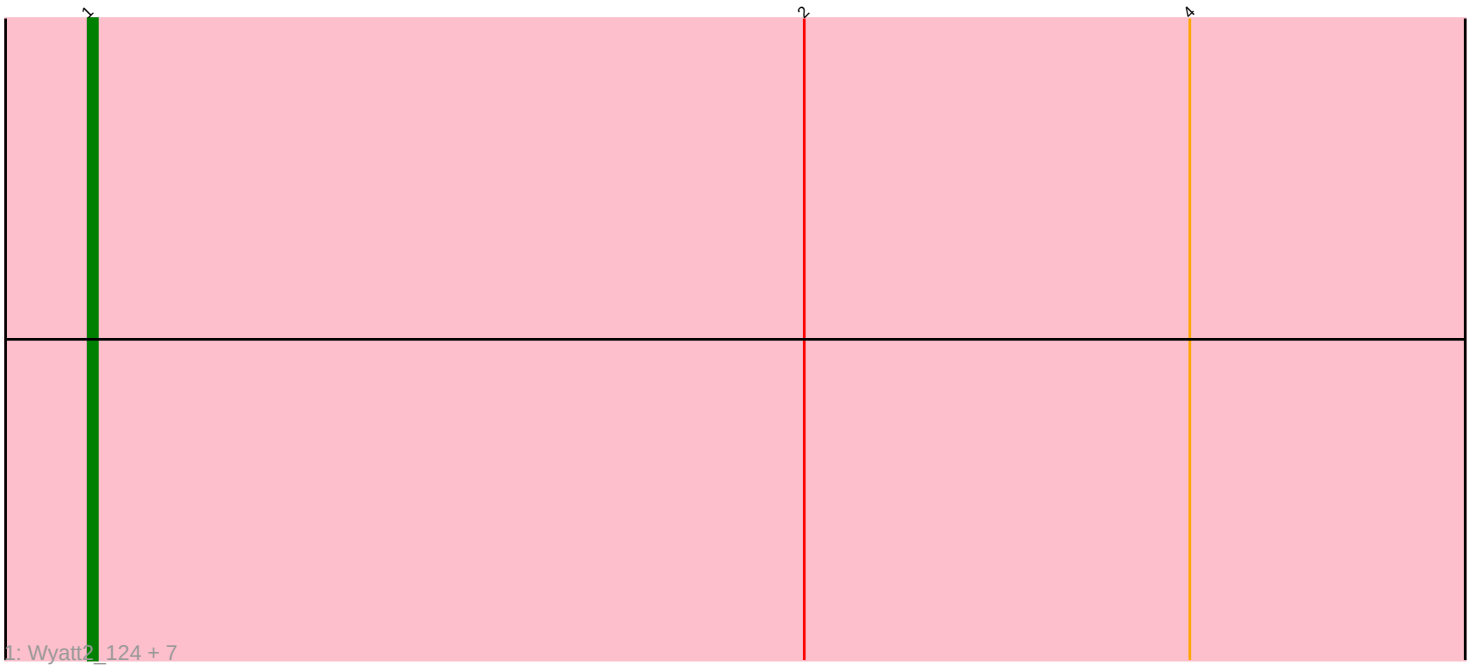
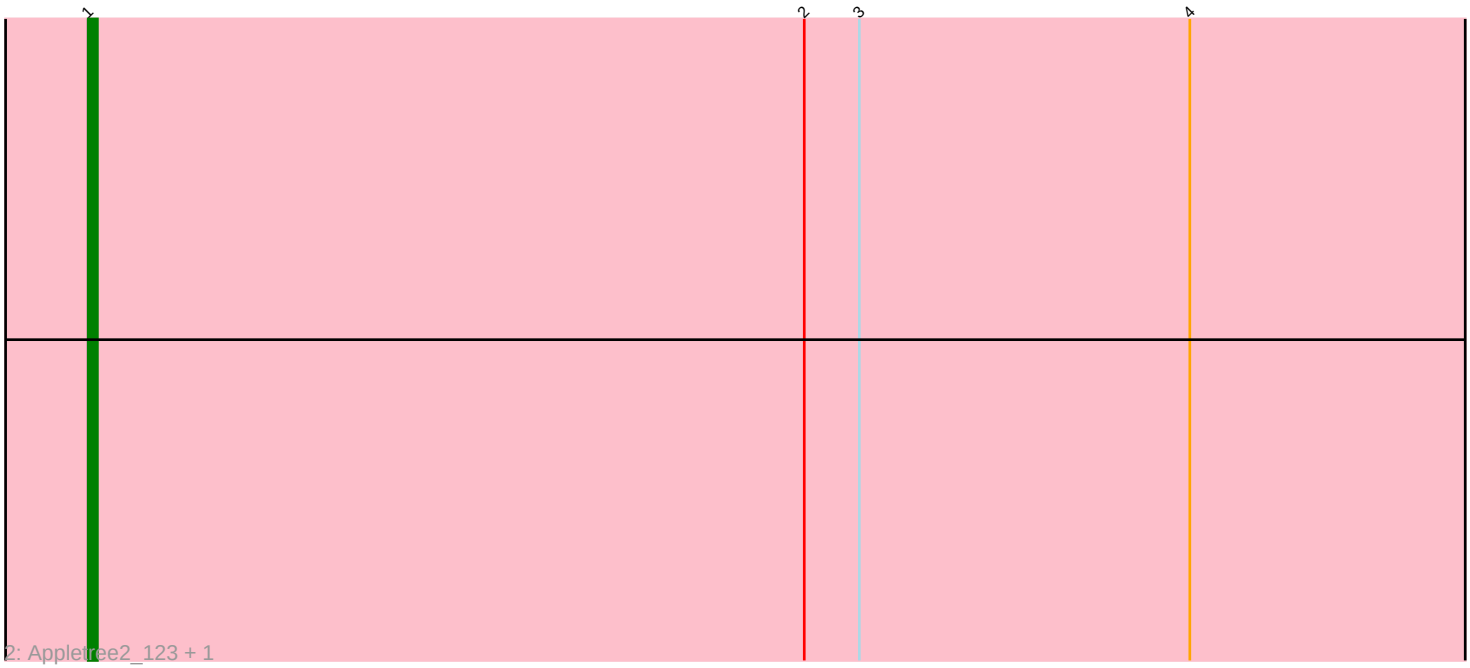
Pham 87470





