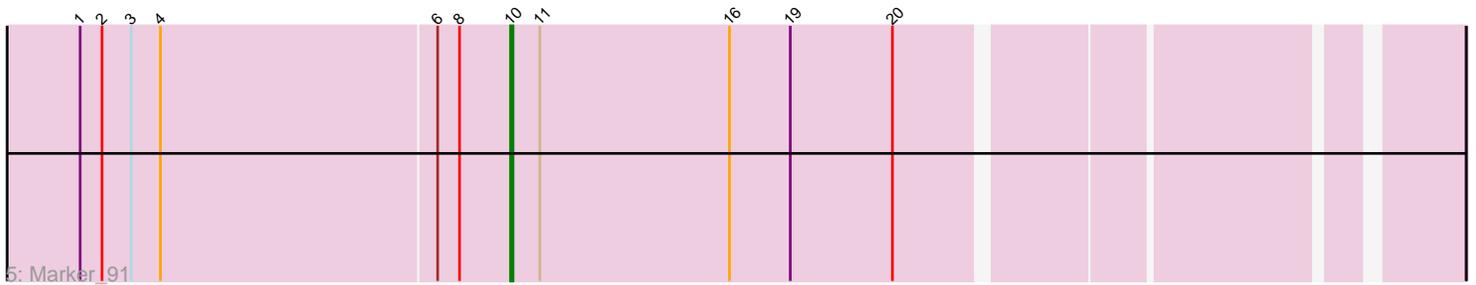
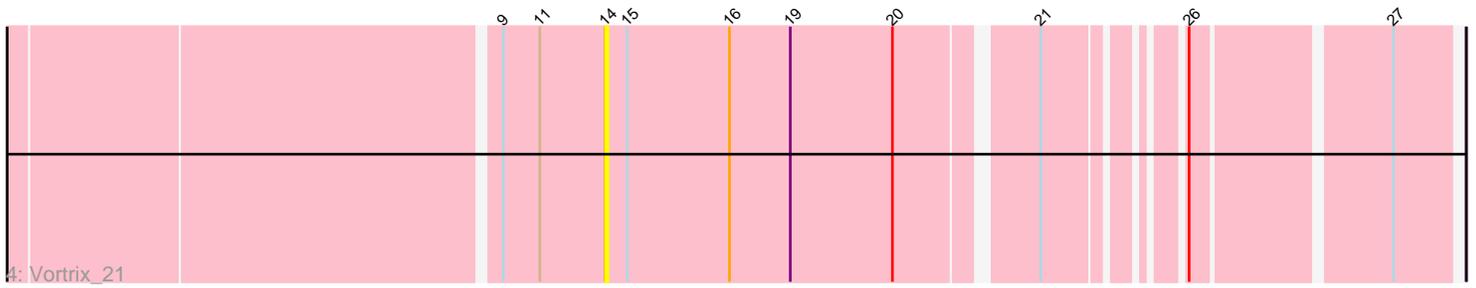
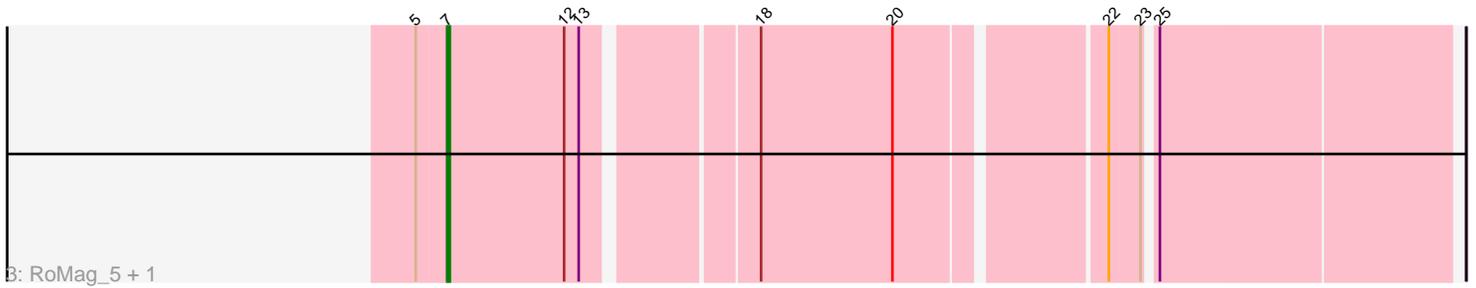
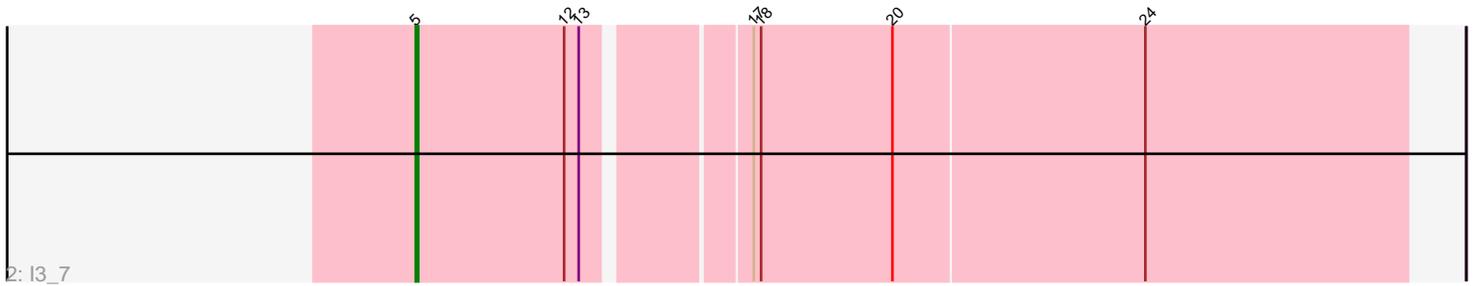
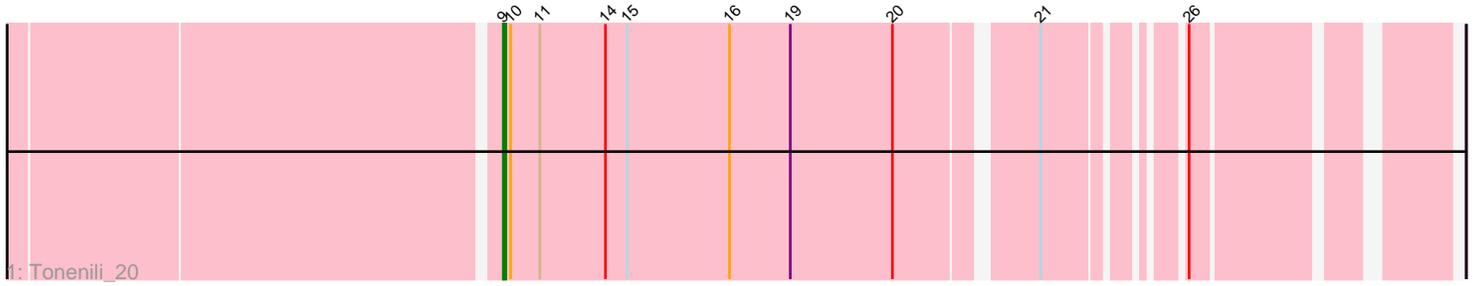


