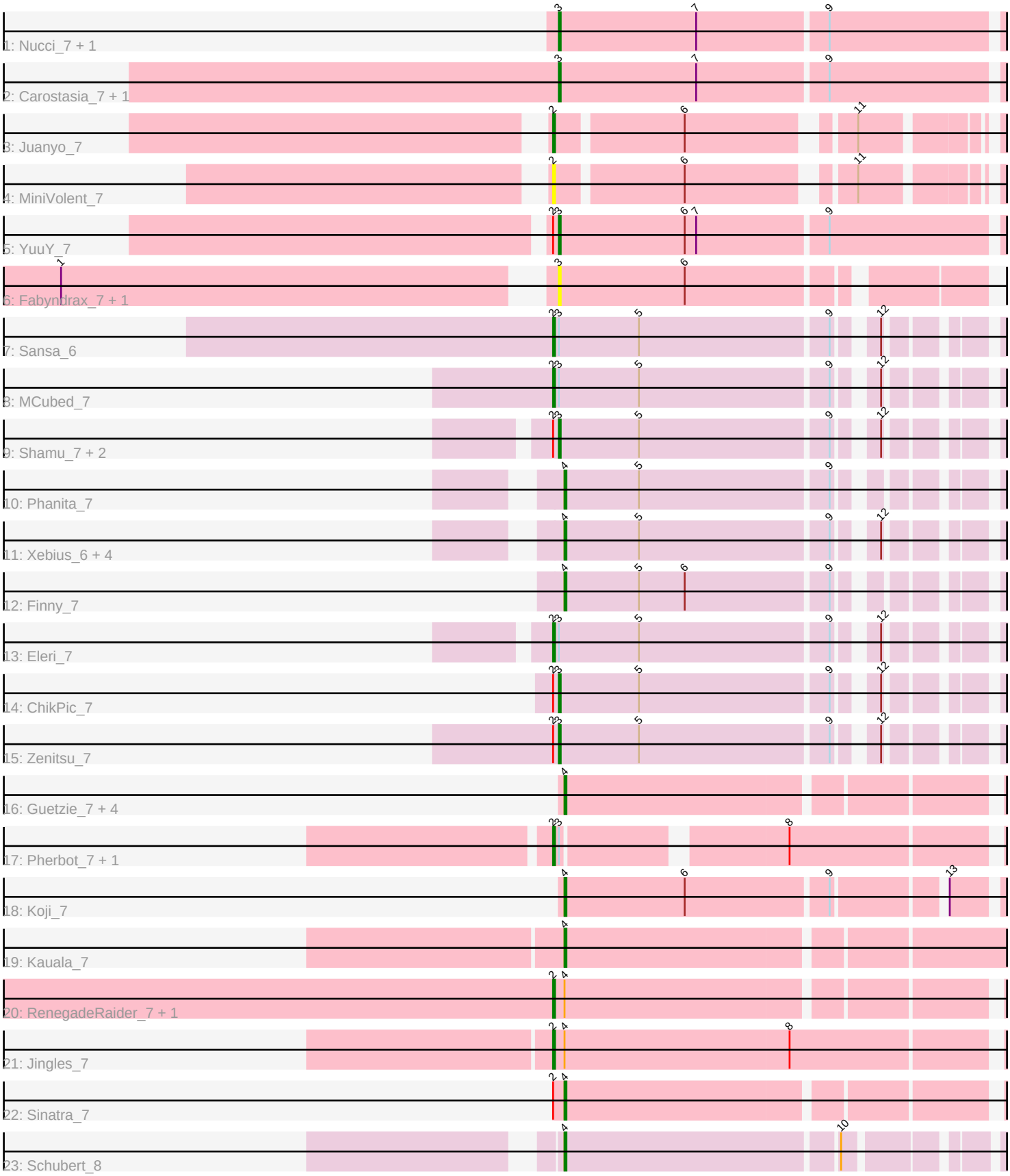
Pham 345937


1: Nucci_7 + 1
2: Carostasia_7 + 1
3: Juanyo_7
4: MiniVolent_7
5: YuuY_7
6: Fabyndrax_7 + 1
7: Sansa_6
8: MCubed_7
9: Shamu_7 + 2
10: Phanita_7
11: Xebius_6 + 4
12: Finny_7
13: Eleri_7
14: ChikPic_7
15: Zenitsu_7
16: Guetzie_7 + 4
17: Pherbot_7 + 1
18: Koji_7
19: Kauala_7
20: RenegadeRaider_7 + 1
21: Jingles_7
22: Sinatra_7
23: Schubert_8

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 345937 Report

This analysis was run 11/14/26 on database version 672.

