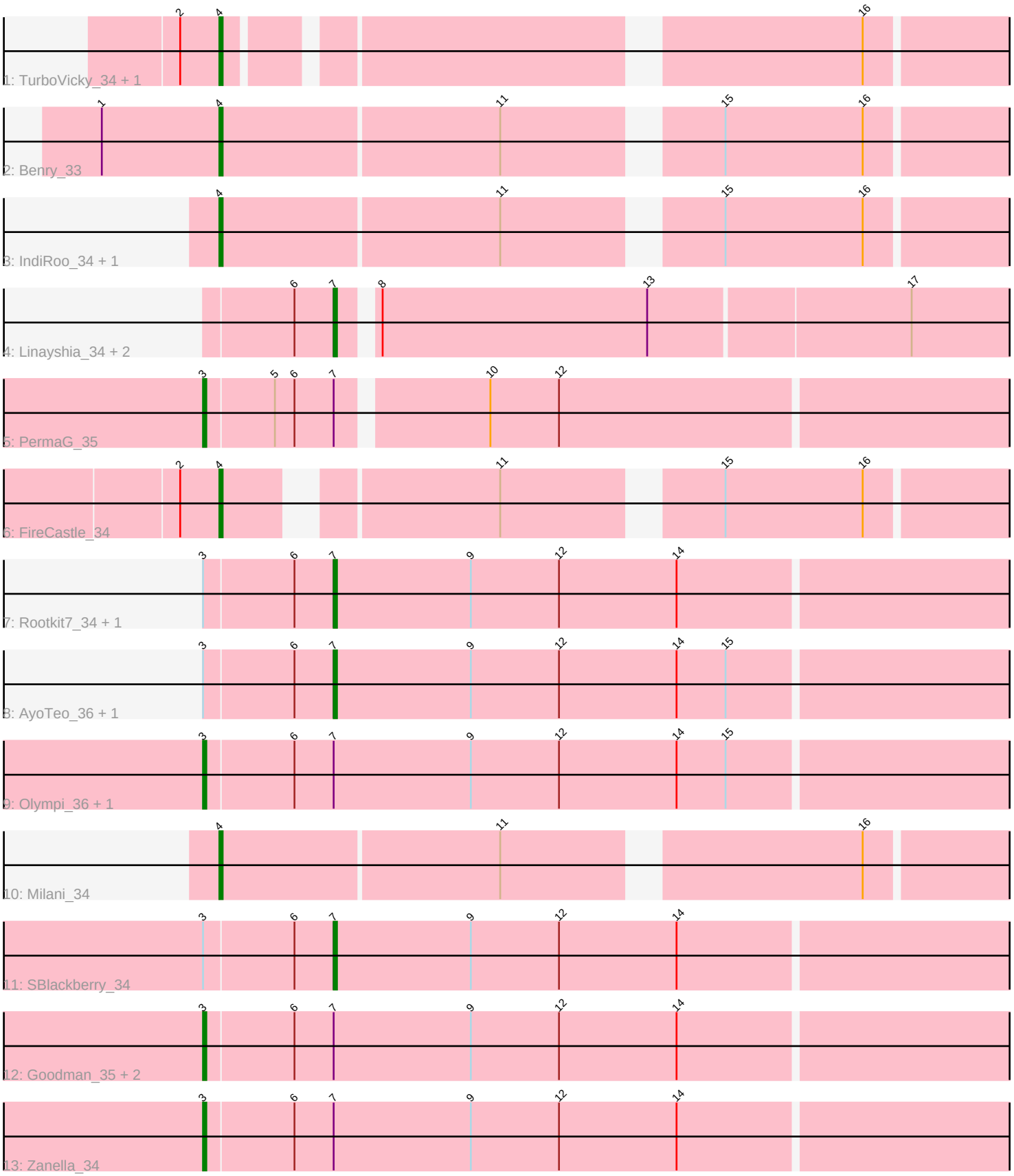
Pham 342550


1: TurboVicky_34 + 1
2: Benry_33
3: IndiRoo_34 + 1
4: Linayshia_34 + 2
5: PermaG_35
6: FireCastle_34
7: Rootkit7_34 + 1
8: AyoTeo_36 + 1
9: Olympi_36 + 1
10: Milani_34
11: SBlackberry_34
12: Goodman_35 + 2
13: Zanella_34

