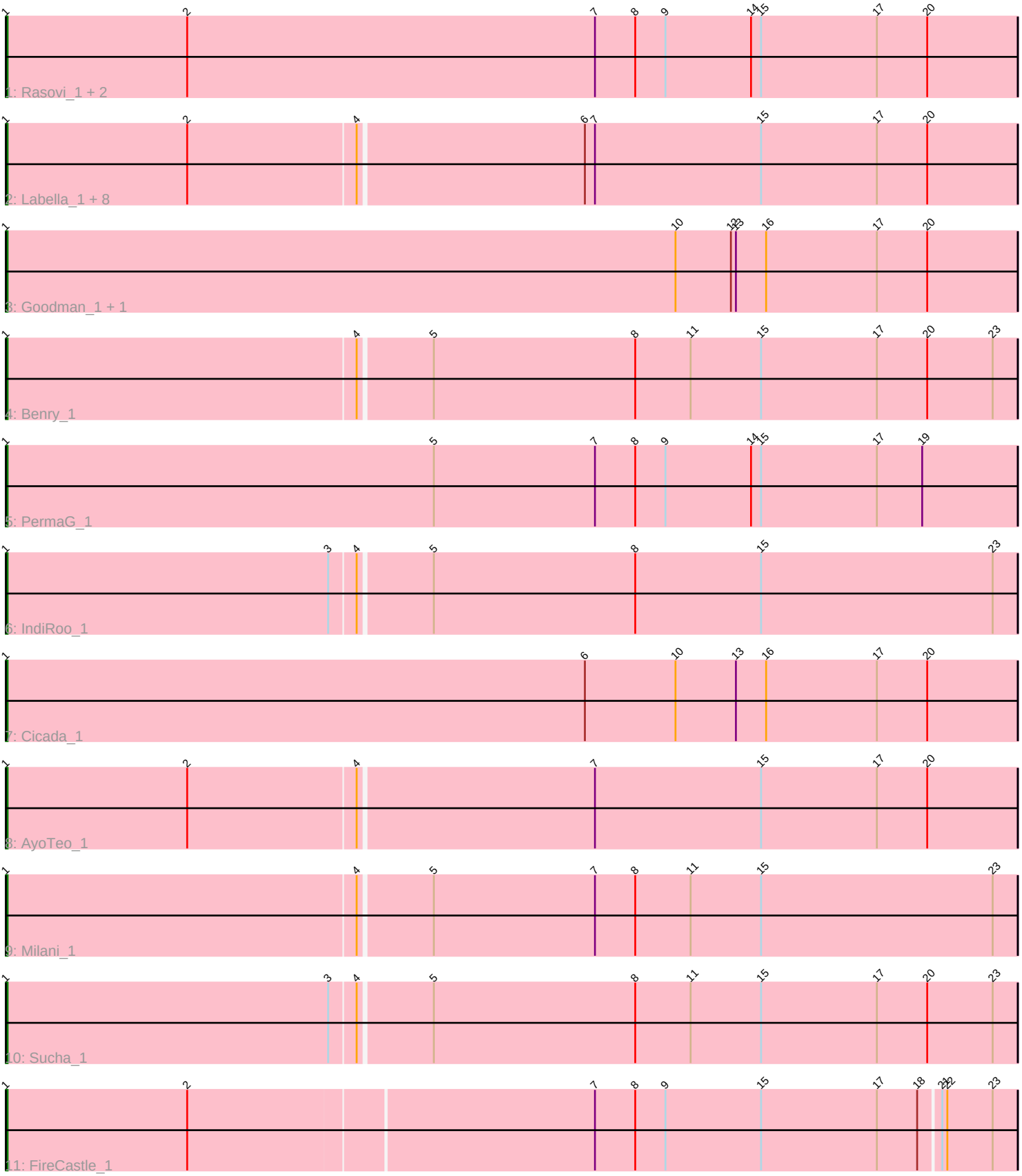
Pham 348014


1: Rasovi_1 + 2
2: Labella_1 + 8
3: Goodman_1 + 1
4: Benry_1
5: PermaG_1
6: IndiRoo_1
7: Cicada_1
8: AyoTeo_1
9: Milani_1
10: Sucha_1
11: FireCastle_1

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 348014 Report

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

Pham number 348014 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Rasovi_1, Htur_1, Linayshia_1
• Track 2 : Labella_1, Alove_1, Typher_1, SBlackberry_1, Zanella_1, Jera_1, Rootkit7_1, TurboVicky_1, Olympi_1
• Track 3 : Goodman_1, Johann_1
• Track 4 : Benry_1
• Track 5 : PermaG_1
• Track 6 : IndiRoo_1
• Track 7 : Cicada_1
• Track 8 : AyoTeo_1
• Track 9 : Milani_1
• Track 10 : Sucha_1
• Track 11 : FireCastle_1

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alove_1, AyoTeo_1, Benry_1, Cicada_1, FireCastle_1, Goodman_1, Htur_1, IndiRoo_1, Jera_1, Johann_1, Labella_1, Linayshia_1, Milani_1, Olympi_1, PermaG_1, Rasovi_1, Rootkit7_1, SBlackberry_1, Sucha_1, TurboVicky_1, Typher_1, Zanella_1,

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 22 of 22 (100.0%) of genes in pham

• Manual Annotations of this start: 21 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alove_1 (EJ), AyoTeo_1 (EJ), Benry_1 (EJ), Cicada_1 (EJ), FireCastle_1 (EJ), Goodman_1 (EJ), Htur_1 (EJ), IndiRoo_1 (EJ), Jera_1 (EJ), Johann_1 (EJ), Labella_1 (EJ), Linayshia_1 (EJ), Milani_1 (EJ), Olympi_1 (EJ), PermaG_1 (EJ), Rasovi_1 (EJ), Rootkit7_1 (EJ), SBlackberry_1 (EJ), Sucha_1 (EJ), TurboVicky_1 (EJ), Typher_1 (EJ), Zanella_1 (EJ),

Summary by clusters:

There is one cluster represented in this pham: EJ

Info for manual annotations of cluster EJ:
•Start number 1 was manually annotated 21 times for cluster EJ.

