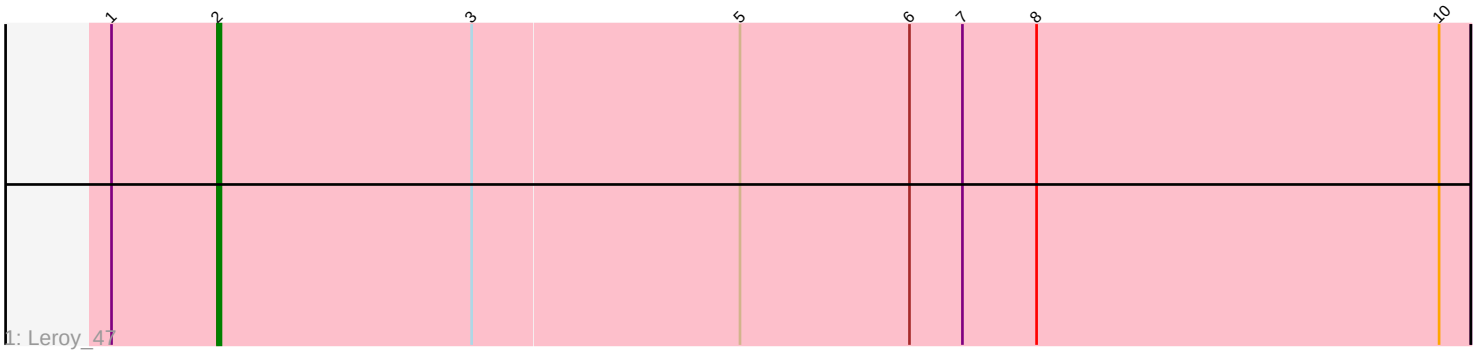
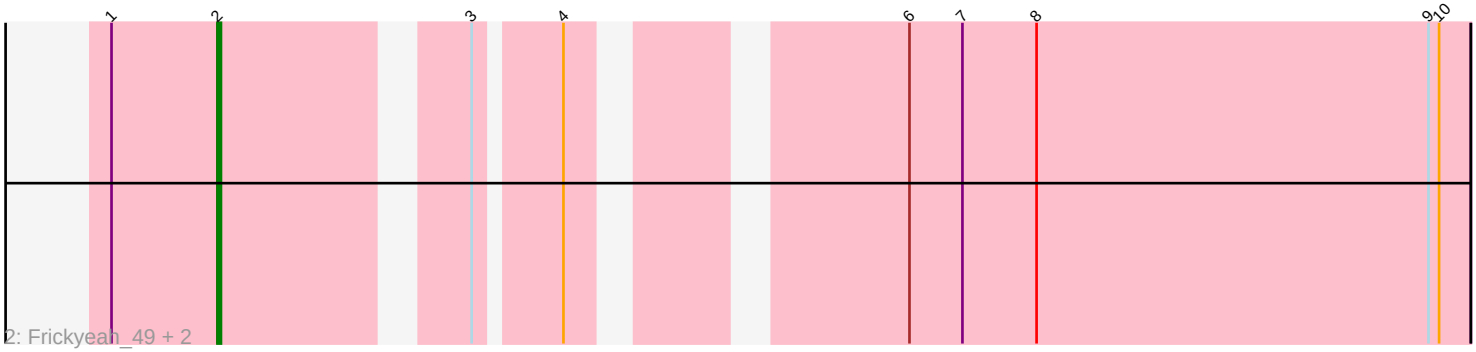
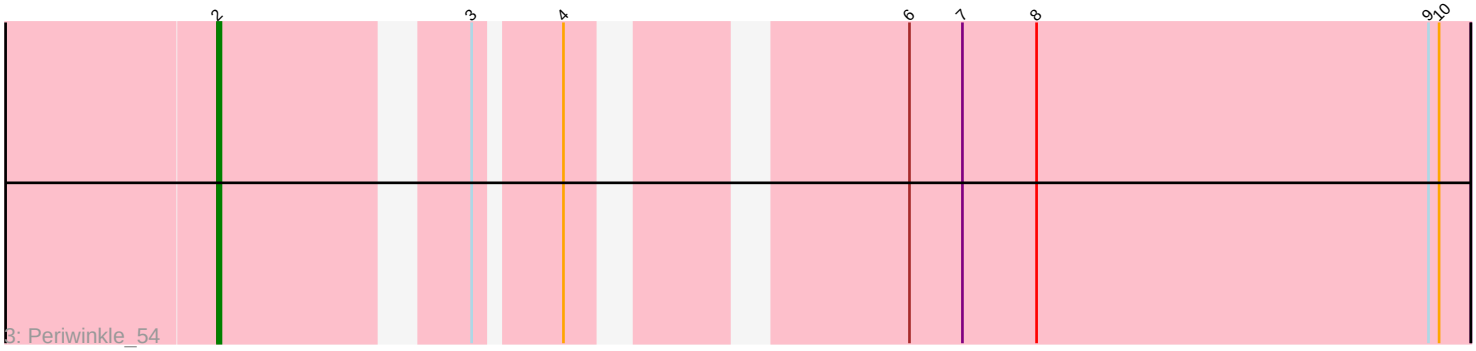
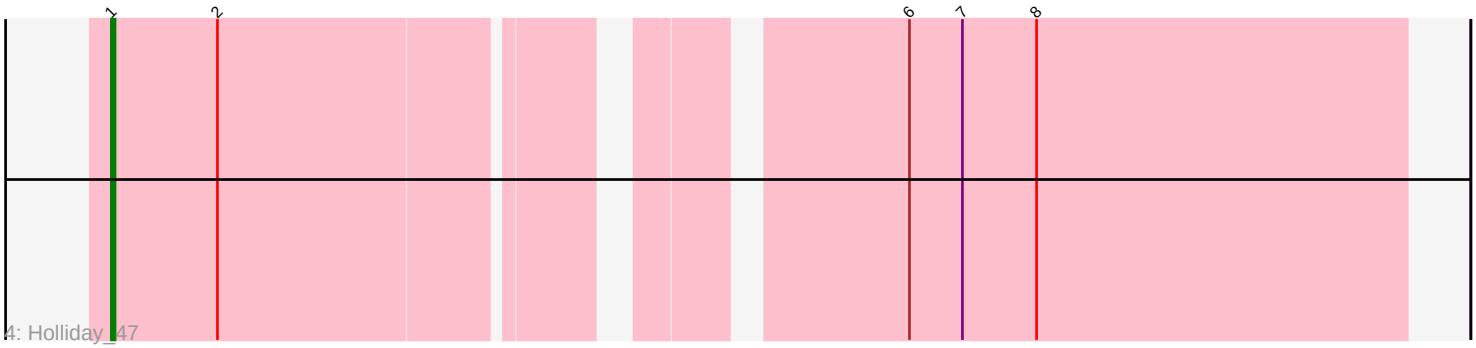
Pham 88151


