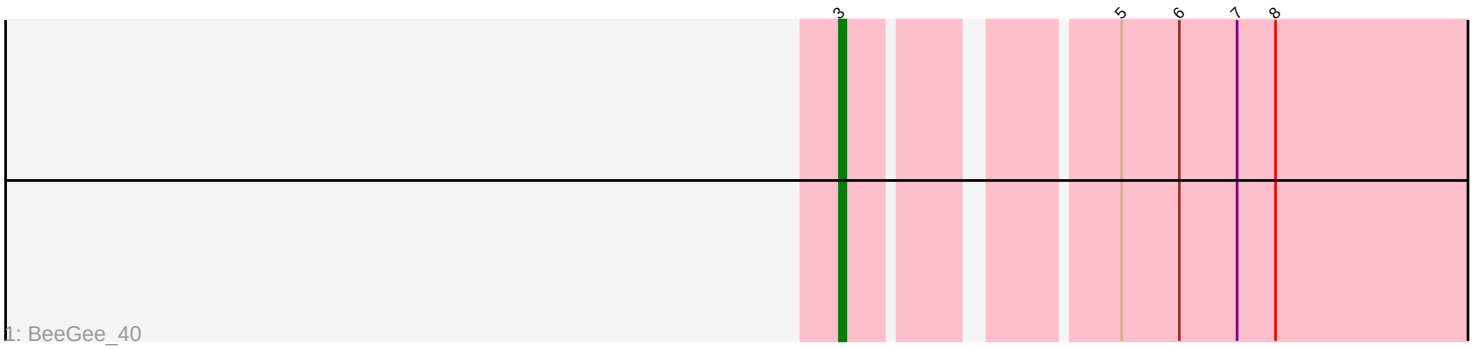
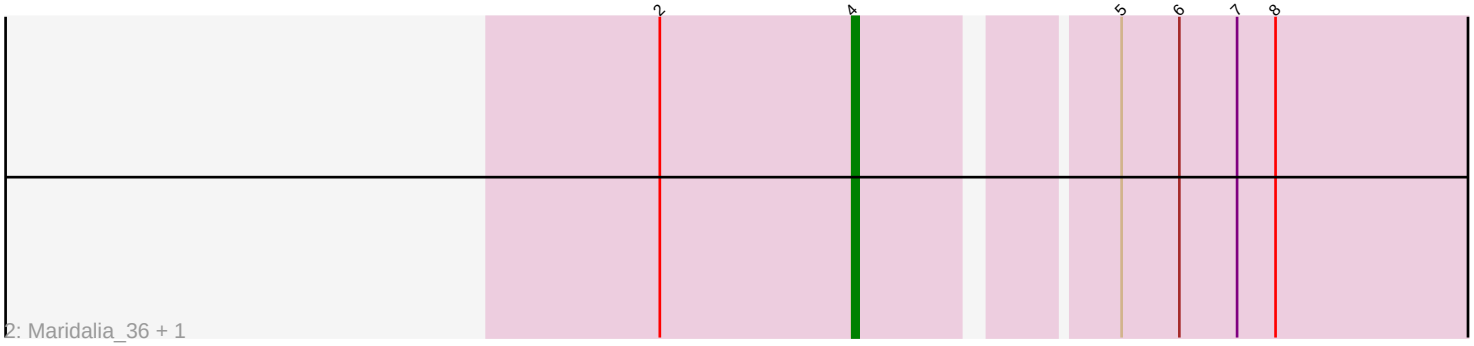
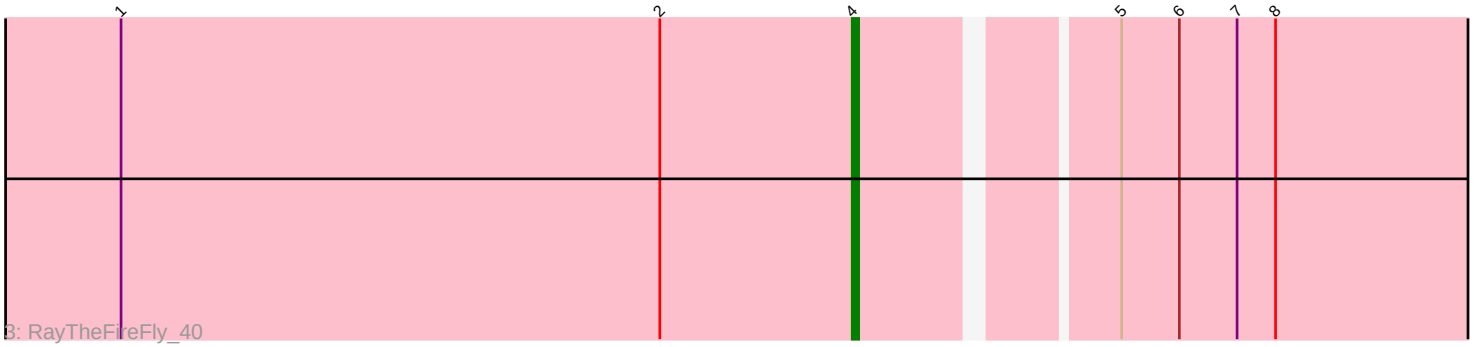
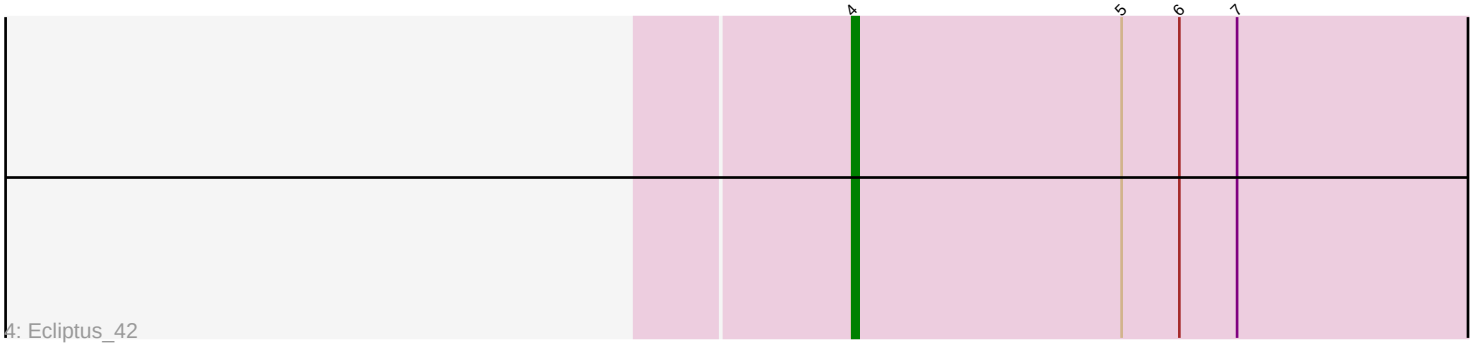
Pham 344822


