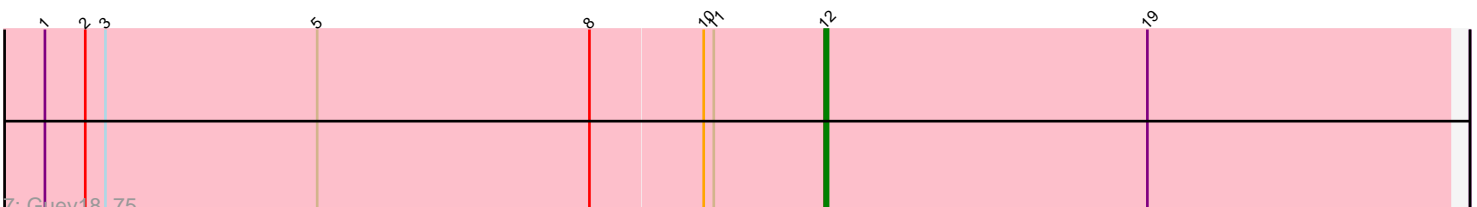
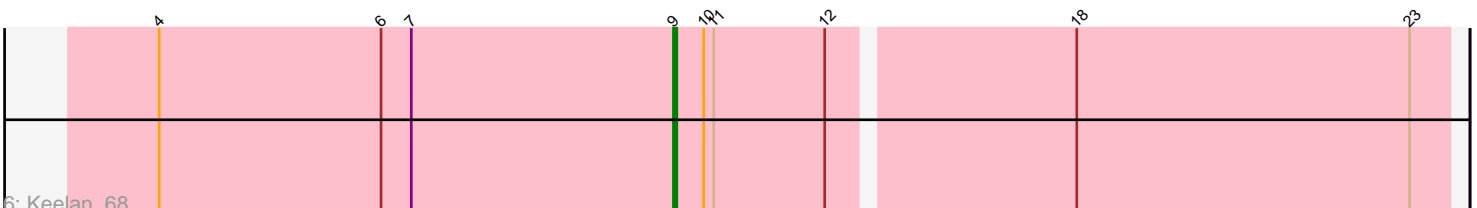
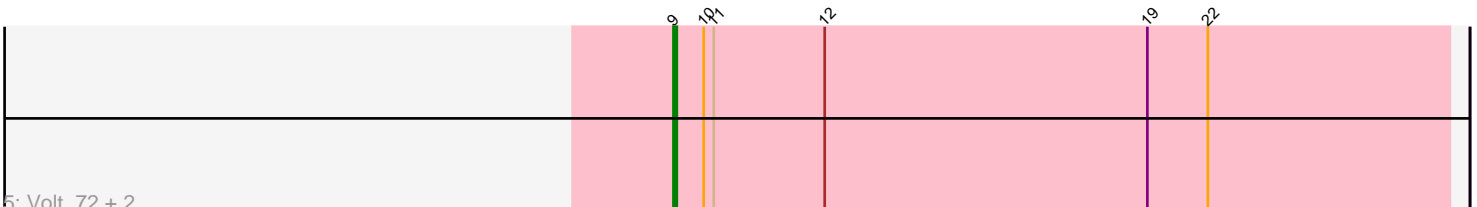
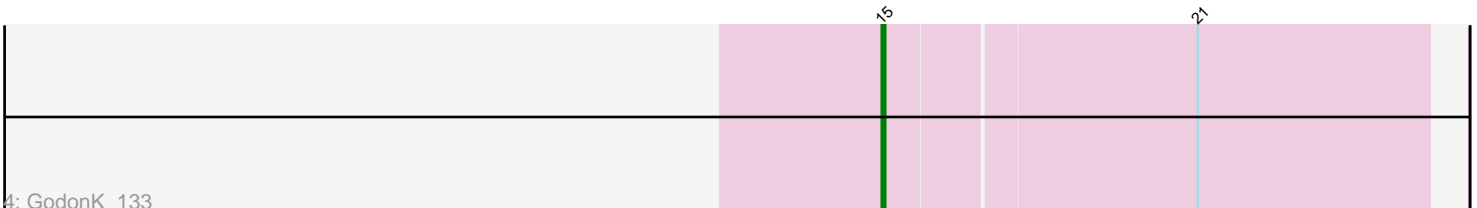
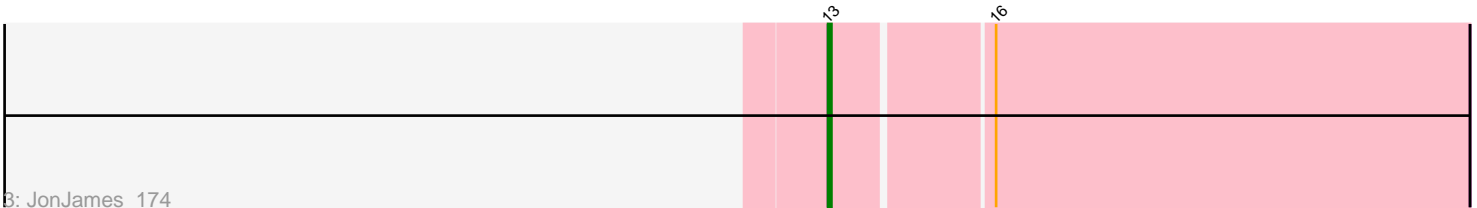
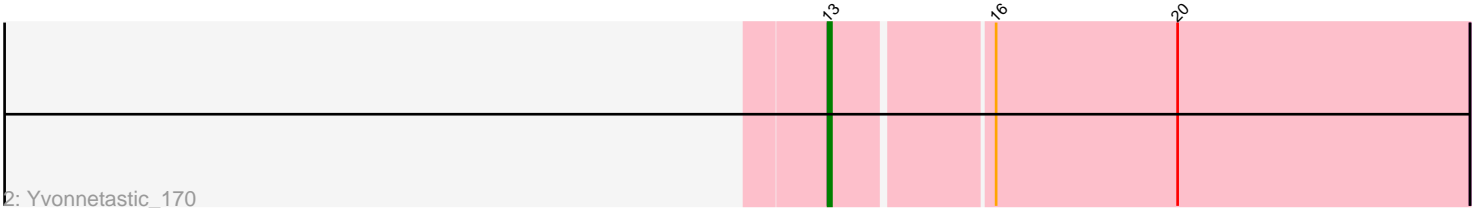
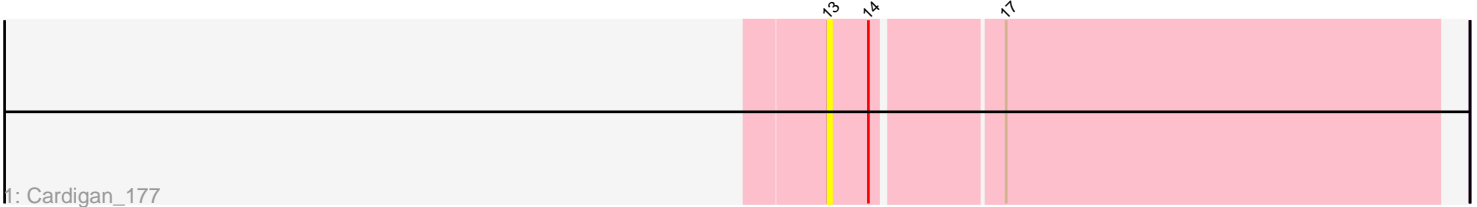