Pham number 345937 has 38 members, 5 are drafts.

Phages represented in each track:
- Track 1 : Nucci_7, Mandalorian_7
- Track 2 : Carostasia_7, Quartz_7
- Track 3 : Juanyo_7
- Track 4 : MiniVolent_7
- Track 5 : YuuY_7
- Track 6 : Fabyndrax_7, Cidela_7
- Track 7 : Sansa_6
- Track 8 : MCubed_7
- Track 9 : Shamu_7, PSirce_7, Orpington_7
- Track 10 : Phanita_7
- Track 11 : Xebius_6, Glamour_6, Saratos_7, ColaCorta_7, Andromedas_7
- Track 12 : Finny_7
- Track 13 : Eleri_7
- Track 14 : ChikPic_7
- Track 15 : Zenitsu_7
- Track 16 : Guetzie_7, Golden_7, BouleyBill_7, SirVictor_7, Lucky3_7
- Track 17 : Pherbot_7, Bustleton_7
- Track 18 : Koji_7
- Track 19 : Kauala_7
- Track 20 : RenegadeRaider_7, PrincePhergus_7
- Track 21 : Jingles_7
- Track 22 : Sinatra_7
- Track 23 : Schubert_8

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

The start number called the most often in the published annotations is 4, it was called in 15 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Andromedas_7, BouleyBill_7, ColaCorta_7, Finny_7, Glamour_6, Golden_7, Guetzie_7, Kauala_7, Koji_7, Lucky3_7, Phanita_7, Saratos_7, Schubert_8, Sinatra_7, SirVictor_7, Xebius_6,

Genes that have the "Most Annotated" start but do not call it:
• Jingles_7, PrincePhergus_7, RenegadeRaider_7,

Genes that do not have the "Most Annotated" start:
• Bustleton_7, Carostasia_7, ChikPic_7, Cidela_7, Eleri_7, Fabyndrax_7, Juanyo_7, MCubed_7, Mandalorian_7, MiniVolent_7, Nucci_7, Orpington_7, PSirce_7, Pherbot_7, Quartz_7, Sansa_6, Shamu_7, YuuY_7, Zenitsu_7,

Summary by start number:

Start 2:
• Found in 17 of 38 (44.7%) of genes in pham
• Manual Annotations of this start: 8 of 33
• Called 58.8% of time when present
• Phage (with cluster) where this start called: Bustleton_7 (EA4), Eleri_7 (EA2), Jingles_7 (EA4), Juanyo_7 (EA10), MCubed_7 (EA2), MiniVolent_7 (EA10), Pherbot_7 (EA4), PrincePhergus_7 (EA4), RenegadeRaider_7 (EA4), Sansa_6 (EA2),

Start 3:
• Found in 17 of 38 (44.7%) of genes in pham
• Manual Annotations of this start: 10 of 33
• Called 70.6% of time when present
• Phage (with cluster) where this start called: Carostasia_7 (EA10), ChikPic_7 (EA2), Cidela_7 (EA10), Fabyndrax_7 (EA10), Mandalorian_7 (EA10), Nucci_7 (EA10), Orpington_7 (EA2), PSirce_7 (EA2), Quartz_7 (EA10), Shamu_7 (EA2), YuuY_7 (EA10), Zenitsu_7 (EA2),

Start 4:
• Found in 19 of 38 (50.0%) of genes in pham
• Manual Annotations of this start: 15 of 33
• Called 84.2% of time when present
• Phage (with cluster) where this start called: Andromedas_7 (EA2), BouleyBill_7 (EA4), ColaCorta_7 (EA2), Finny_7 (EA2), Glamour_6 (EA2), Golden_7 (EA4), Guetzie_7 (EA4), Kauala_7 (EA4), Koji_7 (EA4), Lucky3_7 (EA4), Phanita_7 (EA2), Saratos_7 (EA2), Schubert_8 (EA8), Sinatra_7 (EA4), SirVictor_7 (EA4), Xebius_6 (EA2),

Summary by clusters:

There are 4 clusters represented in this pham: EA8, EA2, EA10, EA4,

Info for manual annotations of cluster EA10:
•Start number 2 was manually annotated 1 time for cluster EA10.
•Start number 3 was manually annotated 5 times for cluster EA10.

Info for manual annotations of cluster EA2:
•Start number 2 was manually annotated 3 times for cluster EA2.
•Start number 3 was manually annotated 5 times for cluster EA2.
•Start number 4 was manually annotated 6 times for cluster EA2.

