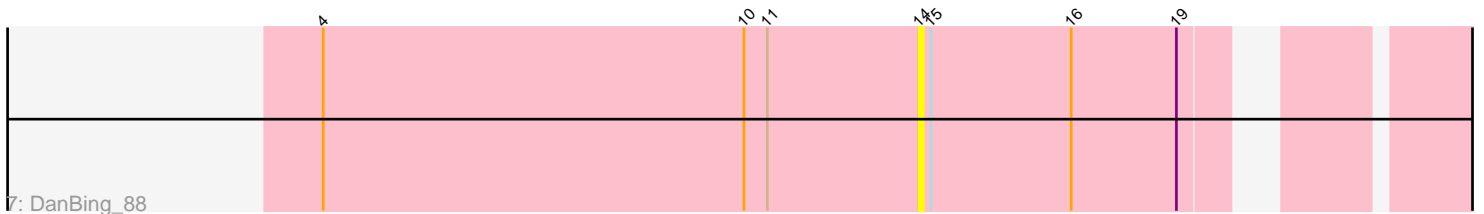
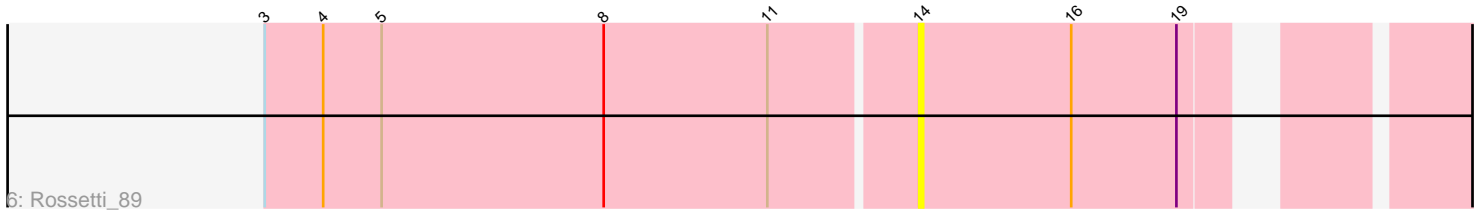
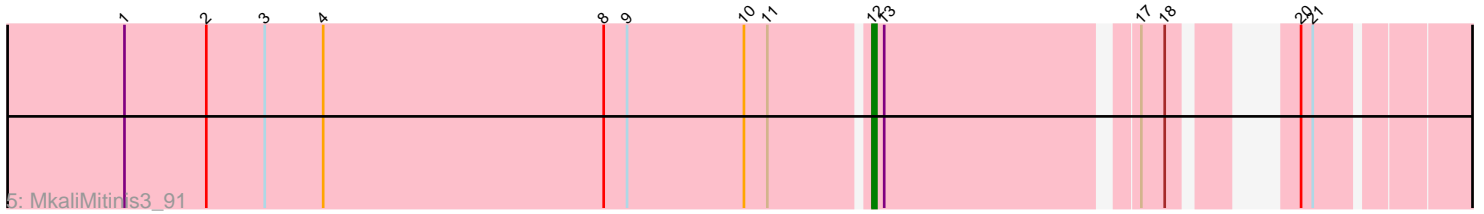
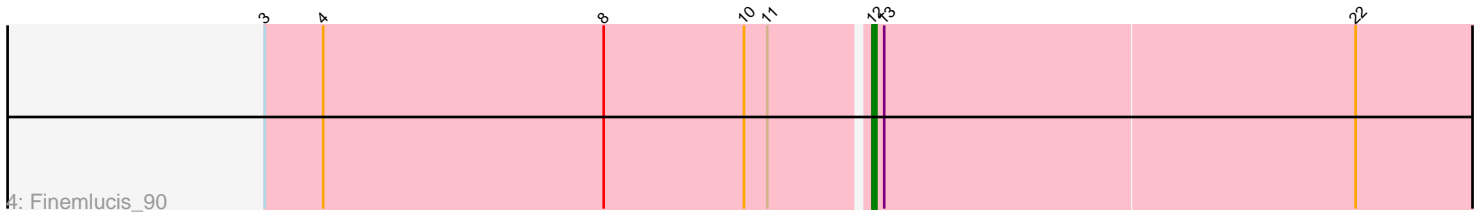
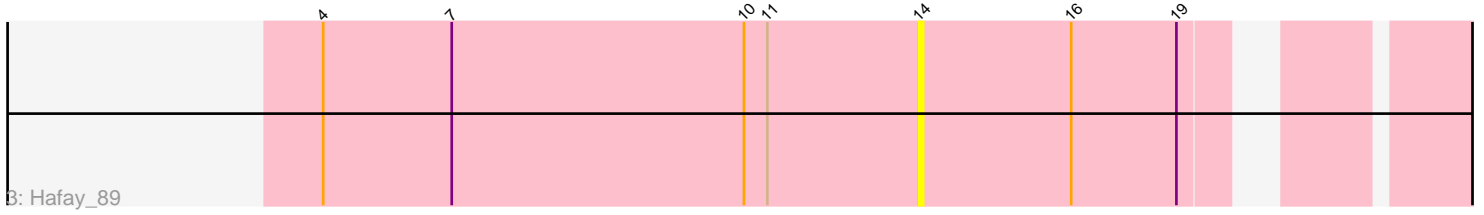
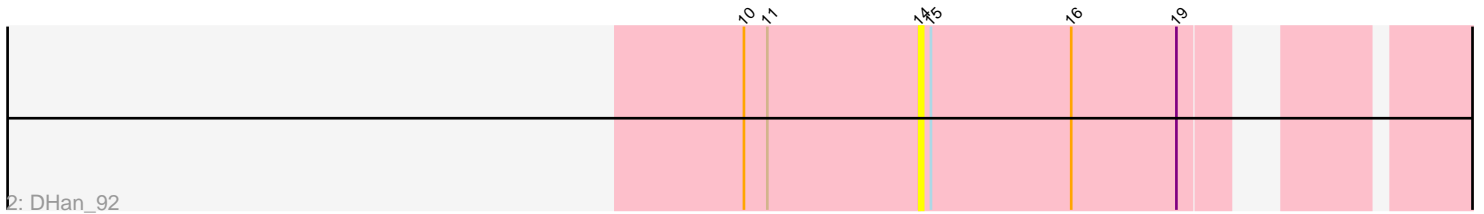
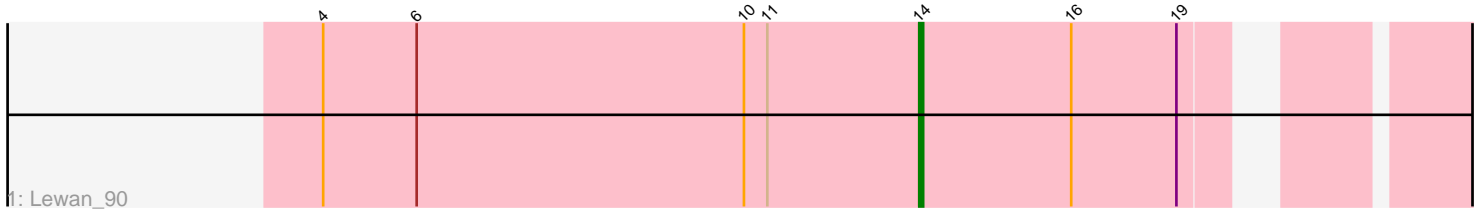


