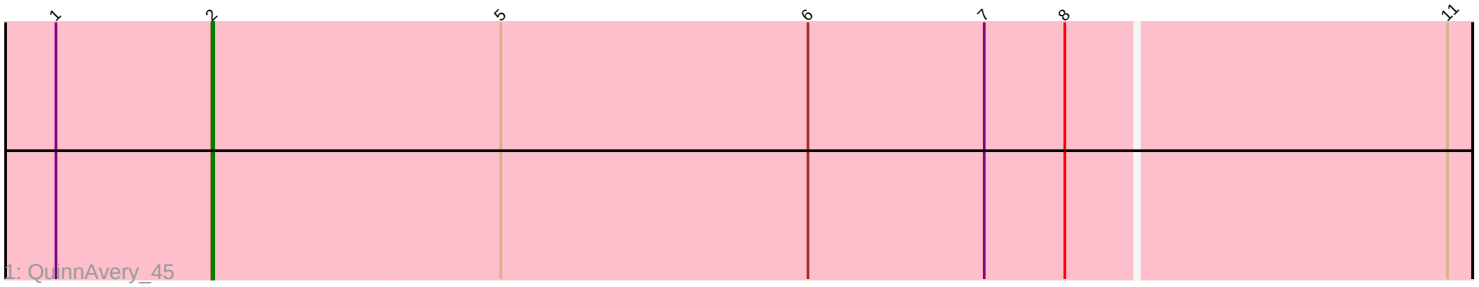
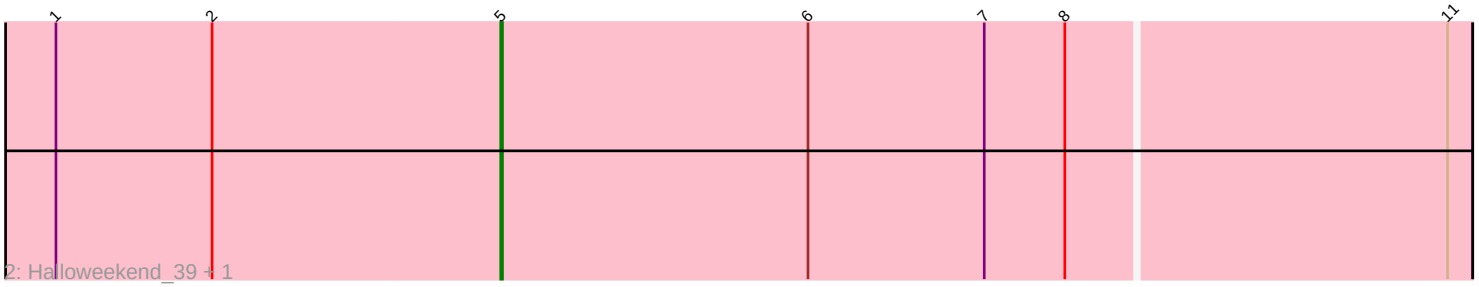
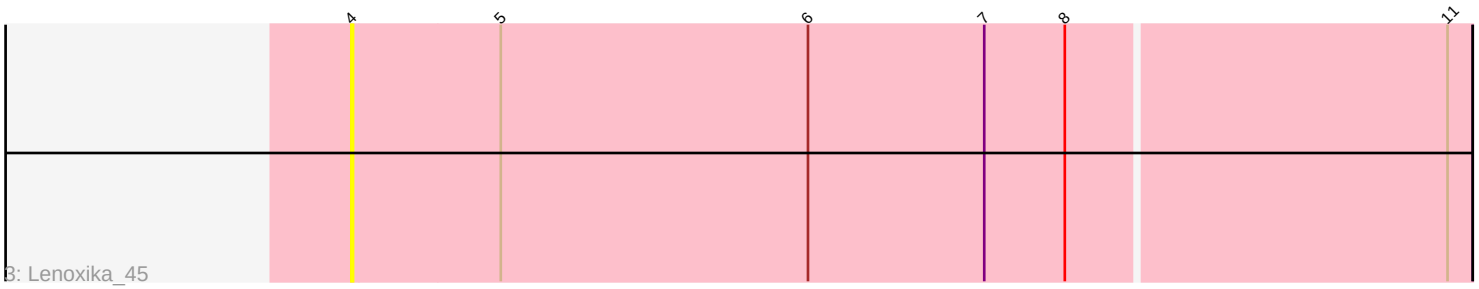
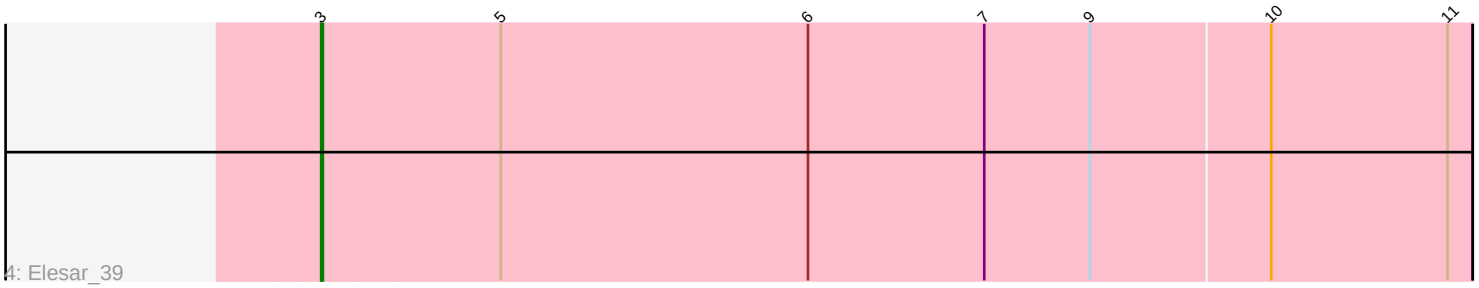
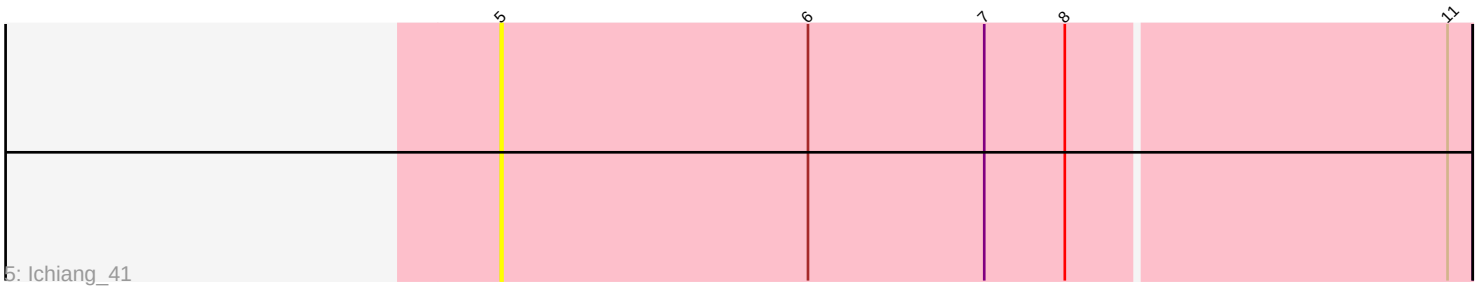
Pham 203739


