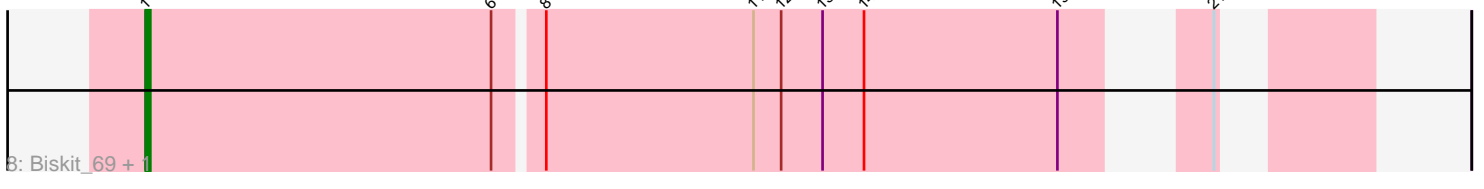
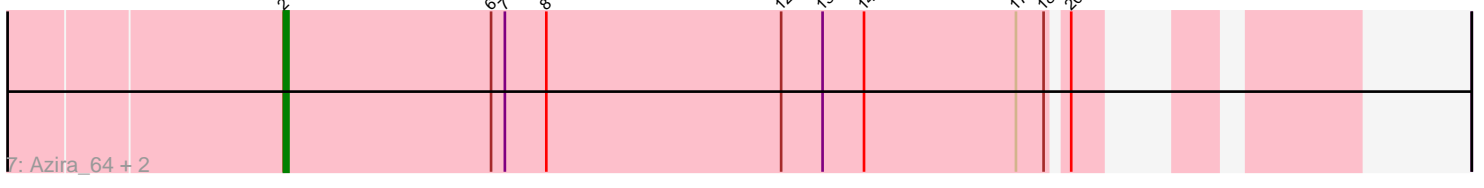
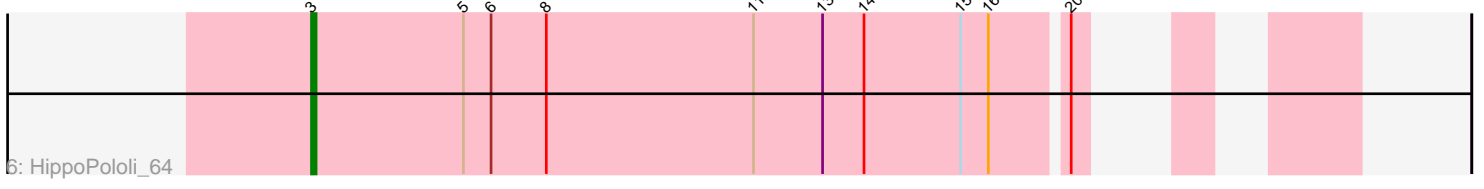
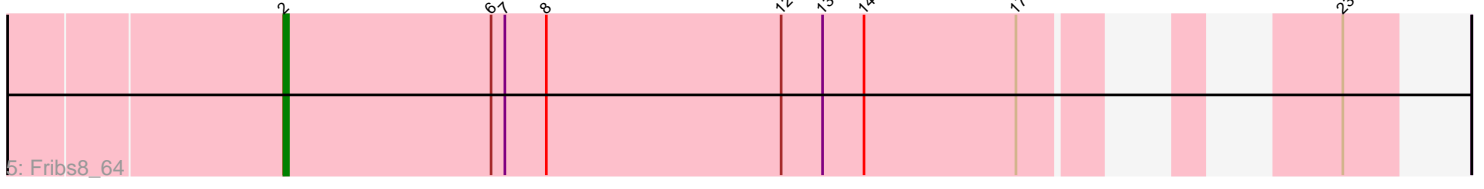
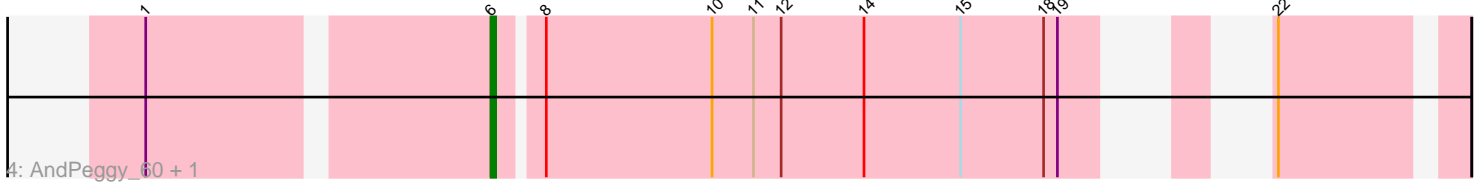
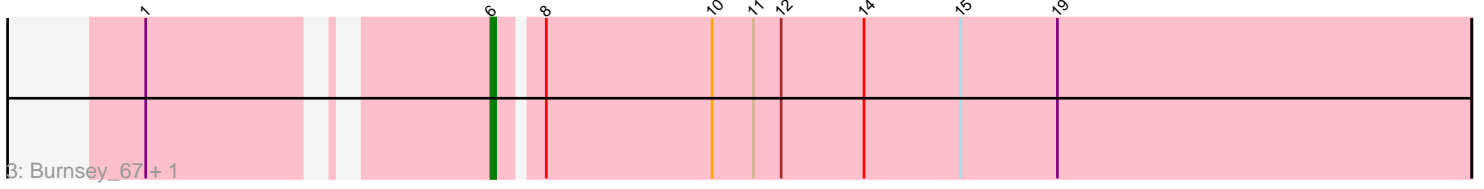
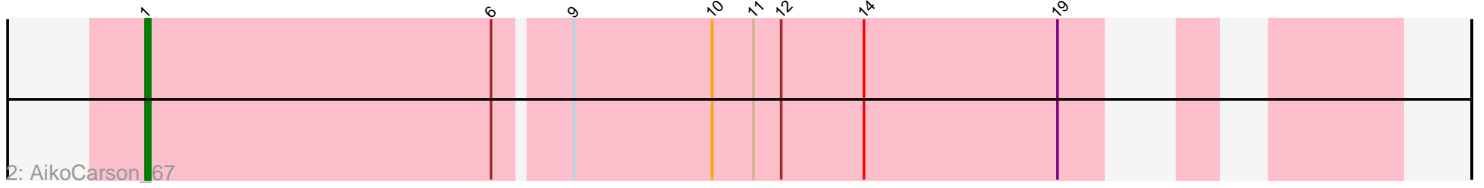
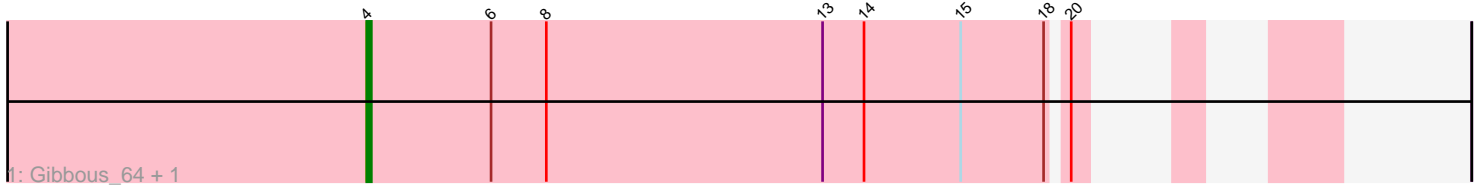


