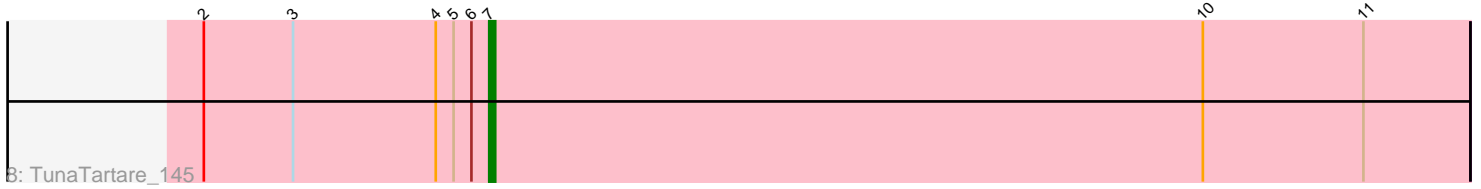
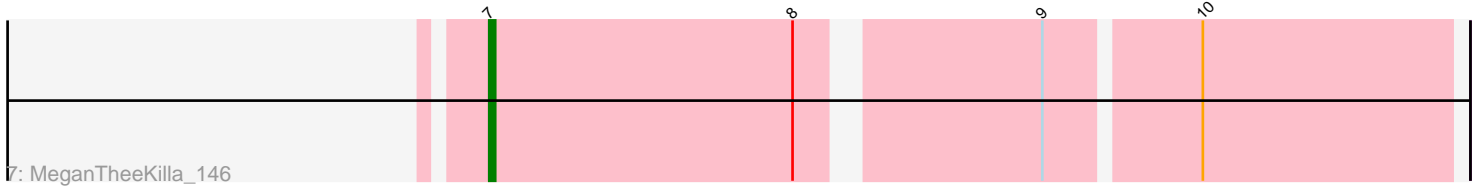
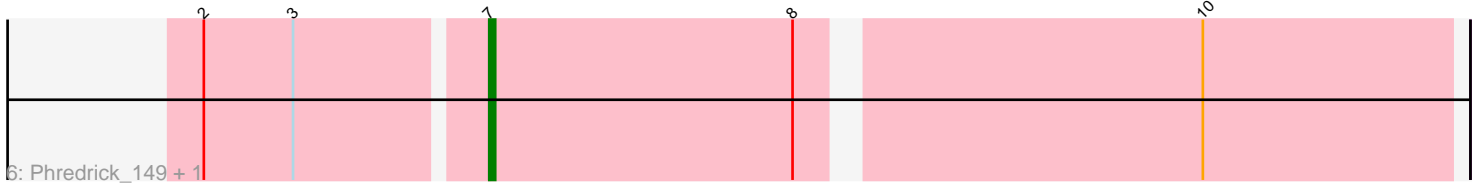
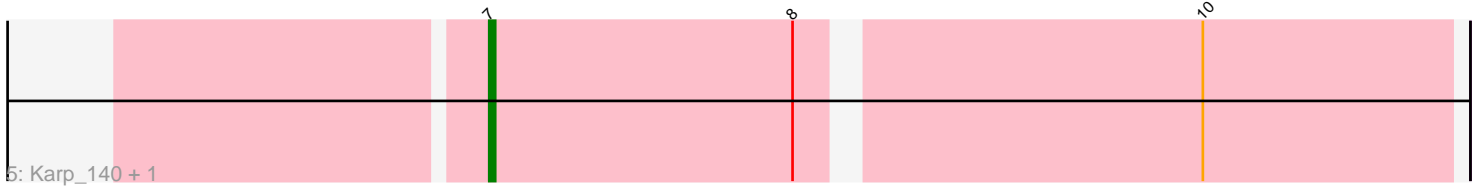
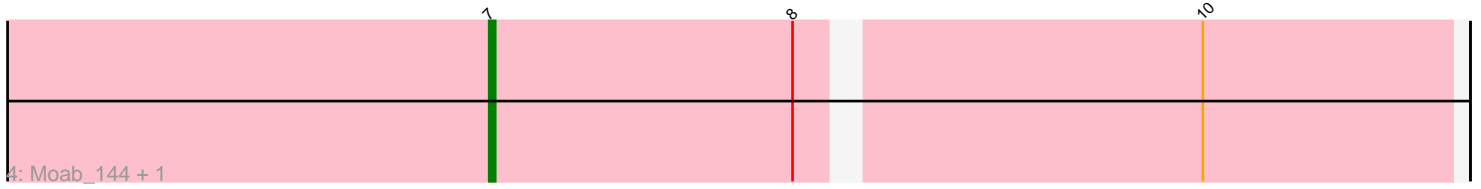
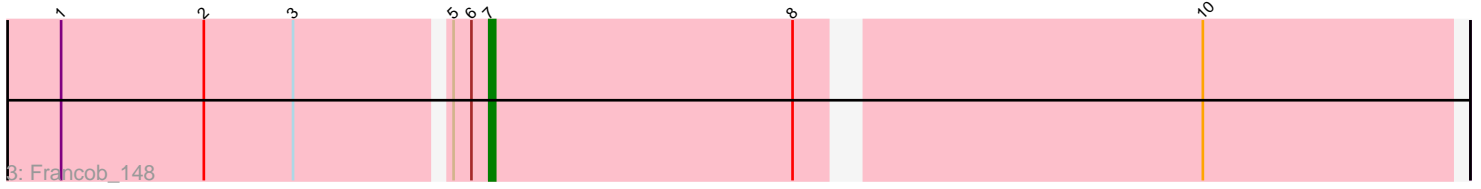
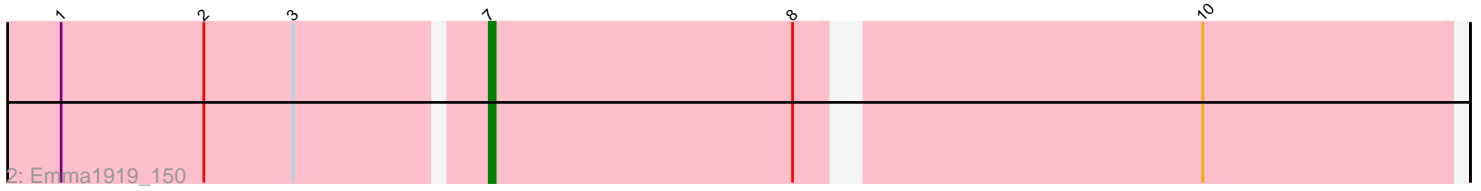
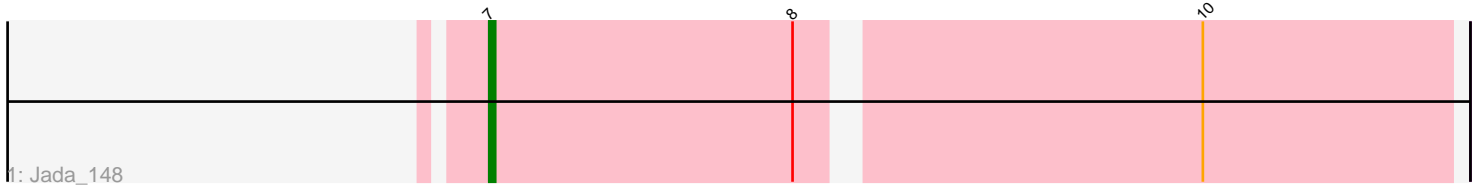


Pham 197016



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 197016 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197016 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),