Pham 346454


9
10
15
20
23
26
27
29
31
32
33
36
1: Blueeyedbeauty_204
16
20
23
26
27
31
32
36
2: Beuffert_201
21
24
26
32
37
3: Limpid_202 + 1
2
5
6
7
11
12
13
18
20
25
28
30
35
4: Muntaha_202
1
3
4
10
12
18
20
24
25
27
5: Circinus_187 + 1
17
19
22
25
27
34
6: Wakanda_202
8
10
12
14
20
25
27
7: Chaewon_197

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 346454 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346454 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Blueeyedbeauty_204
• Track 2 : Beuffert_201
• Track 3 : Limpid_202, Annadreamy_195
• Track 4 : Muntaha_202
• Track 5 : Circinus_187, BillNye_186
• Track 6 : Wakanda_202
• Track 7 : Chaewon_197

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

The start number called the most often in the published annotations is 20, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beuffert_201, BillNye_186, Blueeyedbeauty_204, Chaewon_197, Circinus_187, Muntaha_202,

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

Genes that do not have the "Most Annotated" start:
• Annadreamy_195, Limpid_202, Wakanda_202,

Summary by start number:

Start 20:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beuffert_201 (BK1), BillNye_186 (BK2), Blueeyedbeauty_204 (BK1), Chaewon_197 (BK2), Circinus_187 (BK2), Muntaha_202 (BK2),

Start 21:

• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annadreamy_195 (BK1), Limpid_202 (BK1),

Start 22:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wakanda_202 (BK2),

Summary by clusters:

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

Info for manual annotations of cluster BK1:
•Start number 20 was manually annotated 2 times for cluster BK1.
•Start number 21 was manually annotated 2 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 20 was manually annotated 4 times for cluster BK2.
•Start number 22 was manually annotated 1 time for cluster BK2.

Gene Information:

Gene: Annadreamy_195 Start: 99060, Stop: 99326, Start Num: 21
Candidate Starts for Annadreamy_195:
(Start: 21 @99060 has 2 MA's), (24, 99102), (26, 99135), (32, 99267), (37, 99315),

Gene: Beuffert_201 Start: 103046, Stop: 103321, Start Num: 20
Candidate Starts for Beuffert_201:
(16, 103016), (Start: 20 @103046 has 6 MA's), (23, 103088), (26, 103130), (27, 103136), (31, 103244), (32, 103253), (36, 103301),

Gene: BillNye_186 Start: 101224, Stop: 101460, Start Num: 20
Candidate Starts for BillNye_186:
(1, 101041), (3, 101053), (4, 101059), (10, 101131), (12, 101155), (18, 101197), (Start: 20 @101224 has 6 MA's), (24, 101269), (25, 101284), (27, 101311),

Gene: Blueeyedbeauty_204 Start: 102774, Stop: 103049, Start Num: 20
Candidate Starts for Blueeyedbeauty_204:
(9, 102681), (10, 102684), (15, 102741), (Start: 20 @102774 has 6 MA's), (23, 102816), (26, 102858), (27, 102864), (29, 102900), (31, 102972), (32, 102981), (33, 102984), (36, 103029),

Gene: Chaewon_197 Start: 102961, Stop: 103197, Start Num: 20
Candidate Starts for Chaewon_197:
(8, 102844), (10, 102868), (12, 102892), (14, 102919), (Start: 20 @102961 has 6 MA's), (25, 103021), (27, 103048),

Gene: Circinus_187 Start: 101031, Stop: 101267, Start Num: 20

Candidate Starts for Circinus_187:
(1, 100848), (3, 100860), (4, 100866), (10, 100938), (12, 100962), (18, 101004), (Start: 20 @101031 has 6 MA's), (24, 101076), (25, 101091), (27, 101118),

Gene: Limpid_202 Start: 104373, Stop: 104639, Start Num: 21
Candidate Starts for Limpid_202:
(Start: 21 @104373 has 2 MA's), (24, 104415), (26, 104448), (32, 104580), (37, 104628),

Gene: Muntaha_202 Start: 101226, Stop: 101507, Start Num: 20
Candidate Starts for Muntaha_202:
(2, 101043), (5, 101064), (6, 101070), (7, 101073), (11, 101139), (12, 101157), (13, 101166), (18, 101199), (Start: 20 @101226 has 6 MA's), (25, 101298), (28, 101367), (30, 101433), (35, 101487),

Gene: Wakanda_202 Start: 101508, Stop: 101735, Start Num: 22
Candidate Starts for Wakanda_202:
(17, 101478), (19, 101502), (Start: 22 @101508 has 1 MA's), (25, 101562), (27, 101589), (34, 101718),