Info for manual annotations of cluster EA4:
•Start number 2 was manually annotated 4 times for cluster EA4.

•Start number 4 was manually annotated 8 times for cluster EA4.

Info for manual annotations of cluster EA8:
•Start number 4 was manually annotated 1 time for cluster EA8.

Gene Information:

Gene: Andromedas_7 Start: 5823, Stop: 6071, Start Num: 4
Candidate Starts for Andromedas_7:
(Start: 4 @5823 has 15 MA's), (5, 5862), (9, 5958), (12, 5973),

Gene: BouleyBill_7 Start: 5684, Stop: 5935, Start Num: 4
Candidate Starts for BouleyBill_7:
(Start: 4 @5684 has 15 MA's),

Gene: Bustleton_7 Start: 5666, Stop: 5917, Start Num: 2
Candidate Starts for Bustleton_7:
(Start: 2 @5666 has 8 MA's), (Start: 3 @5669 has 10 MA's), (8, 5774),

Gene: Carostasia_7 Start: 5977, Stop: 6258, Start Num: 3
Candidate Starts for Carostasia_7:
(Start: 3 @5977 has 10 MA's), (7, 6049), (9, 6115),

Gene: ChikPic_7 Start: 5836, Stop: 6087, Start Num: 3
Candidate Starts for ChikPic_7:
(Start: 2 @5833 has 8 MA's), (Start: 3 @5836 has 10 MA's), (5, 5878), (9, 5974), (12, 5989),

Gene: Cidela_7 Start: 6630, Stop: 6890, Start Num: 3
Candidate Starts for Cidela_7:
(1, 6390), (Start: 3 @6630 has 10 MA's), (6, 6696),

Gene: ColaCorta_7 Start: 5823, Stop: 6071, Start Num: 4
Candidate Starts for ColaCorta_7:
(Start: 4 @5823 has 15 MA's), (5, 5862), (9, 5958), (12, 5973),

Gene: Eleri_7 Start: 5830, Stop: 6084, Start Num: 2
Candidate Starts for Eleri_7:
(Start: 2 @5830 has 8 MA's), (Start: 3 @5833 has 10 MA's), (5, 5875), (9, 5971), (12, 5986),

Gene: Fabyndrax_7 Start: 6630, Stop: 6890, Start Num: 3
Candidate Starts for Fabyndrax_7:
(1, 6390), (Start: 3 @6630 has 10 MA's), (6, 6696),

Gene: Finny_7 Start: 5824, Stop: 6072, Start Num: 4
Candidate Starts for Finny_7:
(Start: 4 @5824 has 15 MA's), (5, 5863), (6, 5887), (9, 5959),

Gene: Glamour_6 Start: 5824, Stop: 6072, Start Num: 4
Candidate Starts for Glamour_6:
(Start: 4 @5824 has 15 MA's), (5, 5863), (9, 5959), (12, 5974),

Gene: Golden_7 Start: 5769, Stop: 6020, Start Num: 4
Candidate Starts for Golden_7:
(Start: 4 @5769 has 15 MA's),

Gene: Guetzie_7 Start: 5757, Stop: 6008, Start Num: 4
Candidate Starts for Guetzie_7:
(Start: 4 @5757 has 15 MA's),

Gene: Jingles_7 Start: 5668, Stop: 5934, Start Num: 2
Candidate Starts for Jingles_7:
(Start: 2 @5668 has 8 MA's), (Start: 4 @5674 has 15 MA's), (8, 5791),

Gene: Juanyo_7 Start: 5964, Stop: 6221, Start Num: 2
Candidate Starts for Juanyo_7:
(Start: 2 @5964 has 8 MA's), (6, 6027), (11, 6102),

Gene: Kauala_7 Start: 5674, Stop: 5934, Start Num: 4
Candidate Starts for Kauala_7:
(Start: 4 @5674 has 15 MA's),

Gene: Koji_7 Start: 5690, Stop: 5968, Start Num: 4
Candidate Starts for Koji_7:
(Start: 4 @5690 has 15 MA's), (6, 5753), (9, 5825), (13, 5876),

Gene: Lucky3_7 Start: 5769, Stop: 6020, Start Num: 4
Candidate Starts for Lucky3_7:
(Start: 4 @5769 has 15 MA's),

Gene: MCubed_7 Start: 5842, Stop: 6096, Start Num: 2
Candidate Starts for MCubed_7:
(Start: 2 @5842 has 8 MA's), (Start: 3 @5845 has 10 MA's), (5, 5887), (9, 5983), (12, 5998),

