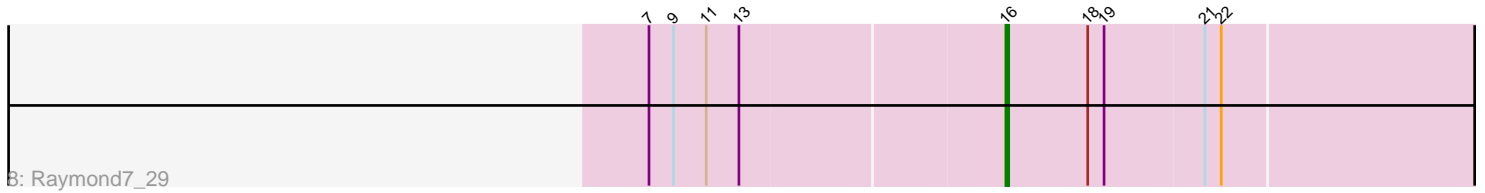
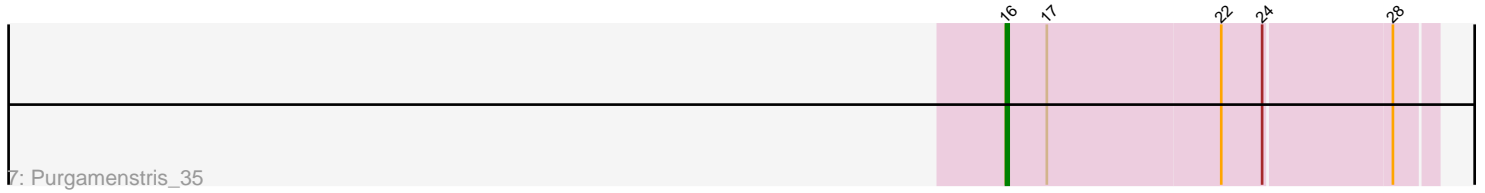
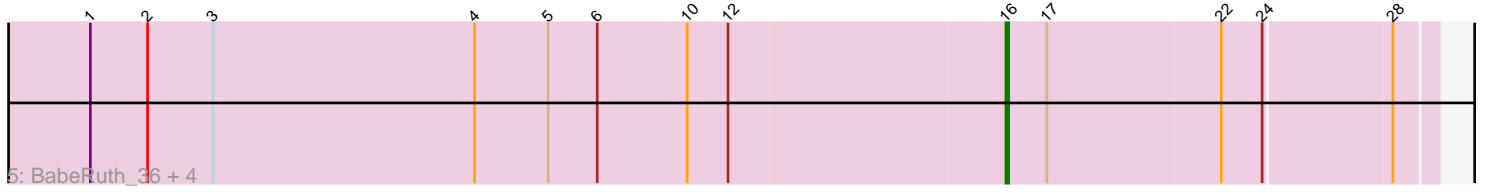
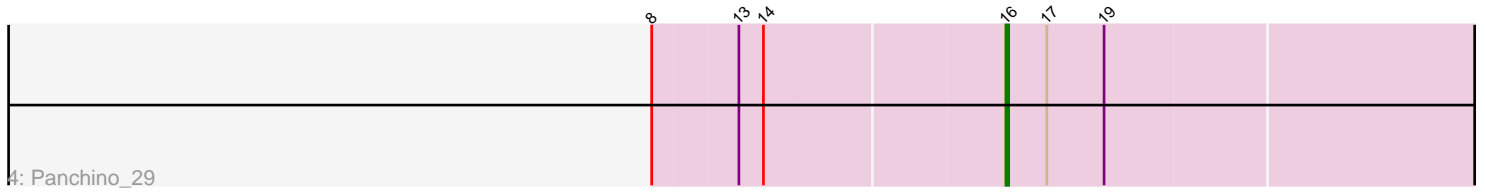
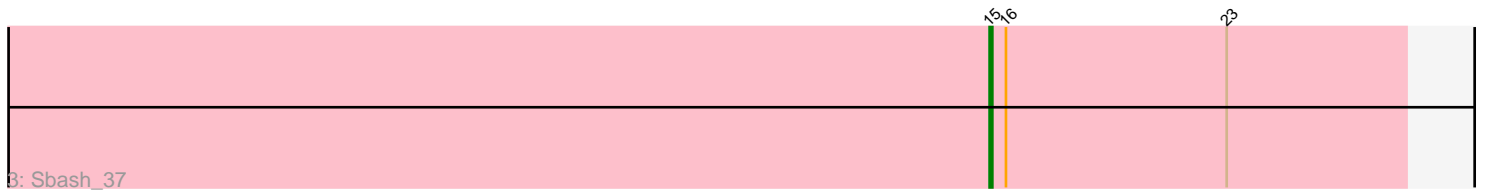
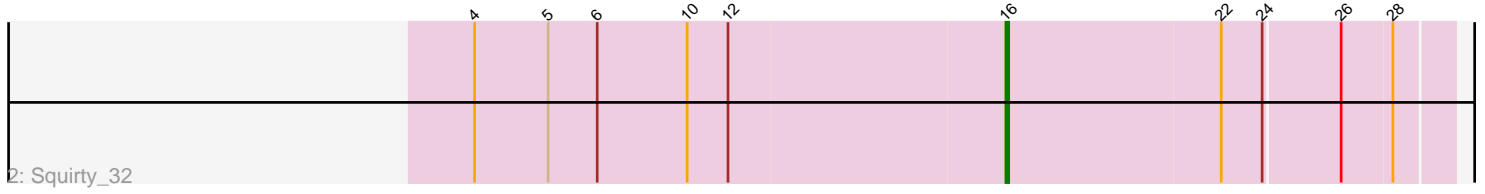
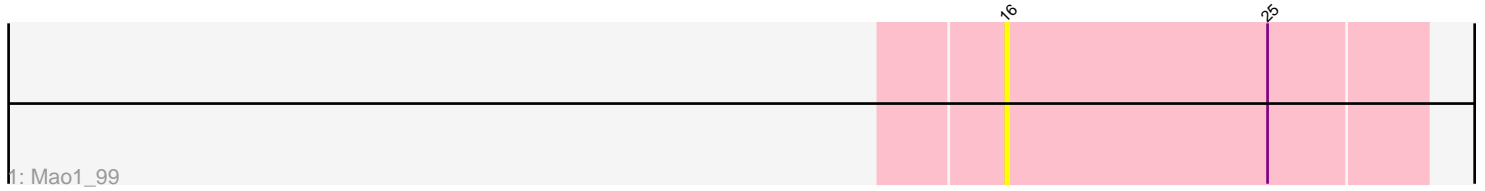


