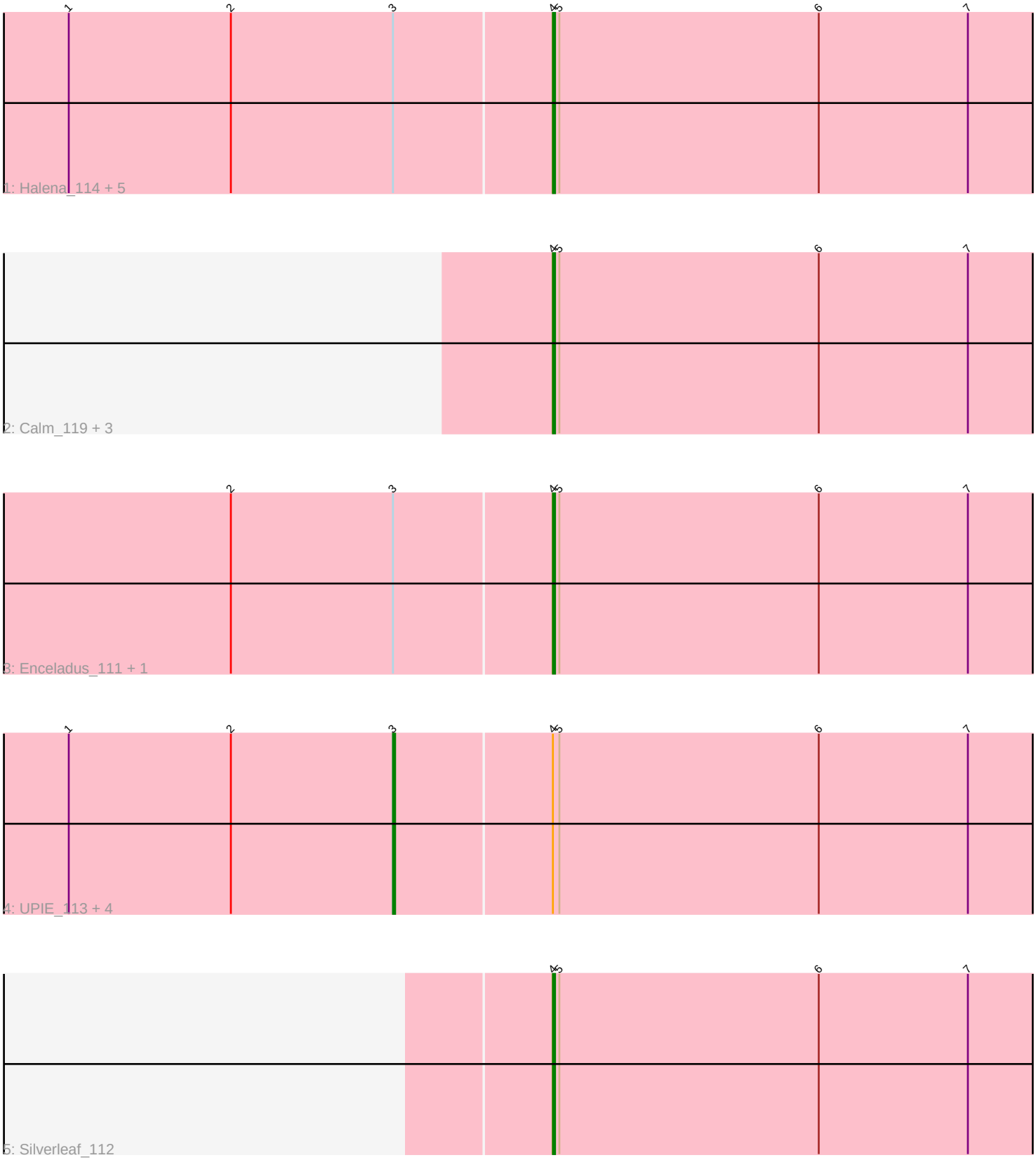
Pham 86783


1
2
3
4
5
6
7
1: Halena_114 + 5
2: Calm_119 + 3
3: Enceladus_111 + 1
4: UPIE_113 + 4
5: Silverleaf_112

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 86783 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86783 has 18 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Halena_114, CicholasNage_109, Wyatt2_114, AvadaKedavra_114, MAckerman_112, Rose5_115
• Track 2 : Calm_119, Zaria_116, JoeDirt_114, Wamburgrxpress_113
• Track 3 : Enceladus_111, DirkDirk_111
• Track 4 : UPIE_113, Acquire49_114, LeBron_113, Appletree2_113, Tyson_116
• Track 5 : Silverleaf_112

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 12 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AvadaKedavra_114, Calm_119, CicholasNage_109, DirkDirk_111, Enceladus_111, Halena_114, JoeDirt_114, MAckerman_112, Rose5_115, Silverleaf_112, Wamburgrxpress_113, Wyatt2_114, Zaria_116,

Genes that have the "Most Annotated" start but do not call it:
• Acquire49_114, Appletree2_113, LeBron_113, Tyson_116, UPIE_113,

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

Summary by start number:

Start 3:
• Found in 13 of 18 (72.2%) of genes in pham
• Manual Annotations of this start: 5 of 17
• Called 38.5% of time when present
• Phage (with cluster) where this start called: Acquire49_114 (L1), Appletree2_113 (L1), LeBron_113 (L1), Tyson_116 (L1), UPIE_113 (L1),

Start 4:
• Found in 18 of 18 (100.0%) of genes in pham

• Manual Annotations of this start: 12 of 17
• Called 72.2% of time when present
• Phage (with cluster) where this start called: AvadaKedavra_114 (L1), Calm_119 (L1), CicholasNage_109 (L1), DirkDirk_111 (L1), Enceladus_111 (L1), Halena_114 (L1), JoeDirt_114 (L1), MAckerman_112 (L1), Rose5_115 (L1), Silverleaf_112 (L1), Wamburgrxpress_113 (L1), Wyatt2_114 (L1), Zaria_116 (L1),

Summary by clusters:

There is one cluster represented in this pham: L1

Info for manual annotations of cluster L1:
•Start number 3 was manually annotated 5 times for cluster L1.
•Start number 4 was manually annotated 12 times for cluster L1.

