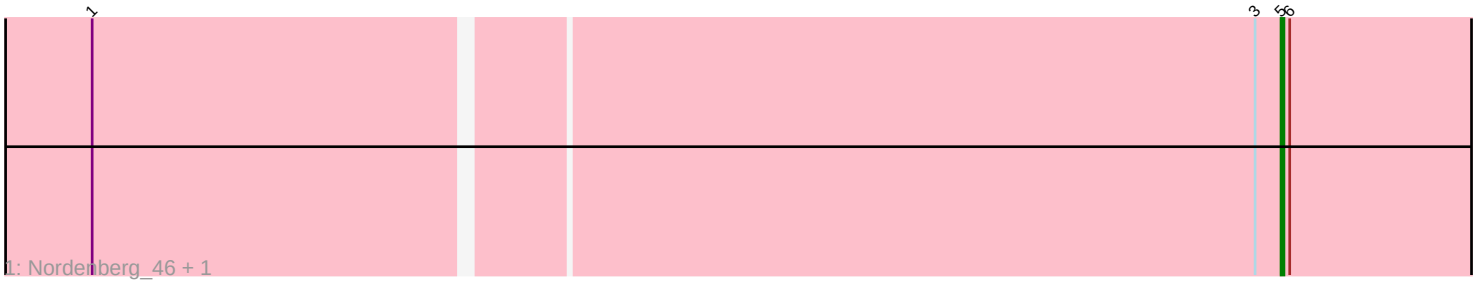
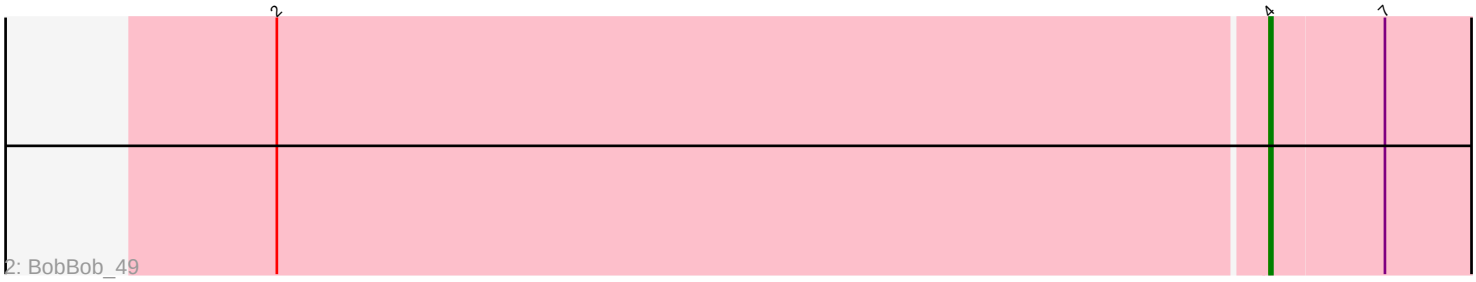
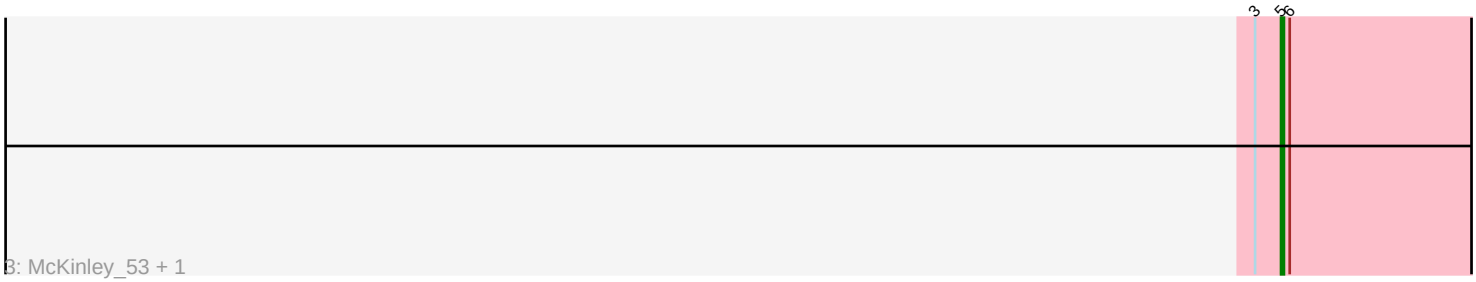
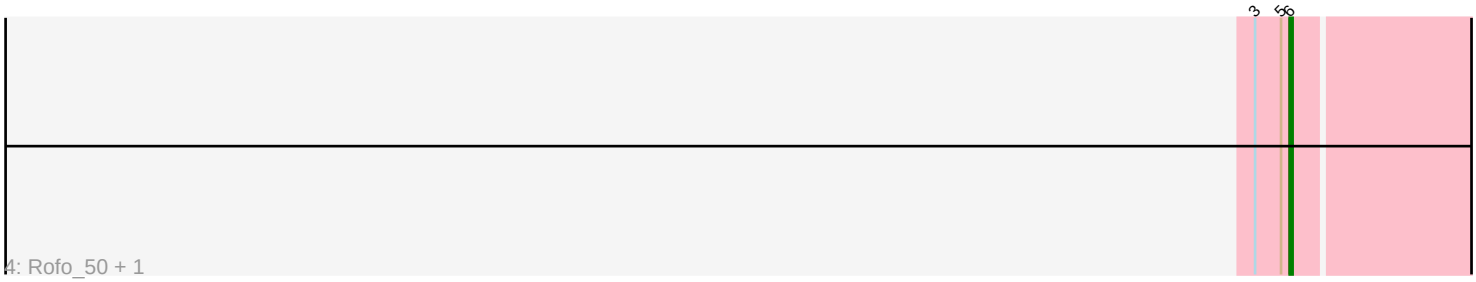
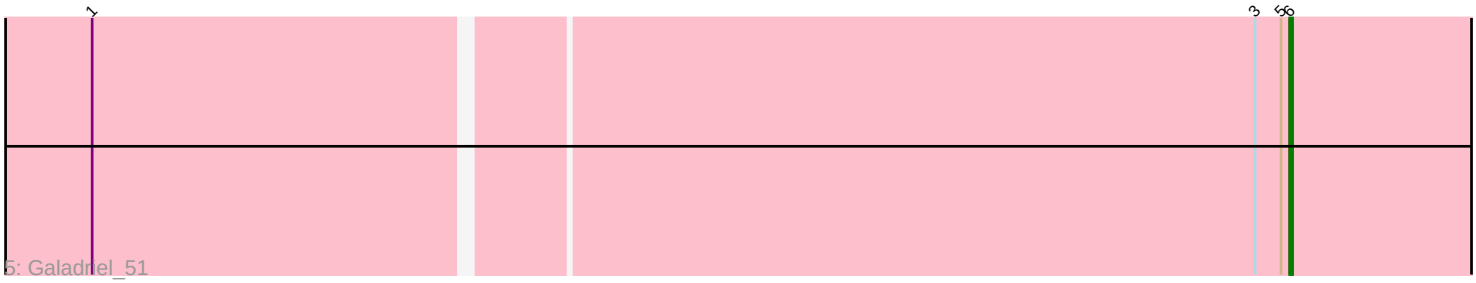
Pham 106979


