Pham 335606


7
10
14
15
20
25
28
31
32
35
36
37
38
39
1: UmaThurman_10 + 1
22
24
29
30
2: Petra_87
25
29
30
41
3: PhrostedPhlake_86 + 1
1
4
13
15
19
25
29
30
41
4: Walrus_81
2
5
6
8
9
11
12
27
29
30
41
5: Obliviate_78
3
16
17
18
23
26
30
33
34
35
40
42
6: William_81

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 335606 Report

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

Pham number 335606 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : UmaThurman_10, Samba_10
• Track 2 : Petra_87
• Track 3 : PhrostedPhlake_86, KappaFarmDelta_79
• Track 4 : Walrus_81
• Track 5 : Obliviate_78
• Track 6 : William_81

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

The start number called the most often in the published annotations is 25, it was called in 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• KappaFarmDelta_79, PhrostedPhlake_86, Walrus_81,

Genes that have the "Most Annotated" start but do not call it:
• Samba_10, UmaThurman_10,

Genes that do not have the "Most Annotated" start:
• Obliviate_78, Petra_87, William_81,

Summary by start number:

Start 20:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Samba_10 (CV), UmaThurman_10 (CV),

Start 23:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: William_81 (CV),

Start 24:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Petra_87 (CV),

Start 25:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 60.0% of time when present
• Phage (with cluster) where this start called: KappaFarmDelta_79 (CV), PhrostedPhlake_86 (CV), Walrus_81 (CV),

Start 27:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Obliviate_78 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:
•Start number 20 was manually annotated 2 times for cluster CV.
•Start number 23 was manually annotated 1 time for cluster CV.
•Start number 24 was manually annotated 1 time for cluster CV.
•Start number 25 was manually annotated 3 times for cluster CV.
•Start number 27 was manually annotated 1 time for cluster CV.

Gene Information:

Gene: KappaFarmDelta_79 Start: 48356, Stop: 48718, Start Num: 25
Candidate Starts for KappaFarmDelta_79:
(Start: 25 @48356 has 3 MA's), (29, 48395), (30, 48425), (41, 48677),

Gene: Obliviate_78 Start: 47705, Stop: 48070, Start Num: 27
Candidate Starts for Obliviate_78:
(2, 46826), (5, 47183), (6, 47240), (8, 47273), (9, 47381), (11, 47396), (12, 47432), (Start: 27 @47705 has 1 MA's), (29, 47741), (30, 47771), (41, 48023),

Gene: Petra_87 Start: 51015, Stop: 51386, Start Num: 24
Candidate Starts for Petra_87:
(21, 50997), (22, 51000), (Start: 24 @51015 has 1 MA's), (29, 51060), (30, 51090),

Gene: PhrostedPhlake_86 Start: 50781, Stop: 51143, Start Num: 25
Candidate Starts for PhrostedPhlake_86:
(Start: 25 @50781 has 3 MA's), (29, 50820), (30, 50850), (41, 51102),

Gene: Samba_10 Start: 7331, Stop: 7696, Start Num: 20

Candidate Starts for Samba_10:
(7, 6908), (10, 7046), (14, 7151), (15, 7154), (Start: 20 @7331 has 2 MA's), (Start: 25 @7358 has 3 MA's), (28, 7373), (31, 7445), (32, 7475), (35, 7586), (36, 7601), (37, 7607), (38, 7619), (39, 7646),

Gene: UmaThurman_10 Start: 7330, Stop: 7695, Start Num: 20
Candidate Starts for UmaThurman_10:
(7, 6907), (10, 7045), (14, 7150), (15, 7153), (Start: 20 @7330 has 2 MA's), (Start: 25 @7357 has 3 MA's), (28, 7372), (31, 7444), (32, 7474), (35, 7585), (36, 7600), (37, 7606), (38, 7618), (39, 7645),

Gene: Walrus_81 Start: 50574, Stop: 50942, Start Num: 25
Candidate Starts for Walrus_81:
(1, 49695), (4, 49953), (13, 50358), (15, 50382), (19, 50538), (Start: 25 @50574 has 3 MA's), (29, 50613), (30, 50643), (41, 50898),

Gene: William_81 Start: 49629, Stop: 50006, Start Num: 23
Candidate Starts for William_81:
(3, 48831), (16, 49428), (17, 49539), (18, 49548), (Start: 23 @49629 has 1 MA's), (26, 49641), (30, 49716), (33, 49785), (34, 49833), (35, 49875), (40, 49953), (42, 49971),