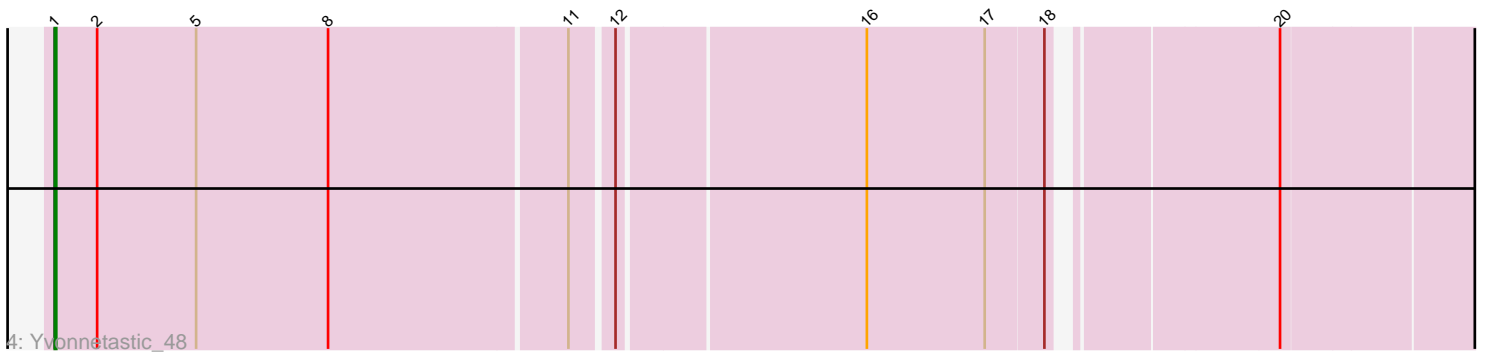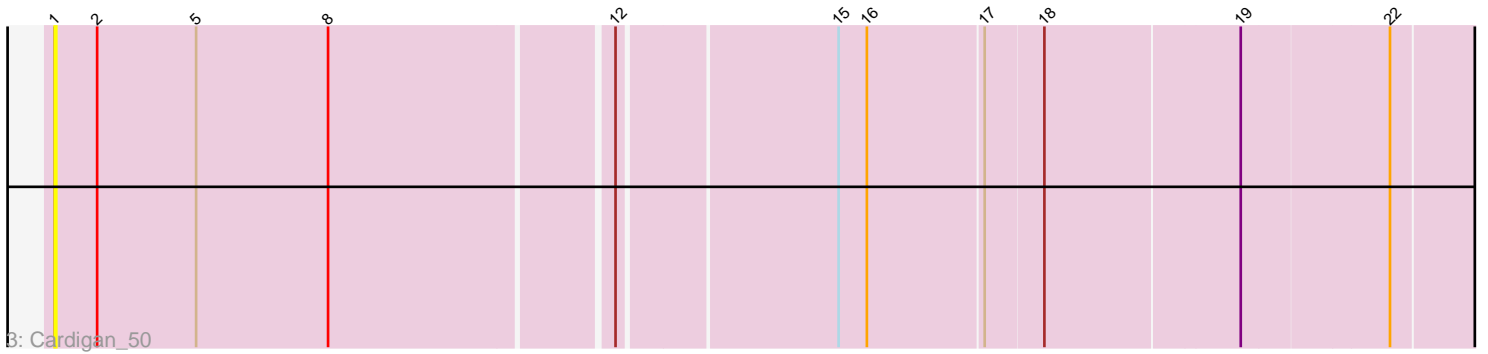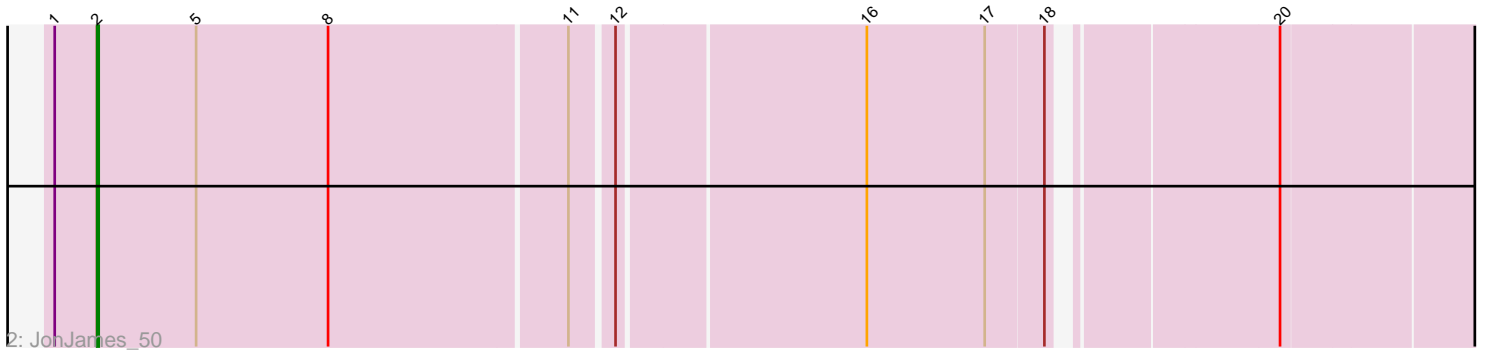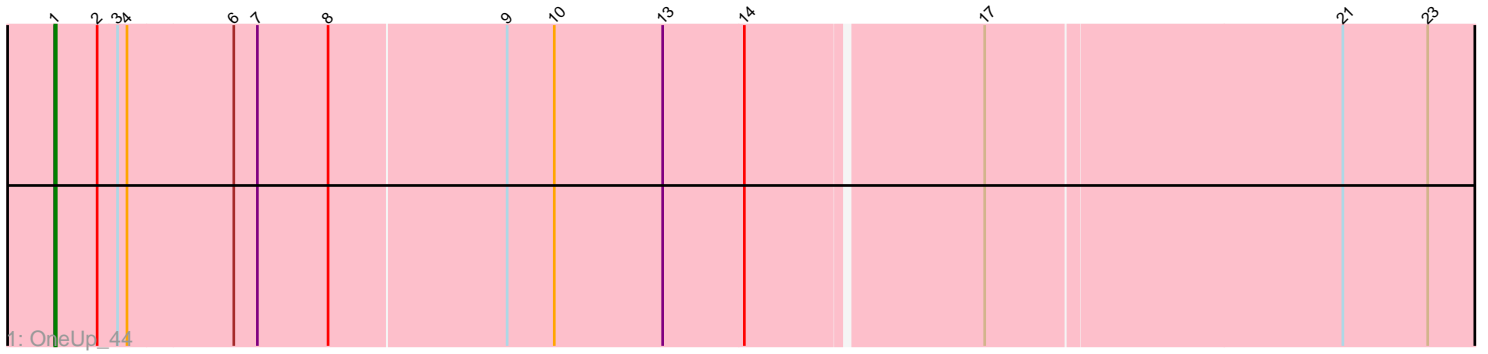# Pham 203866

