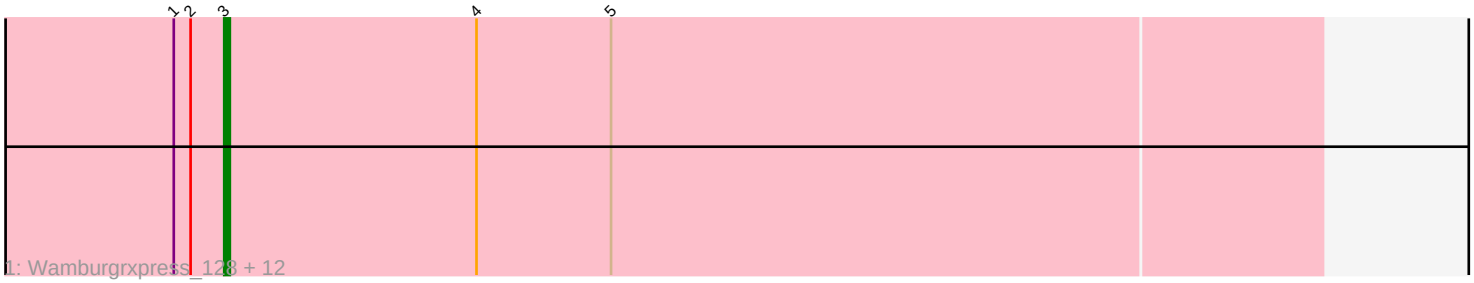
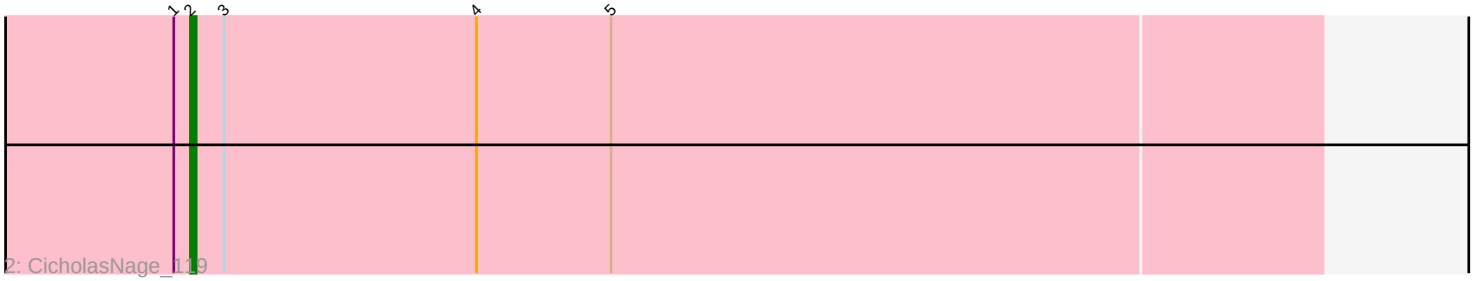
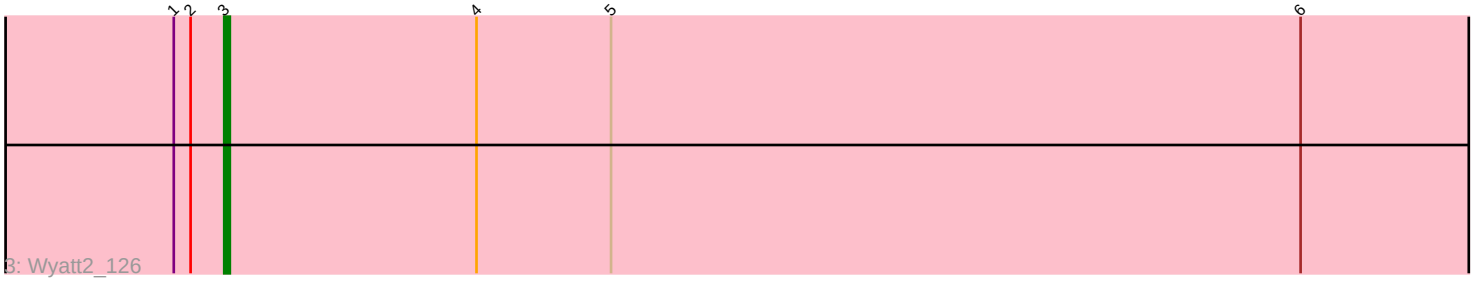
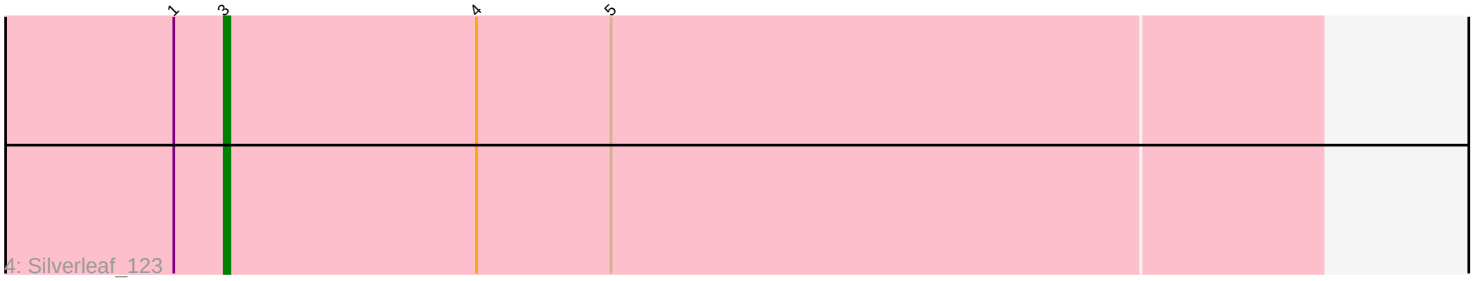
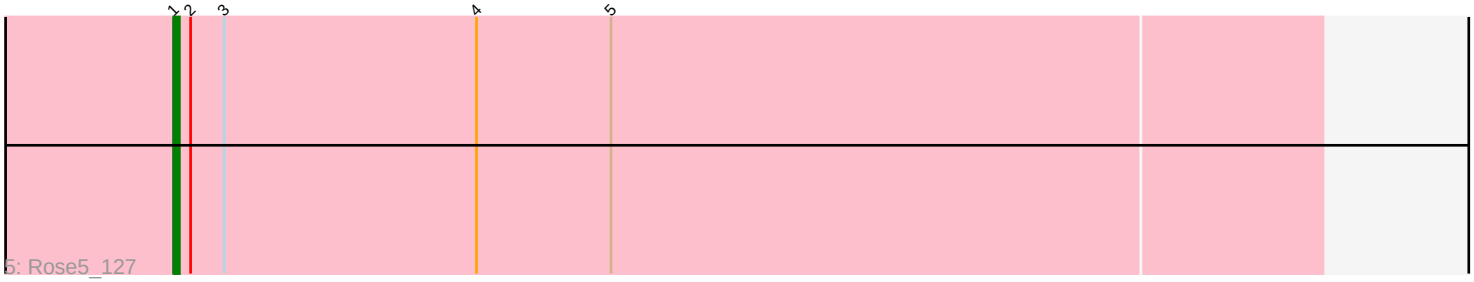
Pham 86871


