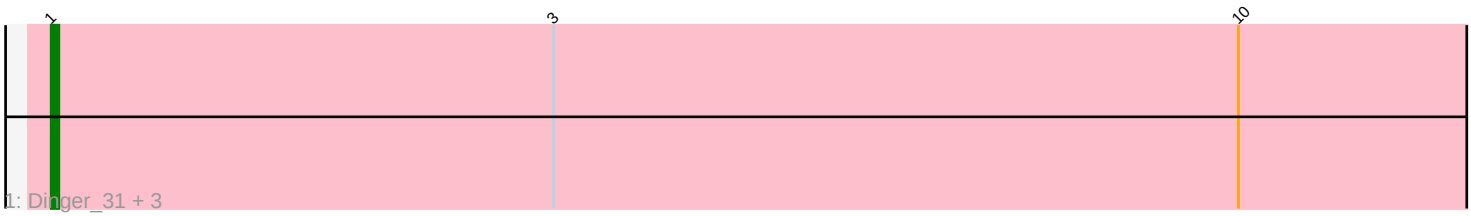
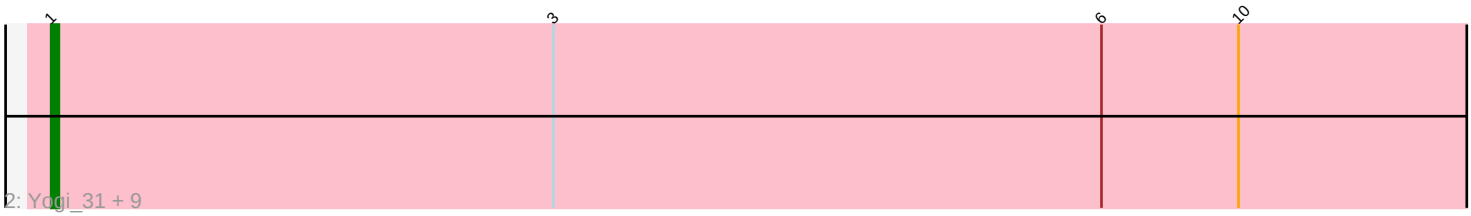
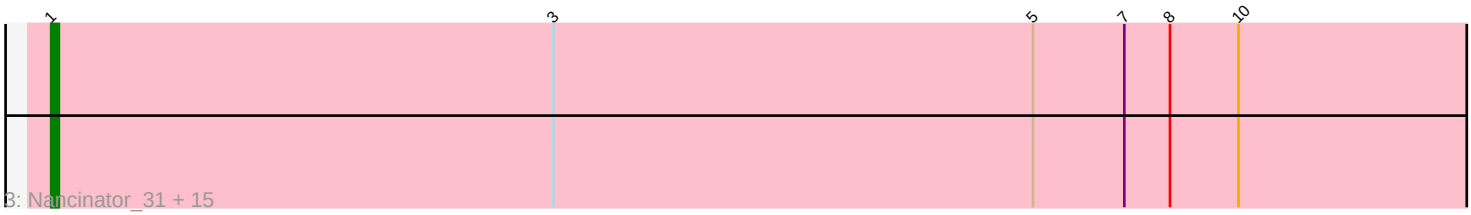
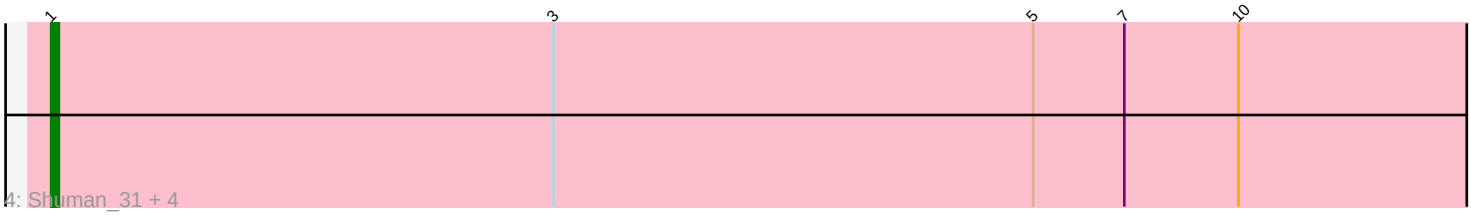
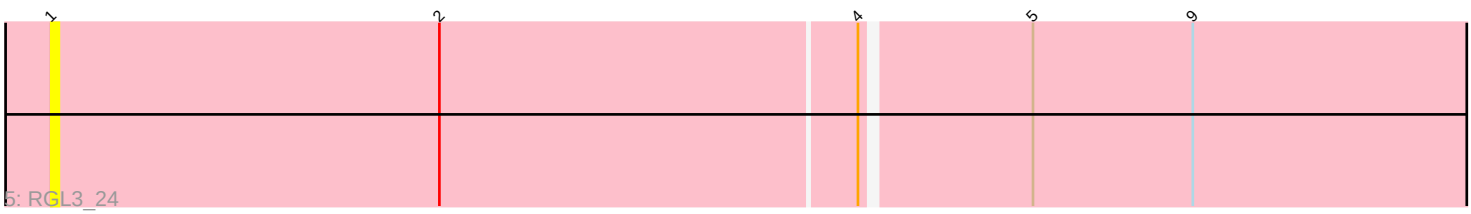
Pham 331028

