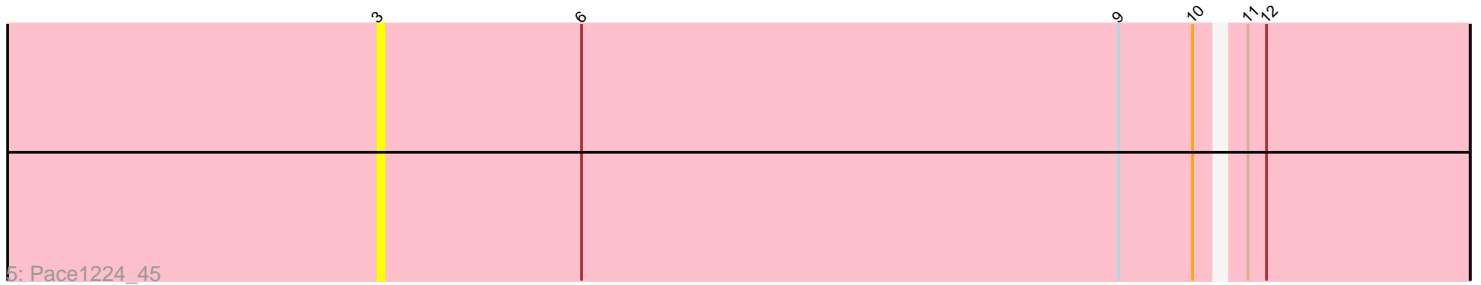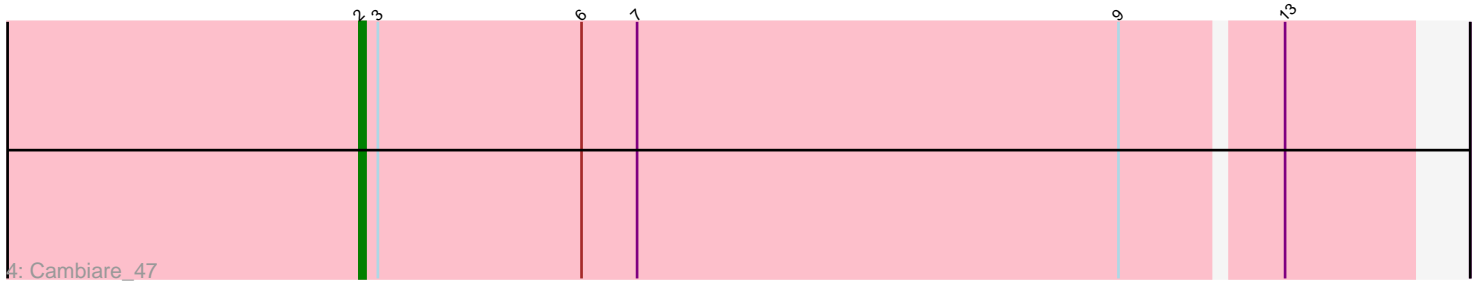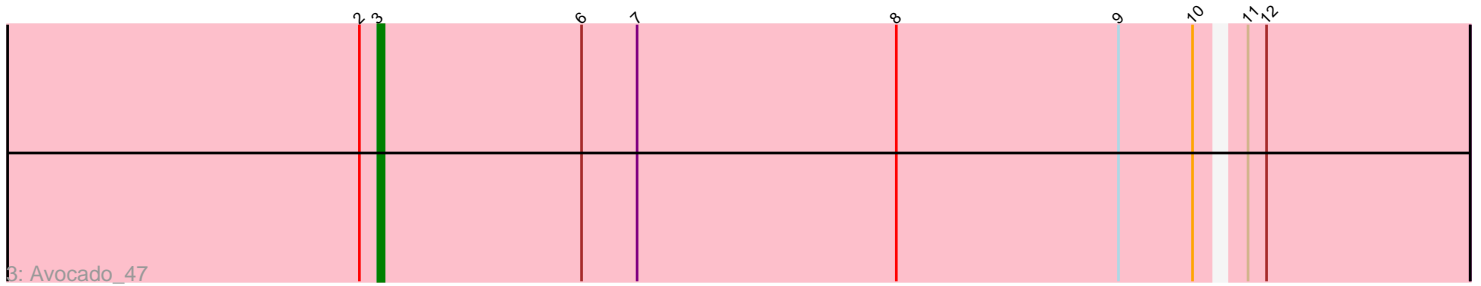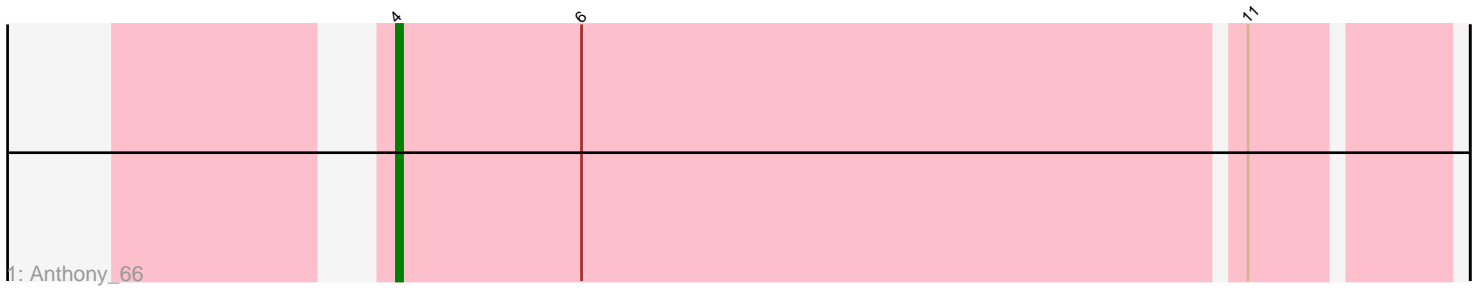# Pham 164297

