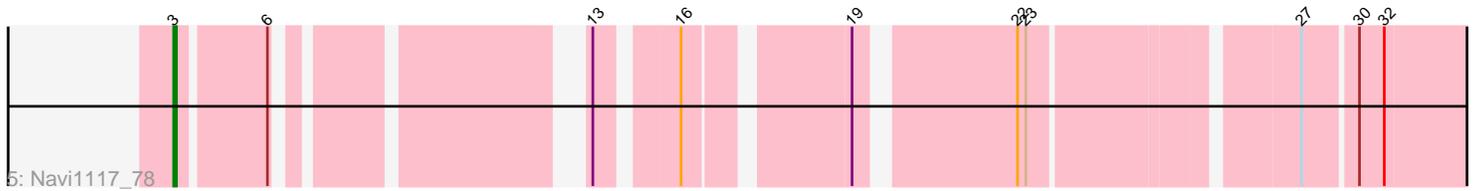
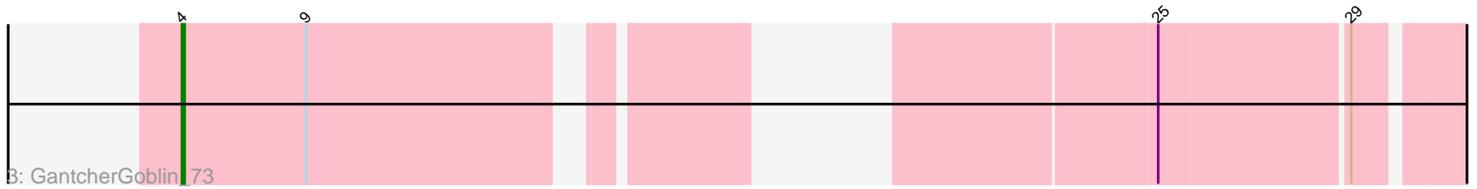
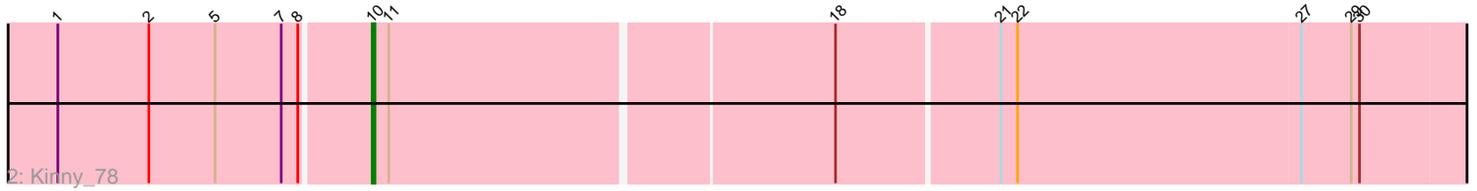
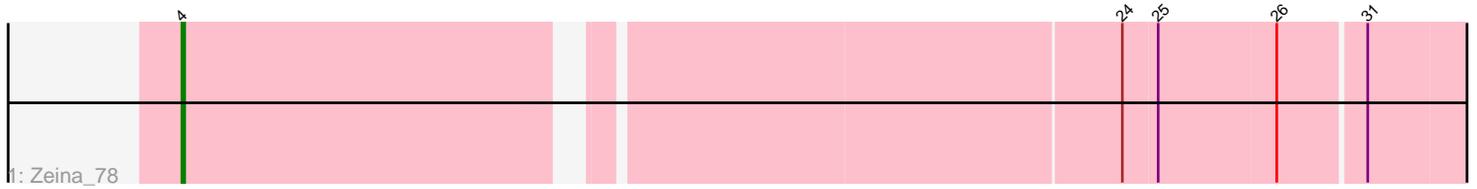


Pham 289951



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 289951 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289951 has 10 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Zeina\_78
- Track 2 : Kinny\_78
- Track 3 : GantcherGoblin\_73
- Track 4 : Biscute\_75, BarbieDoll\_79, Muglass\_77
- Track 5 : Navi1117\_78
- Track 6 : Tenney120\_76
- Track 7 : Altjira\_77
- Track 8 : Leathea\_76

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altjira\_77, Leathea\_76, Navi1117\_78, Tenney120\_76,

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

- 

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

- BarbieDoll\_79, Biscute\_75, GantcherGoblin\_73, Kinny\_78, Muglass\_77, Zeina\_78,

