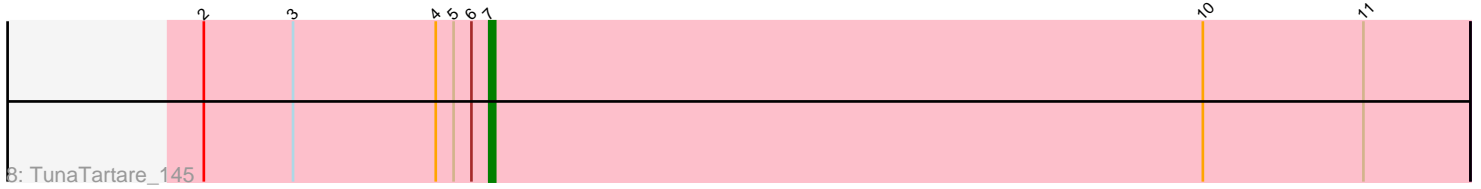
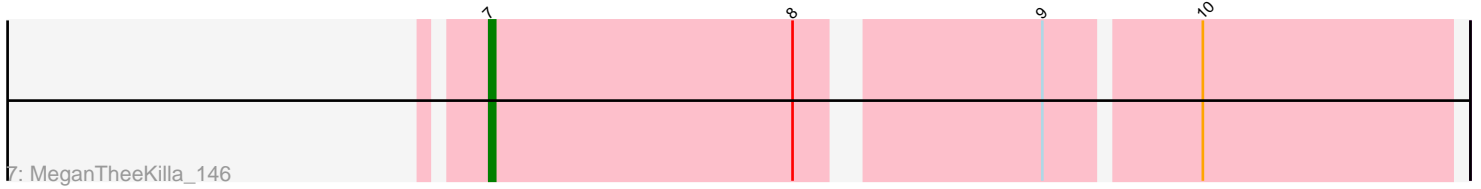
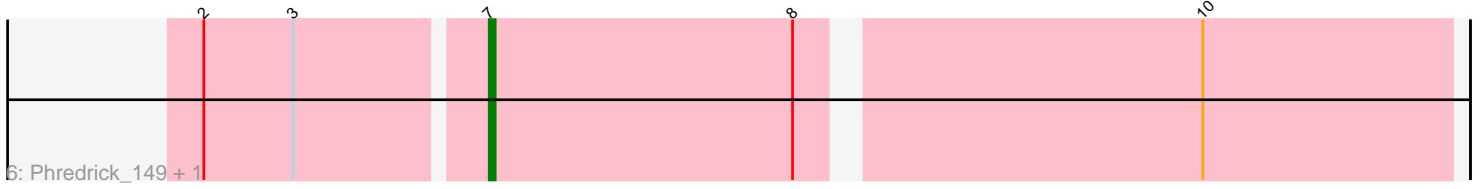
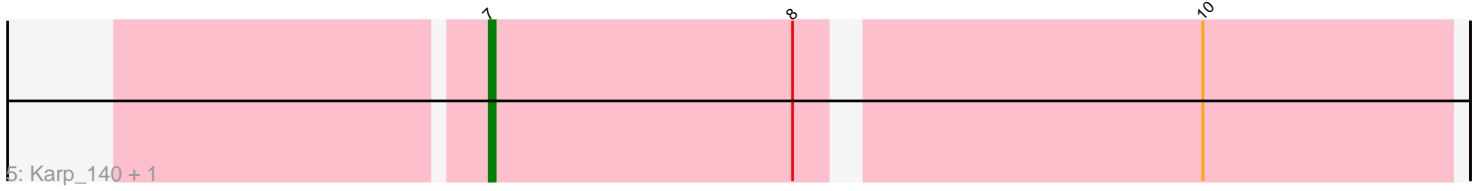
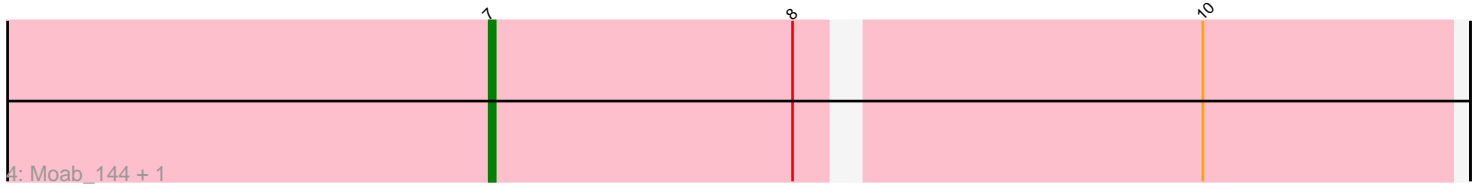
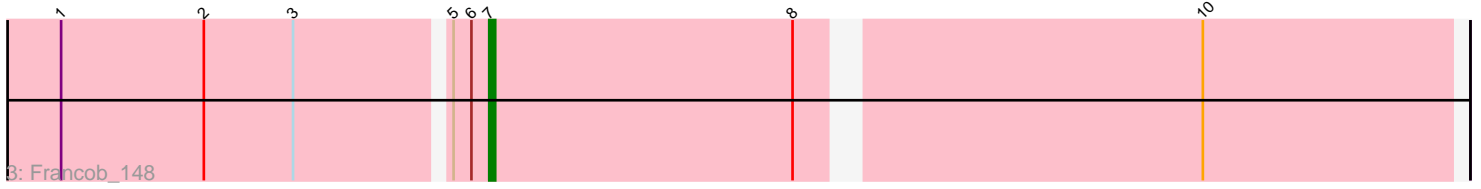
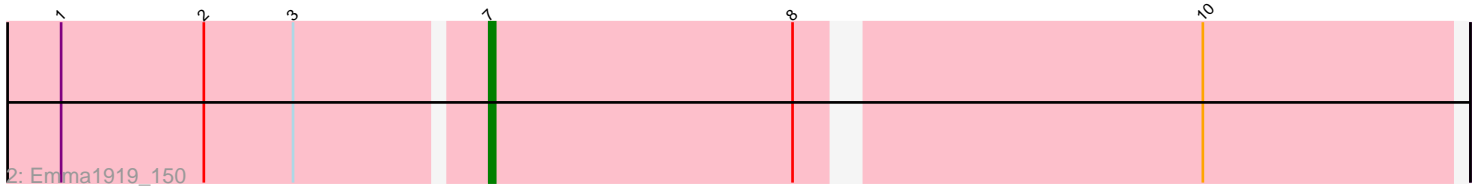
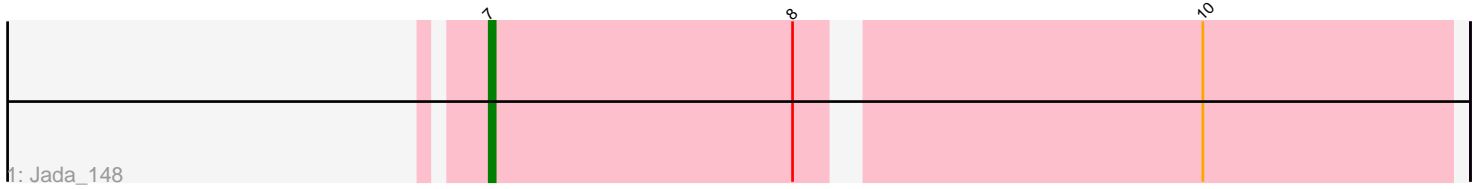


