Pham 348128


4
5
7
13
16
20
28
32
1: Bern_83 + 1
4
7
8
14
16
19
22
26
27
30
31
2: Yunkel11_86
3
4
6
10
11
18
25
29
3: Kratio_76 + 1
3
4
6
10
11
18
25
29
4: InvictusManeo_71
4
6
10
11
15
18
25
29
5: ViviJ_79 + 1
4
6
10
11
18
25
29
6: Collard_71 + 2
4
6
10
12
18
7: Thyatira_76 + 1
1
2
4
7
8: Yuna_83
1
2
4
7
9
16
17
21
23
24
9: Marshawn_80

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 348128 Report

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

Pham number 348128 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Bern_83, Kheparia_82
• Track 2 : Yunkel11_86
• Track 3 : Kratio_76, Agent47_73
• Track 4 : InvictusManeo_71
• Track 5 : ViviJ_79, LilDirt_72
• Track 6 : Collard_71, BananenDer11_73, DoubleChamp_70
• Track 7 : Thyatira_76, Waterfoul_75
• Track 8 : Yuna_83
• Track 9 : Marshawn_80

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

The start number called the most often in the published annotations is 4, it was called in 10 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agent47_73, BananenDer11_73, Bern_83, Collard_71, DoubleChamp_70, Kheparia_82, Kratio_76, LilDirt_72, Thyatira_76, ViviJ_79, Waterfoul_75, Yunkel11_86,

Genes that have the "Most Annotated" start but do not call it:
• InvictusManeo_71, Marshawn_80, Yuna_83,

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

Summary by start number:

Start 1:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Marshawn_80 (K6), Yuna_83 (K6),

Start 3:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 33.3% of time when present
• Phage (with cluster) where this start called: InvictusManeo_71 (K5),

Start 4:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 13
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Agent47_73 (K5), BananenDer11_73 (K5), Bern_83 (K1), Collard_71 (K5), DoubleChamp_70 (K5), Kheparia_82 (K1), Kratio_76 (K5), LilDirt_72 (K5), Thyatira_76 (K5), ViviJ_79 (K5), Waterfoul_75 (K5), Yunkel11_86 (K1),

Summary by clusters:

There are 3 clusters represented in this pham: K1, K6, K5,

Info for manual annotations of cluster K1:
•Start number 4 was manually annotated 2 times for cluster K1.

Info for manual annotations of cluster K5:
•Start number 3 was manually annotated 1 time for cluster K5.
•Start number 4 was manually annotated 8 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 1 was manually annotated 2 times for cluster K6.

Gene Information:

Gene: Agent47_73 Start: 49176, Stop: 49535, Start Num: 4
Candidate Starts for Agent47_73:
(Start: 3 @49173 has 1 MA's), (Start: 4 @49176 has 10 MA's), (6, 49221), (10, 49344), (11, 49347), (18, 49431), (25, 49485), (29, 49527),

Gene: BananenDer11_73 Start: 49137, Stop: 49496, Start Num: 4
Candidate Starts for BananenDer11_73:
(Start: 4 @49137 has 10 MA's), (6, 49182), (10, 49305), (11, 49308), (18, 49392), (25, 49446), (29, 49488),

Gene: Bern_83 Start: 51564, Stop: 51989, Start Num: 4
Candidate Starts for Bern_83:
(Start: 4 @51564 has 10 MA's), (5, 51576), (7, 51627), (13, 51783), (16, 51807), (20, 51834), (28, 51909), (32, 51969),

Gene: Collard_71 Start: 49137, Stop: 49496, Start Num: 4
Candidate Starts for Collard_71:
(Start: 4 @49137 has 10 MA's), (6, 49182), (10, 49305), (11, 49308), (18, 49392), (25, 49446), (29, 49488),

Gene: DoubleChamp_70 Start: 49137, Stop: 49496, Start Num: 4
Candidate Starts for DoubleChamp_70:
(Start: 4 @49137 has 10 MA's), (6, 49182), (10, 49305), (11, 49308), (18, 49392), (25, 49446), (29, 49488),

Gene: InvictusManeo_71 Start: 49177, Stop: 49539, Start Num: 3
Candidate Starts for InvictusManeo_71:
(Start: 3 @49177 has 1 MA's), (Start: 4 @49180 has 10 MA's), (6, 49225), (10, 49348), (11, 49351), (18, 49435), (25, 49489), (29, 49531),

Gene: Kheparia_82 Start: 50125, Stop: 50550, Start Num: 4
Candidate Starts for Kheparia_82:
(Start: 4 @50125 has 10 MA's), (5, 50137), (7, 50188), (13, 50344), (16, 50368), (20, 50395), (28, 50470), (32, 50530),

Gene: Kratio_76 Start: 50738, Stop: 51097, Start Num: 4
Candidate Starts for Kratio_76:
(Start: 3 @50735 has 1 MA's), (Start: 4 @50738 has 10 MA's), (6, 50783), (10, 50906), (11, 50909), (18, 50993), (25, 51047), (29, 51089),

Gene: LilDirt_72 Start: 48938, Stop: 49297, Start Num: 4
Candidate Starts for LilDirt_72:
(Start: 4 @48938 has 10 MA's), (6, 48983), (10, 49106), (11, 49109), (15, 49172), (18, 49193), (25, 49247), (29, 49289),

Gene: Marshawn_80 Start: 53367, Stop: 53762, Start Num: 1
Candidate Starts for Marshawn_80:
(Start: 1 @53367 has 2 MA's), (2, 53406), (Start: 4 @53415 has 10 MA's), (7, 53481), (9, 53580), (16, 53661), (17, 53676), (21, 53694), (23, 53715), (24, 53727),

Gene: Thyatira_76 Start: 53221, Stop: 53565, Start Num: 4
Candidate Starts for Thyatira_76:
(Start: 4 @53221 has 10 MA's), (6, 53266), (10, 53374), (12, 53404), (18, 53461),

Gene: ViviJ_79 Start: 51225, Stop: 51584, Start Num: 4
Candidate Starts for ViviJ_79:
(Start: 4 @51225 has 10 MA's), (6, 51270), (10, 51393), (11, 51396), (15, 51459), (18, 51480), (25, 51534), (29, 51576),

Gene: Waterfoul_75 Start: 51291, Stop: 51635, Start Num: 4
Candidate Starts for Waterfoul_75:
(Start: 4 @51291 has 10 MA's), (6, 51336), (10, 51444), (12, 51474), (18, 51531),

Gene: Yuna_83 Start: 54192, Stop: 54572, Start Num: 1
Candidate Starts for Yuna_83:
(Start: 1 @54192 has 2 MA's), (2, 54234), (Start: 4 @54243 has 10 MA's), (7, 54309),

Gene: Yunkel11_86 Start: 52988, Stop: 53380, Start Num: 4
Candidate Starts for Yunkel11_86:
(Start: 4 @52988 has 10 MA's), (7, 53051), (8, 53072), (14, 53222), (16, 53231), (19, 53249), (22, 53282), (26, 53318), (27, 53336), (30, 53351), (31, 53372),