### **Summary by start number:**

Start 3:

- Found in 4 of 10 ( 40.0% ) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altjira\_77 (AU6), Leathea\_76 (AU6), Navi1117\_78 (AU6), Tenney120\_76 (AU6),

Start 4:

- Found in 2 of 10 ( 20.0% ) of genes in pham

- Manual Annotations of this start: 2 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GantcherGoblin\_73 (AU6), Zeina\_78 (AU6),

Start 10:

- Found in 4 of 10 ( 40.0% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Kinny\_78 (AU6),

Start 11:

- Found in 4 of 10 ( 40.0% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BarbieDoll\_79 (AU6), Biscute\_75 (AU6), Muglass\_77 (AU6),

### **Summary by clusters:**

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:

- Start number 3 was manually annotated 2 times for cluster AU6.
- Start number 4 was manually annotated 2 times for cluster AU6.
- Start number 10 was manually annotated 1 time for cluster AU6.
- Start number 11 was manually annotated 1 time for cluster AU6.

### **Gene Information:**

Gene: Altjira\_77 Start: 46533, Stop: 46949, Start Num: 3

Candidate Starts for Altjira\_77:

(Start: 3 @46533 has 2 MA's), (6, 46563), (12, 46647), (20, 46734), (25, 46839), (29, 46905),

Gene: BarbieDoll\_79 Start: 46967, Stop: 47353, Start Num: 11

Candidate Starts for BarbieDoll\_79:

(1, 46850), (2, 46883), (5, 46907), (7, 46931), (8, 46937), (Start: 10 @46961 has 1 MA's), (Start: 11 @46967 has 1 MA's), (18, 47123), (21, 47180), (22, 47186), (27, 47288), (29, 47306), (30, 47309),

Gene: Biscute\_75 Start: 46619, Stop: 47005, Start Num: 11

Candidate Starts for Biscute\_75:

(1, 46502), (2, 46535), (5, 46559), (7, 46583), (8, 46589), (Start: 10 @46613 has 1 MA's), (Start: 11 @46619 has 1 MA's), (18, 46775), (21, 46832), (22, 46838), (27, 46940), (29, 46958), (30, 46961),

Gene: GantcherGoblin\_73 Start: 45315, Stop: 45701, Start Num: 4

Candidate Starts for GantcherGoblin\_73:

(Start: 4 @45315 has 2 MA's), (9, 45360), (25, 45594), (29, 45660),

Gene: Kinny\_78 Start: 47440, Stop: 47832, Start Num: 10

Candidate Starts for Kinny\_78:

(1, 47329), (2, 47362), (5, 47386), (7, 47410), (8, 47416), (Start: 10 @47440 has 1 MA's), (Start: 11 @47446 has 1 MA's), (18, 47602), (21, 47659), (22, 47665), (27, 47767), (29, 47785), (30, 47788),

Gene: Leathea\_76 Start: 45220, Stop: 45642, Start Num: 3

Candidate Starts for Leathea\_76:

(Start: 3 @45220 has 2 MA's), (6, 45250), (14, 45361), (15, 45373), (26, 45574), (28, 45595), (30, 45601),

Gene: Muglass\_77 Start: 46523, Stop: 46909, Start Num: 11

Candidate Starts for Muglass\_77:

(1, 46406), (2, 46439), (5, 46463), (7, 46487), (8, 46493), (Start: 10 @46517 has 1 MA's), (Start: 11 @46523 has 1 MA's), (18, 46679), (21, 46736), (22, 46742), (27, 46844), (29, 46862), (30, 46865),

Gene: Navi1117\_78 Start: 46395, Stop: 46790, Start Num: 3

Candidate Starts for Navi1117\_78:

(Start: 3 @46395 has 2 MA's), (6, 46425), (13, 46512), (16, 46536), (19, 46587), (22, 46638), (23, 46641), (27, 46728), (30, 46746), (32, 46755),

Gene: Tenney120\_76 Start: 45975, Stop: 46385, Start Num: 3

Candidate Starts for Tenney120\_76:

(Start: 3 @45975 has 2 MA's), (6, 46005), (13, 46092), (17, 46116), (19, 46167), (25, 46275), (29, 46341),

Gene: Zeina\_78 Start: 46274, Stop: 46717, Start Num: 4

Candidate Starts for Zeina\_78:

(Start: 4 @46274 has 2 MA's), (24, 46592), (25, 46604), (26, 46646), (31, 46676),