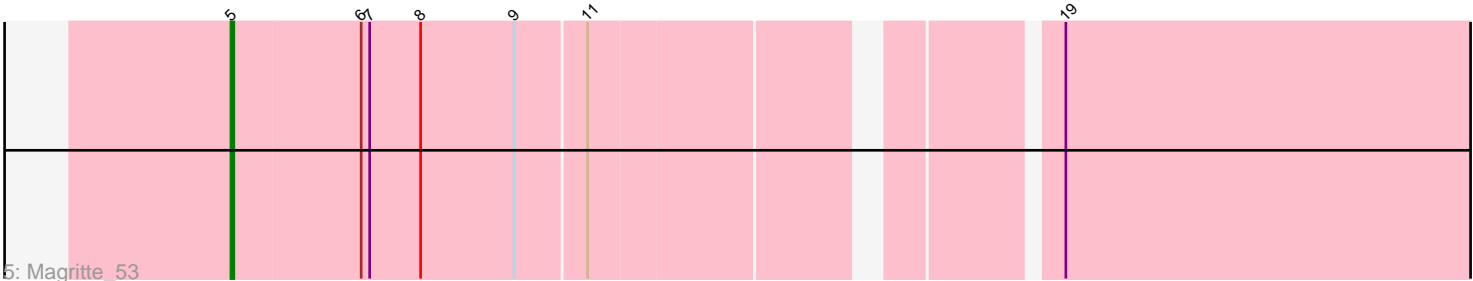
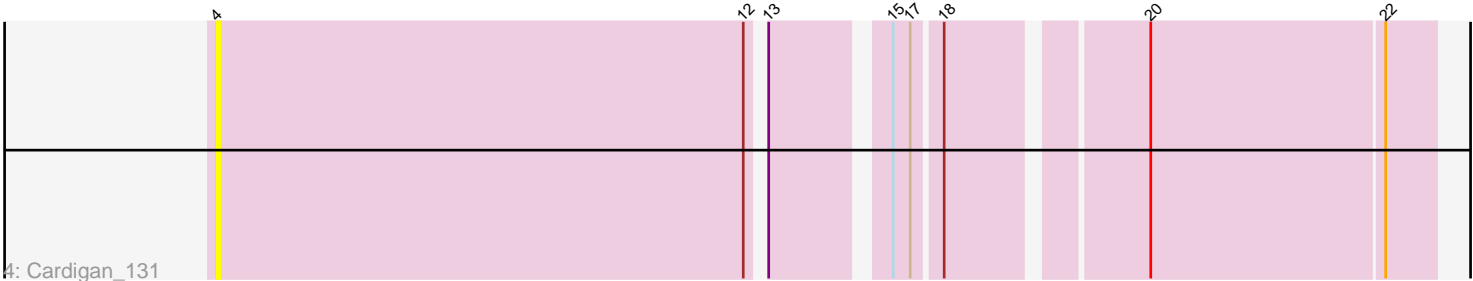
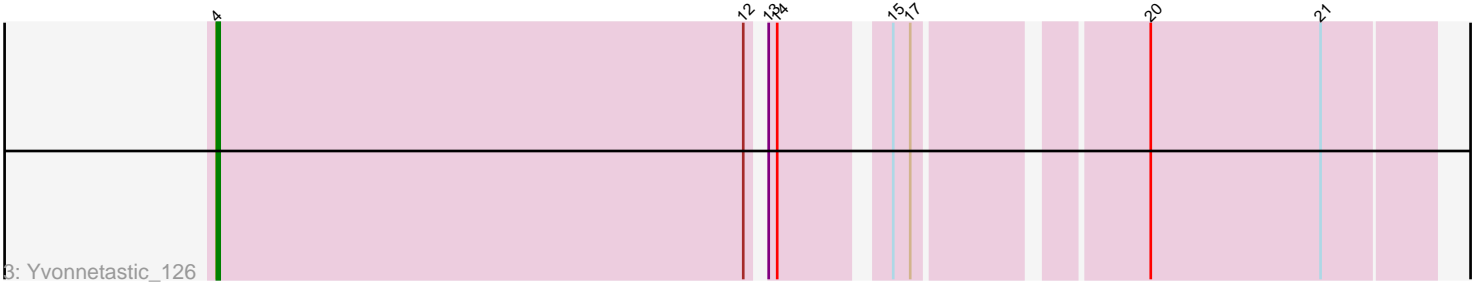
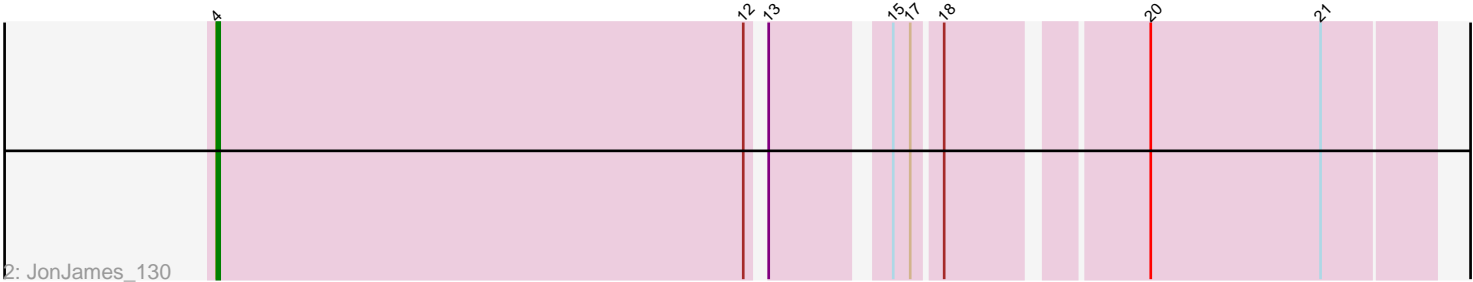