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 164297 Report

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

Pham number 164297 has 5 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Anthony_66
• Track 2 : DunneganBoMo_160
• Track 3 : Avocado_47
• Track 4 : Cambiare_47
• Track 5 : Pace1224_45

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 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anthony_66,

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

Genes that do not have the "Most Annotated" start:
• Avocado_47, Cambiare_47, DunneganBoMo_160, Pace1224_45,

Summary by start number:

Start 2:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Cambiare_47 (G2),

Start 3:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Avocado_47 (G2), Pace1224_45 (G2),

Start 4:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anthony_66 (A20),

Start 5:
• Found in 1 of 5 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DunneganBoMo_160 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: A20, FC, G2,

Info for manual annotations of cluster A20:
•Start number 4 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster G2:
•Start number 2 was manually annotated 1 time for cluster G2.
•Start number 3 was manually annotated 1 time for cluster G2.

Gene Information:
Gene: Anthony_66 Start: 40829, Stop: 40665, Start Num: 4
Candidate Starts for Anthony_66:
(Start: 4 @40829 has 1 MA's), (6, 40799), (11, 40694),

Gene: Avocado_47 Start: 37189, Stop: 37362, Start Num: 3
Candidate Starts for Avocado_47:
(Start: 2 @37186 has 1 MA's), (Start: 3 @37189 has 1 MA's), (6, 37222), (7, 37231), (8, 37273), (9, 37309), (10, 37321), (11, 37327), (12, 37330),

Gene: Cambiare_47 Start: 37281, Stop: 37448, Start Num: 2
Candidate Starts for Cambiare_47:
(Start: 2 @37281 has 1 MA's), (Start: 3 @37284 has 1 MA's), (6, 37317), (7, 37326), (9, 37404), (13, 37428),

Gene: DunneganBoMo_160 Start: 107120, Stop: 107278, Start Num: 5
Candidate Starts for DunneganBoMo_160:
(1, 107075), (5, 107120),

Gene: Pace1224_45 Start: 36103, Stop: 36276, Start Num: 3
Candidate Starts for Pace1224_45:
(Start: 3 @36103 has 1 MA's), (6, 36136), (9, 36223), (10, 36235), (11, 36241), (12, 36244),