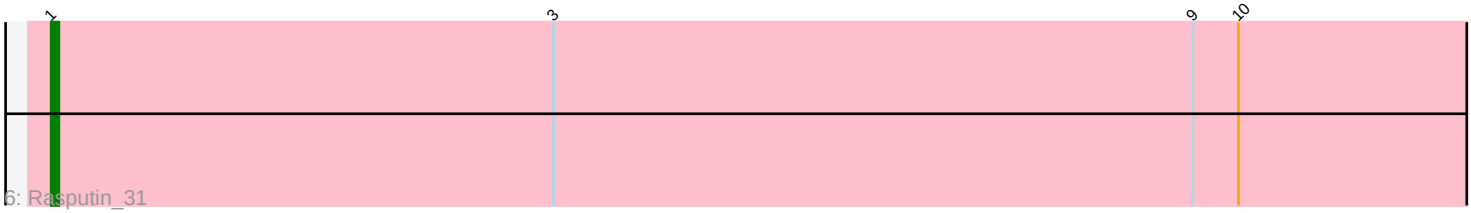

1
3
10
1: Dinger_31 + 3

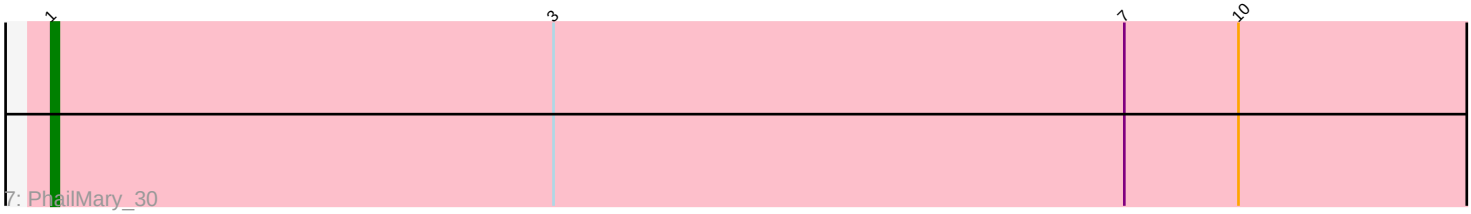

1
3
6
10
2: Yogi_31 + 9


1
3
5
7
8
10
3: Nancinator_31 + 15


1
3
5
7
10
4: Shuman_31 + 4


1
2
4
5
9
5: RGL3_24


1
3
9
10
6: Rasputin_31


1
3
7
10
7: PhailMary_30

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 331028 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331028 has 38 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Dinger_31, AppleCloud_29, Partridge_31, Krishelle_31
• Track 2 : Yogi_31, Hiro_31, RER2_24, Jester_31, Harlequin_31, Alpacados_30, Yoncess_31, Bonanza_31, Bryce_31, BobbyDazzler_31
• Track 3 : Nancinator_31, Belenaria_31, Alatin_31, Natosaleda_31, UhSalsa_31, TWAMP_31, Swann_31, Bradshaw_31, Phrankenstein_31, Espica_31, CosmicSans_31, StCroix_31, Rhodalysa_31, Lillie_31, Erik_31, Naiad_31
• Track 4 : Shuman_31, AngryOrchard_30, Takoda_31, RexFury_31, Gollum_31
• Track 5 : RGL3_24
• Track 6 : Rasputin_31
• Track 7 : PhailMary_30

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 36 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatin_31, Alpacados_30, AngryOrchard_30, AppleCloud_29, Belenaria_31, BobbyDazzler_31, Bonanza_31, Bradshaw_31, Bryce_31, CosmicSans_31, Dinger_31, Erik_31, Espica_31, Gollum_31, Harlequin_31, Hiro_31, Jester_31, Krishelle_31, Lillie_31, Naiad_31, Nancinator_31, Natosaleda_31, Partridge_31, PhailMary_30, Phrankenstein_31, RER2_24, RGL3_24, Rasputin_31, RexFury_31, Rhodalysa_31, Shuman_31, StCroix_31, Swann_31, TWAMP_31, Takoda_31, UhSalsa_31, Yogi_31, Yoncess_31,

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 38 of 38 (100.0%) of genes in pham
• Manual Annotations of this start: 36 of 36
