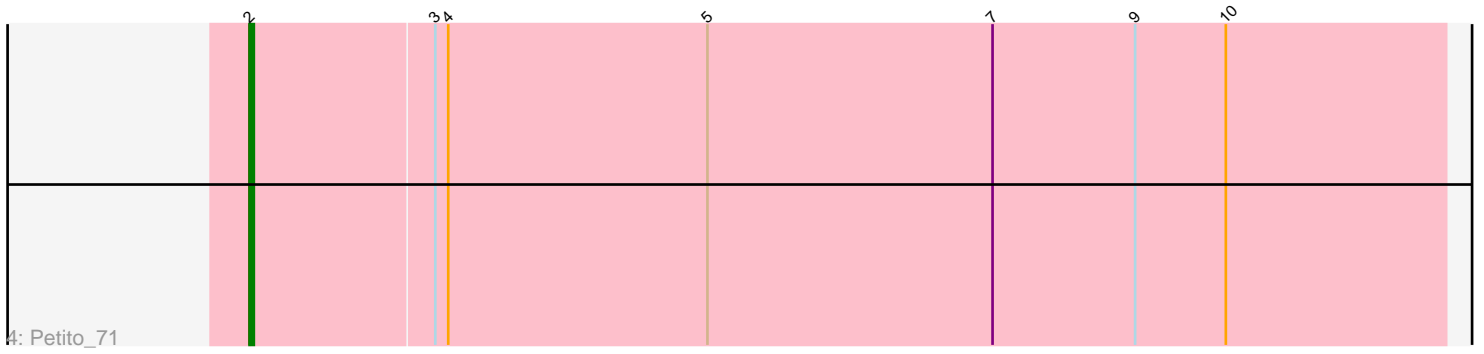
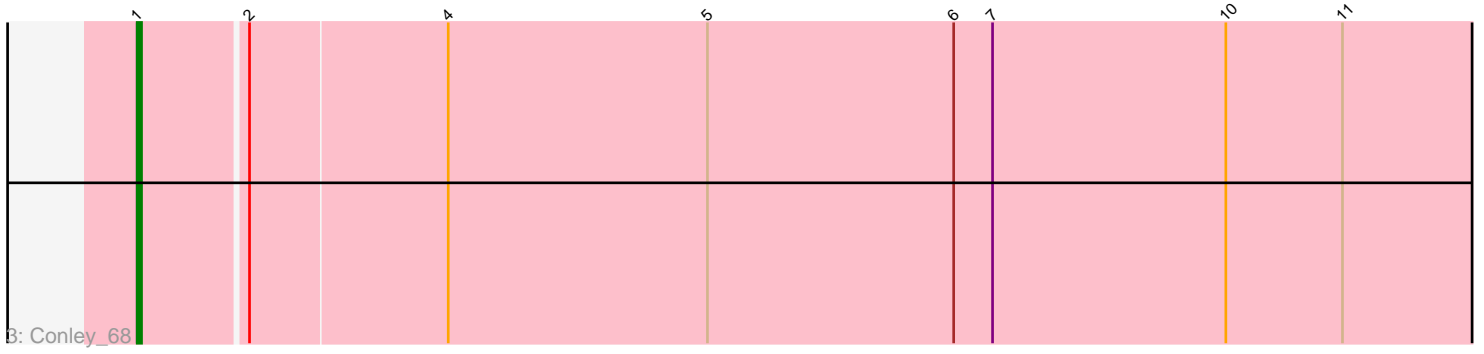
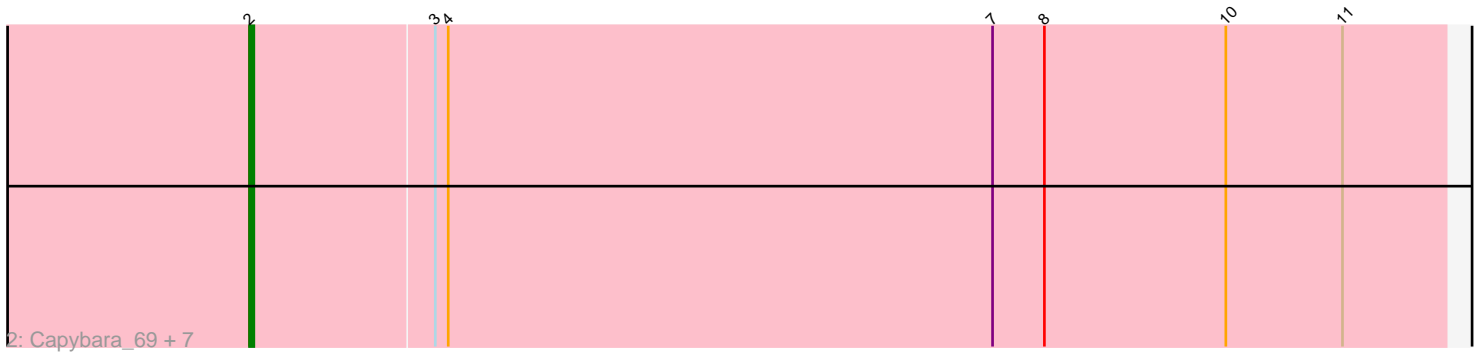
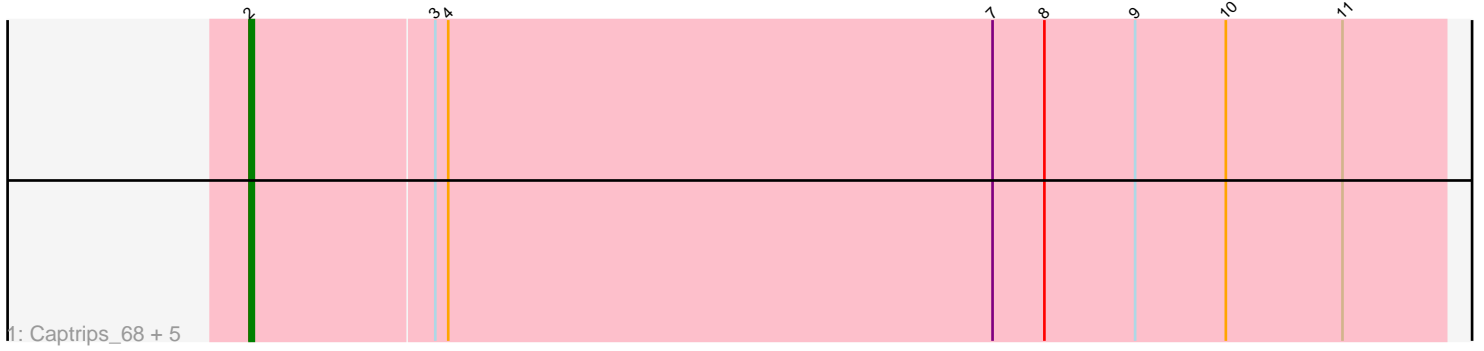


