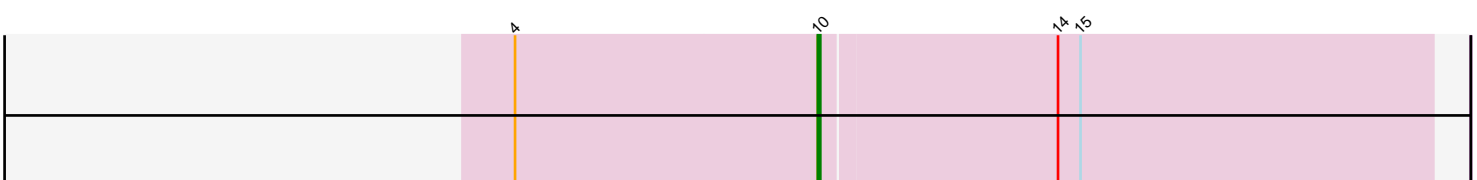
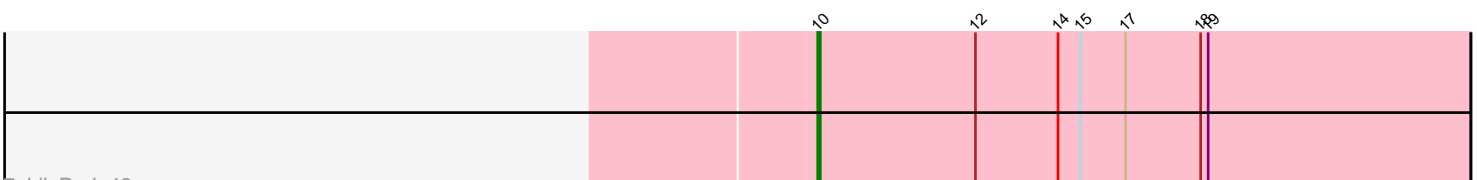
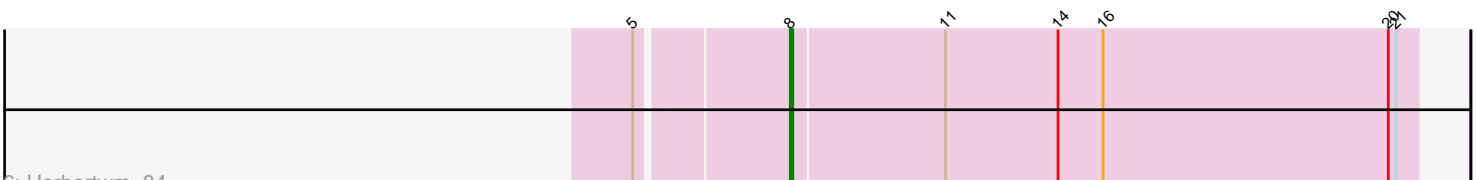
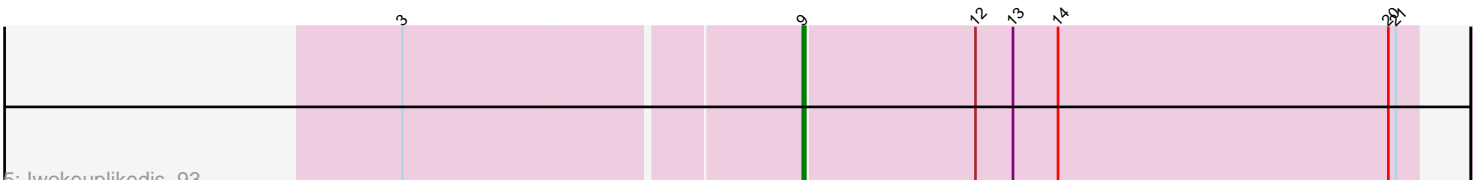
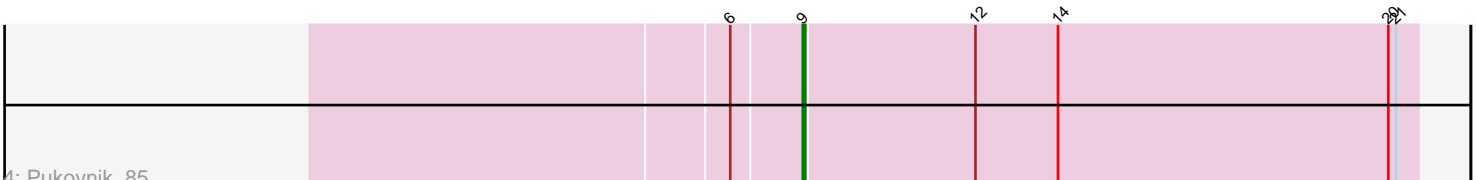
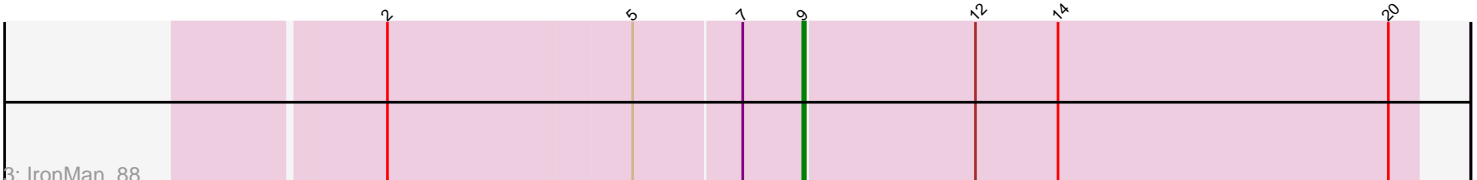
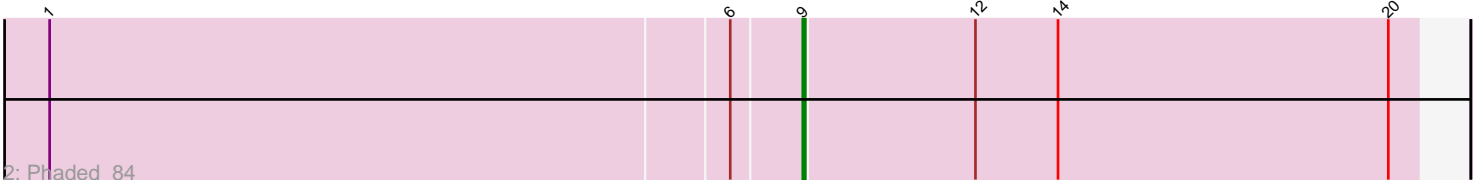
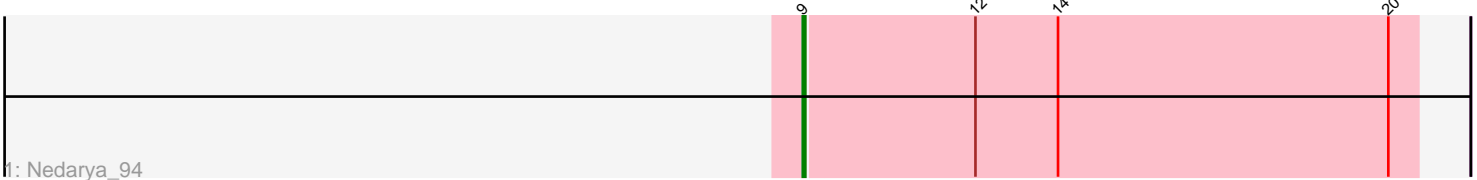