Pham 164075



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 164075 Report

This analysis was run 04/28/24 on database version 559.

Pham number 164075 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Jada\_148
- Track 2 : Emma1919\_150
- Track 3 : Francob\_148
- Track 4 : Moab\_144, Patelgo\_146
- Track 5 : Karp\_140, Belfort\_145
- Track 6 : Phredrick\_149, Kenrey\_152
- Track 7 : MeganTheeKilla\_146
- Track 8 : TunaTartare\_145

### ***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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort\_145, Emma1919\_150, Francob\_148, Jada\_148, Karp\_140, Kenrey\_152, MeganTheeKilla\_146, Moab\_144, Patelgo\_146, Phredrick\_149, TunaTartare\_145,

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

- 

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

- 

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

Start 7:

- Found in 11 of 11 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort\_145 (BK1), Emma1919\_150 (BK1), Francob\_148 (BK1), Jada\_148 (BK1), Karp\_140 (BK1), Kenrey\_152 (BK1), MeganTheeKilla\_146 (BK1), Moab\_144 (BK1), Patelgo\_146 (BK1), Phredrick\_149 (BK1), TunaTartare\_145 (BK1),

## Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

•Start number 7 was manually annotated 11 times for cluster BK1.

### **Gene Information:**

Gene: Belfort\_145 Start: 82737, Stop: 82892, Start Num: 7

Candidate Starts for Belfort\_145:

(Start: 7 @82737 has 11 MA's), (8, 82788), (10, 82851),

Gene: Emma1919\_150 Start: 82354, Stop: 82509, Start Num: 7

Candidate Starts for Emma1919\_150:

(1, 82285), (2, 82309), (3, 82324), (Start: 7 @82354 has 11 MA's), (8, 82405), (10, 82468),

Gene: Francob\_148 Start: 82862, Stop: 83017, Start Num: 7

Candidate Starts for Francob\_148:

(1, 82793), (2, 82817), (3, 82832), (5, 82856), (6, 82859), (Start: 7 @82862 has 11 MA's), (8, 82913), (10, 82976),

Gene: Jada\_148 Start: 82145, Stop: 82300, Start Num: 7

Candidate Starts for Jada\_148:

(Start: 7 @82145 has 11 MA's), (8, 82196), (10, 82259),

Gene: Karp\_140 Start: 82164, Stop: 82319, Start Num: 7

Candidate Starts for Karp\_140:

(Start: 7 @82164 has 11 MA's), (8, 82215), (10, 82278),

Gene: Kenrey\_152 Start: 83476, Stop: 83631, Start Num: 7

Candidate Starts for Kenrey\_152:

(2, 83431), (3, 83446), (Start: 7 @83476 has 11 MA's), (8, 83527), (10, 83590),

Gene: MeganTheeKilla\_146 Start: 81670, Stop: 81822, Start Num: 7

Candidate Starts for MeganTheeKilla\_146:

(Start: 7 @81670 has 11 MA's), (8, 81721), (9, 81757), (10, 81781),

Gene: Moab\_144 Start: 83836, Stop: 83991, Start Num: 7

Candidate Starts for Moab\_144:

(Start: 7 @83836 has 11 MA's), (8, 83887), (10, 83950),

Gene: Patelgo\_146 Start: 84528, Stop: 84683, Start Num: 7

Candidate Starts for Patelgo\_146:

(Start: 7 @84528 has 11 MA's), (8, 84579), (10, 84642),

Gene: Phredrick\_149 Start: 81811, Stop: 81966, Start Num: 7

Candidate Starts for Phredrick\_149:

(2, 81766), (3, 81781), (Start: 7 @81811 has 11 MA's), (8, 81862), (10, 81925),

Gene: TunaTartare\_145 Start: 84538, Stop: 84702, Start Num: 7

Candidate Starts for TunaTartare\_145:

(2, 84490), (3, 84505), (4, 84529), (5, 84532), (6, 84535), (Start: 7 @84538 has 11 MA's), (10, 84658),  
(11, 84685),