Pham 196920



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 196920 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196920 has 16 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Captrips\_68, NoPickles\_68, Avazak\_70, JulesRay\_71, Artorias\_69, FortCran\_69
- Track 2 : Capybara\_69, Kerry\_68, Magel\_70, Gill\_69, Roney\_69, Gravy\_68, Odesza\_68, Tanis\_69
- Track 3 : Conley\_68
- Track 4 : Petito\_71

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

The start number called the most often in the published annotations is 2, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artorias\_69, Avazak\_70, Captrips\_68, Capybara\_69, FortCran\_69, Gill\_69, Gravy\_68, JulesRay\_71, Kerry\_68, Magel\_70, NoPickles\_68, Odesza\_68, Petito\_71, Roney\_69, Tanis\_69,

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

- Conley\_68,

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

- 

### **Summary by start number:**

Start 1:

- Found in 1 of 16 ( 6.2% ) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Conley\_68 (DJ),

Start 2:

- Found in 16 of 16 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 13 of 14

- Called 93.8% of time when present
- Phage (with cluster) where this start called: Artorias\_69 (DJ), Avazak\_70 (DJ), Captrips\_68 (DJ), Capybara\_69 (DJ), FortCran\_69 (DJ), Gill\_69 (DJ), Gravy\_68 (DJ), JulesRay\_71 (DJ), Kerry\_68 (DJ), Magel\_70 (DJ), NoPickles\_68 (DJ), Odesza\_68 (DJ), Petite\_71 (DJ), Roney\_69 (DJ), Tanis\_69 (DJ),

### Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:

- Start number 1 was manually annotated 1 time for cluster DJ.
- Start number 2 was manually annotated 13 times for cluster DJ.