Pham 284576



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 284576 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284576 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Tonenili_20
- Track 2 : I3_7
- Track 3 : RoMag_5, Kamryn_6
- Track 4 : Vortrix_21
- Track 5 : Marker_91

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

The start number called the most often in the published annotations is 7, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Kamryn_6, RoMag_5,

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

-

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

- I3_7, Marker_91, Tonenili_20, Vortrix_21,

Summary by start number:

Start 5:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: I3_7 (C1),

Start 7:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kamryn_6 (C1), RoMag_5 (C1),

Start 9:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Tonenili_20 (C1),

Start 10:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Marker_91 (F1),

Start 14:

- Found in 2 of 6 (33.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Vortrix_21 (C1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, C1,

Info for manual annotations of cluster C1:

- Start number 5 was manually annotated 1 time for cluster C1.
- Start number 7 was manually annotated 2 times for cluster C1.
- Start number 9 was manually annotated 1 time for cluster C1.

Info for manual annotations of cluster F1:

- Start number 10 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: I3_7 Start: 2438, Stop: 2830, Start Num: 5

Candidate Starts for I3_7:

(Start: 5 @2438 has 1 MA's), (12, 2498), (13, 2504), (17, 2564), (18, 2567), (20, 2621), (24, 2723),

Gene: Kamryn_6 Start: 1771, Stop: 2151, Start Num: 7

Candidate Starts for Kamryn_6:

(Start: 5 @1759 has 1 MA's), (Start: 7 @1771 has 2 MA's), (12, 1819), (13, 1825), (18, 1888), (20, 1942), (22, 2020), (23, 2032), (25, 2035),

Gene: Marker_91 Start: 50605, Stop: 50967, Start Num: 10

Candidate Starts for Marker_91:

(1, 50431), (2, 50440), (3, 50452), (4, 50464), (6, 50575), (8, 50584), (Start: 10 @50605 has 1 MA's), (11, 50617), (16, 50695), (19, 50719), (20, 50761),

Gene: RoMag_5 Start: 2623, Stop: 3003, Start Num: 7

Candidate Starts for RoMag_5:

(Start: 5 @2611 has 1 MA's), (Start: 7 @2623 has 2 MA's), (12, 2671), (13, 2677), (18, 2740), (20, 2794), (22, 2872), (23, 2884), (25, 2887),

Gene: Tonenili_20 Start: 6077, Stop: 6418, Start Num: 9

Candidate Starts for Tonenili_20:

(Start: 9 @6077 has 1 MA's), (Start: 10 @6080 has 1 MA's), (11, 6092), (14, 6119), (15, 6128), (16, 6170), (19, 6194), (20, 6236), (21, 6287), (26, 6329),

Gene: Vortrix_21 Start: 6392, Stop: 6700, Start Num: 14

Candidate Starts for Vortrix_21:

(Start: 9 @6350 has 1 MA's), (11, 6365), (14, 6392), (15, 6401), (16, 6443), (19, 6467), (20, 6509), (21, 6560), (26, 6602), (27, 6677),