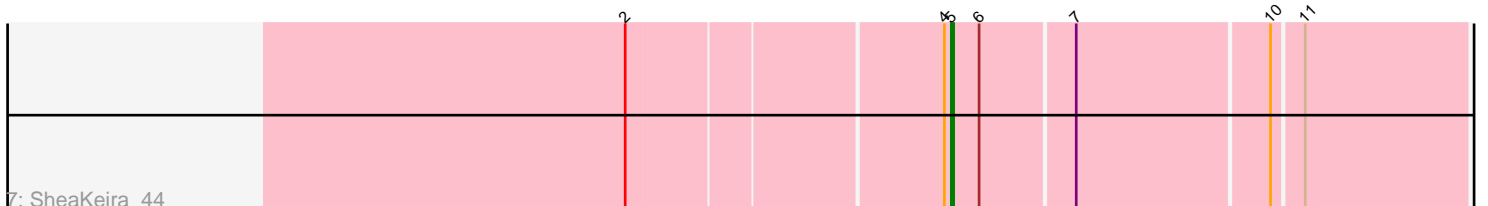
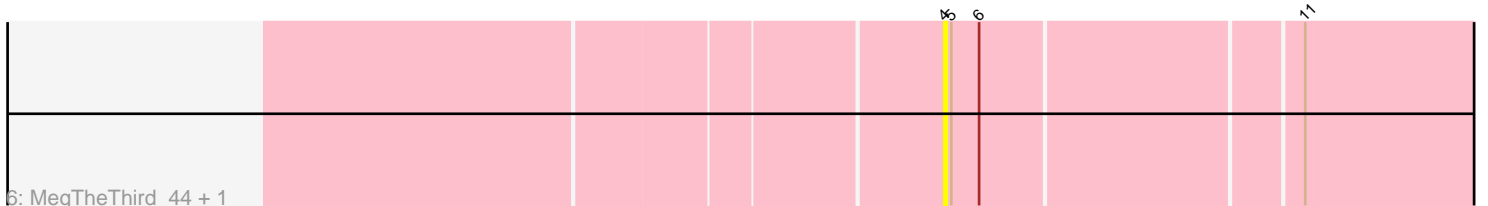
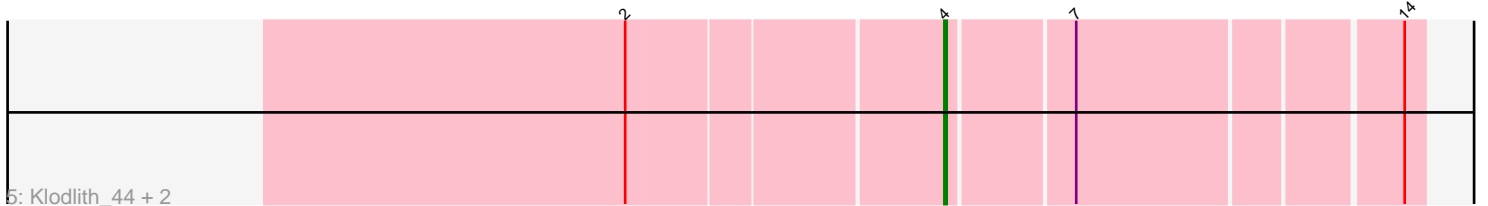
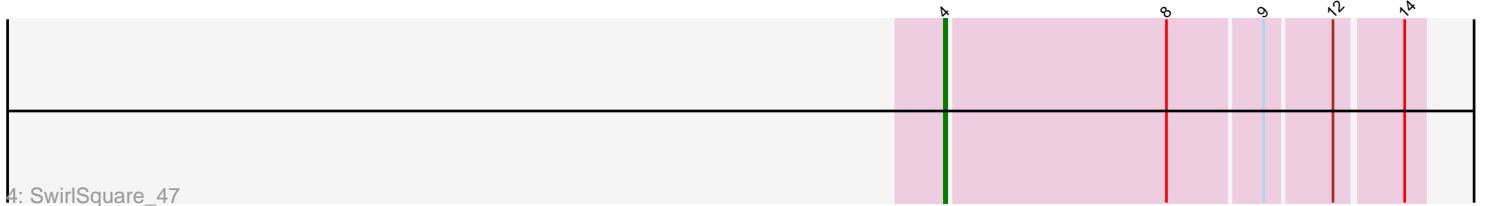