Pham 305565



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 305565 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305565 has 7 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Lewan_90
- Track 2 : DHan_92
- Track 3 : Hafay_89
- Track 4 : Finemlucis_90
- Track 5 : MkaliMitinis3_91
- Track 6 : Rossetti_89
- Track 7 : DanBing_88

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

The start number called the most often in the published annotations is 12, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Finemlucis_90, MkaliMitinis3_91,

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

-

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

- DHan_92, DanBing_88, Hafay_89, Lewan_90, Rossetti_89,

Summary by start number:

Start 12:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finemlucis_90 (L2), MkaliMitinis3_91 (L2),

Start 14:

- Found in 5 of 7 (71.4%) of genes in pham
- Manual Annotations of this start: 1 of 3

- Called 100.0% of time when present
- Phage (with cluster) where this start called: DHan_92 (L2), DanBing_88 (L2), Hafay_89 (L2), Lewan_90 (L2), Rossetti_89 (L2),

Summary by clusters:

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2:

- Start number 12 was manually annotated 2 times for cluster L2.
- Start number 14 was manually annotated 1 time for cluster L2.

Gene Information:

Gene: DHan_92 Start: 57819, Stop: 57959, Start Num: 14

Candidate Starts for DHan_92:

(10, 57774), (11, 57780), (Start: 14 @57819 has 1 MA's), (15, 57822), (16, 57858), (19, 57885),

Gene: DanBing_88 Start: 57317, Stop: 57457, Start Num: 14

Candidate Starts for DanBing_88:

(4, 57164), (10, 57272), (11, 57278), (Start: 14 @57317 has 1 MA's), (15, 57320), (16, 57356), (19, 57383),

Gene: Finemlucis_90 Start: 58613, Stop: 58783, Start Num: 12

Candidate Starts for Finemlucis_90:

(3, 58460), (4, 58475), (8, 58547), (10, 58583), (11, 58589), (Start: 12 @58613 has 2 MA's), (13, 58616), (22, 58736),

Gene: Hafay_89 Start: 57435, Stop: 57575, Start Num: 14

Candidate Starts for Hafay_89:

(4, 57282), (7, 57315), (10, 57390), (11, 57396), (Start: 14 @57435 has 1 MA's), (16, 57474), (19, 57501),

Gene: Lewan_90 Start: 57483, Stop: 57623, Start Num: 14

Candidate Starts for Lewan_90:

(4, 57330), (6, 57354), (10, 57438), (11, 57444), (Start: 14 @57483 has 1 MA's), (16, 57522), (19, 57549),

Gene: MkaliMitinis3_91 Start: 57639, Stop: 57782, Start Num: 12

Candidate Starts for MkaliMitinis3_91:

(1, 57450), (2, 57471), (3, 57486), (4, 57501), (8, 57573), (9, 57579), (10, 57609), (11, 57615), (Start: 12 @57639 has 2 MA's), (13, 57642), (17, 57702), (18, 57708), (20, 57726), (21, 57729),

Gene: Rossetti_89 Start: 57710, Stop: 57850, Start Num: 14

Candidate Starts for Rossetti_89:

(3, 57545), (4, 57560), (5, 57575), (8, 57632), (11, 57674), (Start: 14 @57710 has 1 MA's), (16, 57749), (19, 57776),