Pham 106938

7
8
9
13
18
19
1: Limpid_250 + 1
7
8
9
10
13
17
18
2: Blueeyedbeauty_256
7
8
9
11
13
18
3: Beuffert_253
1
3
4
6
8
9
12
14
15
16
4: Circinus_171
1
3
4
6
8
9
12
14
15
16
5: BillNye_170
5
8
9
15
17
6: Muntaha_183
2
5
8
9
15
17
7: Wakanda_181

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 106938 Report

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

Pham number 106938 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Limpid_250, Annadreamy_244
• Track 2 : Blueeyedbeauty_256
• Track 3 : Beuffert_253
• Track 4 : Circinus_171
• Track 5 : BillNye_170
• Track 6 : Muntaha_183
• Track 7 : Wakanda_181

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

The start number called the most often in the published annotations is 7, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_244, Beuffert_253, Blueeyedbeauty_256, Limpid_250,

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

Genes that do not have the "Most Annotated" start:
• BillNye_170, Circinus_171, Muntaha_183, Wakanda_181,

Summary by start number:

Start 4:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillNye_170 (BK2), Circinus_171 (BK2),

Start 5:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Muntaha_183 (BK2), Wakanda_181 (BK2),

Start 7:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_244 (BK1), Beuffert_253 (BK1), Blueeyedbeauty_256 (BK1), Limpid_250 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:
•Start number 7 was manually annotated 4 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 4 was manually annotated 2 times for cluster BK2.
•Start number 5 was manually annotated 2 times for cluster BK2.

Gene Information:

Gene: Annadreamy_244 Start: 116193, Stop: 116426, Start Num: 7
Candidate Starts for Annadreamy_244:
(Start: 7 @116193 has 4 MA's), (8, 116253), (9, 116259), (13, 116355), (18, 116415), (19, 116418),

Gene: Beuffert_253 Start: 120646, Stop: 120879, Start Num: 7
Candidate Starts for Beuffert_253:
(Start: 7 @120646 has 4 MA's), (8, 120706), (9, 120712), (11, 120754), (13, 120808), (18, 120868),

Gene: BillNye_170 Start: 95220, Stop: 95477, Start Num: 4
Candidate Starts for BillNye_170:
(1, 95064), (3, 95181), (Start: 4 @95220 has 2 MA's), (6, 95232), (8, 95301), (9, 95307), (12, 95379), (14, 95409), (15, 95424), (16, 95439),

Gene: Blueeyedbeauty_256 Start: 120826, Stop: 121059, Start Num: 7
Candidate Starts for Blueeyedbeauty_256:
(Start: 7 @120826 has 4 MA's), (8, 120886), (9, 120892), (10, 120910), (13, 120988), (17, 121045), (18, 121048),

Gene: Circinus_171 Start: 95185, Stop: 95442, Start Num: 4
Candidate Starts for Circinus_171:
(1, 95029), (3, 95146), (Start: 4 @95185 has 2 MA's), (6, 95197), (8, 95266), (9, 95272), (12, 95344), (14, 95374), (15, 95389), (16, 95404),

Gene: Limpid_250 Start: 121506, Stop: 121739, Start Num: 7
Candidate Starts for Limpid_250:
(Start: 7 @121506 has 4 MA's), (8, 121566), (9, 121572), (13, 121668), (18, 121728), (19, 121731),

Gene: Muntaha_183 Start: 94457, Stop: 94699, Start Num: 5

Candidate Starts for Muntaha_183:
(Start: 5 @94457 has 2 MA's), (8, 94529), (9, 94535), (15, 94652), (17, 94688),

Gene: Wakanda_181 Start: 94138, Stop: 94380, Start Num: 5
Candidate Starts for Wakanda_181:
(2, 94096), (Start: 5 @94138 has 2 MA's), (8, 94210), (9, 94216), (15, 94333), (17, 94369),