1
2
5
6
7
8
11
1: QuinnAvery_45


1
2
5
6
7
8
11
2: Halloweekend_39 + 1


4
5
6
7
8
11
3: Lenoxika_45


3
5
6
7
9
10
11
4: Elesar_39


5
6
7
8
11
5: Ichiang_41

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 203739 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203739 has 6 members, 3 are drafts.

Phages represented in each track:
• Track 1 : QuinnAvery_45
• Track 2 : Halloweekend_39, Cole_41
• Track 3 : Lenoxika_45
• Track 4 : Elesar_39
• Track 5 : Ichiang_41

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

Genes that call this "Most Annotated" start:
• QuinnAvery_45,

Genes that have the "Most Annotated" start but do not call it:
• Cole_41, Halloweekend_39,

Genes that do not have the "Most Annotated" start:
• Elesar_39, Ichiang_41, Lenoxika_45,

Summary by start number:

Start 2:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 33.3% of time when present
• Phage (with cluster) where this start called: QuinnAvery_45 (FF),

Start 3:
• Found in 1 of 6 (16.7%) 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: Elesar_39 (FF),

Start 4:
• Found in 1 of 6 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lenoxika_45 (FF),

Start 5:
• Found in 6 of 6 (100.0%) 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: Cole_41 (FF), Halloweekend_39 (FF), Ichiang_41 (FF),

Summary by clusters:

There is one cluster represented in this pham: FF

Info for manual annotations of cluster FF:
•Start number 2 was manually annotated 1 time for cluster FF.
•Start number 3 was manually annotated 1 time for cluster FF.
•Start number 5 was manually annotated 1 time for cluster FF.

Gene Information:

Gene: Cole_41 Start: 30300, Stop: 30872, Start Num: 5
Candidate Starts for Cole_41:
(1, 30036), (Start: 2 @30129 has 1 MA's), (Start: 5 @30300 has 1 MA's), (6, 30483), (7, 30588), (8, 30636), (11, 30858),

Gene: Elesar_39 Start: 31255, Stop: 31935, Start Num: 3
Candidate Starts for Elesar_39:
(Start: 3 @31255 has 1 MA's), (Start: 5 @31360 has 1 MA's), (6, 31543), (7, 31648), (9, 31711), (10, 31816), (11, 31921),

Gene: Halloweekend_39 Start: 29933, Stop: 30505, Start Num: 5
Candidate Starts for Halloweekend_39:
(1, 29669), (Start: 2 @29762 has 1 MA's), (Start: 5 @29933 has 1 MA's), (6, 30116), (7, 30221), (8, 30269), (11, 30491),

Gene: Ichiang_41 Start: 29950, Stop: 30522, Start Num: 5
Candidate Starts for Ichiang_41:
(Start: 5 @29950 has 1 MA's), (6, 30133), (7, 30238), (8, 30286), (11, 30508),

Gene: Lenoxika_45 Start: 30638, Stop: 31297, Start Num: 4
Candidate Starts for Lenoxika_45:
(4, 30638), (Start: 5 @30725 has 1 MA's), (6, 30908), (7, 31013), (8, 31061), (11, 31283),

Gene: QuinnAvery_45 Start: 31212, Stop: 31955, Start Num: 2
Candidate Starts for QuinnAvery_45:
(1, 31119), (Start: 2 @31212 has 1 MA's), (Start: 5 @31383 has 1 MA's), (6, 31566), (7, 31671), (8, 31719), (11, 31941),