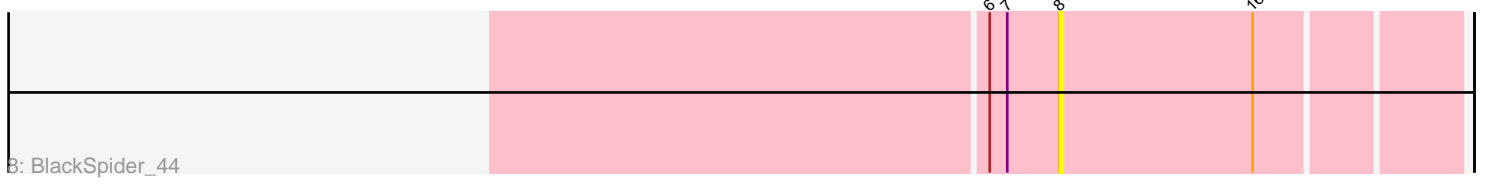
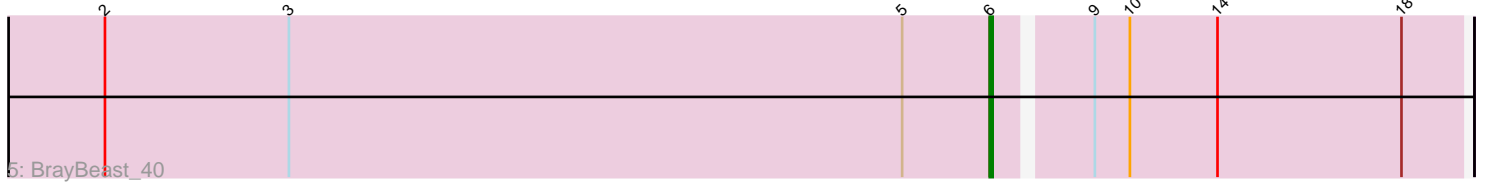
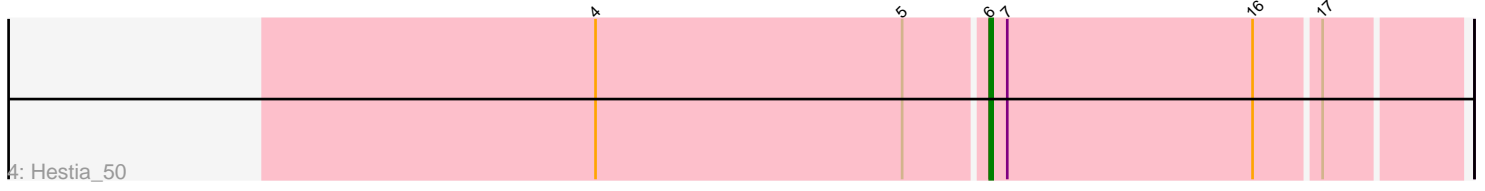
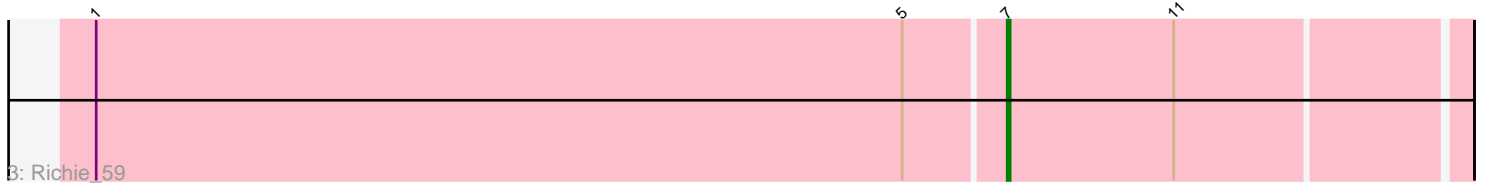
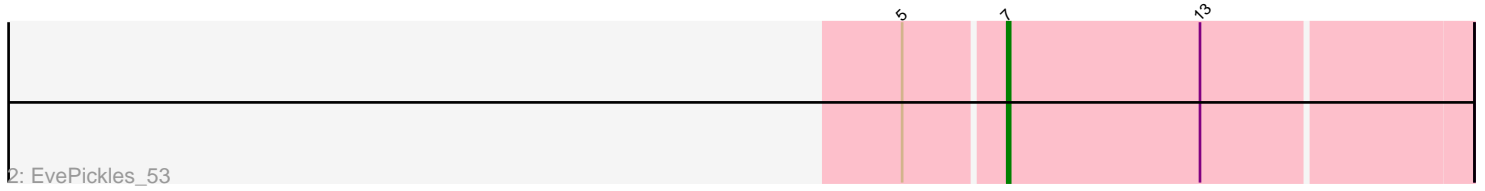
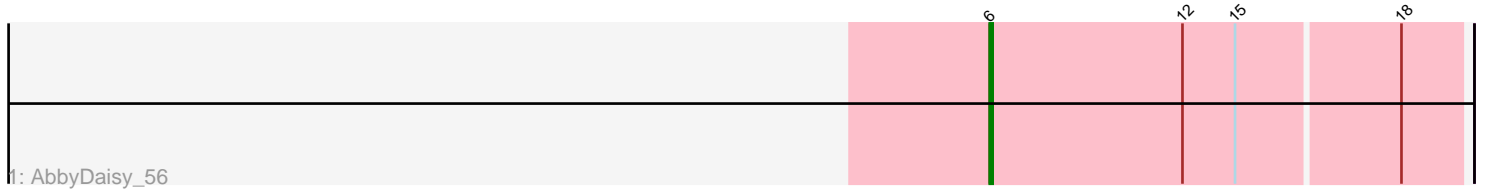


