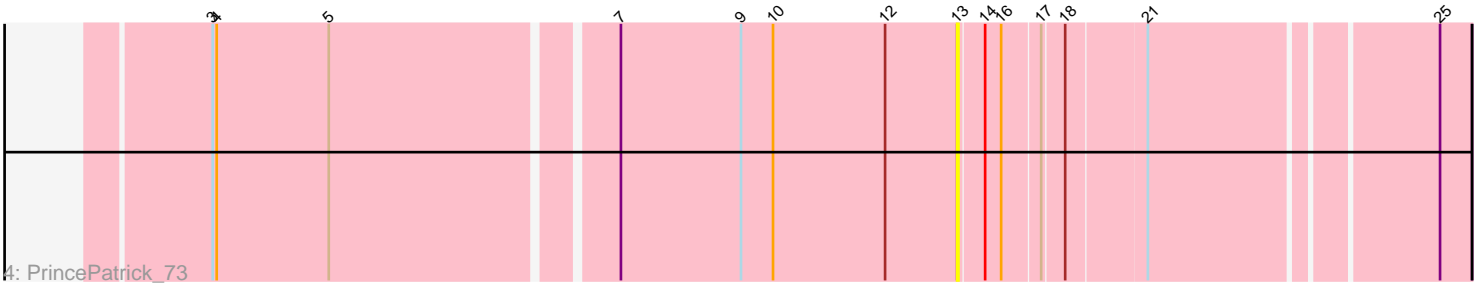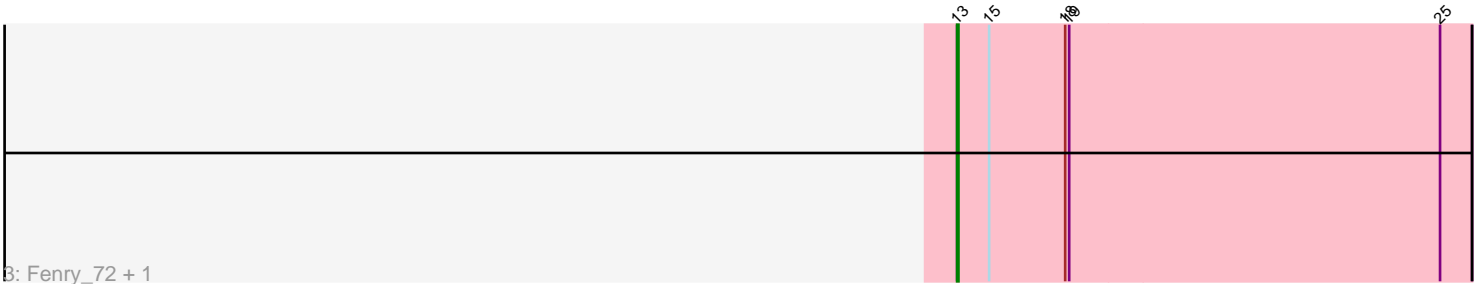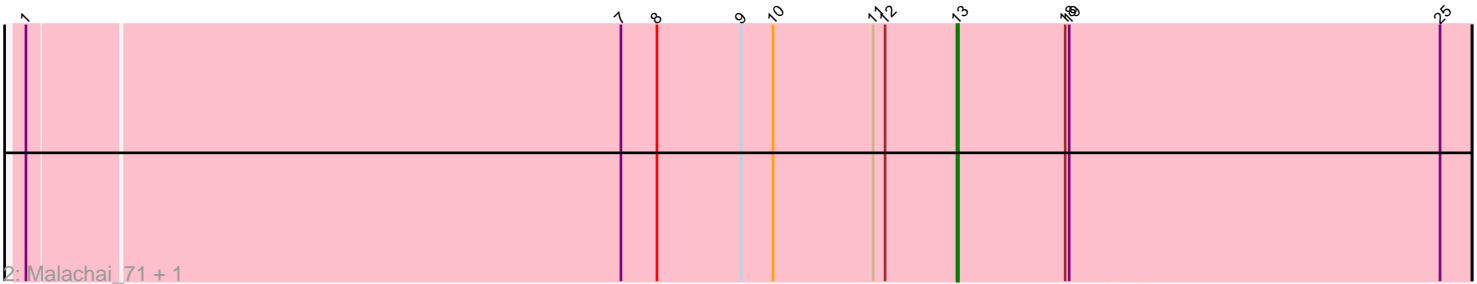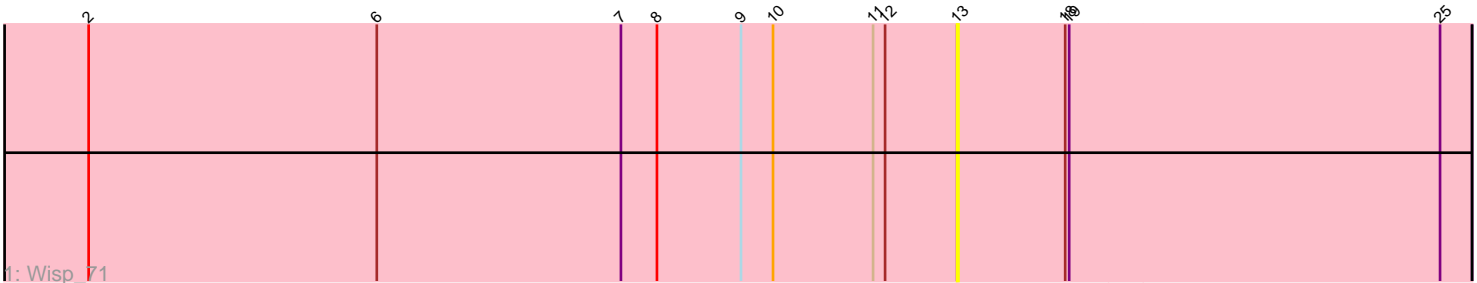# Pham 159639

