Pham 346372


10
18
20
1: Artu_219
7
10
18
2: WaddleDee_215 + 1
7
10
18
20
3: Panchaali_218
1
7
10
12
4: Emmerator_221
1
7
10
17
21
5: KSunshine22_224
6
11
14
17
24
6: Stewart25555_221
7
10
12
7: BooTeria_218
10
14
15
16
8: Atuin_219
2
3
4
5
8
22
9: Laure_218
9
13
19
23
10: Yappy_102

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 346372 Report

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

Pham number 346372 has 11 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Artu_219
• Track 2 : WaddleDee_215, DunneganBoMo_219
• Track 3 : Panchaali_218
• Track 4 : Emmetator_221
• Track 5 : KSunshine22_224
• Track 6 : Stewart25555_221
• Track 7 : BooTeria_218
• Track 8 : Atuin_219
• Track 9 : Laure_218
• Track 10 : Yappy_102

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

The start number called the most often in the published annotations is 10, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_219, Atuin_219, BooTeria_218, DunneganBoMo_219, Panchaali_218, WaddleDee_215,

Genes that have the "Most Annotated" start but do not call it:
• Emmetator_221, KSunshine22_224,

Genes that do not have the "Most Annotated" start:
• Laure_218, Stewart25555_221, Yappy_102,

Summary by start number:

Start 3:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Laure_218 (UNK),

Start 7:
• Found in 6 of 11 (54.5%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Emmetator_221 (FC), KSunshine22_224 (FC),

Start 9:
• Found in 1 of 11 (9.1%) 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: Yappy_102 (singleton),

Start 10:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Artu_219 (FC), Atuin_219 (FC), BooTeria_218 (FC), DunneganBoMo_219 (FC), Panchaali_218 (FC), WaddleDee_215 (FC),

Start 11:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stewart25555_221 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: FC, singleton, UNK,

Info for manual annotations of cluster FC:
•Start number 10 was manually annotated 6 times for cluster FC.

Gene Information:

Gene: Artu_219 Start: 154257, Stop: 154541, Start Num: 10
Candidate Starts for Artu_219:
(Start: 10 @154257 has 6 MA's), (18, 154422), (20, 154458),

Gene: Atuin_219 Start: 149722, Stop: 150024, Start Num: 10
Candidate Starts for Atuin_219:
(Start: 10 @149722 has 6 MA's), (14, 149791), (15, 149845), (16, 149866),

Gene: BooTeria_218 Start: 153965, Stop: 154249, Start Num: 10
Candidate Starts for BooTeria_218:
(7, 153953), (Start: 10 @153965 has 6 MA's), (12, 153977),

Gene: DunneganBoMo_219 Start: 153071, Stop: 153355, Start Num: 10
Candidate Starts for DunneganBoMo_219:

(7, 153059), (Start: 10 @153071 has 6 MA's), (18, 153236),

Gene: Emmetator_221 Start: 152589, Stop: 152885, Start Num: 7
Candidate Starts for Emmetator_221:
(1, 152481), (7, 152589), (Start: 10 @152601 has 6 MA's), (12, 152613),

Gene: KSunshine22_224 Start: 152108, Stop: 152404, Start Num: 7
Candidate Starts for KSunshine22_224:
(1, 152000), (7, 152108), (Start: 10 @152120 has 6 MA's), (17, 152282), (21, 152345),

Gene: Laure_218 Start: 134525, Stop: 134899, Start Num: 3
Candidate Starts for Laure_218:
(2, 134519), (3, 134525), (4, 134540), (5, 134543), (8, 134597), (22, 134852),

Gene: Panchaali_218 Start: 153536, Stop: 153820, Start Num: 10
Candidate Starts for Panchaali_218:
(7, 153524), (Start: 10 @153536 has 6 MA's), (18, 153701), (20, 153737),

Gene: Stewart25555_221 Start: 151258, Stop: 151551, Start Num: 11
Candidate Starts for Stewart25555_221:
(6, 151174), (11, 151258), (14, 151330), (17, 151423), (24, 151534),

Gene: WaddleDee_215 Start: 151896, Stop: 152180, Start Num: 10
Candidate Starts for WaddleDee_215:
(7, 151884), (Start: 10 @151896 has 6 MA's), (18, 152061),

Gene: Yappy_102 Start: 52288, Stop: 51998, Start Num: 9
Candidate Starts for Yappy_102:
(Start: 9 @52288 has 1 MA's), (13, 52225), (19, 52111), (23, 52027),