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 342550 Report

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

Pham number 342550 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : TurboVicky_34, Jera_35
• Track 2 : Benry_33
• Track 3 : IndiRoo_34, Sucha_31
• Track 4 : Linayshia_34, Htur_34, Rasovi_34
• Track 5 : PermaG_35
• Track 6 : FireCastle_34
• Track 7 : Rootkit7_34, Alove_34
• Track 8 : AyoTeo_36, Labella_36
• Track 9 : Olympi_36, Typher_36
• Track 10 : Milani_34
• Track 11 : SBlackberry_34
• Track 12 : Goodman_35, Johann_35, Cicada_36
• Track 13 : Zanella_34

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

The start number called the most often in the published annotations is 7, it was called in 7 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alove_34, AyoTeo_36, Htur_34, Labella_36, Linayshia_34, Rasovi_34, Rootkit7_34, SBlackberry_34,

Genes that have the "Most Annotated" start but do not call it:
• Cicada_36, Goodman_35, Johann_35, Olympi_36, PermaG_35, Typher_36, Zanella_34,

Genes that do not have the "Most Annotated" start:
• Benry_33, FireCastle_34, IndiRoo_34, Jera_35, Milani_34, Sucha_31, TurboVicky_34,

Summary by start number:

Start 3:

• Found in 12 of 22 (54.5%) of genes in pham
• Manual Annotations of this start: 7 of 21
• Called 58.3% of time when present
• Phage (with cluster) where this start called: Cicada_36 (EJ), Goodman_35 (EJ), Johann_35 (EJ), Olympi_36 (EJ), PermaG_35 (EJ), Typher_36 (EJ), Zanella_34 (EJ),

Start 4:
• Found in 7 of 22 (31.8%) of genes in pham
• Manual Annotations of this start: 7 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Benry_33 (EJ), FireCastle_34 (EJ), IndiRoo_34 (EJ), Jera_35 (EJ), Milani_34 (EJ), Sucha_31 (EJ), TurboVicky_34 (EJ),

Start 7:
• Found in 15 of 22 (68.2%) of genes in pham
• Manual Annotations of this start: 7 of 21
• Called 53.3% of time when present
• Phage (with cluster) where this start called: Alove_34 (EJ), AyoTeo_36 (EJ), Htur_34 (EJ), Labella_36 (EJ), Linayshia_34 (EJ), Rasovi_34 (EJ), Rootkit7_34 (EJ), SBlackberry_34 (EJ),

Summary by clusters:

There is one cluster represented in this pham: EJ

Info for manual annotations of cluster EJ:
•Start number 3 was manually annotated 7 times for cluster EJ.
•Start number 4 was manually annotated 7 times for cluster EJ.
•Start number 7 was manually annotated 7 times for cluster EJ.

Gene Information:

Gene: Alove_34 Start: 24725, Stop: 24940, Start Num: 7
Candidate Starts for Alove_34:
(Start: 3 @24686 has 7 MA's), (6, 24713), (Start: 7 @24725 has 7 MA's), (9, 24767), (12, 24794), (14, 24830),

Gene: AyoTeo_36 Start: 24849, Stop: 25064, Start Num: 7
Candidate Starts for AyoTeo_36:
(Start: 3 @24810 has 7 MA's), (6, 24837), (Start: 7 @24849 has 7 MA's), (9, 24891), (12, 24918), (14, 24954), (15, 24969),

Gene: Benry_33 Start: 22963, Stop: 23190, Start Num: 4
Candidate Starts for Benry_33:
(1, 22927), (Start: 4 @22963 has 7 MA's), (11, 23047), (15, 23104), (16, 23146),

Gene: Cicada_36 Start: 24885, Stop: 25139, Start Num: 3
Candidate Starts for Cicada_36:
(Start: 3 @24885 has 7 MA's), (6, 24912), (Start: 7 @24924 has 7 MA's), (9, 24966), (12, 24993), (14, 25029),

Gene: FireCastle_34 Start: 24672, Stop: 24887, Start Num: 4
Candidate Starts for FireCastle_34:
(2, 24660), (Start: 4 @24672 has 7 MA's), (11, 24744), (15, 24801), (16, 24843),

Gene: Goodman_35 Start: 24798, Stop: 25052, Start Num: 3
Candidate Starts for Goodman_35:
(Start: 3 @24798 has 7 MA's), (6, 24825), (Start: 7 @24837 has 7 MA's), (9, 24879), (12, 24906), (14, 24942),