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 159639 Report

This analysis was run 05/04/24 on database version 560.

Pham number 159639 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Wisp_71
• Track 2 : Malachai_71, Begonia_71
• Track 3 : Fenry_72, Samba_73
• Track 4 : PrincePatrick_73
• Track 5 : William_75

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

The start number called the most often in the published annotations is 13, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Begonia_71, Fenry_72, Malachai_71, PrincePatrick_73, Samba_73, William_75, Wisp_71,

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

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

Summary by start number:

Start 13:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Begonia_71 (CV), Fenry_72 (CV), Malachai_71 (CV), PrincePatrick_73 (CV), Samba_73 (CV), William_75 (CV), Wisp_71 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:
•Start number 13 was manually annotated 5 times for cluster CV.

Gene Information:

Gene: Begonia_71 Start: 47012, Stop: 47395, Start Num: 13
Candidate Starts for Begonia_71:
(1, 46322), (7, 46760), (8, 46787), (9, 46850), (10, 46874), (11, 46949), (12, 46958), (Start: 13 @47012 has 5 MA's), (18, 47093), (19, 47096), (25, 47372),

Gene: Fenry_72 Start: 45849, Stop: 46232, Start Num: 13
Candidate Starts for Fenry_72:
(Start: 13 @45849 has 5 MA's), (15, 45873), (18, 45930), (19, 45933), (25, 46209),

Gene: Malachai_71 Start: 47012, Stop: 47395, Start Num: 13
Candidate Starts for Malachai_71:
(1, 46322), (7, 46760), (8, 46787), (9, 46850), (10, 46874), (11, 46949), (12, 46958), (Start: 13 @47012 has 5 MA's), (18, 47093), (19, 47096), (25, 47372),

Gene: PrincePatrick_73 Start: 44032, Stop: 44385, Start Num: 13
Candidate Starts for PrincePatrick_73:
(3, 43492), (4, 43495), (5, 43579), (7, 43780), (9, 43870), (10, 43894), (12, 43978), (Start: 13 @44032 has 5 MA's), (14, 44050), (16, 44062), (17, 44089), (18, 44104), (21, 44161), (25, 44362),

Gene: Samba_73 Start: 47177, Stop: 47560, Start Num: 13
Candidate Starts for Samba_73:
(Start: 13 @47177 has 5 MA's), (15, 47201), (18, 47258), (19, 47261), (25, 47537),

Gene: William_75 Start: 46380, Stop: 46739, Start Num: 13
Candidate Starts for William_75:
(3, 45840), (4, 45843), (5, 45927), (7, 46128), (9, 46218), (11, 46317), (12, 46326), (Start: 13 @46380 has 5 MA's), (14, 46398), (16, 46410), (17, 46437), (20, 46461), (21, 46509), (22, 46521), (23, 46548), (24, 46614), (25, 46716),

Gene: Wisp_71 Start: 44861, Stop: 45244, Start Num: 13
Candidate Starts for Wisp_71:
(2, 44210), (6, 44426), (7, 44609), (8, 44636), (9, 44699), (10, 44723), (11, 44798), (12, 44807), (Start: 13 @44861 has 5 MA's), (18, 44942), (19, 44945), (25, 45221),