Pham 10413



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 10413 Report

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

Pham number 10413 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Sparky_79, Farewell_80
- Track 2 : JonJames_130
- Track 3 : Yvonnetastic_126
- Track 4 : Cardigan_131
- Track 5 : Magritte_53

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

The start number called the most often in the published annotations is 4, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cardigan_131, Farewell_80, JonJames_130, Sparky_79, Yvonnetastic_126,

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

-

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

- Magritte_53,

Summary by start number:

Start 4:

- Found in 5 of 6 (83.3%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_131 (DD), Farewell_80 (AF), JonJames_130 (DD), Sparky_79 (AF), Yvonnetastic_126 (DD),

Start 5:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Magritte_53 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, DD, AF,

Info for manual annotations of cluster AF:

- Start number 4 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster DD:

- Start number 4 was manually annotated 2 times for cluster DD.

Gene Information:

Gene: Cardigan_131 Start: 73958, Stop: 74359, Start Num: 4

Candidate Starts for Cardigan_131:

(Start: 4 @73958 has 4 MA's), (12, 74144), (13, 74147), (15, 74183), (17, 74189), (18, 74198), (20, 74261), (22, 74342),

Gene: Farewell_80 Start: 52409, Stop: 52825, Start Num: 4

Candidate Starts for Farewell_80:

(1, 52340), (2, 52346), (3, 52364), (Start: 4 @52409 has 4 MA's), (7, 52463), (10, 52523), (16, 52652),

Gene: JonJames_130 Start: 74908, Stop: 75309, Start Num: 4

Candidate Starts for JonJames_130:

(Start: 4 @74908 has 4 MA's), (12, 75094), (13, 75097), (15, 75133), (17, 75139), (18, 75148), (20, 75211), (21, 75271),

Gene: Magritte_53 Start: 51248, Stop: 51688, Start Num: 5

Candidate Starts for Magritte_53:

(Start: 5 @51248 has 1 MA's), (6, 51293), (7, 51296), (8, 51314), (9, 51347), (11, 51371), (19, 51515),

Gene: Sparky_79 Start: 54003, Stop: 54419, Start Num: 4

Candidate Starts for Sparky_79:

(1, 53934), (2, 53940), (3, 53958), (Start: 4 @54003 has 4 MA's), (7, 54057), (10, 54117), (16, 54246),

Gene: Yvonnetastic_126 Start: 71188, Stop: 71589, Start Num: 4

Candidate Starts for Yvonnetastic_126:

(Start: 4 @71188 has 4 MA's), (12, 71374), (13, 71377), (14, 71380), (15, 71413), (17, 71419), (20, 71491), (21, 71551),