Gene: Mandalorian_7 Start: 5977, Stop: 6258, Start Num: 3
Candidate Starts for Mandalorian_7:
(Start: 3 @5977 has 10 MA's), (7, 6049), (9, 6115),

Gene: MiniVolent_7 Start: 5950, Stop: 6207, Start Num: 2
Candidate Starts for MiniVolent_7:
(Start: 2 @5950 has 8 MA's), (6, 6013), (11, 6088),

Gene: Nucci_7 Start: 5965, Stop: 6246, Start Num: 3
Candidate Starts for Nucci_7:
(Start: 3 @5965 has 10 MA's), (7, 6037), (9, 6103),

Gene: Orpington_7 Start: 5833, Stop: 6084, Start Num: 3
Candidate Starts for Orpington_7:
(Start: 2 @5830 has 8 MA's), (Start: 3 @5833 has 10 MA's), (5, 5875), (9, 5971), (12, 5986),

Gene: PSirce_7 Start: 5832, Stop: 6083, Start Num: 3
Candidate Starts for PSirce_7:
(Start: 2 @5829 has 8 MA's), (Start: 3 @5832 has 10 MA's), (5, 5874), (9, 5970), (12, 5985),

Gene: Phanita_7 Start: 5824, Stop: 6072, Start Num: 4

Candidate Starts for Phanita_7:
(Start: 4 @5824 has 15 MA's), (5, 5863), (9, 5959),

Gene: Pherbot_7 Start: 5665, Stop: 5916, Start Num: 2
Candidate Starts for Pherbot_7:
(Start: 2 @5665 has 8 MA's), (Start: 3 @5668 has 10 MA's), (8, 5773),

Gene: PrincePhergus_7 Start: 5666, Stop: 5923, Start Num: 2
Candidate Starts for PrincePhergus_7:
(Start: 2 @5666 has 8 MA's), (Start: 4 @5672 has 15 MA's),

Gene: Quartz_7 Start: 5977, Stop: 6258, Start Num: 3
Candidate Starts for Quartz_7:
(Start: 3 @5977 has 10 MA's), (7, 6049), (9, 6115),

Gene: RenegadeRaider_7 Start: 5665, Stop: 5922, Start Num: 2
Candidate Starts for RenegadeRaider_7:
(Start: 2 @5665 has 8 MA's), (Start: 4 @5671 has 15 MA's),

Gene: Sansa_6 Start: 5838, Stop: 6092, Start Num: 2
Candidate Starts for Sansa_6:
(Start: 2 @5838 has 8 MA's), (Start: 3 @5841 has 10 MA's), (5, 5883), (9, 5979), (12, 5994),

Gene: Saratos_7 Start: 5824, Stop: 6072, Start Num: 4
Candidate Starts for Saratos_7:
(Start: 4 @5824 has 15 MA's), (5, 5863), (9, 5959), (12, 5974),

Gene: Schubert_8 Start: 6233, Stop: 6475, Start Num: 4
Candidate Starts for Schubert_8:
(Start: 4 @6233 has 15 MA's), (10, 6371),

Gene: Shamu_7 Start: 5833, Stop: 6084, Start Num: 3
Candidate Starts for Shamu_7:
(Start: 2 @5830 has 8 MA's), (Start: 3 @5833 has 10 MA's), (5, 5875), (9, 5971), (12, 5986),

Gene: Sinatra_7 Start: 5669, Stop: 5920, Start Num: 4
Candidate Starts for Sinatra_7:
(Start: 2 @5663 has 8 MA's), (Start: 4 @5669 has 15 MA's),

Gene: SirVictor_7 Start: 5757, Stop: 6008, Start Num: 4
Candidate Starts for SirVictor_7:
(Start: 4 @5757 has 15 MA's),

Gene: Xebius_6 Start: 5824, Stop: 6072, Start Num: 4
Candidate Starts for Xebius_6:
(Start: 4 @5824 has 15 MA's), (5, 5863), (9, 5959), (12, 5974),

Gene: YuuY_7 Start: 5949, Stop: 6248, Start Num: 3
Candidate Starts for YuuY_7:
(Start: 2 @5946 has 8 MA's), (Start: 3 @5949 has 10 MA's), (6, 6015), (7, 6021), (9, 6087),

Gene: Zenitsu_7 Start: 5845, Stop: 6096, Start Num: 3
Candidate Starts for Zenitsu_7:

(Start: 2 @5842 has 8 MA's), (Start: 3 @5845 has 10 MA's), (5, 5887), (9, 5983), (12, 5998),