Pham 346589


6
10
18
23
24
28
1: Nyilah_44
10
20
22
2: Richie_49
5
11
19
22
3: BenchScraper_46
1
2
3
7
9
12
14
16
17
25
26
27
4: MidnightRain_36
4
8
13
15
21
23
29
5: E3_gp196

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 346589 Report

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

Pham number 346589 has 5 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Nyilah_44
• Track 2 : Richie_49
• Track 3 : BenchScraper_46
• Track 4 : MidnightRain_36
• Track 5 : E3_gp196

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

The start number called the most often in the published annotations is 9, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• MidnightRain_36,

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

Genes that do not have the "Most Annotated" start:
• BenchScraper_46, E3_gp196, Nyilah_44, Richie_49,

Summary by start number:

Start 9:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MidnightRain_36 (AY),

Start 10:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nyilah_44 (AY), Richie_49 (AY),

Start 11:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BenchScraper_46 (AY),

Start 15:
• Found in 1 of 5 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: E3_gp196 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: AY, singleton,

Info for manual annotations of cluster AY:
•Start number 9 was manually annotated 1 time for cluster AY.
•Start number 10 was manually annotated 1 time for cluster AY.
•Start number 11 was manually annotated 1 time for cluster AY.

Gene Information:

Gene: BenchScraper_46 Start: 29313, Stop: 29612, Start Num: 11
Candidate Starts for BenchScraper_46:
(5, 29250), (Start: 11 @29313 has 1 MA's), (19, 29445), (22, 29457),

Gene: E3_gp196 Start: 128998, Stop: 129294, Start Num: 15
Candidate Starts for E3_gp196:
(4, 128857), (8, 128920), (13, 128986), (15, 128998), (21, 129097), (23, 129103), (29, 129277),

Gene: MidnightRain_36 Start: 24483, Stop: 24845, Start Num: 9
Candidate Starts for MidnightRain_36:
(1, 24279), (2, 24291), (3, 24357), (7, 24462), (Start: 9 @24483 has 1 MA's), (12, 24501), (14, 24531), (16, 24543), (17, 24597), (25, 24684), (26, 24711), (27, 24762),

Gene: Nyilah_44 Start: 27879, Stop: 28214, Start Num: 10
Candidate Starts for Nyilah_44:
(6, 27825), (Start: 10 @27879 has 1 MA's), (18, 28005), (23, 28032), (24, 28038), (28, 28152),

Gene: Richie_49 Start: 30530, Stop: 30829, Start Num: 10
Candidate Starts for Richie_49:
(Start: 10 @30530 has 1 MA's), (20, 30671), (22, 30674),