Pham 87196

1: Gorgeous_7 + 8

2: Molivia_7

3: Heylee_7 + 1

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 87196 Report

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

Pham number 87196 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Gorgeous_7, Amigo_7, SorJuana_7, Ichor_8, Boersma_8, Thunderclap_8, Yeezus_8, Jaek_8, Anansi_7
• Track 2 : Molivia_7
• Track 3 : Heylee_7, Amavida_7

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

The start number called the most often in the published annotations is 6, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amavida_7, Amigo_7, Anansi_7, Boersma_8, Gorgeous_7, Heylee_7, Ichor_8, Jaek_8, Molivia_7, SorJuana_7, Thunderclap_8, Yeezus_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 6:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amavida_7 (AQ), Amigo_7 (AQ), Anansi_7 (AQ), Boersma_8 (AQ), Gorgeous_7 (AQ), Heylee_7 (AQ), Ichor_8 (AQ), Jaek_8 (AQ), Molivia_7 (AQ), SorJuana_7 (AQ), Thunderclap_8 (AQ), Yeezus_8 (AQ),

Summary by clusters:

There is one cluster represented in this pham: AQ

Info for manual annotations of cluster AQ:
•Start number 6 was manually annotated 10 times for cluster AQ.

Gene Information:

Gene: Amavida_7 Start: 2248, Stop: 2057, Start Num: 6
Candidate Starts for Amavida_7:
(1, 2356), (2, 2332), (4, 2275), (Start: 6 @2248 has 10 MA's), (9, 2170), (11, 2128), (13, 2122), (14, 2092),

Gene: Amigo_7 Start: 2264, Stop: 2073, Start Num: 6
Candidate Starts for Amigo_7:
(3, 2324), (Start: 6 @2264 has 10 MA's), (9, 2186), (11, 2144), (13, 2138), (14, 2108),

Gene: Anansi_7 Start: 2269, Stop: 2078, Start Num: 6
Candidate Starts for Anansi_7:
(3, 2329), (Start: 6 @2269 has 10 MA's), (9, 2191), (11, 2149), (13, 2143), (14, 2113),

Gene: Boersma_8 Start: 2264, Stop: 2073, Start Num: 6
Candidate Starts for Boersma_8:
(3, 2324), (Start: 6 @2264 has 10 MA's), (9, 2186), (11, 2144), (13, 2138), (14, 2108),

Gene: Gorgeous_7 Start: 2269, Stop: 2078, Start Num: 6
Candidate Starts for Gorgeous_7:
(3, 2329), (Start: 6 @2269 has 10 MA's), (9, 2191), (11, 2149), (13, 2143), (14, 2113),

Gene: Heylee_7 Start: 2248, Stop: 2057, Start Num: 6
Candidate Starts for Heylee_7:
(1, 2356), (2, 2332), (4, 2275), (Start: 6 @2248 has 10 MA's), (9, 2170), (11, 2128), (13, 2122), (14, 2092),

Gene: Ichor_8 Start: 2264, Stop: 2073, Start Num: 6
Candidate Starts for Ichor_8:
(3, 2324), (Start: 6 @2264 has 10 MA's), (9, 2186), (11, 2144), (13, 2138), (14, 2108),

Gene: Jaek_8 Start: 2264, Stop: 2073, Start Num: 6
Candidate Starts for Jaek_8:
(3, 2324), (Start: 6 @2264 has 10 MA's), (9, 2186), (11, 2144), (13, 2138), (14, 2108),

Gene: Molivia_7 Start: 2359, Stop: 2162, Start Num: 6
Candidate Starts for Molivia_7:
(5, 2365), (Start: 6 @2359 has 10 MA's), (7, 2311), (8, 2308), (9, 2275), (10, 2236), (12, 2230),

Gene: SorJuana_7 Start: 2269, Stop: 2078, Start Num: 6
Candidate Starts for SorJuana_7:
(3, 2329), (Start: 6 @2269 has 10 MA's), (9, 2191), (11, 2149), (13, 2143), (14, 2113),

Gene: Thunderclap_8 Start: 2264, Stop: 2073, Start Num: 6
Candidate Starts for Thunderclap_8:
(3, 2324), (Start: 6 @2264 has 10 MA's), (9, 2186), (11, 2144), (13, 2138), (14, 2108),

Gene: Yeezus_8 Start: 2263, Stop: 2072, Start Num: 6
Candidate Starts for Yeezus_8:
(3, 2323), (Start: 6 @2263 has 10 MA's), (9, 2185), (11, 2143), (13, 2137), (14, 2107),