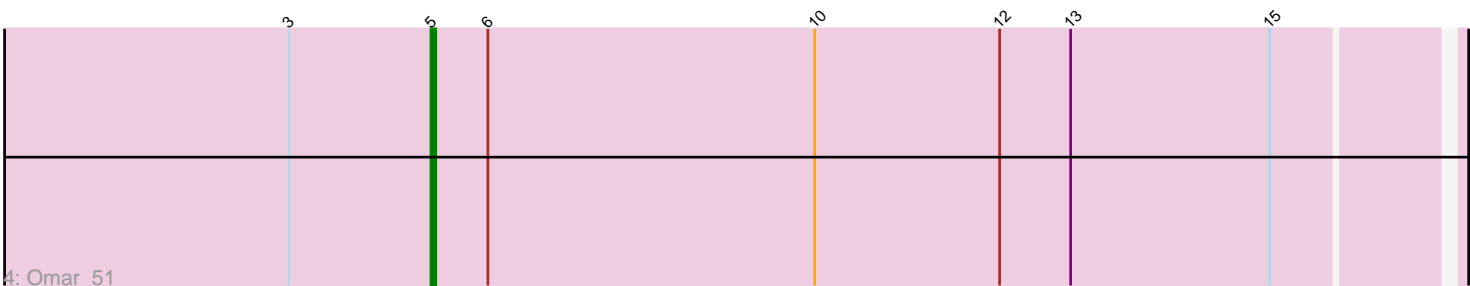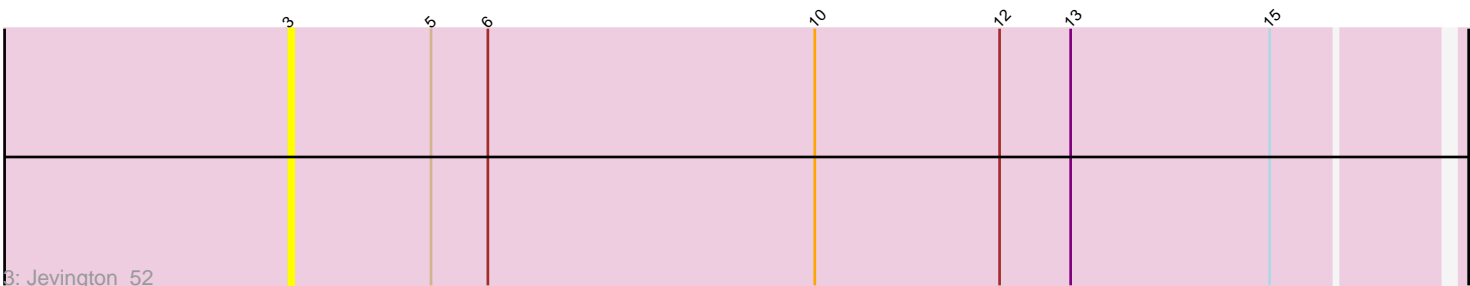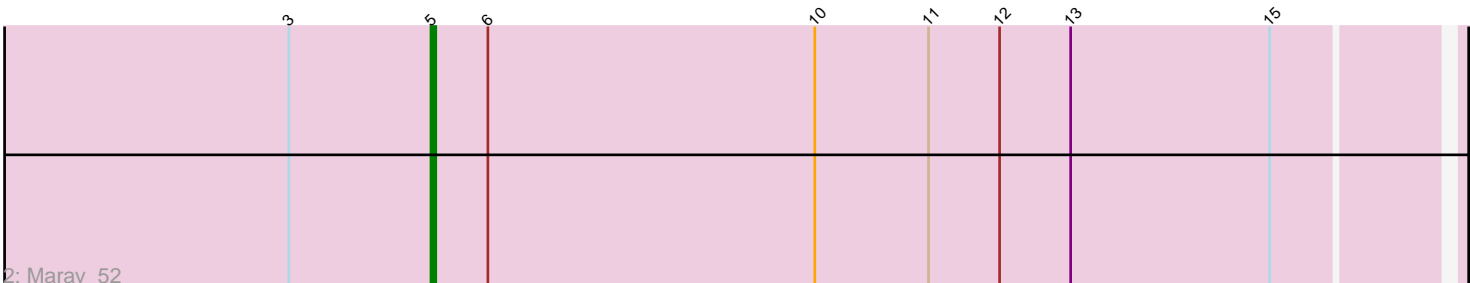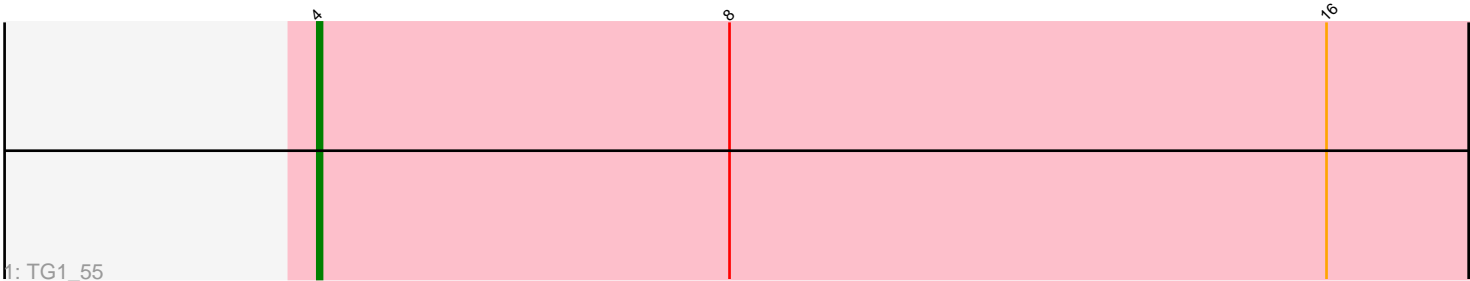# Pham 107830