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatin_31 (CA), Alpacados_30 (CA), AngryOrchard_30 (CA), AppleCloud_29 (CA), Belenaria_31 (CA), BobbyDazzler_31 (CA), Bonanza_31 (CA), Bradshaw_31 (CA), Bryce_31 (CA), CosmicSans_31 (CA), Dinger_31 (CA), Erik_31 (CA), Espica_31 (CA), Gollum_31 (CA), Harlequin_31 (CA), Hiro_31 (CA), Jester_31 (CA), Krishelle_31 (CA), Lillie_31 (CA), Naiad_31 (CA), Nancinator_31 (CA), Natosaleda_31 (CA), Partridge_31 (CA), PhailMary_30 (CA), Phrankenstein_31 (CA), RER2_24 (CA), RGL3_24 (CA), Rasputin_31 (CA), RexFury_31 (CA), Rhodalysa_31 (CA), Shuman_31 (CA), StCroix_31 (CA), Swann_31 (CA), TWAMP_31 (CA), Takoda_31 (CA), UhSalsa_31 (CA), Yogi_31 (CA), Yoncess_31 (CA),

Summary by clusters:

There is one cluster represented in this pham: CA

Info for manual annotations of cluster CA:
•Start number 1 was manually annotated 36 times for cluster CA.

Gene Information:

Gene: Alatin_31 Start: 25008, Stop: 24805, Start Num: 1
Candidate Starts for Alatin_31:
(Start: 1 @25008 has 36 MA's), (3, 24942), (5, 24879), (7, 24867), (8, 24861), (10, 24852),

Gene: Alpacados_30 Start: 24877, Stop: 24674, Start Num: 1
Candidate Starts for Alpacados_30:
(Start: 1 @24877 has 36 MA's), (3, 24811), (6, 24739), (10, 24721),

Gene: AngryOrchard_30 Start: 24873, Stop: 24670, Start Num: 1
Candidate Starts for AngryOrchard_30:
(Start: 1 @24873 has 36 MA's), (3, 24807), (5, 24744), (7, 24732), (10, 24717),

Gene: AppleCloud_29 Start: 24883, Stop: 24680, Start Num: 1
Candidate Starts for AppleCloud_29:
(Start: 1 @24883 has 36 MA's), (3, 24817), (10, 24727),

Gene: Belenaria_31 Start: 24942, Stop: 24739, Start Num: 1
Candidate Starts for Belenaria_31:
(Start: 1 @24942 has 36 MA's), (3, 24876), (5, 24813), (7, 24801), (8, 24795), (10, 24786),