Gene Information:

Gene: Acquire49_114 Start: 63608, Stop: 63312, Start Num: 3
Candidate Starts for Acquire49_114:
(1, 63758), (2, 63683), (Start: 3 @63608 has 5 MA's), (Start: 4 @63536 has 12 MA's), (5, 63533), (6, 63413), (7, 63344),

Gene: Appletree2_113 Start: 63649, Stop: 63353, Start Num: 3
Candidate Starts for Appletree2_113:
(1, 63799), (2, 63724), (Start: 3 @63649 has 5 MA's), (Start: 4 @63577 has 12 MA's), (5, 63574), (6, 63454), (7, 63385),

Gene: AvadaKedavra_114 Start: 63650, Stop: 63426, Start Num: 4
Candidate Starts for AvadaKedavra_114:
(1, 63872), (2, 63797), (Start: 3 @63722 has 5 MA's), (Start: 4 @63650 has 12 MA's), (5, 63647), (6, 63527), (7, 63458),

Gene: Calm_119 Start: 64493, Stop: 64269, Start Num: 4
Candidate Starts for Calm_119:
(Start: 4 @64493 has 12 MA's), (5, 64490), (6, 64370), (7, 64301),

Gene: CicholasNage_109 Start: 63881, Stop: 63657, Start Num: 4
Candidate Starts for CicholasNage_109:
(1, 64103), (2, 64028), (Start: 3 @63953 has 5 MA's), (Start: 4 @63881 has 12 MA's), (5, 63878), (6, 63758), (7, 63689),

Gene: DirkDirk_111 Start: 62903, Stop: 62679, Start Num: 4
Candidate Starts for DirkDirk_111:
(2, 63050), (Start: 3 @62975 has 5 MA's), (Start: 4 @62903 has 12 MA's), (5, 62900), (6, 62780), (7, 62711),

Gene: Enceladus_111 Start: 63202, Stop: 62978, Start Num: 4
Candidate Starts for Enceladus_111:
(2, 63349), (Start: 3 @63274 has 5 MA's), (Start: 4 @63202 has 12 MA's), (5, 63199), (6, 63079), (7, 63010),

Gene: Halena_114 Start: 63524, Stop: 63300, Start Num: 4
Candidate Starts for Halena_114:
(1, 63746), (2, 63671), (Start: 3 @63596 has 5 MA's), (Start: 4 @63524 has 12 MA's), (5, 63521), (6, 63401), (7, 63332),

Gene: JoeDirt_114 Start: 64476, Stop: 64252, Start Num: 4
Candidate Starts for JoeDirt_114:
(Start: 4 @64476 has 12 MA's), (5, 64473), (6, 64353), (7, 64284),

Gene: LeBron_113 Start: 63212, Stop: 62916, Start Num: 3
Candidate Starts for LeBron_113:
(1, 63362), (2, 63287), (Start: 3 @63212 has 5 MA's), (Start: 4 @63140 has 12 MA's), (5, 63137), (6, 63017), (7, 62948),

Gene: MAckerman_112 Start: 63517, Stop: 63293, Start Num: 4
Candidate Starts for MAckerman_112:
(1, 63739), (2, 63664), (Start: 3 @63589 has 5 MA's), (Start: 4 @63517 has 12 MA's), (5, 63514), (6, 63394), (7, 63325),

Gene: Rose5_115 Start: 63814, Stop: 63590, Start Num: 4
Candidate Starts for Rose5_115:
(1, 64036), (2, 63961), (Start: 3 @63886 has 5 MA's), (Start: 4 @63814 has 12 MA's), (5, 63811), (6, 63691), (7, 63622),

Gene: Silverleaf_112 Start: 62948, Stop: 62724, Start Num: 4
Candidate Starts for Silverleaf_112:
(Start: 4 @62948 has 12 MA's), (5, 62945), (6, 62825), (7, 62756),

Gene: Tyson_116 Start: 64316, Stop: 64020, Start Num: 3
Candidate Starts for Tyson_116:
(1, 64466), (2, 64391), (Start: 3 @64316 has 5 MA's), (Start: 4 @64244 has 12 MA's), (5, 64241), (6, 64121), (7, 64052),

Gene: UPIE_113 Start: 63553, Stop: 63257, Start Num: 3
Candidate Starts for UPIE_113:
(1, 63703), (2, 63628), (Start: 3 @63553 has 5 MA's), (Start: 4 @63481 has 12 MA's), (5, 63478), (6, 63358), (7, 63289),

Gene: Wamburgrxpress_113 Start: 63877, Stop: 63653, Start Num: 4
Candidate Starts for Wamburgrxpress_113:
(Start: 4 @63877 has 12 MA's), (5, 63874), (6, 63754), (7, 63685),

Gene: Wyatt2_114 Start: 63907, Stop: 63683, Start Num: 4
Candidate Starts for Wyatt2_114:
(1, 64129), (2, 64054), (Start: 3 @63979 has 5 MA's), (Start: 4 @63907 has 12 MA's), (5, 63904), (6, 63784), (7, 63715),

Gene: Zaria_116 Start: 63958, Stop: 63734, Start Num: 4
Candidate Starts for Zaria_116:
(Start: 4 @63958 has 12 MA's), (5, 63955), (6, 63835), (7, 63766),