Pham 346516


1
3
9
12
13
14
18
1: LucySwiss_43
1
3
5
9
13
14
16
18
2: Teacup_44 + 1
1
3
9
12
13
14
18
3: Synepsis_42
1
3
7
9
13
14
16
18
4: Tatanka_42
1
3
9
12
13
14
15
18
19
5: Nightmare_45
2
4
6
8
10
11
17
18
19
6: Hemma_43

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 346516 Report

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

Pham number 346516 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : LucySwiss_43
• Track 2 : Teacup_44, Acai_44
• Track 3 : Synepsis_42
• Track 4 : Tatanka_42
• Track 5 : Nightmare_45
• Track 6 : Hemma_43

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acai_44, LucySwiss_43, Nightmare_45, Synepsis_42, Tatanka_42, Teacup_44,

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

Genes that do not have the "Most Annotated" start:
• Hemma_43,

Summary by start number:

Start 2:
• Found in 1 of 7 (14.3%) 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: Hemma_43 (AU1),

Start 3:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Acai_44 (AU1), LucySwiss_43 (AU1), Nightmare_45 (AU1), Synepsis_42 (AU1), Tatanka_42 (AU1), Teacup_44 (AU1),

Summary by clusters:

There is one cluster represented in this pham: AU1

Info for manual annotations of cluster AU1:
•Start number 2 was manually annotated 1 time for cluster AU1.
•Start number 3 was manually annotated 6 times for cluster AU1.

Gene Information:

Gene: Acai_44 Start: 33059, Stop: 33397, Start Num: 3
Candidate Starts for Acai_44:
(1, 32993), (Start: 3 @33059 has 6 MA's), (5, 33104), (9, 33170), (13, 33236), (14, 33242), (16, 33290), (18, 33341),

Gene: Hemma_43 Start: 29847, Stop: 30203, Start Num: 2
Candidate Starts for Hemma_43:
(Start: 2 @29847 has 1 MA's), (4, 29904), (6, 29919), (8, 29934), (10, 29982), (11, 29991), (17, 30135), (18, 30147), (19, 30180),

Gene: LucySwiss_43 Start: 32697, Stop: 33038, Start Num: 3
Candidate Starts for LucySwiss_43:
(1, 32631), (Start: 3 @32697 has 6 MA's), (9, 32808), (12, 32850), (13, 32874), (14, 32880), (18, 32982),

Gene: Nightmare_45 Start: 33839, Stop: 34183, Start Num: 3
Candidate Starts for Nightmare_45:
(1, 33773), (Start: 3 @33839 has 6 MA's), (9, 33950), (12, 33992), (13, 34016), (14, 34022), (15, 34040), (18, 34127), (19, 34160),

Gene: Synepsis_42 Start: 32942, Stop: 33283, Start Num: 3
Candidate Starts for Synepsis_42:
(1, 32876), (Start: 3 @32942 has 6 MA's), (9, 33053), (12, 33095), (13, 33119), (14, 33125), (18, 33227),

Gene: Tatanka_42 Start: 33115, Stop: 33453, Start Num: 3
Candidate Starts for Tatanka_42:
(1, 33049), (Start: 3 @33115 has 6 MA's), (7, 33175), (9, 33226), (13, 33292), (14, 33298), (16, 33346), (18, 33397),

Gene: Teacup_44 Start: 33305, Stop: 33643, Start Num: 3
Candidate Starts for Teacup_44:
(1, 33239), (Start: 3 @33305 has 6 MA's), (5, 33350), (9, 33416), (13, 33482), (14, 33488), (16, 33536), (18, 33587),