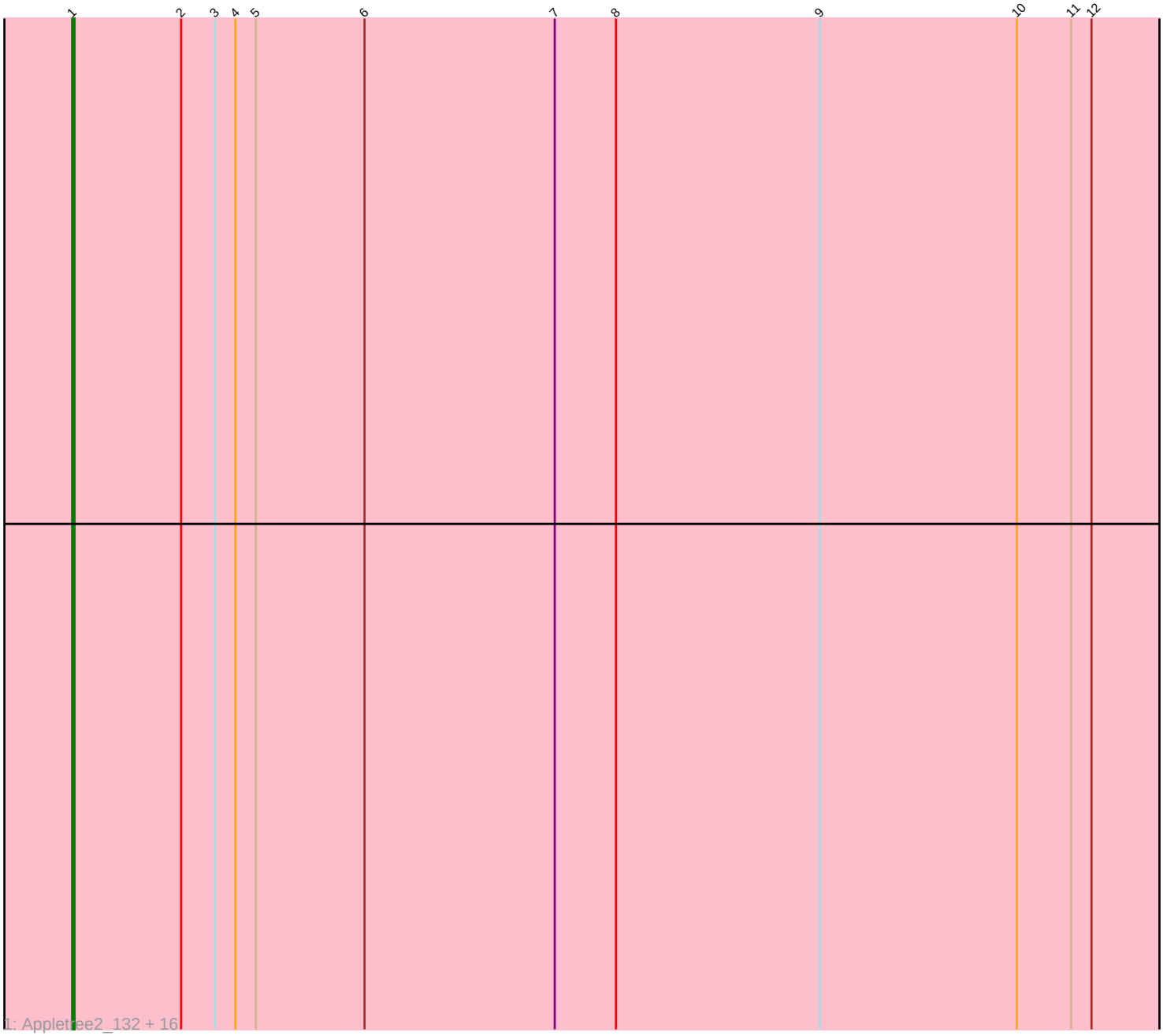
Pham 224957



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 224957 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224957 has 17 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Appletree2_132, UPIE_130, LeBron_131, AvadaKedavra_132, Zaria_136, JoeDirt_133, CicholasNage_122, MAckerman_132, OhShagHennessy_124, Poochiewood_124, Halena_131, Calm_138, Acquire49_131, Wyatt2_131, Rose5_132, Tyson_133, Wamburgrxpress_135

