Pham 284530


4
6
8
14
15
17
20
24
25
26
30
34
35
36
40
1: phiSASD1_40
3
6
8
14
17
18
27
28
38
2: Bimmel_65
3
6
14
16
17
19
28
31
3: Spooks_66
3
6
7
8
14
17
18
28
38
4: Success_67
1
4
6
14
23
27
29
41
5: Samy_26
2
4
5
6
7
8
9
10
11
12
16
18
31
37
39
42
43
6: Attoomi_20

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 284530 Report

This analysis was run 02/23/26 on database version 636.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 284530 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : phiSASD1_40
• Track 2 : Bimmel_65
• Track 3 : Spooks_66
• Track 4 : Success_67
• Track 5 : Samy_26
• Track 6 : Attoomi_20

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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bimmel_65, Spooks_66, Success_67,

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

Genes that do not have the "Most Annotated" start:
• Attoomi_20, Samy_26, phiSASD1_40,

Summary by start number:

Start 3:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bimmel_65 (BT), Spooks_66 (BT), Success_67 (BT),

Start 4:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Attoomi_20 (singleton), Samy_26 (singleton),

Start 6:
• Found in 6 of 6 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: phiSASD1_40 (BJ),

Summary by clusters:

There are 3 clusters represented in this pham: BT, singleton, BJ,

Info for manual annotations of cluster BT:
•Start number 3 was manually annotated 3 times for cluster BT.

Gene Information:

Gene: Attoomi_20 Start: 16925, Stop: 17971, Start Num: 4
Candidate Starts for Attoomi_20:
(2, 16910), (Start: 4 @16925 has 2 MA's), (5, 16934), (6, 16985), (7, 17015), (8, 17066), (9, 17120), (10, 17213), (11, 17225), (12, 17234), (13, 17294), (14, 17297), (16, 17330), (18, 17387), (21, 17537), (22, 17543), (31, 17624), (32, 17639), (33, 17642), (37, 17774), (39, 17786), (42, 17882), (43, 17963),

Gene: Bimmel_65 Start: 43801, Stop: 44664, Start Num: 3
Candidate Starts for Bimmel_65:
(Start: 3 @43801 has 3 MA's), (6, 43861), (8, 43939), (14, 44170), (17, 44212), (18, 44266), (27, 44479), (28, 44485), (38, 44650),

Gene: Samy_26 Start: 20532, Stop: 21713, Start Num: 4
Candidate Starts for Samy_26:
(1, 20511), (Start: 4 @20532 has 2 MA's), (6, 20592), (14, 20901), (23, 21147), (27, 21195), (29, 21204), (41, 21444),

Gene: Spooks_66 Start: 45108, Stop: 45971, Start Num: 3
Candidate Starts for Spooks_66:
(Start: 3 @45108 has 3 MA's), (6, 45168), (14, 45477), (16, 45510), (17, 45519), (19, 45651), (28, 45792), (31, 45810),

Gene: Success_67 Start: 44240, Stop: 45103, Start Num: 3
Candidate Starts for Success_67:
(Start: 3 @44240 has 3 MA's), (6, 44300), (7, 44330), (8, 44378), (14, 44609), (17, 44651), (18, 44705), (28, 44924), (38, 45089),

Gene: phiSASD1_40 Start: 16596, Stop: 17432, Start Num: 6
Candidate Starts for phiSASD1_40:

(Start: 4 @16536 has 2 MA's), (6, 16596), (8, 16674), (14, 16905), (15, 16929), (17, 16947), (20, 17106), (24, 17172), (25, 17199), (26, 17214), (30, 17229), (34, 17271), (35, 17307), (36, 17379), (40, 17421),