Pham 188547



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 188547 Report

This analysis was run 11/02/24 on database version 579.

Pham number 188547 has 14 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Gibbous\_64, Dre3\_64
- Track 2 : AikoCarson\_67
- Track 3 : Burnsey\_67, Quasar\_68
- Track 4 : AndPeggy\_60, Yarn\_61
- Track 5 : Fribs8\_64
- Track 6 : HippoPololi\_64
- Track 7 : Azira\_64, MaVan\_64, Survivors\_66
- Track 8 : Biskit\_69, SketchMex\_67

### ***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 4 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Azira\_64, Fribs8\_64, MaVan\_64, Survivors\_66,

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

- 

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

- AikoCarson\_67, AndPeggy\_60, Biskit\_69, Burnsey\_67, Dre3\_64, Gibbous\_64, HippoPololi\_64, Quasar\_68, SketchMex\_67, Yarn\_61,

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

Start 1:

- Found in 7 of 14 ( 50.0% ) of genes in pham
- Manual Annotations of this start: 3 of 14
- Called 42.9% of time when present
- Phage (with cluster) where this start called: AikoCarson\_67 (CT), Biskit\_69 (CT), SketchMex\_67 (CT),

Start 2:

- Found in 4 of 14 ( 28.6% ) of genes in pham
- Manual Annotations of this start: 4 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azira\_64 (CT), Fribs8\_64 (CT), MaVan\_64 (CT), Survivors\_66 (CT),

#### Start 3:

- Found in 1 of 14 ( 7.1% ) 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: HippoPololi\_64 (CT),

#### Start 4:

- Found in 2 of 14 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 2 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dre3\_64 (CT), Gibbous\_64 (CT),

#### Start 6:

- Found in 14 of 14 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 4 of 14
- Called 28.6% of time when present
- Phage (with cluster) where this start called: AndPeggy\_60 (CT), Burnsey\_67 (CT), Quasar\_68 (CT), Yarn\_61 (CT),

### **Summary by clusters:**

There is one cluster represented in this pham: CT

#### Info for manual annotations of cluster CT:

- Start number 1 was manually annotated 3 times for cluster CT.
- Start number 2 was manually annotated 4 times for cluster CT.
- Start number 3 was manually annotated 1 time for cluster CT.
- Start number 4 was manually annotated 2 times for cluster CT.
- Start number 6 was manually annotated 4 times for cluster CT.

