Pham 88004

1: Rhynn_76 + 1

2: Zeuska_65

3: Thresher_45

4: Marker_92

5: Caprice_9
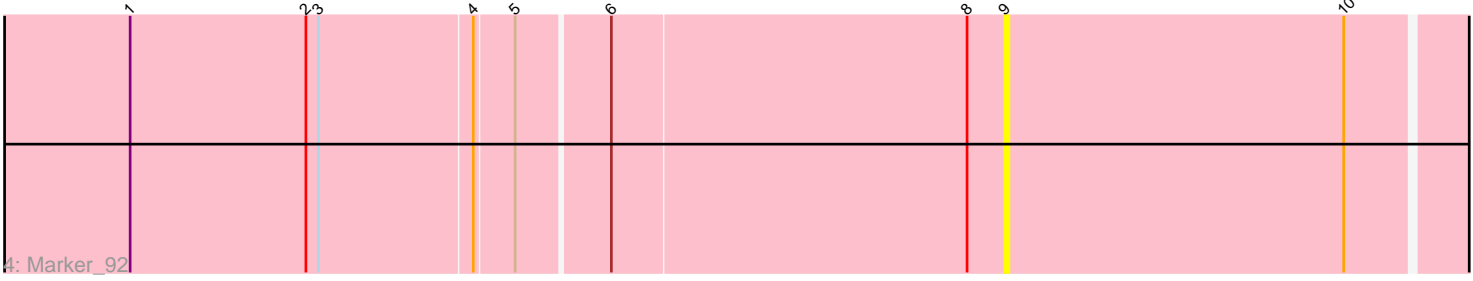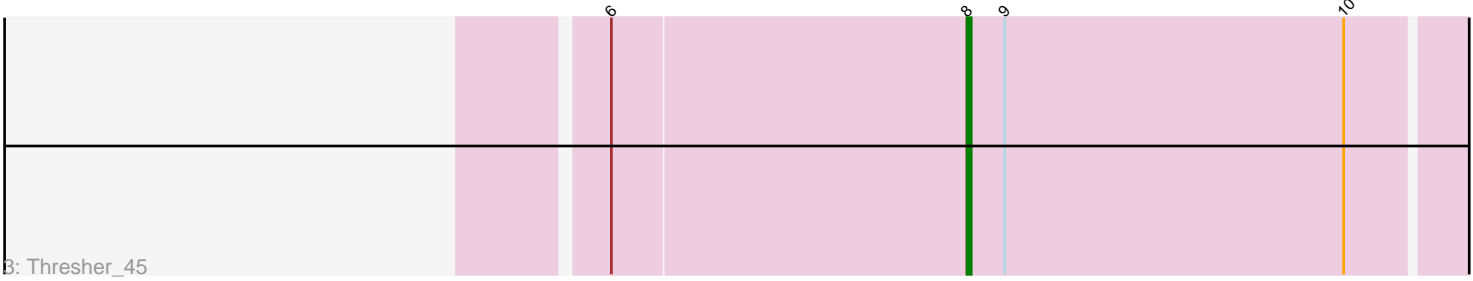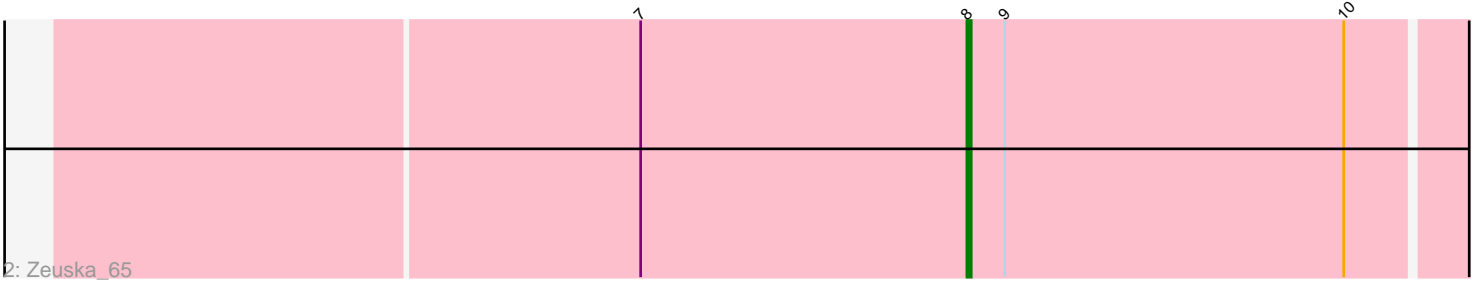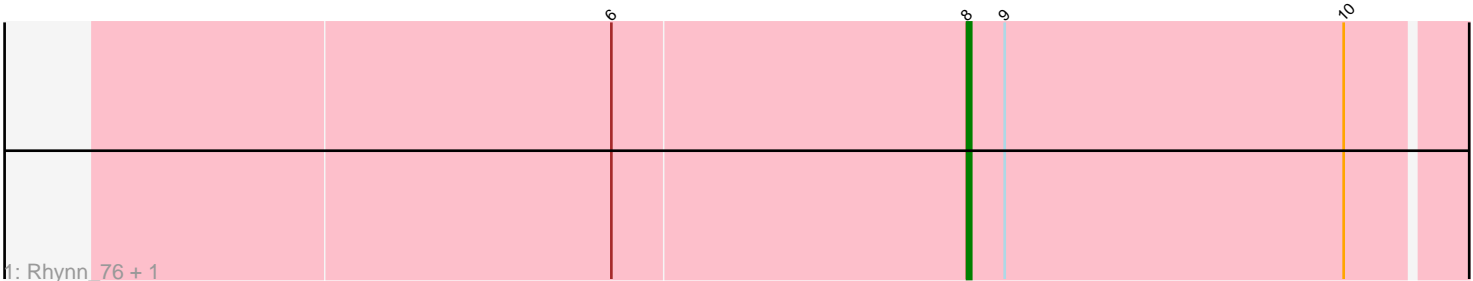
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 88004 Report

