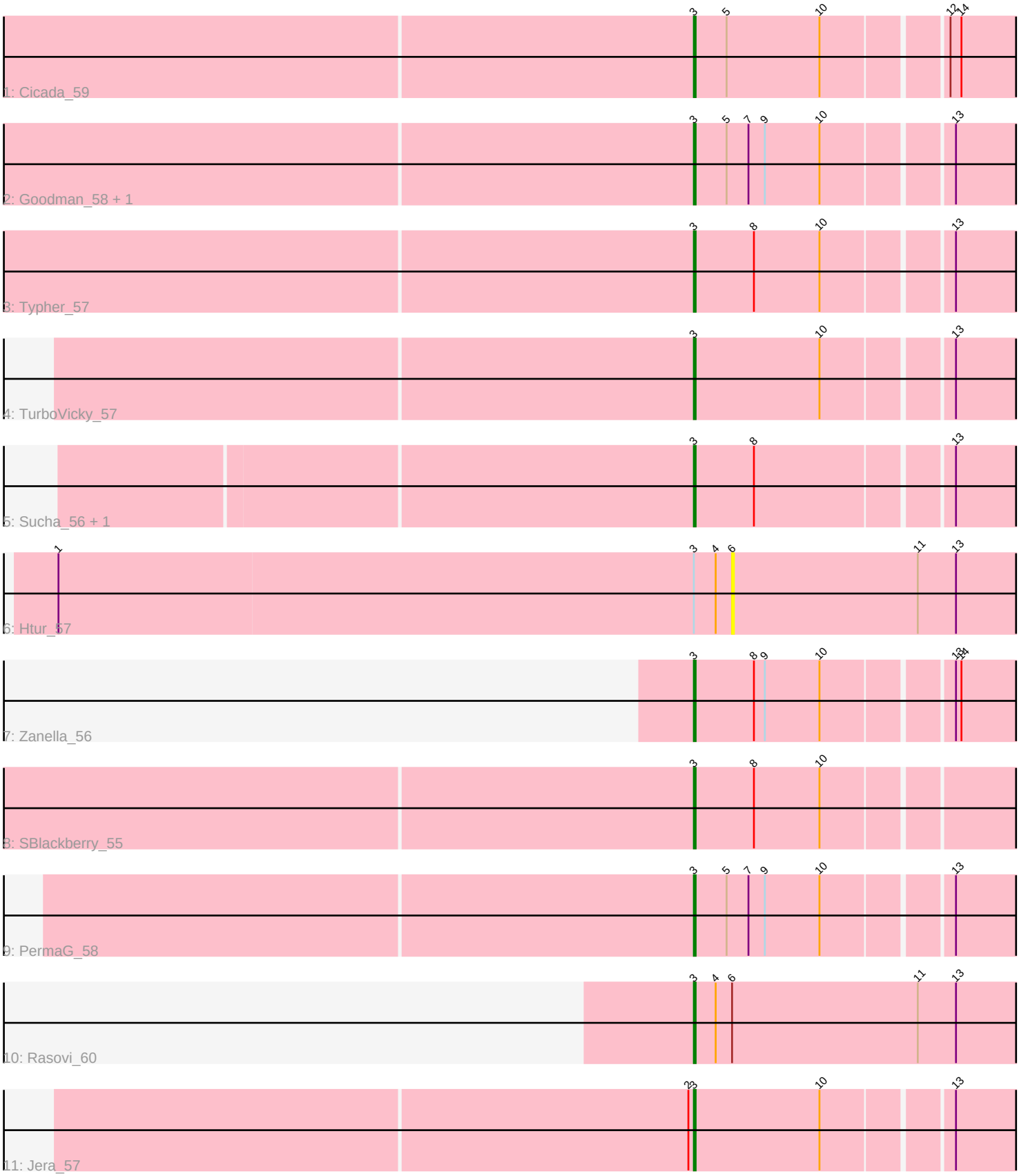
Pham 87411


1: Cicada_59
2: Goodman_58 + 1
3: Typher_57
4: TurboVicky_57
5: Sucha_56 + 1
6: Htur_57
7: Zanella_56
8: SBlackberry_55
9: PermaG_58
10: Rasovi_60
11: Jera_57

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 87411 Report

This analysis was run 03/30/24 on database version 556.

