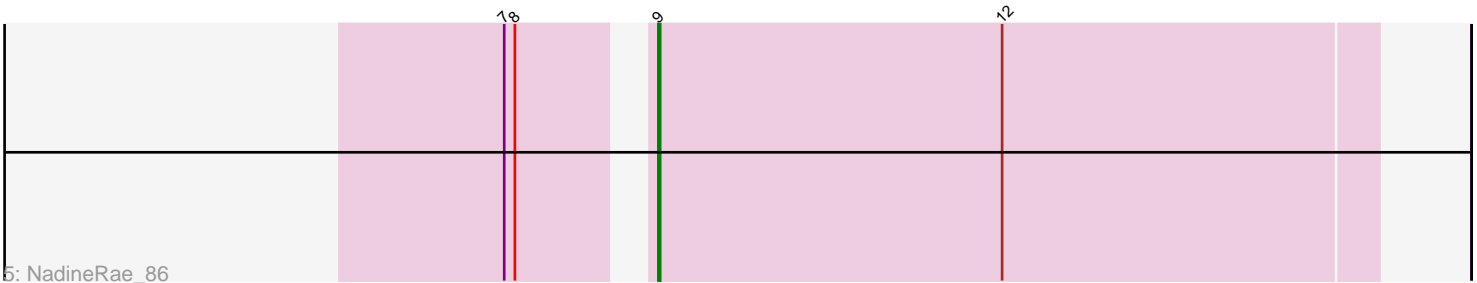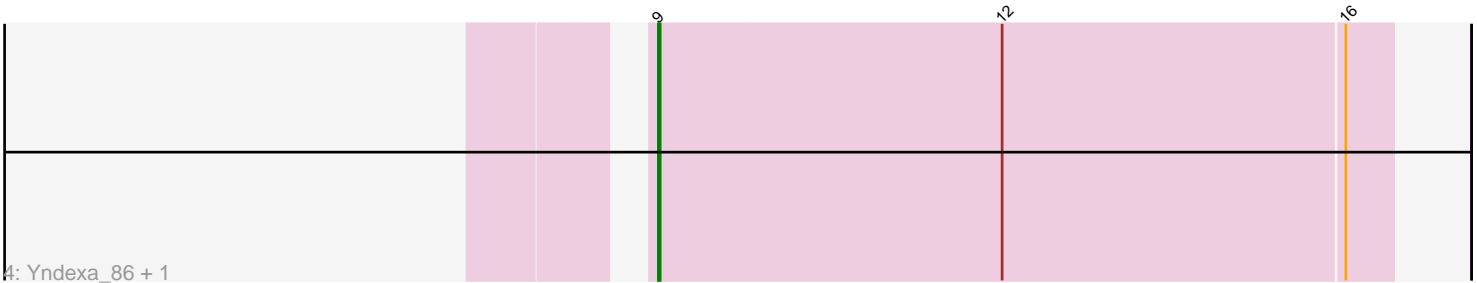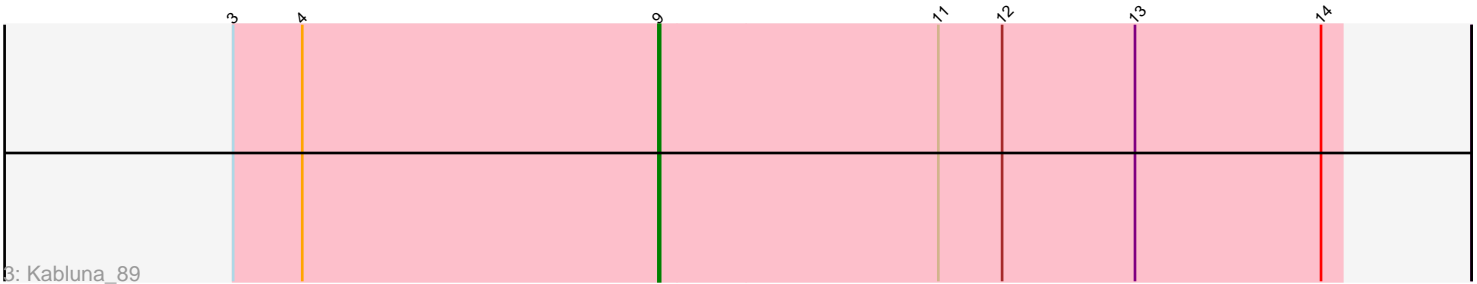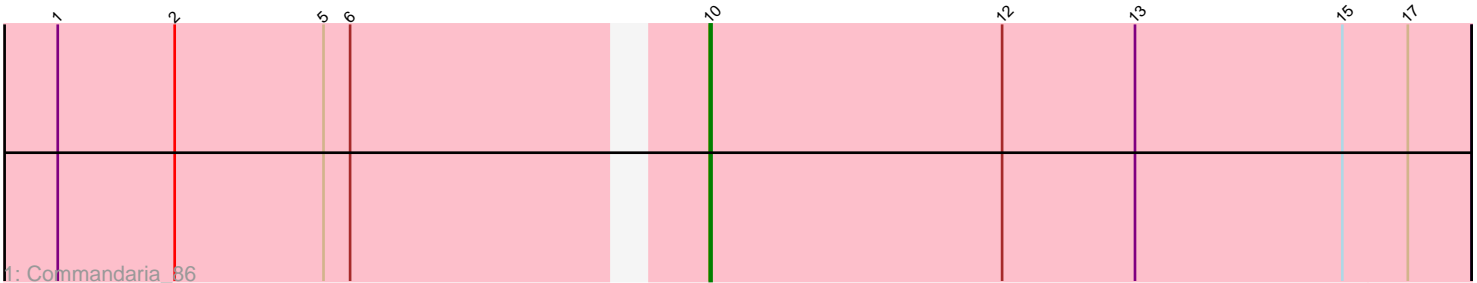# Pham 88394