1
2
3
5
6
7
8
10
1: Leroy_47


1
2
3
4
6
7
8
9
10
2: Frickyeah_49 + 2


2
3
4
6
7
8
9
10
3: Periwinkle_54


1
2
6
7
8
4: Holliday_47

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 88151 Report

This analysis was run 04/05/24 on database version 557.

Pham number 88151 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Leroy_47
• Track 2 : Frickyeah_49, Asapag_44, Phistory_48
• Track 3 : Periwinkle_54
• Track 4 : Holliday_47

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Asapag_44, Frickyeah_49, Leroy_47, Periwinkle_54, Phistory_48,

Genes that have the "Most Annotated" start but do not call it:
• Holliday_47,

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

Summary by start number:

Start 1:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Holliday_47 (DN1),

Start 2:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Asapag_44 (DN1), Frickyeah_49 (DN1), Leroy_47 (DN1), Periwinkle_54 (DN1), Phistory_48 (DN1),

Summary by clusters:

There is one cluster represented in this pham: DN1

Info for manual annotations of cluster DN1:
•Start number 1 was manually annotated 1 time for cluster DN1.
•Start number 2 was manually annotated 4 times for cluster DN1.

Gene Information:

Gene: Asapag_44 Start: 31881, Stop: 32195, Start Num: 2
Candidate Starts for Asapag_44:
(Start: 1 @31851 has 1 MA's), (Start: 2 @31881 has 4 MA's), (3, 31941), (4, 31962), (6, 32037), (7, 32052), (8, 32073), (9, 32184), (10, 32187),

Gene: Frickyeah_49 Start: 31356, Stop: 31670, Start Num: 2
Candidate Starts for Frickyeah_49:
(Start: 1 @31326 has 1 MA's), (Start: 2 @31356 has 4 MA's), (3, 31416), (4, 31437), (6, 31512), (7, 31527), (8, 31548), (9, 31659), (10, 31662),

Gene: Holliday_47 Start: 31676, Stop: 32014, Start Num: 1
Candidate Starts for Holliday_47:
(Start: 1 @31676 has 1 MA's), (Start: 2 @31706 has 4 MA's), (6, 31874), (7, 31889), (8, 31910),

Gene: Leroy_47 Start: 32782, Stop: 33135, Start Num: 2
Candidate Starts for Leroy_47:
(Start: 1 @32752 has 1 MA's), (Start: 2 @32782 has 4 MA's), (3, 32854), (5, 32929), (6, 32977), (7, 32992), (8, 33013), (10, 33127),

Gene: Periwinkle_54 Start: 34181, Stop: 34495, Start Num: 2
Candidate Starts for Periwinkle_54:
(Start: 2 @34181 has 4 MA's), (3, 34241), (4, 34262), (6, 34337), (7, 34352), (8, 34373), (9, 34484), (10, 34487),

Gene: Phistory_48 Start: 32440, Stop: 32754, Start Num: 2
Candidate Starts for Phistory_48:
(Start: 1 @32410 has 1 MA's), (Start: 2 @32440 has 4 MA's), (3, 32500), (4, 32521), (6, 32596), (7, 32611), (8, 32632), (9, 32743), (10, 32746),