Gene Information:

Gene: Alove_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for Alove_1:
(Start: 1 @1 has 21 MA's), (2, 109), (4, 208), (6, 340), (7, 346), (15, 445), (17, 514), (20, 544),

Gene: AyoTeo_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for AyoTeo_1:
(Start: 1 @1 has 21 MA's), (2, 109), (4, 208), (7, 346), (15, 445), (17, 514), (20, 544),

Gene: Benry_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for Benry_1:
(Start: 1 @1 has 21 MA's), (4, 208), (5, 250), (8, 370), (11, 403), (15, 445), (17, 514), (20, 544), (23, 583),

Gene: Cicada_1 Start: 1, Stop: 603, Start Num: 1
Candidate Starts for Cicada_1:
(Start: 1 @1 has 21 MA's), (6, 346), (10, 400), (13, 436), (16, 454), (17, 520), (20, 550),

Gene: FireCastle_1 Start: 1, Stop: 594, Start Num: 1
Candidate Starts for FireCastle_1:
(Start: 1 @1 has 21 MA's), (2, 109), (7, 346), (8, 370), (9, 388), (15, 445), (17, 514), (18, 538), (21, 550), (22, 553), (23, 580),

Gene: Goodman_1 Start: 1, Stop: 603, Start Num: 1
Candidate Starts for Goodman_1:
(Start: 1 @1 has 21 MA's), (10, 400), (12, 433), (13, 436), (16, 454), (17, 520), (20, 550),

Gene: Htur_1 Start: 1, Stop: 603, Start Num: 1
Candidate Starts for Htur_1:
(Start: 1 @1 has 21 MA's), (2, 109), (7, 352), (8, 376), (9, 394), (14, 445), (15, 451), (17, 520), (20, 550),

Gene: IndiRoo_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for IndiRoo_1:
(Start: 1 @1 has 21 MA's), (3, 193), (4, 208), (5, 250), (8, 370), (15, 445), (23, 583),

Gene: Jera_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for Jera_1:
(Start: 1 @1 has 21 MA's), (2, 109), (4, 208), (6, 340), (7, 346), (15, 445), (17, 514), (20, 544),

Gene: Johann_1 Start: 1, Stop: 603, Start Num: 1
Candidate Starts for Johann_1:
(Start: 1 @1 has 21 MA's), (10, 400), (12, 433), (13, 436), (16, 454), (17, 520), (20, 550),

Gene: Labella_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for Labella_1:
(Start: 1 @1 has 21 MA's), (2, 109), (4, 208), (6, 340), (7, 346), (15, 445), (17, 514), (20, 544),

Gene: Linayshia_1 Start: 1, Stop: 603, Start Num: 1
Candidate Starts for Linayshia_1:
(Start: 1 @1 has 21 MA's), (2, 109), (7, 352), (8, 376), (9, 394), (14, 445), (15, 451), (17, 520), (20, 550),

Gene: Milani_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for Milani_1:
(Start: 1 @1 has 21 MA's), (4, 208), (5, 250), (7, 346), (8, 370), (11, 403), (15, 445), (23, 583),

Gene: Olympi_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for Olympi_1:
(Start: 1 @1 has 21 MA's), (2, 109), (4, 208), (6, 340), (7, 346), (15, 445), (17, 514), (20, 544),

Gene: PermaG_1 Start: 1, Stop: 603, Start Num: 1
Candidate Starts for PermaG_1:
(Start: 1 @1 has 21 MA's), (5, 256), (7, 352), (8, 376), (9, 394), (14, 445), (15, 451), (17, 520), (19, 547),

Gene: Rasovi_1 Start: 1, Stop: 603, Start Num: 1
Candidate Starts for Rasovi_1:
(Start: 1 @1 has 21 MA's), (2, 109), (7, 352), (8, 376), (9, 394), (14, 445), (15, 451), (17, 520), (20, 550),

Gene: Rootkit7_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for Rootkit7_1:
(Start: 1 @1 has 21 MA's), (2, 109), (4, 208), (6, 340), (7, 346), (15, 445), (17, 514), (20, 544),

Gene: SBlackberry_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for SBlackberry_1:
(Start: 1 @1 has 21 MA's), (2, 109), (4, 208), (6, 340), (7, 346), (15, 445), (17, 514), (20, 544),

Gene: Sucha_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for Sucha_1:
(Start: 1 @1 has 21 MA's), (3, 193), (4, 208), (5, 250), (8, 370), (11, 403), (15, 445), (17, 514), (20, 544), (23, 583),

Gene: TurboVicky_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for TurboVicky_1:
(Start: 1 @1 has 21 MA's), (2, 109), (4, 208), (6, 340), (7, 346), (15, 445), (17, 514), (20, 544),

Gene: Typher_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for Typher_1:
(Start: 1 @1 has 21 MA's), (2, 109), (4, 208), (6, 340), (7, 346), (15, 445), (17, 514), (20, 544),

Gene: Zanella_1 Start: 1, Stop: 597, Start Num: 1
Candidate Starts for Zanella_1:
(Start: 1 @1 has 21 MA's), (2, 109), (4, 208), (6, 340), (7, 346), (15, 445), (17, 514), (20, 544),