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 88394 Report

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

Pham number 88394 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Commandaria_86
• Track 2 : Buggaboo_88
• Track 3 : Kabluna_89
• Track 4 : Yndexa_86, Sukkupi_86
• Track 5 : NadineRae_86

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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Buggaboo_88, Kabluna_89, NadineRae_86, Sukkupi_86, Yndexa_86,

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

Genes that do not have the "Most Annotated" start:
• Commandaria_86,

Summary by start number:

Start 9:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Buggaboo_88 (CR2), Kabluna_89 (CR2), NadineRae_86 (CR4), Sukkupi_86 (CR4), Yndexa_86 (CR4),

Start 10:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Commandaria_86 (CR2),

Summary by clusters:

There are 2 clusters represented in this pham: CR2, CR4,

Info for manual annotations of cluster CR2:
•Start number 9 was manually annotated 2 times for cluster CR2.
•Start number 10 was manually annotated 1 time for cluster CR2.

Info for manual annotations of cluster CR4:
•Start number 9 was manually annotated 3 times for cluster CR4.

Gene Information:

Gene: Buggaboo_88 Start: 64483, Stop: 64938, Start Num: 9
Candidate Starts for Buggaboo_88:
(Start: 9 @64483 has 5 MA's), (11, 64639), (12, 64675), (15, 64867), (18, 64927),

Gene: Commandaria_86 Start: 63698, Stop: 64126, Start Num: 10
Candidate Starts for Commandaria_86:
(1, 63353), (2, 63419), (5, 63503), (6, 63518), (Start: 10 @63698 has 1 MA's), (12, 63863), (13, 63938), (15, 64055), (17, 64091),

Gene: Kabluna_89 Start: 61737, Stop: 62120, Start Num: 9
Candidate Starts for Kabluna_89:
(3, 61497), (4, 61536), (Start: 9 @61737 has 5 MA's), (11, 61893), (12, 61929), (13, 62004), (14, 62109),

Gene: NadineRae_86 Start: 60212, Stop: 60613, Start Num: 9
Candidate Starts for NadineRae_86:
(7, 60149), (8, 60155), (Start: 9 @60212 has 5 MA's), (12, 60404),

Gene: Sukkupi_86 Start: 62018, Stop: 62425, Start Num: 9
Candidate Starts for Sukkupi_86:
(Start: 9 @62018 has 5 MA's), (12, 62210), (16, 62399),

Gene: Yndexa_86 Start: 62018, Stop: 62425, Start Num: 9
Candidate Starts for Yndexa_86:
(Start: 9 @62018 has 5 MA's), (12, 62210), (16, 62399),