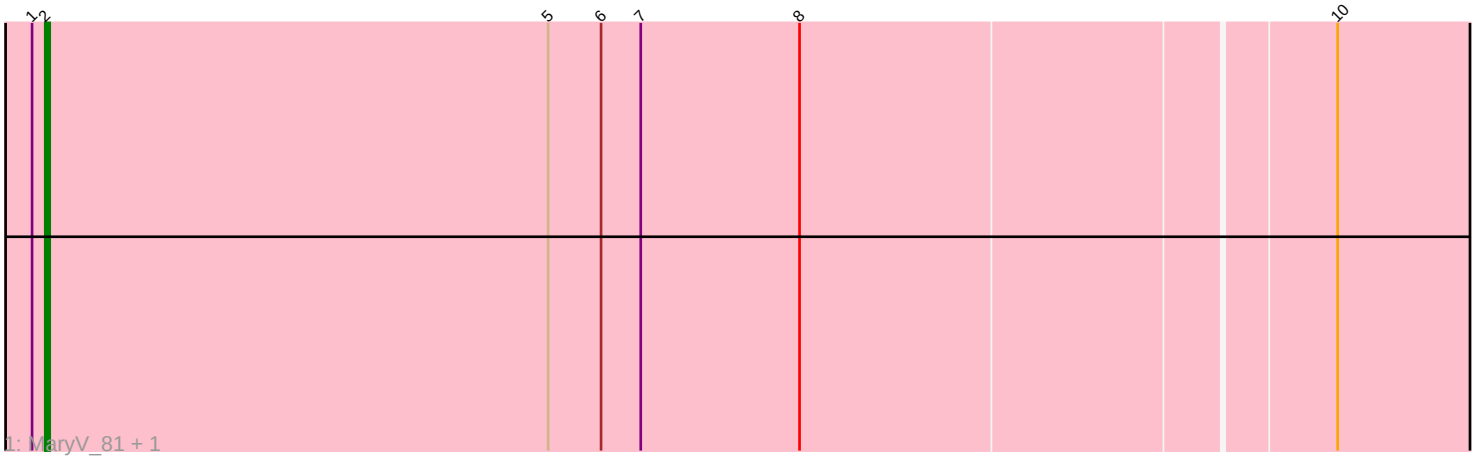
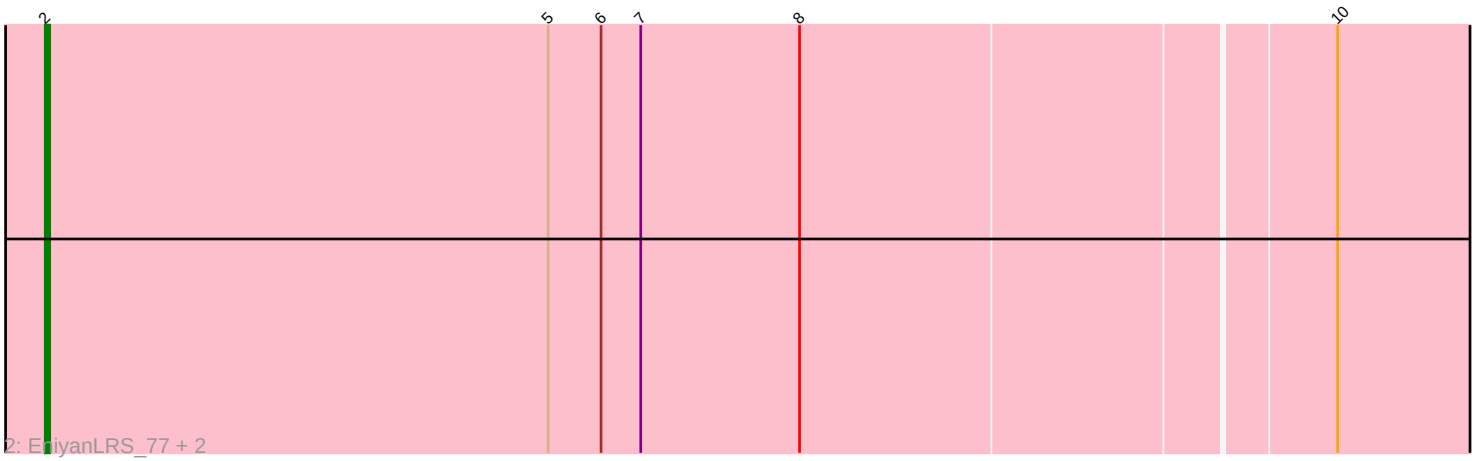
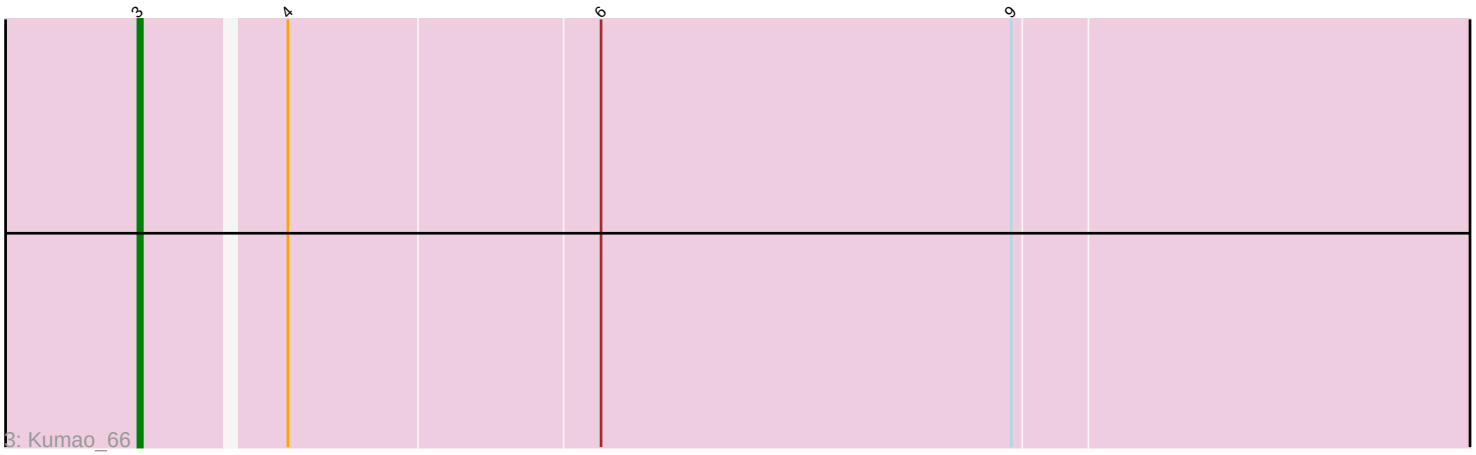
Pham 201034