### Gene Information:

Gene: Artorias\_69 Start: 48091, Stop: 48366, Start Num: 2

Candidate Starts for Artorias\_69:

(Start: 2 @48091 has 13 MA's), (3, 48133), (4, 48136), (7, 48262), (8, 48274), (9, 48295), (10, 48316), (11, 48343),

Gene: Avazak\_70 Start: 48418, Stop: 48693, Start Num: 2

Candidate Starts for Avazak\_70:

(Start: 2 @48418 has 13 MA's), (3, 48460), (4, 48463), (7, 48589), (8, 48601), (9, 48622), (10, 48643), (11, 48670),

Gene: Captrips\_68 Start: 47566, Stop: 47841, Start Num: 2

Candidate Starts for Captrips\_68:

(Start: 2 @47566 has 13 MA's), (3, 47608), (4, 47611), (7, 47737), (8, 47749), (9, 47770), (10, 47791), (11, 47818),

Gene: Capybara\_69 Start: 47899, Stop: 48174, Start Num: 2

Candidate Starts for Capybara\_69:

(Start: 2 @47899 has 13 MA's), (3, 47941), (4, 47944), (7, 48070), (8, 48082), (10, 48124), (11, 48151),

Gene: Conley\_68 Start: 48675, Stop: 48983, Start Num: 1

Candidate Starts for Conley\_68:

(Start: 1 @48675 has 1 MA's), (Start: 2 @48699 has 13 MA's), (4, 48744), (5, 48804), (6, 48861), (7, 48870), (10, 48924), (11, 48951),

Gene: FortCran\_69 Start: 48091, Stop: 48366, Start Num: 2

Candidate Starts for FortCran\_69:

(Start: 2 @48091 has 13 MA's), (3, 48133), (4, 48136), (7, 48262), (8, 48274), (9, 48295), (10, 48316), (11, 48343),

Gene: Gill\_69 Start: 47911, Stop: 48186, Start Num: 2

Candidate Starts for Gill\_69:

(Start: 2 @47911 has 13 MA's), (3, 47953), (4, 47956), (7, 48082), (8, 48094), (10, 48136), (11, 48163),

Gene: Gravy\_68 Start: 47589, Stop: 47864, Start Num: 2  
Candidate Starts for Gravy\_68:  
(Start: 2 @47589 has 13 MA's), (3, 47631), (4, 47634), (7, 47760), (8, 47772), (10, 47814), (11, 47841),

Gene: JulesRay\_71 Start: 48084, Stop: 48359, Start Num: 2  
Candidate Starts for JulesRay\_71:  
(Start: 2 @48084 has 13 MA's), (3, 48126), (4, 48129), (7, 48255), (8, 48267), (9, 48288), (10, 48309), (11, 48336),

Gene: Kerry\_68 Start: 47589, Stop: 47864, Start Num: 2  
Candidate Starts for Kerry\_68:  
(Start: 2 @47589 has 13 MA's), (3, 47631), (4, 47634), (7, 47760), (8, 47772), (10, 47814), (11, 47841),

Gene: Magel\_70 Start: 47826, Stop: 48101, Start Num: 2  
Candidate Starts for Magel\_70:  
(Start: 2 @47826 has 13 MA's), (3, 47868), (4, 47871), (7, 47997), (8, 48009), (10, 48051), (11, 48078),

Gene: NoPickles\_68 Start: 47252, Stop: 47527, Start Num: 2  
Candidate Starts for NoPickles\_68:  
(Start: 2 @47252 has 13 MA's), (3, 47294), (4, 47297), (7, 47423), (8, 47435), (9, 47456), (10, 47477), (11, 47504),

Gene: Odesza\_68 Start: 47770, Stop: 48045, Start Num: 2  
Candidate Starts for Odesza\_68:  
(Start: 2 @47770 has 13 MA's), (3, 47812), (4, 47815), (7, 47941), (8, 47953), (10, 47995), (11, 48022),

Gene: Petite\_71 Start: 49343, Stop: 49618, Start Num: 2  
Candidate Starts for Petite\_71:  
(Start: 2 @49343 has 13 MA's), (3, 49385), (4, 49388), (5, 49448), (7, 49514), (9, 49547), (10, 49568),

Gene: Roney\_69 Start: 47936, Stop: 48211, Start Num: 2  
Candidate Starts for Roney\_69:  
(Start: 2 @47936 has 13 MA's), (3, 47978), (4, 47981), (7, 48107), (8, 48119), (10, 48161), (11, 48188),

Gene: Tanis\_69 Start: 47756, Stop: 48031, Start Num: 2  
Candidate Starts for Tanis\_69:  
(Start: 2 @47756 has 13 MA's), (3, 47798), (4, 47801), (7, 47927), (8, 47939), (10, 47981), (11, 48008),