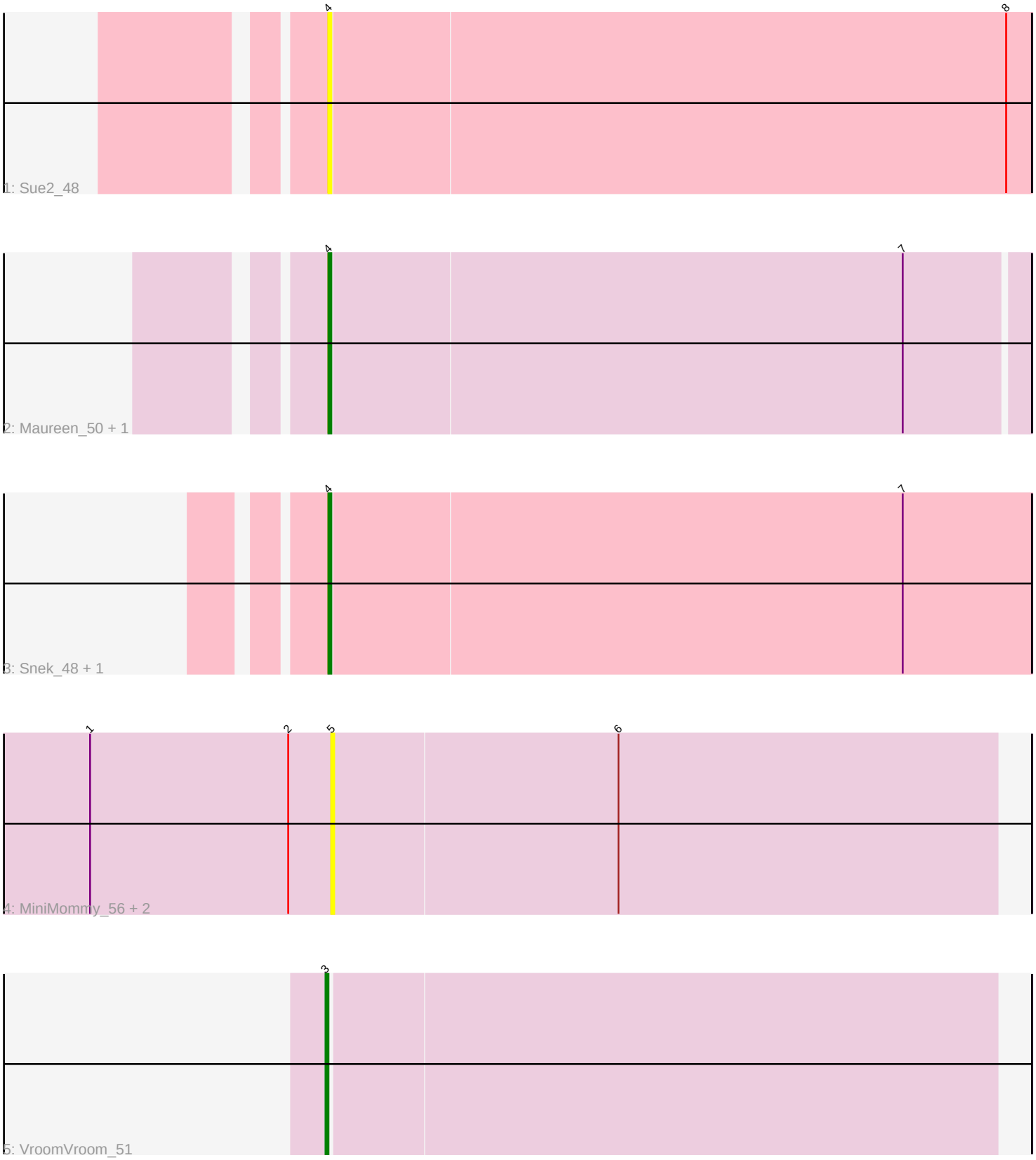
Pham 9258


4
8
1: Sue2_48
4
7
2: Maureen_50 + 1
4
7
3: Snek_48 + 1
1
2
5
6
4: MiniMommy_56 + 2
3
5: VroomVroom_51

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 9258 Report

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

Pham number 9258 has 9 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Sue2_48
• Track 2 : Maureen_50, Liebe_50
• Track 3 : Snek_48, Tweety19_49
• Track 4 : MiniMommy_56, JasmineDragon_56, ShakeItOph_56
• Track 5 : VroomVroom_51

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:
• Liebe_50, Maureen_50, Snek_48, Sue2_48, Tweety19_49,

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

Genes that do not have the "Most Annotated" start:
• JasmineDragon_56, MiniMommy_56, ShakeItOph_56, VroomVroom_51,

Summary by start number:

Start 3:
• Found in 1 of 9 (11.1%) 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: VroomVroom_51 (AZ4),

Start 4:
• Found in 5 of 9 (55.6%) 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: Liebe_50 (AZ2), Maureen_50 (AZ2), Snek_48 (AZ3), Sue2_48 (AZ1), Tweety19_49 (AZ3),

Start 5:
• Found in 3 of 9 (33.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JasmineDragon_56 (AZ4), MiniMommy_56 (AZ4), ShakeItOph_56 (AZ4),

Summary by clusters:

There are 4 clusters represented in this pham: AZ1, AZ2, AZ3, AZ4,

Info for manual annotations of cluster AZ2:
•Start number 4 was manually annotated 2 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 4 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 3 was manually annotated 1 time for cluster AZ4.

Gene Information:

Gene: JasmineDragon_56 Start: 37314, Stop: 37544, Start Num: 5
Candidate Starts for JasmineDragon_56:
(1, 37230), (2, 37299), (5, 37314), (6, 37413),

Gene: Liebe_50 Start: 37150, Stop: 37389, Start Num: 4
Candidate Starts for Liebe_50:
(Start: 4 @37150 has 4 MA's), (7, 37348),

Gene: Maureen_50 Start: 37149, Stop: 37388, Start Num: 4
Candidate Starts for Maureen_50:
(Start: 4 @37149 has 4 MA's), (7, 37347),

Gene: MiniMommy_56 Start: 37315, Stop: 37545, Start Num: 5
Candidate Starts for MiniMommy_56:
(1, 37231), (2, 37300), (5, 37315), (6, 37414),

Gene: ShakeItOph_56 Start: 37314, Stop: 37544, Start Num: 5
Candidate Starts for ShakeItOph_56:
(1, 37230), (2, 37299), (5, 37314), (6, 37413),

Gene: Snek_48 Start: 33859, Stop: 34101, Start Num: 4
Candidate Starts for Snek_48:
(Start: 4 @33859 has 4 MA's), (7, 34057),

Gene: Sue2_48 Start: 34930, Stop: 35172, Start Num: 4
Candidate Starts for Sue2_48:
(Start: 4 @34930 has 4 MA's), (8, 35164),

Gene: Tweety19_49 Start: 33859, Stop: 34101, Start Num: 4
Candidate Starts for Tweety19_49:
(Start: 4 @33859 has 4 MA's), (7, 34057),

Gene: VroomVroom_51 Start: 36896, Stop: 37126, Start Num: 3
Candidate Starts for VroomVroom_51:
(Start: 3 @36896 has 1 MA's),