Gene: BobbyDazzler_31 Start: 24987, Stop: 24784, Start Num: 1
Candidate Starts for BobbyDazzler_31:
(Start: 1 @24987 has 36 MA's), (3, 24921), (6, 24849), (10, 24831),

Gene: Bonanza_31 Start: 24915, Stop: 24712, Start Num: 1
Candidate Starts for Bonanza_31:
(Start: 1 @24915 has 36 MA's), (3, 24849), (6, 24777), (10, 24759),

Gene: Bradshaw_31 Start: 24941, Stop: 24738, Start Num: 1
Candidate Starts for Bradshaw_31:
(Start: 1 @24941 has 36 MA's), (3, 24875), (5, 24812), (7, 24800), (8, 24794), (10, 24785),

Gene: Bryce_31 Start: 24916, Stop: 24713, Start Num: 1
Candidate Starts for Bryce_31:
(Start: 1 @24916 has 36 MA's), (3, 24850), (6, 24778), (10, 24760),

Gene: CosmicSans_31 Start: 24941, Stop: 24738, Start Num: 1
Candidate Starts for CosmicSans_31:
(Start: 1 @24941 has 36 MA's), (3, 24875), (5, 24812), (7, 24800), (8, 24794), (10, 24785),

Gene: Dinger_31 Start: 24925, Stop: 24722, Start Num: 1
Candidate Starts for Dinger_31:
(Start: 1 @24925 has 36 MA's), (3, 24859), (10, 24769),

Gene: Erik_31 Start: 24939, Stop: 24736, Start Num: 1
Candidate Starts for Erik_31:
(Start: 1 @24939 has 36 MA's), (3, 24873), (5, 24810), (7, 24798), (8, 24792), (10, 24783),

Gene: Espica_31 Start: 24942, Stop: 24739, Start Num: 1
Candidate Starts for Espica_31:
(Start: 1 @24942 has 36 MA's), (3, 24876), (5, 24813), (7, 24801), (8, 24795), (10, 24786),

Gene: Gollum_31 Start: 24941, Stop: 24738, Start Num: 1
Candidate Starts for Gollum_31:
(Start: 1 @24941 has 36 MA's), (3, 24875), (5, 24812), (7, 24800), (10, 24785),

Gene: Harlequin_31 Start: 24946, Stop: 24743, Start Num: 1
Candidate Starts for Harlequin_31:
(Start: 1 @24946 has 36 MA's), (3, 24880), (6, 24808), (10, 24790),

Gene: Hiro_31 Start: 25201, Stop: 24998, Start Num: 1
Candidate Starts for Hiro_31:
(Start: 1 @25201 has 36 MA's), (3, 25135), (6, 25063), (10, 25045),

Gene: Jester_31 Start: 24877, Stop: 24674, Start Num: 1
Candidate Starts for Jester_31:
(Start: 1 @24877 has 36 MA's), (3, 24811), (6, 24739), (10, 24721),

Gene: Krishelle_31 Start: 25225, Stop: 25022, Start Num: 1
Candidate Starts for Krishelle_31:
(Start: 1 @25225 has 36 MA's), (3, 25159), (10, 25069),

Gene: Lillie_31 Start: 24941, Stop: 24738, Start Num: 1
Candidate Starts for Lillie_31:
(Start: 1 @24941 has 36 MA's), (3, 24875), (5, 24812), (7, 24800), (8, 24794), (10, 24785),

Gene: Naiad_31 Start: 24954, Stop: 24751, Start Num: 1
Candidate Starts for Naiad_31:
(Start: 1 @24954 has 36 MA's), (3, 24888), (5, 24825), (7, 24813), (8, 24807), (10, 24798),

Gene: Nancinator_31 Start: 24942, Stop: 24739, Start Num: 1

Candidate Starts for Nancinator_31:
(Start: 1 @24942 has 36 MA's), (3, 24876), (5, 24813), (7, 24801), (8, 24795), (10, 24786),

Gene: Natosaleda_31 Start: 24941, Stop: 24738, Start Num: 1
Candidate Starts for Natosaleda_31:
(Start: 1 @24941 has 36 MA's), (3, 24875), (5, 24812), (7, 24800), (8, 24794), (10, 24785),