Pham 6561



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 6561 Report

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

Pham number 6561 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Cardigan_177
- Track 2 : Yvonnetastic_170
- Track 3 : JonJames_174
- Track 4 : GodonK_133
- Track 5 : Volt_72, Ziko_72, Ronaldo_72
- Track 6 : Keelan_68
- Track 7 : Guey18_75

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 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Keelan_68, Ronaldo_72, Volt_72, Ziko_72,

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

-

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

- Cardigan_177, GodonK_133, Guey18_75, JonJames_174, Yvonnetastic_170,

Summary by start number:

Start 9:

- Found in 4 of 9 (44.4%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Keelan_68 (DP), Ronaldo_72 (DP), Volt_72 (DP), Ziko_72 (DP),

Start 12:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 1 of 8

- Called 20.0% of time when present
- Phage (with cluster) where this start called: Guey18_75 (DP),

Start 13:

- Found in 3 of 9 (33.3%) 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: Cardigan_177 (DD), JonJames_174 (DD), Yvonnetastic_170 (DD),

Start 15:

- Found in 1 of 9 (11.1%) 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: GodonK_133 (DK),

Summary by clusters:

There are 3 clusters represented in this pham: DD, DK, DP,

Info for manual annotations of cluster DD:

- Start number 13 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DK:

- Start number 15 was manually annotated 1 time for cluster DK.

Info for manual annotations of cluster DP:

- Start number 9 was manually annotated 4 times for cluster DP.
- Start number 12 was manually annotated 1 time for cluster DP.

Gene Information:

Gene: Cardigan_177 Start: 89982, Stop: 89806, Start Num: 13

Candidate Starts for Cardigan_177:

(Start: 13 @89982 has 2 MA's), (14, 89970), (17, 89934),

Gene: GodonK_133 Start: 77696, Stop: 77538, Start Num: 15

Candidate Starts for GodonK_133:

(Start: 15 @77696 has 1 MA's), (21, 77606),

Gene: Guey18_75 Start: 39566, Stop: 39381, Start Num: 12

Candidate Starts for Guey18_75:

(1, 39797), (2, 39785), (3, 39779), (5, 39716), (8, 39635), (10, 39602), (11, 39599), (Start: 12 @39566 has 1 MA's), (19, 39470),

Gene: JonJames_174 Start: 91550, Stop: 91365, Start Num: 13

Candidate Starts for JonJames_174:

(Start: 13 @91550 has 2 MA's), (16, 91505),

Gene: Keelan_68 Start: 38454, Stop: 38230, Start Num: 9

Candidate Starts for Keelan_68:

(4, 38607), (6, 38541), (7, 38532), (Start: 9 @38454 has 4 MA's), (10, 38445), (11, 38442), (Start: 12 @38409 has 1 MA's), (18, 38340), (23, 38241),

Gene: Ronaldo_72 Start: 38980, Stop: 38750, Start Num: 9

Candidate Starts for Ronaldo_72:

(Start: 9 @38980 has 4 MA's), (10, 38971), (11, 38968), (Start: 12 @38935 has 1 MA's), (19, 38839), (22, 38821),

Gene: Volt_72 Start: 39144, Stop: 38914, Start Num: 9

Candidate Starts for Volt_72:

(Start: 9 @39144 has 4 MA's), (10, 39135), (11, 39132), (Start: 12 @39099 has 1 MA's), (19, 39003), (22, 38985),

Gene: Yvonnetastic_170 Start: 87697, Stop: 87512, Start Num: 13

Candidate Starts for Yvonnetastic_170:

(Start: 13 @87697 has 2 MA's), (16, 87652), (20, 87598),

Gene: Ziko_72 Start: 38966, Stop: 38736, Start Num: 9

Candidate Starts for Ziko_72:

(Start: 9 @38966 has 4 MA's), (10, 38957), (11, 38954), (Start: 12 @38921 has 1 MA's), (19, 38825), (22, 38807),