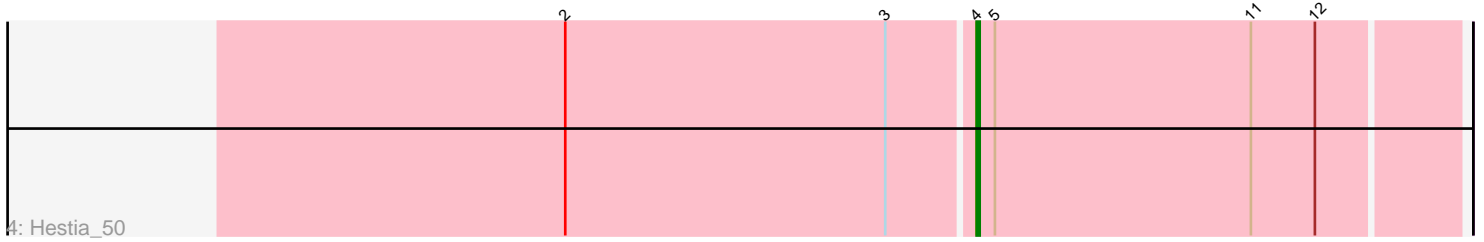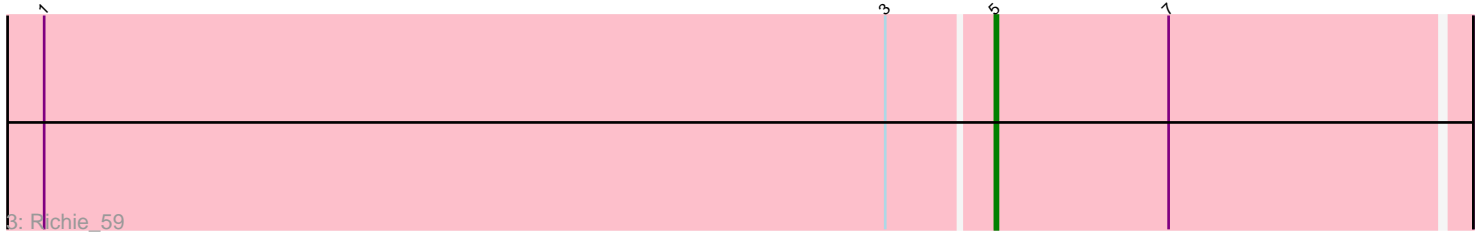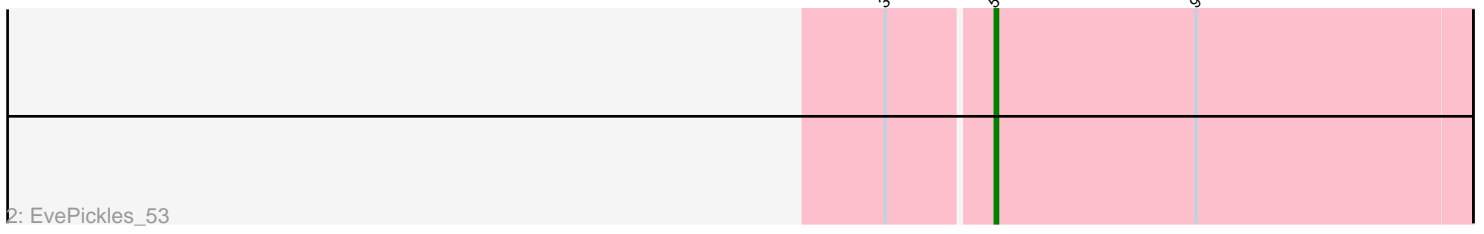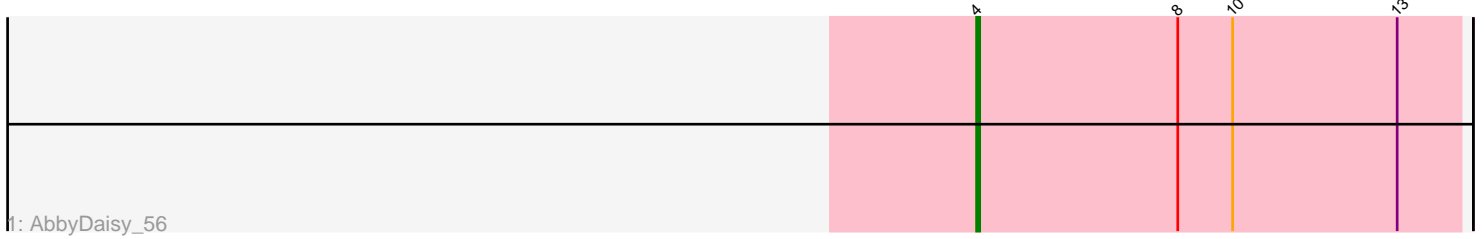# Pham 164254

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 164254 Report

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

Pham number 164254 has 6 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 : Zucker_49
• Track 6 : 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 4, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_56, Hestia_50, 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 4:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 75.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_56 (AY), Hestia_50 (AY), Zucker_49 (FN),

Start 5:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 40.0% of time when present

• Phage (with cluster) where this start called: EvePickles_53 (AY), Richie_59 (AY),

Start 6:
• Found in 1 of 6 (16.7%) 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 2 clusters represented in this pham: AY, FN,

Info for manual annotations of cluster AY:
•Start number 4 was manually annotated 2 times for cluster AY.
•Start number 5 was manually annotated 2 times for cluster AY.

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

Gene Information:
Gene: AbbyDaisy_56 Start: 33760, Stop: 33918, Start Num: 4
Candidate Starts for AbbyDaisy_56:
(Start: 4 @33760 has 3 MA's), (8, 33826), (10, 33844), (13, 33898),

Gene: BlackSpider_44 Start: 30207, Stop: 30338, Start Num: 6
Candidate Starts for BlackSpider_44:
(Start: 4 @30183 has 3 MA's), (Start: 5 @30189 has 2 MA's), (6, 30207), (11, 30273),

Gene: EvePickles_53 Start: 33650, Stop: 33805, Start Num: 5
Candidate Starts for EvePickles_53:
(3, 33617), (Start: 5 @33650 has 2 MA's), (9, 33716),

Gene: Hestia_50 Start: 31086, Stop: 31241, Start Num: 4
Candidate Starts for Hestia_50:
(2, 30954), (3, 31059), (Start: 4 @31086 has 3 MA's), (Start: 5 @31092 has 2 MA's), (11, 31176), (12, 31197),

Gene: Richie_59 Start: 34120, Stop: 34272, Start Num: 5
Candidate Starts for Richie_59:
(1, 33811), (3, 34087), (Start: 5 @34120 has 2 MA's), (7, 34177),

Gene: Zucker_49 Start: 32109, Stop: 32264, Start Num: 4
Candidate Starts for Zucker_49:
(3, 32082), (Start: 4 @32109 has 3 MA's), (Start: 5 @32115 has 2 MA's),