Pham 346391


3
13
15
19
20
22
1: Adzzy_82 + 1
6
8
13
15
19
20
22
2: Che12_82
1
2
12
13
15
19
20
22
3: SwirlSquare_83
4
5
8
16
17
21
23
4: Bantam_150
10
11
5: ModicumRichard_160 + 3
7
9
11
14
18
21
24
6: Morgana_167

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 346391 Report

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

Pham number 346391 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Adzzy_82, Ph8s_82
• Track 2 : Che12_82
• Track 3 : SwirlSquare_83
• Track 4 : Bantam_150
• Track 5 : ModicumRichard_160, Cafasso_161, Aleemily_159, ObLaDi_161
• Track 6 : Morgana_167

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

The start number called the most often in the published annotations is 13, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adzzy_82, Che12_82, Ph8s_82, SwirlSquare_83,

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

Genes that do not have the "Most Annotated" start:
• Aleemily_159, Bantam_150, Cafasso_161, ModicumRichard_160, Morgana_167, ObLaDi_161,

Summary by start number:

Start 8:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Bantam_150 (DL),

Start 9:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Morgana_167 (DZ),

Start 10:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_159 (DZ), Cafasso_161 (DZ), ModicumRichard_160 (DZ), ObLaDi_161 (DZ),

Start 13:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adzzy_82 (A2), Che12_82 (A2), Ph8s_82 (A2), SwirlSquare_83 (A2),

Summary by clusters:

There are 3 clusters represented in this pham: DL, A2, DZ,

Info for manual annotations of cluster A2:
•Start number 13 was manually annotated 4 times for cluster A2.

Info for manual annotations of cluster DL:
•Start number 8 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DZ:
•Start number 9 was manually annotated 1 time for cluster DZ.
•Start number 10 was manually annotated 4 times for cluster DZ.

Gene Information:

Gene: Adzzy_82 Start: 46155, Stop: 45853, Start Num: 13
Candidate Starts for Adzzy_82:
(3, 46278), (Start: 13 @46155 has 4 MA's), (15, 46068), (19, 45978), (20, 45957), (22, 45945),

Gene: Aleemily_159 Start: 83168, Stop: 83518, Start Num: 10
Candidate Starts for Aleemily_159:
(Start: 10 @83168 has 4 MA's), (11, 83195),

Gene: Bantam_150 Start: 85100, Stop: 84735, Start Num: 8
Candidate Starts for Bantam_150:
(4, 85157), (5, 85148), (Start: 8 @85100 has 1 MA's), (16, 84932), (17, 84902), (21, 84845), (23, 84743),

Gene: Cafasso_161 Start: 83594, Stop: 83944, Start Num: 10
Candidate Starts for Cafasso_161:
(Start: 10 @83594 has 4 MA's), (11, 83621),

Gene: Che12_82 Start: 46057, Stop: 45755, Start Num: 13
Candidate Starts for Che12_82:

(6, 46123), (Start: 8 @46105 has 1 MA's), (Start: 13 @46057 has 4 MA's), (15, 45970), (19, 45880), (20, 45859), (22, 45847),

Gene: ModicumRichard_160 Start: 83726, Stop: 84076, Start Num: 10
Candidate Starts for ModicumRichard_160:
(Start: 10 @83726 has 4 MA's), (11, 83753),

Gene: Morgana_167 Start: 84185, Stop: 84532, Start Num: 9
Candidate Starts for Morgana_167:
(7, 84170), (Start: 9 @84185 has 1 MA's), (11, 84206), (14, 84278), (18, 84383), (21, 84422), (24, 84527),

Gene: ObLaDi_161 Start: 83725, Stop: 84075, Start Num: 10
Candidate Starts for ObLaDi_161:
(Start: 10 @83725 has 4 MA's), (11, 83752),

Gene: Ph8s_82 Start: 46368, Stop: 46066, Start Num: 13
Candidate Starts for Ph8s_82:
(3, 46491), (Start: 13 @46368 has 4 MA's), (15, 46281), (19, 46191), (20, 46170), (22, 46158),

Gene: SwirlSquare_83 Start: 45806, Stop: 45504, Start Num: 13
Candidate Starts for SwirlSquare_83:
(1, 46004), (2, 45956), (12, 45818), (Start: 13 @45806 has 4 MA's), (15, 45719), (19, 45629), (20, 45608), (22, 45596),