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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_131, Appletree2_132, AvadaKedavra_132, Calm_138, CicholasNage_122, Halena_131, JoeDirt_133, LeBron_131, MAckerman_132, OhShagHennessy_124, Poochiewood_124, Rose5_132, Tyson_133, UPIE_130, Wamburgrxpress_135, Wyatt2_131, Zaria_136,

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 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acquire49_131 (L1), Appletree2_132 (L1), AvadaKedavra_132 (L1), Calm_138 (L1), CicholasNage_122 (L1), Halena_131 (L1), JoeDirt_133 (L1), LeBron_131 (L1), MAckerman_132 (L1), OhShagHennessy_124 (L1), Poochiewood_124 (L1), Rose5_132 (L1), Tyson_133 (L1), UPIE_130 (L1), Wamburgrxpress_135 (L1), Wyatt2_131 (L1), Zaria_136 (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 16 times for cluster L1.

Gene Information:

Gene: Acquire49_131 Start: 72845, Stop: 72333, Start Num: 1
Candidate Starts for Acquire49_131:
(Start: 1 @72845 has 16 MA's), (2, 72797), (3, 72782), (4, 72773), (5, 72764), (6, 72716), (7, 72632), (8, 72605), (9, 72515), (10, 72428), (11, 72404), (12, 72395),

Gene: Appletree2_132 Start: 73023, Stop: 72511, Start Num: 1
Candidate Starts for Appletree2_132:
(Start: 1 @73023 has 16 MA's), (2, 72975), (3, 72960), (4, 72951), (5, 72942), (6, 72894), (7, 72810), (8, 72783), (9, 72693), (10, 72606), (11, 72582), (12, 72573),

Gene: AvadaKedavra_132 Start: 72888, Stop: 72376, Start Num: 1
Candidate Starts for AvadaKedavra_132:
(Start: 1 @72888 has 16 MA's), (2, 72840), (3, 72825), (4, 72816), (5, 72807), (6, 72759), (7, 72675), (8, 72648), (9, 72558), (10, 72471), (11, 72447), (12, 72438),

Gene: Calm_138 Start: 74106, Stop: 73594, Start Num: 1
Candidate Starts for Calm_138:
(Start: 1 @74106 has 16 MA's), (2, 74058), (3, 74043), (4, 74034), (5, 74025), (6, 73977), (7, 73893), (8, 73866), (9, 73776), (10, 73689), (11, 73665), (12, 73656),

Gene: CicholasNage_122 Start: 70202, Stop: 69690, Start Num: 1
Candidate Starts for CicholasNage_122:
(Start: 1 @70202 has 16 MA's), (2, 70154), (3, 70139), (4, 70130), (5, 70121), (6, 70073), (7, 69989), (8, 69962), (9, 69872), (10, 69785), (11, 69761), (12, 69752),

Gene: Halena_131 Start: 73043, Stop: 72531, Start Num: 1
Candidate Starts for Halena_131:
(Start: 1 @73043 has 16 MA's), (2, 72995), (3, 72980), (4, 72971), (5, 72962), (6, 72914), (7, 72830), (8, 72803), (9, 72713), (10, 72626), (11, 72602), (12, 72593),

Gene: JoeDirt_133 Start: 74086, Stop: 73574, Start Num: 1
Candidate Starts for JoeDirt_133:
(Start: 1 @74086 has 16 MA's), (2, 74038), (3, 74023), (4, 74014), (5, 74005), (6, 73957), (7, 73873), (8, 73846), (9, 73756), (10, 73669), (11, 73645), (12, 73636),