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

Pham number 88004 has 6 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Rhynn_76, Sumter_77
• Track 2 : Zeuska_65
• Track 3 : Thresher_45
• Track 4 : Marker_92
• Track 5 : Caprice_9

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

The start number called the most often in the published annotations is 8, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Rhynn_76, Sumter_77, Thresher_45, Zeuska_65,

Genes that have the "Most Annotated" start but do not call it:
• Caprice_9, Marker_92,

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

Summary by start number:

Start 8:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Rhynn_76 (A1), Sumter_77 (A1), Thresher_45 (E), Zeuska_65 (A1),

Start 9:
• Found in 6 of 6 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Caprice_9 (S), Marker_92 (F1),

Summary by clusters:

There are 4 clusters represented in this pham: A1, F1, S, E,

Info for manual annotations of cluster A1:
•Start number 8 was manually annotated 3 times for cluster A1.

Info for manual annotations of cluster E:
•Start number 8 was manually annotated 1 time for cluster E.

Gene Information:
Gene: Caprice_9 Start: 3012, Stop: 3137, Start Num: 9
Candidate Starts for Caprice_9:
(6, 2919), (Start: 8 @3003 has 4 MA's), (9, 3012), (10, 3093),

Gene: Marker_92 Start: 49284, Stop: 49403, Start Num: 9
Candidate Starts for Marker_92:
(1, 49080), (2, 49122), (3, 49125), (4, 49161), (5, 49170), (6, 49191), (Start: 8 @49275 has 4 MA's), (9, 49284), (10, 49365),

Gene: Rhynn_76 Start: 47813, Stop: 47685, Start Num: 8
Candidate Starts for Rhynn_76:
(6, 47897), (Start: 8 @47813 has 4 MA's), (9, 47804), (10, 47723),

Gene: Sumter_77 Start: 48675, Stop: 48547, Start Num: 8
Candidate Starts for Sumter_77:
(6, 48759), (Start: 8 @48675 has 4 MA's), (9, 48666), (10, 48585),

Gene: Thresher_45 Start: 36200, Stop: 36072, Start Num: 8
Candidate Starts for Thresher_45:
(6, 36284), (Start: 8 @36200 has 4 MA's), (9, 36191), (10, 36110),

Gene: Zeuska_65 Start: 43230, Stop: 43102, Start Num: 8
Candidate Starts for Zeuska_65:
(7, 43308), (Start: 8 @43230 has 4 MA's), (9, 43221), (10, 43140),