Pham 87794



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 87794 Report

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

Pham number 87794 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Nedarya_94
- Track 2 : Phaded_84
- Track 3 : IronMan_88
- Track 4 : Pukovnik_85
- Track 5 : Iwokeuplikedis_93
- Track 6 : Herbertwm_84
- Track 7 : LilyPad_43
- Track 8 : LittleFella_47

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- IronMan_88, Iwokeuplikedis_93, Nedarya_94, Phaded_84, Pukovnik_85,

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

-

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

- Herbertwm_84, LilyPad_43, LittleFella_47,

Summary by start number:

Start 8:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Herbertwm_84 (A2),

Start 9:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 5 of 8

- Called 100.0% of time when present
- Phage (with cluster) where this start called: IronMan_88 (A2), Iwokeuplikedis_93 (A2), Nedarya_94 (A15), Phaded_84 (A2), Pukovnik_85 (A2),

Start 10:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilyPad_43 (DG1), LittleFella_47 (DG2),

Summary by clusters:

There are 4 clusters represented in this pham: A15, DG2, DG1, A2,

Info for manual annotations of cluster A15:

- Start number 9 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A2:

- Start number 8 was manually annotated 1 time for cluster A2.
- Start number 9 was manually annotated 4 times for cluster A2.

Info for manual annotations of cluster DG1:

- Start number 10 was manually annotated 1 time for cluster DG1.

Info for manual annotations of cluster DG2:

- Start number 10 was manually annotated 1 time for cluster DG2.

Gene Information:

Gene: Herbertwm_84 Start: 48471, Stop: 48223, Start Num: 8

Candidate Starts for Herbertwm_84:

(5, 48525), (Start: 8 @48471 has 1 MA's), (11, 48411), (14, 48366), (16, 48348), (20, 48234), (21, 48231),

Gene: IronMan_88 Start: 50816, Stop: 50574, Start Num: 9

Candidate Starts for IronMan_88:

(2, 50978), (5, 50882), (7, 50840), (Start: 9 @50816 has 5 MA's), (12, 50750), (14, 50717), (20, 50585),

Gene: Iwokeuplikedis_93 Start: 50314, Stop: 50072, Start Num: 9

Candidate Starts for Iwokeuplikedis_93:

(3, 50467), (Start: 9 @50314 has 5 MA's), (12, 50248), (13, 50233), (14, 50215), (20, 50083), (21, 50080),

Gene: LilyPad_43 Start: 34067, Stop: 34327, Start Num: 10

Candidate Starts for LilyPad_43:

(Start: 10 @34067 has 2 MA's), (12, 34130), (14, 34163), (15, 34172), (17, 34190), (18, 34220), (19, 34223),

Gene: LittleFella_47 Start: 35814, Stop: 36056, Start Num: 10

Candidate Starts for LittleFella_47:

(4, 35694), (Start: 10 @35814 has 2 MA's), (14, 35907), (15, 35916),

Gene: Nedarya_94 Start: 49532, Stop: 49290, Start Num: 9

Candidate Starts for Nedarya_94:

(Start: 9 @49532 has 5 MA's), (12, 49466), (14, 49433), (20, 49301),

Gene: Phaded_84 Start: 50816, Stop: 50574, Start Num: 9

Candidate Starts for Phaded_84:

(1, 51110), (6, 50843), (Start: 9 @50816 has 5 MA's), (12, 50750), (14, 50717), (20, 50585),

Gene: Pukovnik_85 Start: 50278, Stop: 50036, Start Num: 9

Candidate Starts for Pukovnik_85:

(6, 50305), (Start: 9 @50278 has 5 MA's), (12, 50212), (14, 50179), (20, 50047), (21, 50044),