3
5
6
7
8
1: BeeGee_40


2
4
5
6
7
8
2: Maridalia_36 + 1


1
2
4
5
6
7
8
3: RayTheFireFly_40


4
5
6
7
4: Ecliptus_42

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 344822 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344822 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BeeGee_40
• Track 2 : Maridalia_36, Eudoria_37
• Track 3 : RayTheFireFly_40
• Track 4 : Ecliptus_42

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 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ecliptus_42, Eudoria_37, Maridalia_36, RayTheFireFly_40,

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

Genes that do not have the "Most Annotated" start:
• BeeGee_40,

Summary by start number:

Start 3:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BeeGee_40 (CY5),

Start 4:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ecliptus_42 (DN), Eudoria_37 (CZ1), Maridalia_36 (CZ1), RayTheFireFly_40 (DB),

Summary by clusters:

There are 4 clusters represented in this pham: DN, CZ1, DB, CY5,

Info for manual annotations of cluster CY5:
•Start number 3 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CZ1:
•Start number 4 was manually annotated 2 times for cluster CZ1.

Info for manual annotations of cluster DB:
•Start number 4 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DN:
•Start number 4 was manually annotated 1 time for cluster DN.

Gene Information:

Gene: BeeGee_40 Start: 30676, Stop: 30536, Start Num: 3
Candidate Starts for BeeGee_40:
(Start: 3 @30676 has 1 MA's), (5, 30640), (6, 30631), (7, 30622), (8, 30616),

Gene: Ecliptus_42 Start: 31367, Stop: 31227, Start Num: 4
Candidate Starts for Ecliptus_42:
(Start: 4 @31367 has 4 MA's), (5, 31325), (6, 31316), (7, 31307),

Gene: Eudoria_37 Start: 29726, Stop: 29586, Start Num: 4
Candidate Starts for Eudoria_37:
(2, 29756), (Start: 4 @29726 has 4 MA's), (5, 29690), (6, 29681), (7, 29672), (8, 29666),

Gene: Maridalia_36 Start: 29726, Stop: 29586, Start Num: 4
Candidate Starts for Maridalia_36:
(2, 29756), (Start: 4 @29726 has 4 MA's), (5, 29690), (6, 29681), (7, 29672), (8, 29666),

Gene: RayTheFireFly_40 Start: 30275, Stop: 30135, Start Num: 4
Candidate Starts for RayTheFireFly_40:
(1, 30389), (2, 30305), (Start: 4 @30275 has 4 MA's), (5, 30239), (6, 30230), (7, 30221), (8, 30215),