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 107830 Report

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

Pham number 107830 has 5 members, 2 are drafts.

Phages represented in each track:
• Track 1 : TG1_55
• Track 2 : Marav_52
• Track 3 : Jevington_52
• Track 4 : Omar_51
• Track 5 : Superstar_58

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

The start number called the most often in the published annotations is 5, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Marav_52, Omar_51,

Genes that have the "Most Annotated" start but do not call it:
• Jevington_52,

Genes that do not have the "Most Annotated" start:
• Superstar_58, TG1_55,

Summary by start number:

Start 3:
• Found in 3 of 5 (60.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Jevington_52 (BD2),

Start 4:
• Found in 2 of 5 (40.0%) 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: Superstar_58 (BD2), TG1_55 (BB1),

Start 5:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Marav_52 (BD2), Omar_51 (BD2),

Summary by clusters:

There are 2 clusters represented in this pham: BB1, BD2,

Info for manual annotations of cluster BB1:
•Start number 4 was manually annotated 1 time for cluster BB1.

Info for manual annotations of cluster BD2:
•Start number 5 was manually annotated 2 times for cluster BD2.

Gene Information:

Gene: Jevington_52 Start: 35638, Stop: 35381, Start Num: 3
Candidate Starts for Jevington_52:
(3, 35638), (Start: 5 @35608 has 2 MA's), (6, 35596), (10, 35527), (12, 35488), (13, 35473), (15, 35431),

Gene: Marav_52 Start: 35925, Stop: 35698, Start Num: 5
Candidate Starts for Marav_52:
(3, 35955), (Start: 5 @35925 has 2 MA's), (6, 35913), (10, 35844), (11, 35820), (12, 35805), (13, 35790), (15, 35748),

Gene: Omar_51 Start: 35455, Stop: 35228, Start Num: 5
Candidate Starts for Omar_51:
(3, 35485), (Start: 5 @35455 has 2 MA's), (6, 35443), (10, 35374), (12, 35335), (13, 35320), (15, 35278),

Gene: Superstar_58 Start: 37595, Stop: 37837, Start Num: 4
Candidate Starts for Superstar_58:
(1, 37544), (2, 37568), (Start: 4 @37595 has 1 MA's), (7, 37640), (9, 37697), (11, 37724), (14, 37790), (15, 37796), (16, 37808),

Gene: TG1_55 Start: 35977, Stop: 35717, Start Num: 4
Candidate Starts for TG1_55:
(Start: 4 @35977 has 1 MA's), (8, 35890), (16, 35764),