Gene: LeBron_131 Start: 72608, Stop: 72096, Start Num: 1
Candidate Starts for LeBron_131:
(Start: 1 @72608 has 16 MA's), (2, 72560), (3, 72545), (4, 72536), (5, 72527), (6, 72479), (7, 72395), (8, 72368), (9, 72278), (10, 72191), (11, 72167), (12, 72158),

Gene: MAckerman_132 Start: 73046, Stop: 72534, Start Num: 1
Candidate Starts for MAckerman_132:

(Start: 1 @73046 has 16 MA's), (2, 72998), (3, 72983), (4, 72974), (5, 72965), (6, 72917), (7, 72833), (8, 72806), (9, 72716), (10, 72629), (11, 72605), (12, 72596),

Gene: OhShagHennessy_124 Start: 71807, Stop: 71295, Start Num: 1
Candidate Starts for OhShagHennessy_124:
(Start: 1 @71807 has 16 MA's), (2, 71759), (3, 71744), (4, 71735), (5, 71726), (6, 71678), (7, 71594), (8, 71567), (9, 71477), (10, 71390), (11, 71366), (12, 71357),

Gene: Poochiewood_124 Start: 70632, Stop: 70120, Start Num: 1
Candidate Starts for Poochiewood_124:
(Start: 1 @70632 has 16 MA's), (2, 70584), (3, 70569), (4, 70560), (5, 70551), (6, 70503), (7, 70419), (8, 70392), (9, 70302), (10, 70215), (11, 70191), (12, 70182),

Gene: Rose5_132 Start: 73116, Stop: 72604, Start Num: 1
Candidate Starts for Rose5_132:
(Start: 1 @73116 has 16 MA's), (2, 73068), (3, 73053), (4, 73044), (5, 73035), (6, 72987), (7, 72903), (8, 72876), (9, 72786), (10, 72699), (11, 72675), (12, 72666),

Gene: Tyson_133 Start: 73596, Stop: 73084, Start Num: 1
Candidate Starts for Tyson_133:
(Start: 1 @73596 has 16 MA's), (2, 73548), (3, 73533), (4, 73524), (5, 73515), (6, 73467), (7, 73383), (8, 73356), (9, 73266), (10, 73179), (11, 73155), (12, 73146),

Gene: UPIE_130 Start: 72915, Stop: 72403, Start Num: 1
Candidate Starts for UPIE_130:
(Start: 1 @72915 has 16 MA's), (2, 72867), (3, 72852), (4, 72843), (5, 72834), (6, 72786), (7, 72702), (8, 72675), (9, 72585), (10, 72498), (11, 72474), (12, 72465),

Gene: Wamburgrxpress_135 Start: 73573, Stop: 73061, Start Num: 1
Candidate Starts for Wamburgrxpress_135:
(Start: 1 @73573 has 16 MA's), (2, 73525), (3, 73510), (4, 73501), (5, 73492), (6, 73444), (7, 73360), (8, 73333), (9, 73243), (10, 73156), (11, 73132), (12, 73123),

Gene: Wyatt2_131 Start: 73222, Stop: 72710, Start Num: 1
Candidate Starts for Wyatt2_131:
(Start: 1 @73222 has 16 MA's), (2, 73174), (3, 73159), (4, 73150), (5, 73141), (6, 73093), (7, 73009), (8, 72982), (9, 72892), (10, 72805), (11, 72781), (12, 72772),

Gene: Zaria_136 Start: 73571, Stop: 73059, Start Num: 1
Candidate Starts for Zaria_136:
(Start: 1 @73571 has 16 MA's), (2, 73523), (3, 73508), (4, 73499), (5, 73490), (6, 73442), (7, 73358), (8, 73331), (9, 73241), (10, 73154), (11, 73130), (12, 73121),