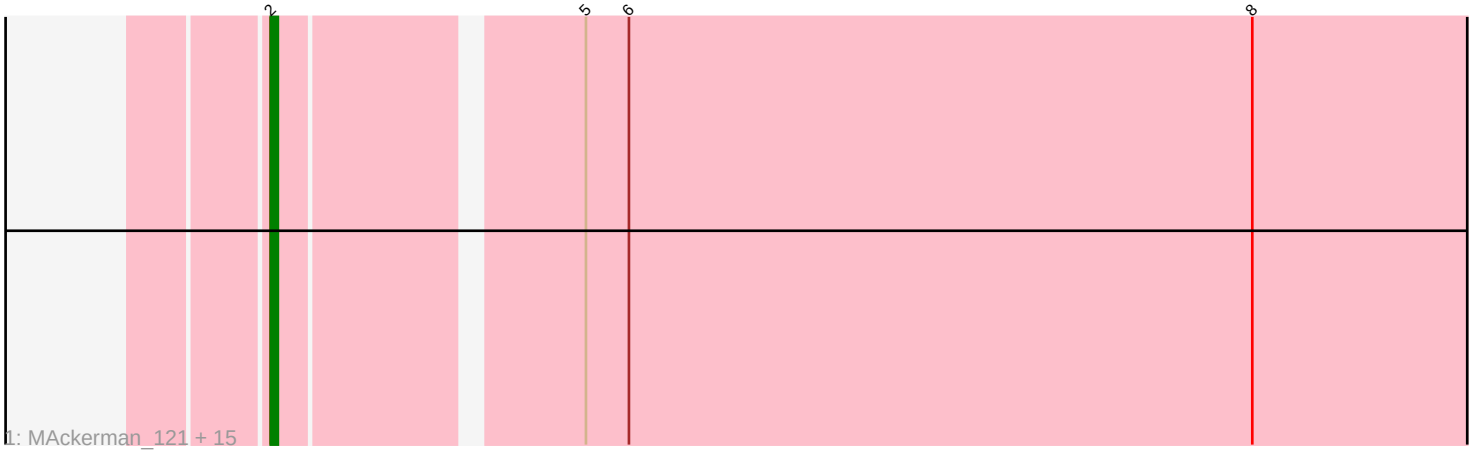
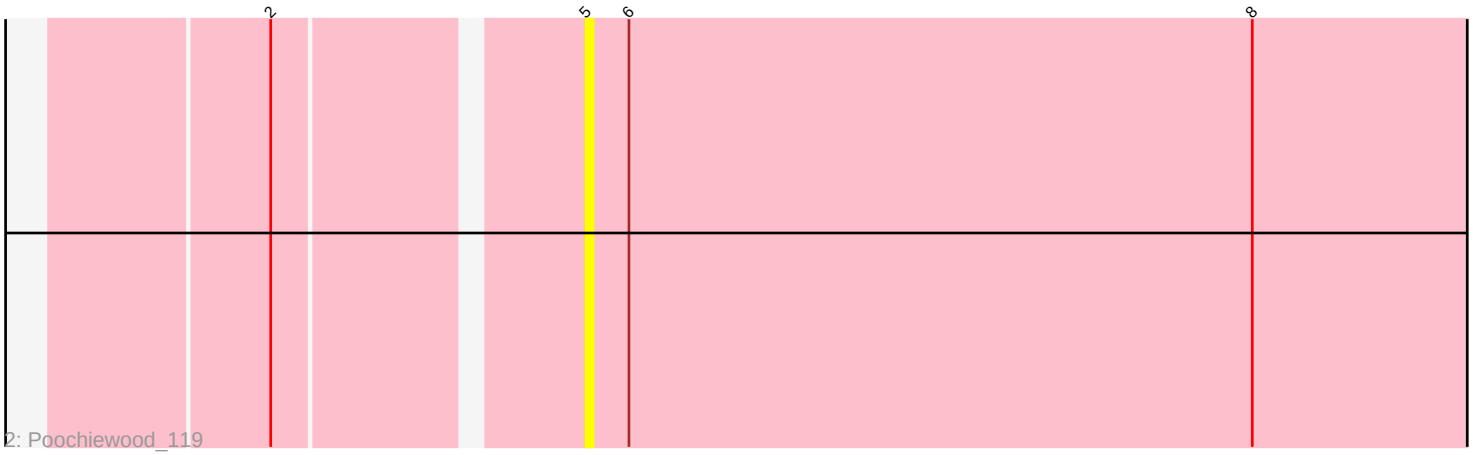
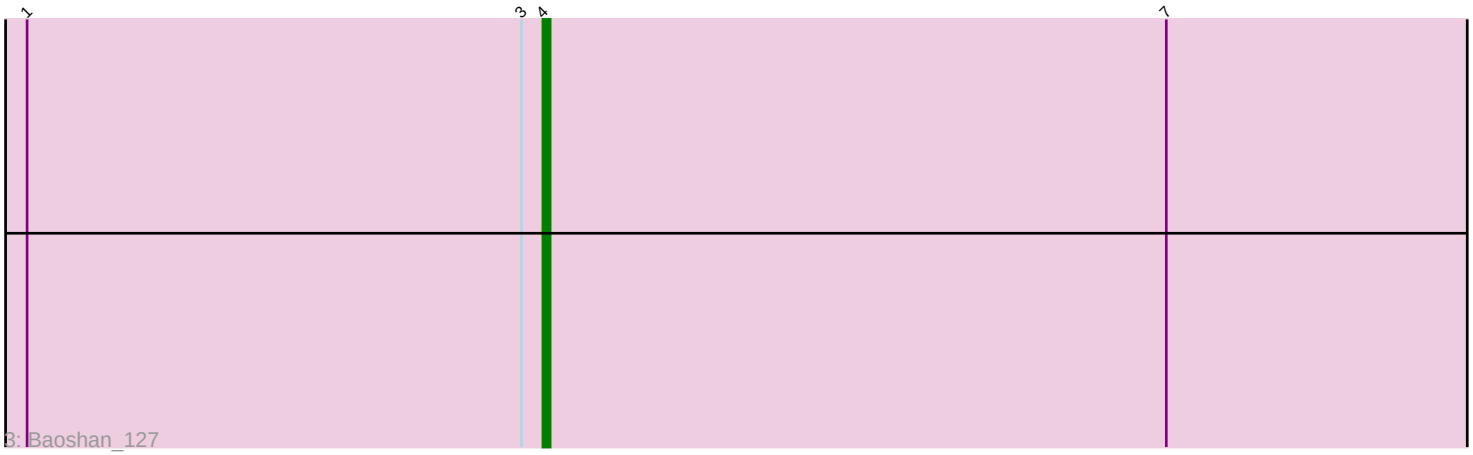
Pham 295147