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 87470 Report

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

Pham number 87470 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Wyatt2_124, Zaria_128, AvadaKedavra_124, Halena_124, JoeDirt_126, Wamburgrxpress_126, Tyson_125, Calm_131
• Track 2 : Appletree2_123, Silverleaf_121

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

The start number called the most often in the published annotations is 1, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Appletree2_123, AvadaKedavra_124, Calm_131, Halena_124, JoeDirt_126, Silverleaf_121, Tyson_125, Wamburgrxpress_126, Wyatt2_124, Zaria_128,

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 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Appletree2_123 (L1), AvadaKedavra_124 (L1), Calm_131 (L1), Halena_124 (L1), JoeDirt_126 (L1), Silverleaf_121 (L1), Tyson_125 (L1), Wamburgrxpress_126 (L1), Wyatt2_124 (L1), Zaria_128 (L1),

Summary by clusters:

There is one cluster represented in this pham: L1

Info for manual annotations of cluster L1:
•Start number 1 was manually annotated 10 times for cluster L1.

Gene Information:

Gene: Appletree2_123 Start: 67245, Stop: 66976, Start Num: 1
Candidate Starts for Appletree2_123:
(Start: 1 @67245 has 10 MA's), (2, 67167), (3, 67161), (4, 67125),

Gene: AvadaKedavra_124 Start: 67318, Stop: 67049, Start Num: 1
Candidate Starts for AvadaKedavra_124:
(Start: 1 @67318 has 10 MA's), (2, 67240), (4, 67198),

Gene: Calm_131 Start: 68419, Stop: 68150, Start Num: 1
Candidate Starts for Calm_131:
(Start: 1 @68419 has 10 MA's), (2, 68341), (4, 68299),

Gene: Halena_124 Start: 67192, Stop: 66923, Start Num: 1
Candidate Starts for Halena_124:
(Start: 1 @67192 has 10 MA's), (2, 67114), (4, 67072),

Gene: JoeDirt_126 Start: 68423, Stop: 68154, Start Num: 1
Candidate Starts for JoeDirt_126:
(Start: 1 @68423 has 10 MA's), (2, 68345), (4, 68303),

Gene: Silverleaf_121 Start: 66783, Stop: 66514, Start Num: 1
Candidate Starts for Silverleaf_121:
(Start: 1 @66783 has 10 MA's), (2, 66705), (3, 66699), (4, 66663),

Gene: Tyson_125 Start: 67912, Stop: 67643, Start Num: 1
Candidate Starts for Tyson_125:
(Start: 1 @67912 has 10 MA's), (2, 67834), (4, 67792),

Gene: Wamburgrxpress_126 Start: 67815, Stop: 67546, Start Num: 1
Candidate Starts for Wamburgrxpress_126:
(Start: 1 @67815 has 10 MA's), (2, 67737), (4, 67695),

Gene: Wyatt2_124 Start: 67575, Stop: 67306, Start Num: 1
Candidate Starts for Wyatt2_124:
(Start: 1 @67575 has 10 MA's), (2, 67497), (4, 67455),

Gene: Zaria_128 Start: 67884, Stop: 67615, Start Num: 1
Candidate Starts for Zaria_128:
(Start: 1 @67884 has 10 MA's), (2, 67806), (4, 67764),