Pham 156874

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 156874 Report

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

Pham number 156874 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Onyinye_70, Aikoy_70, Leopard_69
• Track 2 : Baee_88
• Track 3 : EastView9101_91
• Track 4 : StinkyVeggy_88
• Track 5 : Serendipitous_90
• Track 6 : Rich_87
• Track 7 : Hawkeye_59

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

The start number called the most often in the published annotations is 10, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aikoy_70, Leopard_69, Onyinye_70,

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

Genes that do not have the "Most Annotated" start:
• Baee_88, EastView9101_91, Hawkeye_59, Rich_87, Serendipitous_90, StinkyVeggy_88,

Summary by start number:

Start 7:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hawkeye_59 (D2),

Start 8:
• Found in 5 of 9 (55.6%) of genes in pham
• No Manual Annotations of this start.

• Called 20.0% of time when present
• Phage (with cluster) where this start called: EastView9101_91 (B5),

Start 9:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Baee_88 (B5), Rich_87 (B5), Serendipitous_90 (B5), StinkyVeggy_88 (B5),

Start 10:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikoy_70 (AE), Leopard_69 (AE), Onyinye_70 (AE),

Summary by clusters:

There are 3 clusters represented in this pham: B5, AE, D2,

Info for manual annotations of cluster AE:
•Start number 10 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster B5:
•Start number 9 was manually annotated 3 times for cluster B5.

Info for manual annotations of cluster D2:
•Start number 7 was manually annotated 1 time for cluster D2.

Gene Information:
Gene: Aikoy_70 Start: 49512, Stop: 49811, Start Num: 10
Candidate Starts for Aikoy_70:
(Start: 10 @49512 has 3 MA's), (12, 49533), (18, 49620), (23, 49707), (24, 49719), (26, 49746), (28, 49791), (29, 49803),

Gene: Baee_88 Start: 66551, Stop: 66228, Start Num: 9
Candidate Starts for Baee_88:
(6, 66908), (8, 66578), (Start: 9 @66551 has 3 MA's), (11, 66530), (17, 66422), (20, 66383), (22, 66338), (28, 66251),

Gene: EastView9101_91 Start: 66091, Stop: 65741, Start Num: 8
Candidate Starts for EastView9101_91:
(4, 66916), (6, 66421), (8, 66091), (Start: 9 @66064 has 3 MA's), (11, 66043), (17, 65935), (20, 65896), (22, 65851), (28, 65764),

Gene: Hawkeye_59 Start: 42490, Stop: 42876, Start Num: 7
Candidate Starts for Hawkeye_59:
(Start: 7 @42490 has 1 MA's), (Start: 9 @42553 has 3 MA's), (21, 42754), (24, 42787), (25, 42790), (27, 42835), (28, 42856), (29, 42868),

Gene: Leopard_69 Start: 49812, Stop: 50111, Start Num: 10
Candidate Starts for Leopard_69:
(Start: 10 @49812 has 3 MA's), (12, 49833), (18, 49920), (23, 50007), (24, 50019), (26, 50046), (28, 50091), (29, 50103),

Gene: Onyinye_70 Start: 49679, Stop: 49978, Start Num: 10
Candidate Starts for Onyinye_70:
(Start: 10 @49679 has 3 MA's), (12, 49700), (18, 49787), (23, 49874), (24, 49886), (26, 49913), (28, 49958), (29, 49970),

Gene: Rich_87 Start: 66104, Stop: 65781, Start Num: 9
Candidate Starts for Rich_87:
(4, 66956), (6, 66461), (8, 66131), (Start: 9 @66104 has 3 MA's), (11, 66083), (17, 65975), (20, 65936), (22, 65891), (28, 65804),

Gene: Serendipitous_90 Start: 66024, Stop: 65701, Start Num: 9
Candidate Starts for Serendipitous_90:
(6, 66381), (8, 66054), (Start: 9 @66024 has 3 MA's), (14, 65943), (16, 65919), (17, 65895), (19, 65871), (20, 65856), (28, 65724),

Gene: StinkyVeggy_88 Start: 66157, Stop: 65834, Start Num: 9
Candidate Starts for StinkyVeggy_88:
(1, 67576), (2, 67429), (3, 67387), (4, 67015), (5, 66697), (6, 66517), (8, 66187), (Start: 9 @66157 has 3 MA's), (13, 66085), (15, 66070), (16, 66052), (17, 66028), (20, 65989), (28, 65857),