Gene: Htur_34 Start: 24932, Stop: 25132, Start Num: 7
Candidate Starts for Htur_34:
(6, 24920), (Start: 7 @24932 has 7 MA's), (8, 24941), (13, 25022), (17, 25100),

Gene: IndiRoo_34 Start: 23170, Stop: 23397, Start Num: 4
Candidate Starts for IndiRoo_34:
(Start: 4 @23170 has 7 MA's), (11, 23254), (15, 23311), (16, 23353),

Gene: Jera_35 Start: 23971, Stop: 24192, Start Num: 4
Candidate Starts for Jera_35:
(2, 23959), (Start: 4 @23971 has 7 MA's), (16, 24145),

Gene: Johann_35 Start: 24798, Stop: 25052, Start Num: 3
Candidate Starts for Johann_35:
(Start: 3 @24798 has 7 MA's), (6, 24825), (Start: 7 @24837 has 7 MA's), (9, 24879), (12, 24906), (14, 24942),

Gene: Labella_36 Start: 24848, Stop: 25063, Start Num: 7
Candidate Starts for Labella_36:
(Start: 3 @24809 has 7 MA's), (6, 24836), (Start: 7 @24848 has 7 MA's), (9, 24890), (12, 24917), (14, 24953), (15, 24968),

Gene: Linayshia_34 Start: 24900, Stop: 25100, Start Num: 7
Candidate Starts for Linayshia_34:
(6, 24888), (Start: 7 @24900 has 7 MA's), (8, 24909), (13, 24990), (17, 25068),

Gene: Milani_34 Start: 23640, Stop: 23867, Start Num: 4
Candidate Starts for Milani_34:
(Start: 4 @23640 has 7 MA's), (11, 23724), (16, 23823),

Gene: Olympi_36 Start: 24786, Stop: 25040, Start Num: 3
Candidate Starts for Olympi_36:
(Start: 3 @24786 has 7 MA's), (6, 24813), (Start: 7 @24825 has 7 MA's), (9, 24867), (12, 24894), (14, 24930), (15, 24945),

Gene: PermaG_35 Start: 24831, Stop: 25070, Start Num: 3
Candidate Starts for PermaG_35:
(Start: 3 @24831 has 7 MA's), (5, 24852), (6, 24858), (Start: 7 @24870 has 7 MA's), (10, 24912), (12, 24933),

Gene: Rasovi_34 Start: 24932, Stop: 25132, Start Num: 7
Candidate Starts for Rasovi_34:
(6, 24920), (Start: 7 @24932 has 7 MA's), (8, 24941), (13, 25022), (17, 25100),

Gene: Rootkit7_34 Start: 24725, Stop: 24940, Start Num: 7
Candidate Starts for Rootkit7_34:
(Start: 3 @24686 has 7 MA's), (6, 24713), (Start: 7 @24725 has 7 MA's), (9, 24767), (12, 24794), (14, 24830),

Gene: SBlackberry_34 Start: 24702, Stop: 24917, Start Num: 7
Candidate Starts for SBlackberry_34:
(Start: 3 @24663 has 7 MA's), (6, 24690), (Start: 7 @24702 has 7 MA's), (9, 24744), (12, 24771), (14, 24807),

Gene: Sucha_31 Start: 22132, Stop: 22359, Start Num: 4
Candidate Starts for Sucha_31:
(Start: 4 @22132 has 7 MA's), (11, 22216), (15, 22273), (16, 22315),

Gene: TurboVicky_34 Start: 24719, Stop: 24940, Start Num: 4
Candidate Starts for TurboVicky_34:
(2, 24707), (Start: 4 @24719 has 7 MA's), (16, 24893),

Gene: Typher_36 Start: 24809, Stop: 25063, Start Num: 3
Candidate Starts for Typher_36:
(Start: 3 @24809 has 7 MA's), (6, 24836), (Start: 7 @24848 has 7 MA's), (9, 24890), (12, 24917), (14, 24953), (15, 24968),

Gene: Zanella_34 Start: 24688, Stop: 24942, Start Num: 3
Candidate Starts for Zanella_34:
(Start: 3 @24688 has 7 MA's), (6, 24715), (Start: 7 @24727 has 7 MA's), (9, 24769), (12, 24796), (14, 24832),