2
5
6
8
1: MAckerman_121 + 15


2
5
6
8
2: Poochiewood_119


1
3
4
7
3: Baoshan_127

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 295147 Report

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

Pham number 295147 has 18 members, 1 are drafts.

Phages represented in each track:
• Track 1 : MAckerman_121, Calm_127, CicholasNage_114, Wamburgrxpress_122, UPIE_119, AvadaKedavra_120, Halena_120, JoeDirt_122, Tyson_121, OhShagHennessy_112, Acquire49_120, LeBron_119, Zaria_124, Rose5_121, Appletree2_119, Wyatt2_120
• Track 2 : Poochiewood_119
• Track 3 : Baoshan_127

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

The start number called the most often in the published annotations is 2, it was called in 16 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_120, Appletree2_119, AvadaKedavra_120, Calm_127, CicholasNage_114, Halena_120, JoeDirt_122, LeBron_119, MAckerman_121, OhShagHennessy_112, Rose5_121, Tyson_121, UPIE_119, Wamburgrxpress_122, Wyatt2_120, Zaria_124,

Genes that have the "Most Annotated" start but do not call it:
• Poochiewood_119,

Genes that do not have the "Most Annotated" start:
• Baoshan_127,

Summary by start number:

Start 2:
• Found in 17 of 18 (94.4%) of genes in pham
• Manual Annotations of this start: 16 of 17
• Called 94.1% of time when present
• Phage (with cluster) where this start called: Acquire49_120 (L1), Appletree2_119 (L1), AvadaKedavra_120 (L1), Calm_127 (L1), CicholasNage_114 (L1), Halena_120 (L1), JoeDirt_122 (L1), LeBron_119 (L1), MAckerman_121 (L1), OhShagHennessy_112 (L1), Rose5_121 (L1), Tyson_121 (L1), UPIE_119 (L1),

Wamburgrxpress_122 (L1), Wyatt2_120 (L1), Zaria_124 (L1),

Start 4:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Baoshan_127 (L2),

Start 5:
• Found in 17 of 18 (94.4%) of genes in pham
• No Manual Annotations of this start.
• Called 5.9% of time when present
• Phage (with cluster) where this start called: Poochiewood_119 (L1),

Summary by clusters:

There are 2 clusters represented in this pham: L2, L1,

Info for manual annotations of cluster L1:
•Start number 2 was manually annotated 16 times for cluster L1.