1
2
3
4
5
1: Wamburgrxpress_128 + 12


1
2
3
4
5
2: CicholasNage_119


1
2
3
4
5
6
3: Wyatt2_126


1
3
4
5
4: Silverleaf_123


1
2
3
4
5
5: Rose5_127

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 86871 Report

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

Pham number 86871 has 17 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wamburgrxpress_128, JoeDirt_128, MAckerman_124, Halena_126, AvadaKedavra_126, UPIE_125, Acquire49_126, OhShagHennessy_118, Appletree2_125, Tyson_127, LeBron_125, Calm_133, Zaria_130
• Track 2 : CicholasNage_119
• Track 3 : Wyatt2_126
• Track 4 : Silverleaf_123
• Track 5 : Rose5_127

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

The start number called the most often in the published annotations is 3, it was called in 14 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_126, Appletree2_125, AvadaKedavra_126, Calm_133, Halena_126, JoeDirt_128, LeBron_125, MAckerman_124, OhShagHennessy_118, Silverleaf_123, Tyson_127, UPIE_125, Wamburgrxpress_128, Wyatt2_126, Zaria_130,

Genes that have the "Most Annotated" start but do not call it:
• CicholasNage_119, Rose5_127,

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

Summary by start number:

Start 1:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 5.9% of time when present
• Phage (with cluster) where this start called: Rose5_127 (L1),

Start 2:
• Found in 16 of 17 (94.1%) of genes in pham

• Manual Annotations of this start: 1 of 16
• Called 6.2% of time when present
• Phage (with cluster) where this start called: CicholasNage_119 (L1),

Start 3:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 16
• Called 88.2% of time when present
• Phage (with cluster) where this start called: Acquire49_126 (L1), Appletree2_125 (L1), AvadaKedavra_126 (L1), Calm_133 (L1), Halena_126 (L1), JoeDirt_128 (L1), LeBron_125 (L1), MAckerman_124 (L1), OhShagHennessy_118 (L1), Silverleaf_123 (L1), Tyson_127 (L1), UPIE_125 (L1), Wamburgrxpress_128 (L1), Wyatt2_126 (L1), Zaria_130 (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 1 time for cluster L1.
•Start number 2 was manually annotated 1 time for cluster L1.
•Start number 3 was manually annotated 14 times for cluster L1.