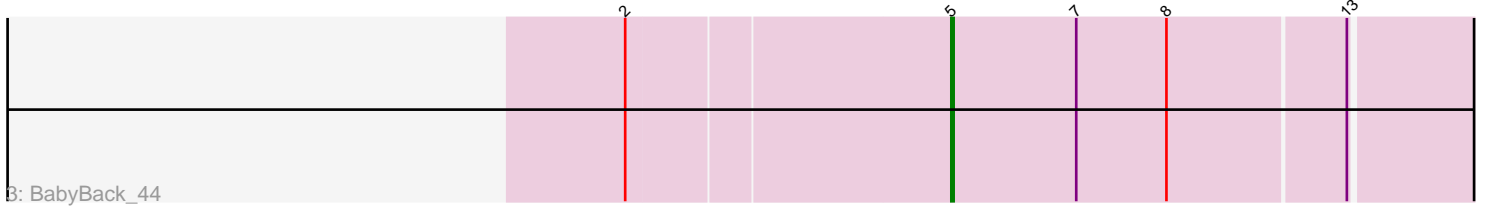
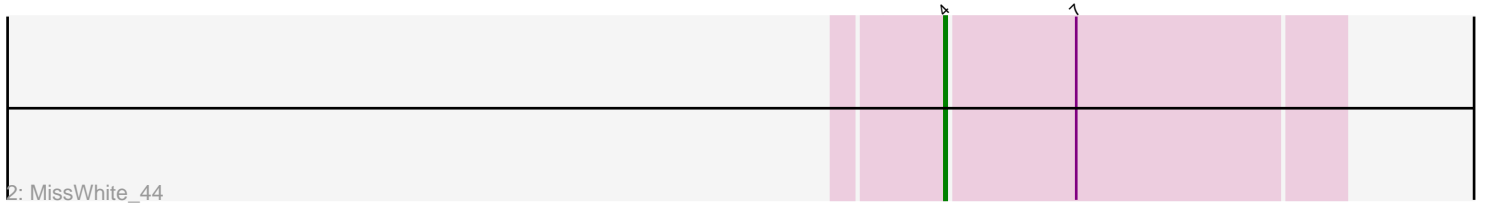
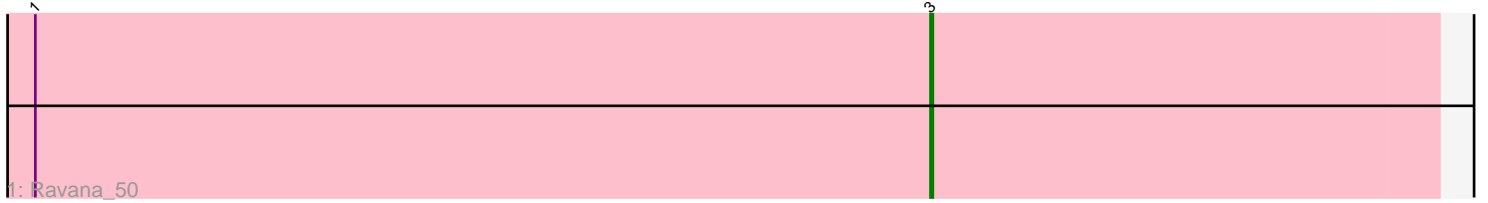