Pham 197132



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 197132 Report

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

Pham number 197132 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : AbbyDaisy\_56
- Track 2 : EvePickles\_53
- Track 3 : Richie\_59
- Track 4 : Hestia\_50
- Track 5 : BrayBeast\_40
- Track 6 : Shoya\_44
- Track 7 : Zucker\_49
- Track 8 : BlackSpider\_44

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyDaisy\_56, BrayBeast\_40, Hestia\_50, Shoya\_44, Zucker\_49,

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

- BlackSpider\_44,

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

- EvePickles\_53, Richie\_59,

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

Start 6:

- Found in 6 of 8 ( 75.0% ) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 83.3% of time when present
- Phage (with cluster) where this start called: AbbyDaisy\_56 (AY), BrayBeast\_40 (FB), Hestia\_50 (AY), Shoya\_44 (FB), Zucker\_49 (FN),

Start 7:

- Found in 5 of 8 ( 62.5% ) of genes in pham

- Manual Annotations of this start: 2 of 7
- Called 40.0% of time when present
- Phage (with cluster) where this start called: EvePickles\_53 (AY), Richie\_59 (AY),

Start 8:

- Found in 1 of 8 ( 12.5% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlackSpider\_44 (FN),

### **Summary by clusters:**

There are 3 clusters represented in this pham: AY, FB, FN,

Info for manual annotations of cluster AY:

- Start number 6 was manually annotated 2 times for cluster AY.
- Start number 7 was manually annotated 2 times for cluster AY.

Info for manual annotations of cluster FB:

- Start number 6 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FN:

- Start number 6 was manually annotated 1 time for cluster FN.

### **Gene Information:**

Gene: AbbyDaisy\_56 Start: 33760, Stop: 33918, Start Num: 6

Candidate Starts for AbbyDaisy\_56:

(Start: 6 @33760 has 5 MA's), (12, 33826), (15, 33844), (18, 33898),

Gene: BlackSpider\_44 Start: 30207, Stop: 30338, Start Num: 8

Candidate Starts for BlackSpider\_44:

(Start: 6 @30183 has 5 MA's), (Start: 7 @30189 has 2 MA's), (8, 30207), (16, 30273),

Gene: BrayBeast\_40 Start: 27217, Stop: 27372, Start Num: 6

Candidate Starts for BrayBeast\_40:

(2, 26914), (3, 26977), (5, 27187), (Start: 6 @27217 has 5 MA's), (9, 27247), (10, 27259), (14, 27289), (18, 27352),

Gene: EvePickles\_53 Start: 33650, Stop: 33805, Start Num: 7

Candidate Starts for EvePickles\_53:

(5, 33617), (Start: 7 @33650 has 2 MA's), (13, 33716),

Gene: Hestia\_50 Start: 31086, Stop: 31241, Start Num: 6

Candidate Starts for Hestia\_50:

(4, 30954), (5, 31059), (Start: 6 @31086 has 5 MA's), (Start: 7 @31092 has 2 MA's), (16, 31176), (17, 31197),

Gene: Richie\_59 Start: 34120, Stop: 34272, Start Num: 7

Candidate Starts for Richie\_59:

(1, 33811), (5, 34087), (Start: 7 @34120 has 2 MA's), (11, 34177),

Gene: Shoya\_44 Start: 27531, Stop: 27671, Start Num: 6

Candidate Starts for Shoya\_44:

(5, 27501), (Start: 6 @27531 has 5 MA's), (12, 27579),

Gene: Zucker\_49 Start: 32109, Stop: 32264, Start Num: 6

Candidate Starts for Zucker\_49:

(5, 32082), (Start: 6 @32109 has 5 MA's), (Start: 7 @32115 has 2 MA's),