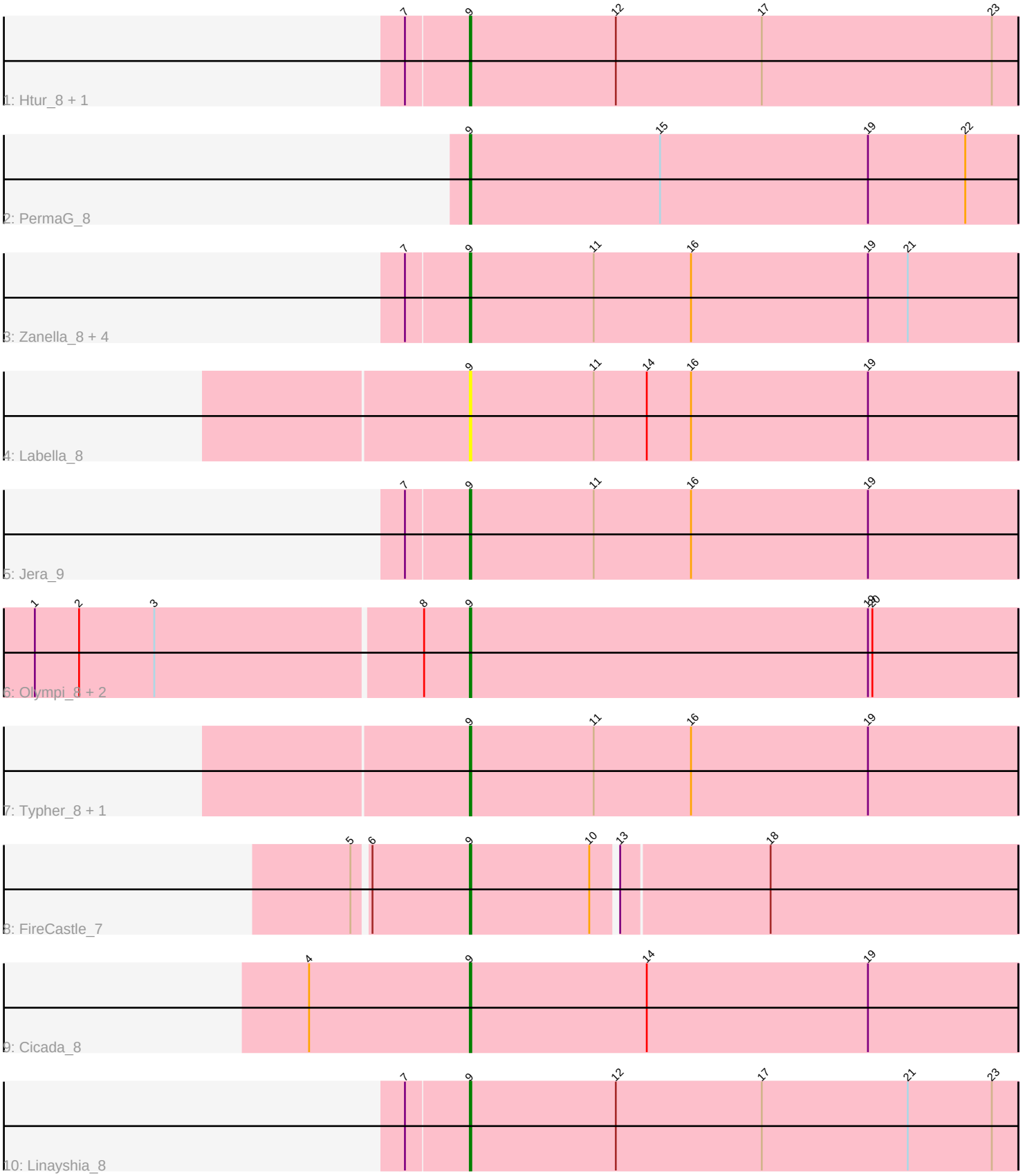
Pham 295134


1: Htur_8 + 1
2: PermaG_8
3: Zanella_8 + 4
4: Labella_8
5: Jera_9
6: Olympi_8 + 2
7: Typher_8 + 1
8: FireCastle_7
9: Cicada_8
10: Linayshia_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 295134 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295134 has 18 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Htur_8, Rasovi_8
• Track 2 : PermaG_8
• Track 3 : Zanella_8, SBlackberry_8, TurboVicky_8, Rootkit7_8, Alove_8
• Track 4 : Labella_8
• Track 5 : Jera_9
• Track 6 : Olympi_8, Johann_8, Goodman_8
• Track 7 : Typher_8, AyoTeo_8
• Track 8 : FireCastle_7
• Track 9 : Cicada_8
• Track 10 : Linayshia_8

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

The start number called the most often in the published annotations is 9, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alove_8, AyoTeo_8, Cicada_8, FireCastle_7, Goodman_8, Htur_8, Jera_9, Johann_8, Labella_8, Linayshia_8, Olympi_8, PermaG_8, Rasovi_8, Rootkit7_8, SBlackberry_8, TurboVicky_8, Typher_8, Zanella_8,

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 9:
• Found in 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Alove_8 (EJ), AyoTeo_8 (EJ), Cicada_8 (EJ), FireCastle_7 (EJ), Goodman_8 (EJ), Htur_8 (EJ), Jera_9 (EJ), Johann_8 (EJ), Labella_8 (EJ), Linayshia_8 (EJ), Olympi_8 (EJ), PermaG_8 (EJ), Rasovi_8 (EJ), Rootkit7_8 (EJ), SBlackberry_8 (EJ), TurboVicky_8 (EJ), Typher_8 (EJ), Zanella_8 (EJ),

Summary by clusters:

There is one cluster represented in this pham: EJ

Info for manual annotations of cluster EJ:
•Start number 9 was manually annotated 14 times for cluster EJ.