1
3
5
6
1: Nordenberg_46 + 1


2
4
7
2: BobBob_49


3
5
6
3: McKinley_53 + 1


3
5
6
4: Rofo_50 + 1


1
3
5
6
5: Galadriel_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 106979 Report

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

Pham number 106979 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Nordenberg_46, Paries_54
• Track 2 : BobBob_49
• Track 3 : McKinley_53, Tangent_51
• Track 4 : Rofo_50, Charming_51
• Track 5 : Galadriel_51

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 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• McKinley_53, Nordenberg_46, Paries_54, Tangent_51,

Genes that have the "Most Annotated" start but do not call it:
• Charming_51, Galadriel_51, Rofo_50,

Genes that do not have the "Most Annotated" start:
• BobBob_49,

Summary by start number:

Start 4:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BobBob_49 (DE1),

Start 5:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 57.1% of time when present
• Phage (with cluster) where this start called: McKinley_53 (DE1), Nordenberg_46 (DE1), Paries_54 (DE1), Tangent_51 (DE1),

Start 6:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Charming_51 (DE1), Galadriel_51 (DE1), Rofo_50 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:
•Start number 4 was manually annotated 1 time for cluster DE1.
•Start number 5 was manually annotated 4 times for cluster DE1.
•Start number 6 was manually annotated 3 times for cluster DE1.

Gene Information:

Gene: BobBob_49 Start: 42241, Stop: 42510, Start Num: 4
Candidate Starts for BobBob_49:
(2, 41902), (Start: 4 @42241 has 1 MA's), (7, 42280),

Gene: Charming_51 Start: 42689, Stop: 42949, Start Num: 6
Candidate Starts for Charming_51:
(3, 42677), (Start: 5 @42686 has 4 MA's), (Start: 6 @42689 has 3 MA's),

Gene: Galadriel_51 Start: 43146, Stop: 43409, Start Num: 6
Candidate Starts for Galadriel_51:
(1, 42741), (3, 43134), (Start: 5 @43143 has 4 MA's), (Start: 6 @43146 has 3 MA's),

Gene: McKinley_53 Start: 43714, Stop: 43980, Start Num: 5
Candidate Starts for McKinley_53:
(3, 43705), (Start: 5 @43714 has 4 MA's), (Start: 6 @43717 has 3 MA's),

Gene: Nordenberg_46 Start: 42499, Stop: 42765, Start Num: 5
Candidate Starts for Nordenberg_46:
(1, 42097), (3, 42490), (Start: 5 @42499 has 4 MA's), (Start: 6 @42502 has 3 MA's),

Gene: Paries_54 Start: 43970, Stop: 44236, Start Num: 5
Candidate Starts for Paries_54:
(1, 43568), (3, 43961), (Start: 5 @43970 has 4 MA's), (Start: 6 @43973 has 3 MA's),

Gene: Rofo_50 Start: 43078, Stop: 43338, Start Num: 6
Candidate Starts for Rofo_50:
(3, 43066), (Start: 5 @43075 has 4 MA's), (Start: 6 @43078 has 3 MA's),

Gene: Tangent_51 Start: 42698, Stop: 42961, Start Num: 5
Candidate Starts for Tangent_51:
(3, 42689), (Start: 5 @42698 has 4 MA's), (Start: 6 @42701 has 3 MA's),