Pham 344768


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1: Gsput1_44
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2: Bubbles123_61
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3: Mwanjiwa_71
6
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12
18
26
27
30
4: EmiMonkey_63
8
10
11
13
19
24
28
5: Toron_76
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19
20
21
29
6: Marleymoo_107

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 344768 Report

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

Pham number 344768 has 6 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Gsput1_44
• Track 2 : Bubbles123_61
• Track 3 : Mwanjiwa_71
• Track 4 : EmiMonkey_63
• Track 5 : Toron_76
• Track 6 : Marleymoo_107

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

The start number called the most often in the published annotations is 18, it was called in 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bubbles123_61, EmiMonkey_63, Mwanjiwa_71,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Gsput1_44, Marleymoo_107, Toron_76,

Summary by start number:

Start 16:
• Found in 1 of 6 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gsput1_44 (CU2),

Start 18:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bubbles123_61 (F1), EmiMonkey_63 (F1), Mwanjiwa_71 (F1),

Start 19:
• Found in 2 of 6 (33.3%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Toron_76 (F6),

Start 20:
• Found in 1 of 6 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Marleymoo_107 (J),

Summary by clusters:

There are 4 clusters represented in this pham: F1, J, CU2, F6,

Info for manual annotations of cluster F1:
•Start number 18 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: Bubbles123_61 Start: 41991, Stop: 42194, Start Num: 18
Candidate Starts for Bubbles123_61:
(8, 41832), (Start: 18 @41991 has 1 MA's), (26, 42132), (30, 42177),

Gene: EmiMonkey_63 Start: 44267, Stop: 44470, Start Num: 18
Candidate Starts for EmiMonkey_63:
(6, 43991), (8, 44108), (12, 44150), (Start: 18 @44267 has 1 MA's), (26, 44408), (27, 44411), (30, 44453),

Gene: Gsput1_44 Start: 32260, Stop: 32490, Start Num: 16
Candidate Starts for Gsput1_44:
(1, 31912), (2, 31939), (3, 31951), (4, 31960), (5, 31984), (7, 32065), (8, 32134), (15, 32236), (16, 32260), (17, 32284), (22, 32386), (23, 32392), (25, 32416),

Gene: Marleymoo_107 Start: 65101, Stop: 65268, Start Num: 20
Candidate Starts for Marleymoo_107:
(9, 64939), (14, 65008), (19, 65098), (20, 65101), (21, 65167), (29, 65251),

Gene: Mwanjiwa_71 Start: 43700, Stop: 43903, Start Num: 18
Candidate Starts for Mwanjiwa_71:
(8, 43541), (Start: 18 @43700 has 1 MA's), (26, 43841), (30, 43886),

Gene: Toron_76 Start: 46968, Stop: 47153, Start Num: 19
Candidate Starts for Toron_76:

(8, 46797), (10, 46818), (11, 46824), (13, 46866), (19, 46968), (24, 47058), (28, 47115),