Pham number 87411 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Cicada_59
• Track 2 : Goodman_58, Johann_58
• Track 3 : Typher_57
• Track 4 : TurboVicky_57
• Track 5 : Sucha_56, Benry_60
• Track 6 : Htur_57
• Track 7 : Zanella_56
• Track 8 : SBlackberry_55
• Track 9 : PermaG_58
• Track 10 : Rasovi_60
• Track 11 : Jera_57

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Benry_60, Cicada_59, Goodman_58, Jera_57, Johann_58, PermaG_58, Rasovi_60, SBlackberry_55, Sucha_56, TurboVicky_57, Typher_57, Zanella_56,

Genes that have the "Most Annotated" start but do not call it:
• Htur_57,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 3:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 92.3% of time when present

• Phage (with cluster) where this start called: Benry_60 (EJ), Cicada_59 (EJ), Goodman_58 (EJ), Jera_57 (EJ), Johann_58 (EJ), PermaG_58 (EJ), Rasovi_60 (EJ), SBlackberry_55 (EJ), Sucha_56 (EJ), TurboVicky_57 (EJ), Typher_57 (EJ), Zanella_56 (EJ),

Start 6:
• Found in 2 of 13 (15.4%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Htur_57 (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 11 times for cluster EJ.

Gene Information:

Gene: Benry_60 Start: 40015, Stop: 40203, Start Num: 3
Candidate Starts for Benry_60:
(Start: 3 @40015 has 11 MA's), (8, 40048), (13, 40150),

Gene: Cicada_59 Start: 40538, Stop: 40738, Start Num: 3
Candidate Starts for Cicada_59:
(Start: 3 @40538 has 11 MA's), (5, 40556), (10, 40607), (12, 40670), (14, 40676),

Gene: Goodman_58 Start: 40551, Stop: 40751, Start Num: 3
Candidate Starts for Goodman_58:
(Start: 3 @40551 has 11 MA's), (5, 40569), (7, 40581), (9, 40590), (10, 40620), (13, 40686),

Gene: Htur_57 Start: 41137, Stop: 41325, Start Num: 6
Candidate Starts for Htur_57:
(1, 40768), (Start: 3 @41116 has 11 MA's), (4, 41128), (6, 41137), (11, 41239), (13, 41260),

Gene: Jera_57 Start: 39232, Stop: 39432, Start Num: 3
Candidate Starts for Jera_57:
(2, 39229), (Start: 3 @39232 has 11 MA's), (10, 39301), (13, 39367),

Gene: Johann_58 Start: 40551, Stop: 40751, Start Num: 3
Candidate Starts for Johann_58:
(Start: 3 @40551 has 11 MA's), (5, 40569), (7, 40581), (9, 40590), (10, 40620), (13, 40686),

Gene: PermaG_58 Start: 40476, Stop: 40676, Start Num: 3
Candidate Starts for PermaG_58:
(Start: 3 @40476 has 11 MA's), (5, 40494), (7, 40506), (9, 40515), (10, 40545), (13, 40611),

Gene: Rasovi_60 Start: 41116, Stop: 41325, Start Num: 3
Candidate Starts for Rasovi_60:
(Start: 3 @41116 has 11 MA's), (4, 41128), (6, 41137), (11, 41239), (13, 41260),

Gene: SBlackberry_55 Start: 40277, Stop: 40477, Start Num: 3
Candidate Starts for SBlackberry_55:
(Start: 3 @40277 has 11 MA's), (8, 40310), (10, 40346),

Gene: Sucha_56 Start: 39446, Stop: 39634, Start Num: 3
Candidate Starts for Sucha_56:
(Start: 3 @39446 has 11 MA's), (8, 39479), (13, 39581),

Gene: TurboVicky_57 Start: 40494, Stop: 40694, Start Num: 3
Candidate Starts for TurboVicky_57:
(Start: 3 @40494 has 11 MA's), (10, 40563), (13, 40629),

Gene: Typher_57 Start: 40053, Stop: 40253, Start Num: 3
Candidate Starts for Typher_57:
(Start: 3 @40053 has 11 MA's), (8, 40086), (10, 40122), (13, 40188),

Gene: Zanella_56 Start: 40298, Stop: 40498, Start Num: 3
Candidate Starts for Zanella_56:
(Start: 3 @40298 has 11 MA's), (8, 40331), (9, 40337), (10, 40367), (13, 40433), (14, 40436),