Pham 87231

1: Paperbeatsrock_118 + 8
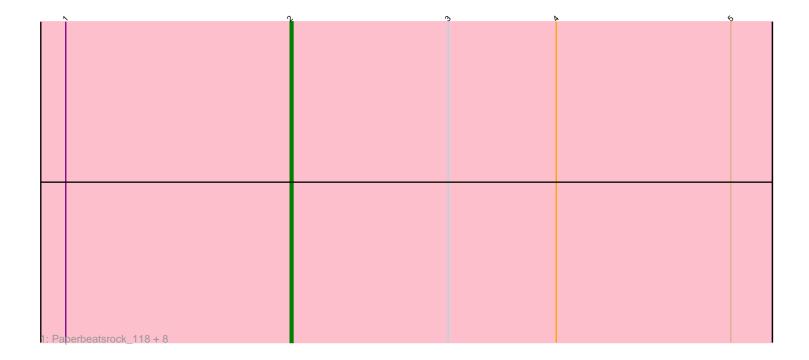
2: Lilizi_119 + 3

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 87231 Report

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

Pham number 87231 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Paperbeatsrock_118, Sotrice96_124, ShereKhan_117, Eureka_119, TBrady12_123, Phaja_122, IHOP_122, Maxxinista_121, Contagion_116
• Track 2 : Lilizi_119, Thresher_120, BugsBunny_119, Amao_125

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amao_125, BugsBunny_119, Contagion_116, Eureka_119, IHOP_122, Lilizi_119, Maxxinista_121, Paperbeatsrock_118, Phaja_122, ShereKhan_117, Sotrice96_124, TBrady12_123, Thresher_120,

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 2:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amao_125 (E), BugsBunny_119 (E), Contagion_116 (E), Eureka_119 (E), IHOP_122 (E), Lilizi_119 (E), Maxxinista_121 (E), Paperbeatsrock_118 (E), Phaja_122 (E), ShereKhan_117 (E), Sotrice96_124 (E), TBrady12_123 (E), Thresher_120 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 2 was manually annotated 11 times for cluster E.

Gene Information:

Gene: Amao_125 Start: 67970, Stop: 68143, Start Num: 2
Candidate Starts for Amao_125:
(1, 67889), (Start: 2 @67970 has 11 MA's), (3, 68027), (4, 68066),

Gene: BugsBunny_119 Start: 67421, Stop: 67594, Start Num: 2
Candidate Starts for BugsBunny_119:
(1, 67340), (Start: 2 @67421 has 11 MA's), (3, 67478), (4, 67517),

Gene: Contagion_116 Start: 66469, Stop: 66642, Start Num: 2
Candidate Starts for Contagion_116:
(1, 66388), (Start: 2 @66469 has 11 MA's), (3, 66526), (4, 66565), (5, 66628),

Gene: Eureka_119 Start: 67272, Stop: 67445, Start Num: 2
Candidate Starts for Eureka_119:
(1, 67191), (Start: 2 @67272 has 11 MA's), (3, 67329), (4, 67368), (5, 67431),

Gene: IHOP_122 Start: 67336, Stop: 67509, Start Num: 2
Candidate Starts for IHOP_122:
(1, 67255), (Start: 2 @67336 has 11 MA's), (3, 67393), (4, 67432), (5, 67495),

Gene: Lilizi_119 Start: 66894, Stop: 67067, Start Num: 2
Candidate Starts for Lilizi_119:
(1, 66813), (Start: 2 @66894 has 11 MA's), (3, 66951), (4, 66990),

Gene: Maxxinista_121 Start: 66793, Stop: 66966, Start Num: 2
Candidate Starts for Maxxinista_121:
(1, 66712), (Start: 2 @66793 has 11 MA's), (3, 66850), (4, 66889), (5, 66952),

Gene: Paperbeatsrock_118 Start: 67180, Stop: 67353, Start Num: 2
Candidate Starts for Paperbeatsrock_118:
(1, 67099), (Start: 2 @67180 has 11 MA's), (3, 67237), (4, 67276), (5, 67339),

Gene: Phaja_122 Start: 67341, Stop: 67514, Start Num: 2
Candidate Starts for Phaja_122:
(1, 67260), (Start: 2 @67341 has 11 MA's), (3, 67398), (4, 67437), (5, 67500),

Gene: ShereKhan_117 Start: 67840, Stop: 68013, Start Num: 2
Candidate Starts for ShereKhan_117:
(1, 67759), (Start: 2 @67840 has 11 MA's), (3, 67897), (4, 67936), (5, 67999),

Gene: Sotrice96_124 Start: 67964, Stop: 68137, Start Num: 2
Candidate Starts for Sotrice96_124:
(1, 67883), (Start: 2 @67964 has 11 MA's), (3, 68021), (4, 68060), (5, 68123),

Gene: TBrady12_123 Start: 66896, Stop: 67069, Start Num: 2

Candidate Starts for TBrady12_123:
(1, 66815), (Start: 2 @66896 has 11 MA's), (3, 66953), (4, 66992), (5, 67055),

Gene: Thresher_120 Start: 67745, Stop: 67918, Start Num: 2
Candidate Starts for Thresher_120:
(1, 67664), (Start: 2 @67745 has 11 MA's), (3, 67802), (4, 67841),