Pham 164061



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 164061 Report

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

Pham number 164061 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Mao1\_99
- Track 2 : Squirty\_32
- Track 3 : Sbash\_37
- Track 4 : Panchino\_29
- Track 5 : BabeRuth\_36, ShrimpFriedEgg\_35, PhancyPhin\_35, Redi\_35, Nenae\_35
- Track 6 : Kevin1\_32
- Track 7 : Purgamenstris\_35
- Track 8 : Raymond7\_29

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

The start number called the most often in the published annotations is 16, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BabeRuth\_36, Kevin1\_32, Mao1\_99, Nenae\_35, Panchino\_29, PhancyPhin\_35, Purgamenstris\_35, Raymond7\_29, Redi\_35, ShrimpFriedEgg\_35, Squirty\_32,

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

- Sbash\_37,

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

- 

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

Start 15:

- Found in 1 of 12 ( 8.3% ) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sbash\_37 (I2),

Start 16:

- Found in 12 of 12 ( 100.0% ) of genes in pham

- Manual Annotations of this start: 10 of 11
- Called 91.7% of time when present
- Phage (with cluster) where this start called: BabeRuth\_36 (N), Kevin1\_32 (N), Mao1\_99 (AD), Nенаe\_35 (N), Panchino\_29 (N), PhancyPhin\_35 (N), Purgamenstris\_35 (N), Raymond7\_29 (N), Redi\_35 (N), ShrimpFriedEgg\_35 (N), Squirty\_32 (F3),

### **Summary by clusters:**

There are 4 clusters represented in this pham: I2, AD, F3, N,

Info for manual annotations of cluster F3:

- Start number 16 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster I2:

- Start number 15 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster N:

- Start number 16 was manually annotated 9 times for cluster N.