### **Gene Information:**

Gene: AikoCarson\_67 Start: 44165, Stop: 44407, Start Num: 1

Candidate Starts for AikoCarson\_67:

(Start: 1 @44165 has 3 MA's), (Start: 6 @44240 has 4 MA's), (9, 44255), (10, 44285), (11, 44294), (12, 44300), (14, 44318), (19, 44360),

Gene: AndPeggy\_60 Start: 43276, Stop: 43449, Start Num: 6

Candidate Starts for AndPeggy\_60:

(Start: 1 @43207 has 3 MA's), (Start: 6 @43276 has 4 MA's), (8, 43285), (10, 43321), (11, 43330), (12, 43336), (14, 43354), (15, 43375), (18, 43393), (19, 43396), (22, 43414),

Gene: Azira\_64 Start: 44044, Stop: 44253, Start Num: 2

Candidate Starts for Azira\_64:

(Start: 2 @44044 has 4 MA's), (Start: 6 @44089 has 4 MA's), (7, 44092), (8, 44101), (12, 44152), (13, 44161), (14, 44170), (17, 44203), (18, 44209), (20, 44212),

Gene: Biskit\_69 Start: 44728, Stop: 44964, Start Num: 1

Candidate Starts for Biskit\_69:

(Start: 1 @44728 has 3 MA's), (Start: 6 @44803 has 4 MA's), (8, 44812), (11, 44857), (12, 44863), (13, 44872), (14, 44881), (19, 44923), (21, 44941),

Gene: Burnsey\_67 Start: 44874, Stop: 45083, Start Num: 6

Candidate Starts for Burnsey\_67:

(Start: 1 @44811 has 3 MA's), (Start: 6 @44874 has 4 MA's), (8, 44883), (10, 44919), (11, 44928), (12, 44934), (14, 44952), (15, 44973), (19, 44994),

Gene: Dre3\_64 Start: 44202, Stop: 44378, Start Num: 4

Candidate Starts for Dre3\_64:

(Start: 4 @44202 has 2 MA's), (Start: 6 @44229 has 4 MA's), (8, 44241), (13, 44301), (14, 44310), (15, 44331), (18, 44349), (20, 44352),

Gene: Fribs8\_64 Start: 44678, Stop: 44887, Start Num: 2

Candidate Starts for Fribs8\_64:

(Start: 2 @44678 has 4 MA's), (Start: 6 @44723 has 4 MA's), (7, 44726), (8, 44735), (12, 44786), (13, 44795), (14, 44804), (17, 44837), (23, 44876),

Gene: Gibbous\_64 Start: 44202, Stop: 44378, Start Num: 4

Candidate Starts for Gibbous\_64:

(Start: 4 @44202 has 2 MA's), (Start: 6 @44229 has 4 MA's), (8, 44241), (13, 44301), (14, 44310), (15, 44331), (18, 44349), (20, 44352),

Gene: HippoPololi\_64 Start: 43762, Stop: 43956, Start Num: 3

Candidate Starts for HippoPololi\_64:

(Start: 3 @43762 has 1 MA's), (5, 43795), (Start: 6 @43801 has 4 MA's), (8, 43813), (11, 43858), (13, 43873), (14, 43882), (15, 43903), (16, 43909), (20, 43924),

Gene: MaVan\_64 Start: 44074, Stop: 44283, Start Num: 2

Candidate Starts for MaVan\_64:

(Start: 2 @44074 has 4 MA's), (Start: 6 @44119 has 4 MA's), (7, 44122), (8, 44131), (12, 44182), (13, 44191), (14, 44200), (17, 44233), (18, 44239), (20, 44242),

Gene: Quasar\_68 Start: 45648, Stop: 45857, Start Num: 6

Candidate Starts for Quasar\_68:

(Start: 1 @45585 has 3 MA's), (Start: 6 @45648 has 4 MA's), (8, 45657), (10, 45693), (11, 45702), (12, 45708), (14, 45726), (15, 45747), (19, 45768),

Gene: SketchMex\_67 Start: 44728, Stop: 44964, Start Num: 1

Candidate Starts for SketchMex\_67:

(Start: 1 @44728 has 3 MA's), (Start: 6 @44803 has 4 MA's), (8, 44812), (11, 44857), (12, 44863), (13, 44872), (14, 44881), (19, 44923), (21, 44941),

Gene: Survivors\_66 Start: 44109, Stop: 44309, Start Num: 2

Candidate Starts for Survivors\_66:

(Start: 2 @44109 has 4 MA's), (Start: 6 @44154 has 4 MA's), (7, 44157), (8, 44166), (12, 44217), (13, 44226), (14, 44235), (17, 44268), (18, 44274), (20, 44277),

Gene: Yarn\_61 Start: 43281, Stop: 43460, Start Num: 6

Candidate Starts for Yarn\_61:

(Start: 1 @43212 has 3 MA's), (Start: 6 @43281 has 4 MA's), (8, 43290), (10, 43326), (11, 43335),  
(12, 43341), (14, 43359), (15, 43380), (18, 43398), (19, 43401), (22, 43425),