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 203866 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203866 has 4 members, 1 are drafts.

Phages represented in each track:
• Track 1 : OneUp_44
• Track 2 : JonJames_50
• Track 3 : Cardigan_50
• Track 4 : Yvonnetastic_48

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

The start number called the most often in the published annotations is 1, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cardigan_50, OneUp_44, Yvonnetastic_48,

Genes that have the "Most Annotated" start but do not call it:
• JonJames_50,

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

Summary by start number:

Start 1:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Cardigan_50 (DD), OneUp_44 (CQ2), Yvonnetastic_48 (DD),

Start 2:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 25.0% of time when present
• Phage (with cluster) where this start called: JonJames_50 (DD),

Summary by clusters:

There are 2 clusters represented in this pham: CQ2, DD,

Info for manual annotations of cluster CQ2:
•Start number 1 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DD:
•Start number 1 was manually annotated 1 time for cluster DD.
•Start number 2 was manually annotated 1 time for cluster DD.

Gene Information:

Gene: Cardigan_50 Start: 35257, Stop: 36186, Start Num: 1
Candidate Starts for Cardigan_50:
(Start: 1 @35257 has 2 MA's), (Start: 2 @35284 has 1 MA's), (5, 35347), (8, 35431), (12, 35602), (15, 35734), (16, 35752), (17, 35824), (18, 35860), (19, 35980), (22, 36070),

Gene: JonJames_50 Start: 36217, Stop: 37089, Start Num: 2
Candidate Starts for JonJames_50:
(Start: 1 @36190 has 2 MA's), (Start: 2 @36217 has 1 MA's), (5, 36280), (8, 36364), (11, 36511), (12, 36535), (16, 36685), (17, 36760), (18, 36796), (20, 36922),

Gene: OneUp_44 Start: 29381, Stop: 30328, Start Num: 1
Candidate Starts for OneUp_44:
(Start: 1 @29381 has 2 MA's), (Start: 2 @29408 has 1 MA's), (3, 29420), (4, 29426), (6, 29492), (7, 29507), (8, 29552), (9, 29663), (10, 29693), (13, 29762), (14, 29813), (17, 29957), (21, 30179), (23, 30233),

Gene: Yvonnetastic_48 Start: 33725, Stop: 34624, Start Num: 1
Candidate Starts for Yvonnetastic_48:
(Start: 1 @33725 has 2 MA's), (Start: 2 @33752 has 1 MA's), (5, 33815), (8, 33899), (11, 34046), (12, 34070), (16, 34220), (17, 34295), (18, 34331), (20, 34457),