### **Gene Information:**

Gene: BabeRuth\_36 Start: 27631, Stop: 27479, Start Num: 16

Candidate Starts for BabeRuth\_36:

(1, 27964), (2, 27943), (3, 27919), (4, 27823), (5, 27796), (6, 27778), (10, 27745), (12, 27730), (Start: 16 @27631 has 10 MA's), (17, 27616), (22, 27553), (24, 27538), (28, 27493),

Gene: Kevin1\_32 Start: 26597, Stop: 26424, Start Num: 16

Candidate Starts for Kevin1\_32:

(Start: 16 @26597 has 10 MA's), (20, 26540), (21, 26525), (22, 26519), (24, 26504), (27, 26468),

Gene: Mao1\_99 Start: 63379, Stop: 63227, Start Num: 16

Candidate Starts for Mao1\_99:

(Start: 16 @63379 has 10 MA's), (25, 63283),

Gene: Nенаe\_35 Start: 27633, Stop: 27481, Start Num: 16

Candidate Starts for Nенаe\_35:

(1, 27966), (2, 27945), (3, 27921), (4, 27825), (5, 27798), (6, 27780), (10, 27747), (12, 27732), (Start: 16 @27633 has 10 MA's), (17, 27618), (22, 27555), (24, 27540), (28, 27495),

Gene: Panchino\_29 Start: 27165, Stop: 26995, Start Num: 16

Candidate Starts for Panchino\_29:

(8, 27288), (13, 27258), (14, 27249), (Start: 16 @27165 has 10 MA's), (17, 27150), (19, 27129),

Gene: PhancyPhin\_35 Start: 27627, Stop: 27475, Start Num: 16

Candidate Starts for PhancyPhin\_35:

(1, 27960), (2, 27939), (3, 27915), (4, 27819), (5, 27792), (6, 27774), (10, 27741), (12, 27726), (Start: 16 @27627 has 10 MA's), (17, 27612), (22, 27549), (24, 27534), (28, 27489),

Gene: Purgamenstris\_35 Start: 27630, Stop: 27478, Start Num: 16

Candidate Starts for Purgamenstris\_35:

(Start: 16 @27630 has 10 MA's), (17, 27615), (22, 27552), (24, 27537), (28, 27492),

Gene: Raymond7\_29 Start: 27456, Stop: 27286, Start Num: 16

Candidate Starts for Raymond7\_29:

(7, 27582), (9, 27573), (11, 27561), (13, 27549), (Start: 16 @27456 has 10 MA's), (18, 27426), (19, 27420), (21, 27384), (22, 27378),

Gene: Redi\_35 Start: 27630, Stop: 27478, Start Num: 16

Candidate Starts for Redi\_35:

(1, 27963), (2, 27942), (3, 27918), (4, 27822), (5, 27795), (6, 27777), (10, 27744), (12, 27729), (Start: 16 @27630 has 10 MA's), (17, 27615), (22, 27552), (24, 27537), (28, 27492),

Gene: Sbash\_37 Start: 31773, Stop: 31621, Start Num: 15

Candidate Starts for Sbash\_37:

(Start: 15 @31773 has 1 MA's), (Start: 16 @31767 has 10 MA's), (23, 31686),

Gene: ShrimpFriedEgg\_35 Start: 27630, Stop: 27478, Start Num: 16

Candidate Starts for ShrimpFriedEgg\_35:

(1, 27963), (2, 27942), (3, 27918), (4, 27822), (5, 27795), (6, 27777), (10, 27744), (12, 27729), (Start: 16 @27630 has 10 MA's), (17, 27615), (22, 27552), (24, 27537), (28, 27492),

Gene: Squirty\_32 Start: 27855, Stop: 27697, Start Num: 16

Candidate Starts for Squirty\_32:

(4, 28047), (5, 28020), (6, 28002), (10, 27969), (12, 27954), (Start: 16 @27855 has 10 MA's), (22, 27777), (24, 27762), (26, 27735), (28, 27717),