Gene Information:

Gene: Alove_8 Start: 7961, Stop: 7590, Start Num: 9
Candidate Starts for Alove_8:
(7, 8003), (Start: 9 @7961 has 14 MA's), (11, 7877), (16, 7811), (19, 7691), (21, 7664),

Gene: AyoTeo_8 Start: 7961, Stop: 7590, Start Num: 9
Candidate Starts for AyoTeo_8:
(Start: 9 @7961 has 14 MA's), (11, 7877), (16, 7811), (19, 7691),

Gene: Cicada_8 Start: 7987, Stop: 7616, Start Num: 9
Candidate Starts for Cicada_8:
(4, 8095), (Start: 9 @7987 has 14 MA's), (14, 7867), (19, 7717),

Gene: FireCastle_7 Start: 7827, Stop: 7465, Start Num: 9
Candidate Starts for FireCastle_7:
(5, 7902), (6, 7893), (Start: 9 @7827 has 14 MA's), (10, 7746), (13, 7731), (18, 7632),

Gene: Goodman_8 Start: 7981, Stop: 7610, Start Num: 9
Candidate Starts for Goodman_8:
(1, 8269), (2, 8239), (3, 8188), (8, 8011), (Start: 9 @7981 has 14 MA's), (19, 7711), (20, 7708),

Gene: Htur_8 Start: 8010, Stop: 7639, Start Num: 9
Candidate Starts for Htur_8:
(7, 8052), (Start: 9 @8010 has 14 MA's), (12, 7911), (17, 7812), (23, 7656),

Gene: Jera_9 Start: 7205, Stop: 6834, Start Num: 9
Candidate Starts for Jera_9:
(7, 7247), (Start: 9 @7205 has 14 MA's), (11, 7121), (16, 7055), (19, 6935),

Gene: Johann_8 Start: 7981, Stop: 7610, Start Num: 9
Candidate Starts for Johann_8:
(1, 8269), (2, 8239), (3, 8188), (8, 8011), (Start: 9 @7981 has 14 MA's), (19, 7711), (20, 7708),

Gene: Labella_8 Start: 7965, Stop: 7594, Start Num: 9
Candidate Starts for Labella_8:
(Start: 9 @7965 has 14 MA's), (11, 7881), (14, 7845), (16, 7815), (19, 7695),

Gene: Linayshia_8 Start: 8010, Stop: 7639, Start Num: 9
Candidate Starts for Linayshia_8:
(7, 8052), (Start: 9 @8010 has 14 MA's), (12, 7911), (17, 7812), (21, 7713), (23, 7656),

Gene: Olympi_8 Start: 7972, Stop: 7601, Start Num: 9
Candidate Starts for Olympi_8:
(1, 8260), (2, 8230), (3, 8179), (8, 8002), (Start: 9 @7972 has 14 MA's), (19, 7702), (20, 7699),

Gene: PermaG_8 Start: 7999, Stop: 7628, Start Num: 9
Candidate Starts for PermaG_8:
(Start: 9 @7999 has 14 MA's), (15, 7870), (19, 7729), (22, 7663),

Gene: Rasovi_8 Start: 8010, Stop: 7639, Start Num: 9
Candidate Starts for Rasovi_8:
(7, 8052), (Start: 9 @8010 has 14 MA's), (12, 7911), (17, 7812), (23, 7656),

Gene: Rootkit7_8 Start: 7961, Stop: 7590, Start Num: 9
Candidate Starts for Rootkit7_8:
(7, 8003), (Start: 9 @7961 has 14 MA's), (11, 7877), (16, 7811), (19, 7691), (21, 7664),

Gene: SBlackberry_8 Start: 7964, Stop: 7593, Start Num: 9
Candidate Starts for SBlackberry_8:
(7, 8006), (Start: 9 @7964 has 14 MA's), (11, 7880), (16, 7814), (19, 7694), (21, 7667),

Gene: TurboVicky_8 Start: 7961, Stop: 7590, Start Num: 9
Candidate Starts for TurboVicky_8:
(7, 8003), (Start: 9 @7961 has 14 MA's), (11, 7877), (16, 7811), (19, 7691), (21, 7664),

Gene: Typher_8 Start: 7964, Stop: 7593, Start Num: 9
Candidate Starts for Typher_8:
(Start: 9 @7964 has 14 MA's), (11, 7880), (16, 7814), (19, 7694),

Gene: Zanella_8 Start: 7961, Stop: 7590, Start Num: 9
Candidate Starts for Zanella_8:
(7, 8003), (Start: 9 @7961 has 14 MA's), (11, 7877), (16, 7811), (19, 7691), (21, 7664),