Gene: Partridge_31 Start: 24988, Stop: 24785, Start Num: 1
Candidate Starts for Partridge_31:
(Start: 1 @24988 has 36 MA's), (3, 24922), (10, 24832),

Gene: PhailMary_30 Start: 25263, Stop: 25060, Start Num: 1
Candidate Starts for PhailMary_30:
(Start: 1 @25263 has 36 MA's), (3, 25197), (7, 25122), (10, 25107),

Gene: Phrankenstein_31 Start: 24887, Stop: 24684, Start Num: 1
Candidate Starts for Phrankenstein_31:
(Start: 1 @24887 has 36 MA's), (3, 24821), (5, 24758), (7, 24746), (8, 24740), (10, 24731),

Gene: RER2_24 Start: 21813, Stop: 21610, Start Num: 1
Candidate Starts for RER2_24:
(Start: 1 @21813 has 36 MA's), (3, 21747), (6, 21675), (10, 21657),

Gene: RGL3_24 Start: 22293, Stop: 22093, Start Num: 1
Candidate Starts for RGL3_24:
(Start: 1 @22293 has 36 MA's), (2, 22242), (4, 22188), (5, 22167), (9, 22146),

Gene: Rasputin_31 Start: 24911, Stop: 24708, Start Num: 1
Candidate Starts for Rasputin_31:
(Start: 1 @24911 has 36 MA's), (3, 24845), (9, 24761), (10, 24755),

Gene: RexFury_31 Start: 24972, Stop: 24769, Start Num: 1
Candidate Starts for RexFury_31:
(Start: 1 @24972 has 36 MA's), (3, 24906), (5, 24843), (7, 24831), (10, 24816),

Gene: Rhodalysa_31 Start: 24941, Stop: 24738, Start Num: 1
Candidate Starts for Rhodalysa_31:
(Start: 1 @24941 has 36 MA's), (3, 24875), (5, 24812), (7, 24800), (8, 24794), (10, 24785),

Gene: Shuman_31 Start: 24954, Stop: 24751, Start Num: 1
Candidate Starts for Shuman_31:
(Start: 1 @24954 has 36 MA's), (3, 24888), (5, 24825), (7, 24813), (10, 24798),

Gene: StCroix_31 Start: 24954, Stop: 24751, Start Num: 1
Candidate Starts for StCroix_31:
(Start: 1 @24954 has 36 MA's), (3, 24888), (5, 24825), (7, 24813), (8, 24807), (10, 24798),

Gene: Swann_31 Start: 24941, Stop: 24738, Start Num: 1
Candidate Starts for Swann_31:
(Start: 1 @24941 has 36 MA's), (3, 24875), (5, 24812), (7, 24800), (8, 24794), (10, 24785),

Gene: TWAMP_31 Start: 24941, Stop: 24738, Start Num: 1
Candidate Starts for TWAMP_31:

(Start: 1 @24941 has 36 MA's), (3, 24875), (5, 24812), (7, 24800), (8, 24794), (10, 24785),

Gene: Takoda_31 Start: 24914, Stop: 24711, Start Num: 1
Candidate Starts for Takoda_31:
(Start: 1 @24914 has 36 MA's), (3, 24848), (5, 24785), (7, 24773), (10, 24758),

Gene: UhSalsa_31 Start: 24942, Stop: 24739, Start Num: 1
Candidate Starts for UhSalsa_31:
(Start: 1 @24942 has 36 MA's), (3, 24876), (5, 24813), (7, 24801), (8, 24795), (10, 24786),

Gene: Yogi_31 Start: 24915, Stop: 24712, Start Num: 1
Candidate Starts for Yogi_31:
(Start: 1 @24915 has 36 MA's), (3, 24849), (6, 24777), (10, 24759),

Gene: Yoncess_31 Start: 24916, Stop: 24713, Start Num: 1
Candidate Starts for Yoncess_31:
(Start: 1 @24916 has 36 MA's), (3, 24850), (6, 24778), (10, 24760),