Gene Information:

Gene: Acquire49_126 Start: 67711, Stop: 67517, Start Num: 3
Candidate Starts for Acquire49_126:
(Start: 1 @67720 has 1 MA's), (Start: 2 @67717 has 1 MA's), (Start: 3 @67711 has 14 MA's), (4, 67666), (5, 67642),

Gene: Appletree2_125 Start: 67767, Stop: 67558, Start Num: 3
Candidate Starts for Appletree2_125:
(Start: 1 @67776 has 1 MA's), (Start: 2 @67773 has 1 MA's), (Start: 3 @67767 has 14 MA's), (4, 67722), (5, 67698),

Gene: AvadaKedavra_126 Start: 67825, Stop: 67631, Start Num: 3
Candidate Starts for AvadaKedavra_126:
(Start: 1 @67834 has 1 MA's), (Start: 2 @67831 has 1 MA's), (Start: 3 @67825 has 14 MA's), (4, 67780), (5, 67756),

Gene: Calm_133 Start: 68926, Stop: 68732, Start Num: 3
Candidate Starts for Calm_133:
(Start: 1 @68935 has 1 MA's), (Start: 2 @68932 has 1 MA's), (Start: 3 @68926 has 14 MA's), (4, 68881), (5, 68857),

Gene: CicholasNage_119 Start: 68062, Stop: 67862, Start Num: 2
Candidate Starts for CicholasNage_119:
(Start: 1 @68065 has 1 MA's), (Start: 2 @68062 has 1 MA's), (Start: 3 @68056 has 14 MA's), (4, 68011), (5, 67987),

Gene: Halena_126 Start: 67699, Stop: 67505, Start Num: 3

Candidate Starts for Halena_126:
(Start: 1 @67708 has 1 MA's), (Start: 2 @67705 has 1 MA's), (Start: 3 @67699 has 14 MA's), (4, 67654), (5, 67630),

Gene: JoeDirt_128 Start: 68930, Stop: 68736, Start Num: 3
Candidate Starts for JoeDirt_128:
(Start: 1 @68939 has 1 MA's), (Start: 2 @68936 has 1 MA's), (Start: 3 @68930 has 14 MA's), (4, 68885), (5, 68861),

Gene: LeBron_125 Start: 67330, Stop: 67121, Start Num: 3
Candidate Starts for LeBron_125:
(Start: 1 @67339 has 1 MA's), (Start: 2 @67336 has 1 MA's), (Start: 3 @67330 has 14 MA's), (4, 67285), (5, 67261),

Gene: MAckerman_124 Start: 67692, Stop: 67498, Start Num: 3
Candidate Starts for MAckerman_124:
(Start: 1 @67701 has 1 MA's), (Start: 2 @67698 has 1 MA's), (Start: 3 @67692 has 14 MA's), (4, 67647), (5, 67623),

Gene: OhShagHennessy_118 Start: 66492, Stop: 66283, Start Num: 3
Candidate Starts for OhShagHennessy_118:
(Start: 1 @66501 has 1 MA's), (Start: 2 @66498 has 1 MA's), (Start: 3 @66492 has 14 MA's), (4, 66447), (5, 66423),

Gene: Rose5_127 Start: 67999, Stop: 67796, Start Num: 1
Candidate Starts for Rose5_127:
(Start: 1 @67999 has 1 MA's), (Start: 2 @67996 has 1 MA's), (Start: 3 @67990 has 14 MA's), (4, 67945), (5, 67921),

Gene: Silverleaf_123 Start: 67417, Stop: 67223, Start Num: 3
Candidate Starts for Silverleaf_123:
(Start: 1 @67426 has 1 MA's), (Start: 3 @67417 has 14 MA's), (4, 67372), (5, 67348),

Gene: Tyson_127 Start: 68419, Stop: 68225, Start Num: 3
Candidate Starts for Tyson_127:
(Start: 1 @68428 has 1 MA's), (Start: 2 @68425 has 1 MA's), (Start: 3 @68419 has 14 MA's), (4, 68374), (5, 68350),

Gene: UPIE_125 Start: 67656, Stop: 67462, Start Num: 3
Candidate Starts for UPIE_125:
(Start: 1 @67665 has 1 MA's), (Start: 2 @67662 has 1 MA's), (Start: 3 @67656 has 14 MA's), (4, 67611), (5, 67587),

Gene: Wamburgrxpress_128 Start: 68322, Stop: 68128, Start Num: 3
Candidate Starts for Wamburgrxpress_128:
(Start: 1 @68331 has 1 MA's), (Start: 2 @68328 has 1 MA's), (Start: 3 @68322 has 14 MA's), (4, 68277), (5, 68253),

Gene: Wyatt2_126 Start: 68083, Stop: 67850, Start Num: 3
Candidate Starts for Wyatt2_126:
(Start: 1 @68092 has 1 MA's), (Start: 2 @68089 has 1 MA's), (Start: 3 @68083 has 14 MA's), (4, 68038), (5, 68014), (6, 67891),

Gene: Zaria_130 Start: 68391, Stop: 68197, Start Num: 3
Candidate Starts for Zaria_130:
(Start: 1 @68400 has 1 MA's), (Start: 2 @68397 has 1 MA's), (Start: 3 @68391 has 14 MA's), (4, 68346), (5, 68322),