Info for manual annotations of cluster L2:
•Start number 4 was manually annotated 1 time for cluster L2.

Gene Information:

Gene: Acquire49_120 Start: 65386, Stop: 65159, Start Num: 2
Candidate Starts for Acquire49_120:
(Start: 2 @65386 has 16 MA's), (5, 65347), (6, 65341), (8, 65254),

Gene: Appletree2_119 Start: 65427, Stop: 65200, Start Num: 2
Candidate Starts for Appletree2_119:
(Start: 2 @65427 has 16 MA's), (5, 65388), (6, 65382), (8, 65295),

Gene: AvadaKedavra_120 Start: 65500, Stop: 65273, Start Num: 2
Candidate Starts for AvadaKedavra_120:
(Start: 2 @65500 has 16 MA's), (5, 65461), (6, 65455), (8, 65368),

Gene: Baoshan_127 Start: 67729, Stop: 67535, Start Num: 4
Candidate Starts for Baoshan_127:
(1, 67801), (3, 67732), (Start: 4 @67729 has 1 MA's), (7, 67642),

Gene: Calm_127 Start: 66601, Stop: 66374, Start Num: 2
Candidate Starts for Calm_127:
(Start: 2 @66601 has 16 MA's), (5, 66562), (6, 66556), (8, 66469),

Gene: CicholasNage_114 Start: 65731, Stop: 65504, Start Num: 2
Candidate Starts for CicholasNage_114:
(Start: 2 @65731 has 16 MA's), (5, 65692), (6, 65686), (8, 65599),

Gene: Halena_120 Start: 65374, Stop: 65147, Start Num: 2

Candidate Starts for Halena_120:
(Start: 2 @65374 has 16 MA's), (5, 65335), (6, 65329), (8, 65242),

Gene: JoeDirt_122 Start: 66605, Stop: 66378, Start Num: 2
Candidate Starts for JoeDirt_122:
(Start: 2 @66605 has 16 MA's), (5, 66566), (6, 66560), (8, 66473),

Gene: LeBron_119 Start: 64990, Stop: 64763, Start Num: 2
Candidate Starts for LeBron_119:
(Start: 2 @64990 has 16 MA's), (5, 64951), (6, 64945), (8, 64858),

Gene: MAckerman_121 Start: 65367, Stop: 65140, Start Num: 2
Candidate Starts for MAckerman_121:
(Start: 2 @65367 has 16 MA's), (5, 65328), (6, 65322), (8, 65235),

Gene: OhShagHennessy_112 Start: 64152, Stop: 63925, Start Num: 2
Candidate Starts for OhShagHennessy_112:
(Start: 2 @64152 has 16 MA's), (5, 64113), (6, 64107), (8, 64020),

Gene: Poochiewood_119 Start: 66784, Stop: 66596, Start Num: 5
Candidate Starts for Poochiewood_119:
(Start: 2 @66823 has 16 MA's), (5, 66784), (6, 66778), (8, 66691),

Gene: Rose5_121 Start: 65664, Stop: 65437, Start Num: 2
Candidate Starts for Rose5_121:
(Start: 2 @65664 has 16 MA's), (5, 65625), (6, 65619), (8, 65532),

Gene: Tyson_121 Start: 66094, Stop: 65867, Start Num: 2
Candidate Starts for Tyson_121:
(Start: 2 @66094 has 16 MA's), (5, 66055), (6, 66049), (8, 65962),

Gene: UPIE_119 Start: 65331, Stop: 65104, Start Num: 2
Candidate Starts for UPIE_119:
(Start: 2 @65331 has 16 MA's), (5, 65292), (6, 65286), (8, 65199),

Gene: Wamburgrxpress_122 Start: 65997, Stop: 65770, Start Num: 2
Candidate Starts for Wamburgrxpress_122:
(Start: 2 @65997 has 16 MA's), (5, 65958), (6, 65952), (8, 65865),

Gene: Wyatt2_120 Start: 65757, Stop: 65530, Start Num: 2
Candidate Starts for Wyatt2_120:
(Start: 2 @65757 has 16 MA's), (5, 65718), (6, 65712), (8, 65625),

Gene: Zaria_124 Start: 66066, Stop: 65839, Start Num: 2
Candidate Starts for Zaria_124:
(Start: 2 @66066 has 16 MA's), (5, 66027), (6, 66021), (8, 65934),