Pham 305498



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 305498 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305498 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Ravana\_50
- Track 2 : MissWhite\_44
- Track 3 : BabyBack\_44
- Track 4 : SwirlSquare\_47
- Track 5 : Klodlith\_44, Charm\_43, DreamTeam1\_43
- Track 6 : MegTheThird\_44, Celestiallunch\_44
- Track 7 : SheaKeira\_44

### ***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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Celestiallunch\_44, Charm\_43, DreamTeam1\_43, Klodlith\_44, MegTheThird\_44, MissWhite\_44, SwirlSquare\_47,

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

- SheaKeira\_44,

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

- BabyBack\_44, Ravana\_50,

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

Start 3:

- Found in 1 of 10 ( 10.0% ) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ravana\_50 (A15),

Start 4:

- Found in 8 of 10 ( 80.0% ) of genes in pham
- Manual Annotations of this start: 4 of 7

- Called 87.5% of time when present
- Phage (with cluster) where this start called: Celestiallunch\_44 (A9), Charm\_43 (A9), DreamTeam1\_43 (A9), Klodlith\_44 (A9), MegTheThird\_44 (A9), MissWhite\_44 (A2), SwirlSquare\_47 (A2),

Start 5:

- Found in 4 of 10 ( 40.0% ) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BabyBack\_44 (A2), SheaKeira\_44 (A9),

### **Summary by clusters:**

There are 3 clusters represented in this pham: A9, A15, A2,

Info for manual annotations of cluster A15:

- Start number 3 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A2:

- Start number 4 was manually annotated 2 times for cluster A2.
- Start number 5 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A9:

- Start number 4 was manually annotated 2 times for cluster A9.
- Start number 5 was manually annotated 1 time for cluster A9.

### **Gene Information:**

Gene: BabyBack\_44 Start: 32081, Stop: 31851, Start Num: 5

Candidate Starts for BabyBack\_44:

(2, 32216), (Start: 5 @32081 has 2 MA's), (7, 32027), (8, 31988), (13, 31913),

Gene: Celestiallunch\_44 Start: 31007, Stop: 30789, Start Num: 4

Candidate Starts for Celestiallunch\_44:

(Start: 4 @31007 has 4 MA's), (Start: 5 @31004 has 2 MA's), (6, 30992), (11, 30860),

Gene: Charm\_43 Start: 31035, Stop: 30844, Start Num: 4

Candidate Starts for Charm\_43:

(2, 31164), (Start: 4 @31035 has 4 MA's), (7, 30984), (14, 30852),

Gene: DreamTeam1\_43 Start: 30909, Stop: 30718, Start Num: 4

Candidate Starts for DreamTeam1\_43:

(2, 31038), (Start: 4 @30909 has 4 MA's), (7, 30858), (14, 30726),

Gene: Klodlith\_44 Start: 30926, Stop: 30735, Start Num: 4

Candidate Starts for Klodlith\_44:

(2, 31055), (Start: 4 @30926 has 4 MA's), (7, 30875), (14, 30743),

Gene: MegTheThird\_44 Start: 31006, Stop: 30788, Start Num: 4

Candidate Starts for MegTheThird\_44:

(Start: 4 @31006 has 4 MA's), (Start: 5 @31003 has 2 MA's), (6, 30991), (11, 30859),

Gene: MissWhite\_44 Start: 29921, Stop: 29754, Start Num: 4  
Candidate Starts for MissWhite\_44:  
(Start: 4 @29921 has 4 MA's), (7, 29867),

Gene: Ravana\_50 Start: 30946, Stop: 30728, Start Num: 3  
Candidate Starts for Ravana\_50:  
(1, 31333), (Start: 3 @30946 has 1 MA's),

Gene: SheaKeira\_44 Start: 31011, Stop: 30799, Start Num: 5  
Candidate Starts for SheaKeira\_44:  
(2, 31143), (Start: 4 @31014 has 4 MA's), (Start: 5 @31011 has 2 MA's), (6, 30999), (7, 30960), (10, 30879), (11, 30867),

Gene: SwirlSquare\_47 Start: 30451, Stop: 30257, Start Num: 4  
Candidate Starts for SwirlSquare\_47:  
(Start: 4 @30451 has 4 MA's), (8, 30358), (9, 30319), (12, 30292), (14, 30265),