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 201034 Report

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

Pham number 201034 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : MaryV_81, Wildcat_81
• Track 2 : EniyanLRS_77, Azrael100_80, Cosmo_81
• Track 3 : Kumao_66

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Azrael100_80, Cosmo_81, EniyanLRS_77, MaryV_81, Wildcat_81,

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

Genes that do not have the "Most Annotated" start:
• Kumao_66,

Summary by start number:

Start 2:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Azrael100_80 (V), Cosmo_81 (V), EniyanLRS_77 (V), MaryV_81 (V), Wildcat_81 (V),

Start 3:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumao_66 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, V,

Info for manual annotations of cluster V:
•Start number 2 was manually annotated 5 times for cluster V.

Gene Information:

Gene: Azrael100_80 Start: 51318, Stop: 51656, Start Num: 2
Candidate Starts for Azrael100_80:
(Start: 2 @51318 has 5 MA's), (5, 51432), (6, 51444), (7, 51453), (8, 51489), (10, 51606),

Gene: Cosmo_81 Start: 51319, Stop: 51657, Start Num: 2
Candidate Starts for Cosmo_81:
(Start: 2 @51319 has 5 MA's), (5, 51433), (6, 51445), (7, 51454), (8, 51490), (10, 51607),

Gene: EniyanLRS_77 Start: 51058, Stop: 51396, Start Num: 2
Candidate Starts for EniyanLRS_77:
(Start: 2 @51058 has 5 MA's), (5, 51172), (6, 51184), (7, 51193), (8, 51229), (10, 51346),

Gene: Kumao_66 Start: 46834, Stop: 47148, Start Num: 3
Candidate Starts for Kumao_66:
(Start: 3 @46834 has 1 MA's), (4, 46864), (6, 46933), (9, 47026),

Gene: MaryV_81 Start: 51140, Stop: 51478, Start Num: 2
Candidate Starts for MaryV_81:
(1, 51137), (Start: 2 @51140 has 5 MA's), (5, 51254), (6, 51266), (7, 51275), (8, 51311), (10, 51428),

Gene: Wildcat_81 Start: 51150, Stop: 51488, Start Num: 2
Candidate Starts for Wildcat_81:
(1, 51147), (Start: 2 @51150 has 5 MA's), (5, 51264), (6, 51276), (7, 51285), (8, 51321), (10, 51438),