Pham 348146


5
8
26
33
36
1: SFuller_57
1
5
8
18
26
29
33
2: Jflix2_58
16
22
25
34
3: Jflix2_77
3
5
8
20
36
4: Madraxi_61
16
17
19
25
5: Madraxi_81
2
16
22
25
34
6: SFuller_76
7
9
14
15
30
32
35
7: Nova53_268
10
12
23
24
31
8: Francesca_268 + 1
4
11
13
22
27
33
9: Fryberger_106 + 4
6
21
28
10: Sleepyhead_43

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 348146 Report

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

Pham number 348146 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : SFuller_57
• Track 2 : Jflix2_58
• Track 3 : Jflix2_77
• Track 4 : Madraxi_61
• Track 5 : Madraxi_81
• Track 6 : SFuller_76
• Track 7 : Nova53_268
• Track 8 : Francesca_268, Dorin_268
• Track 9 : Fryberger_106, Volt_110, Guey18_111, Ziko_109, Ronaldo_108
• Track 10 : Sleepyhead_43

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

The start number called the most often in the published annotations is 13, it was called in 5 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fryberger_106, Guey18_111, Ronaldo_108, Volt_110, Ziko_109,

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

Genes that do not have the "Most Annotated" start:
• Dorin_268, Francesca_268, Jflix2_58, Jflix2_77, Madraxi_61, Madraxi_81, Nova53_268, SFuller_57, SFuller_76, Sleepyhead_43,

Summary by start number:

Start 6:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sleepyhead_43 (singleton),

Start 8:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jflix2_58 (CF), Madraxi_61 (CF), SFuller_57 (CF),

Start 9:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nova53_268 (CG),

Start 10:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_268 (CG), Francesca_268 (CG),

Start 13:
• Found in 5 of 15 (33.3%) of genes in pham
• Manual Annotations of this start: 5 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_106 (DP), Guey18_111 (DP), Ronaldo_108 (DP), Volt_110 (DP), Ziko_109 (DP),

Start 16:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jflix2_77 (CF), Madraxi_81 (CF), SFuller_76 (CF),

Summary by clusters:

There are 4 clusters represented in this pham: singleton, CG, CF, DP,

Info for manual annotations of cluster CF:
•Start number 8 was manually annotated 3 times for cluster CF.
•Start number 16 was manually annotated 3 times for cluster CF.

Info for manual annotations of cluster CG:
•Start number 9 was manually annotated 1 time for cluster CG.
•Start number 10 was manually annotated 2 times for cluster CG.

Info for manual annotations of cluster DP:
•Start number 13 was manually annotated 5 times for cluster DP.

Gene Information:

Gene: Dorin_268 Start: 130231, Stop: 130557, Start Num: 10

Candidate Starts for Dorin_268:
(Start: 10 @130231 has 2 MA's), (12, 130246), (23, 130429), (24, 130438), (31, 130507),

Gene: Francesca_268 Start: 130873, Stop: 131199, Start Num: 10
Candidate Starts for Francesca_268:
(Start: 10 @130873 has 2 MA's), (12, 130888), (23, 131071), (24, 131080), (31, 131149),

Gene: Fryberger_106 Start: 52384, Stop: 52698, Start Num: 13
Candidate Starts for Fryberger_106:
(4, 52294), (11, 52369), (Start: 13 @52384 has 5 MA's), (22, 52540), (27, 52609), (33, 52672),

Gene: Guey18_111 Start: 53707, Stop: 54021, Start Num: 13
Candidate Starts for Guey18_111:
(4, 53617), (11, 53692), (Start: 13 @53707 has 5 MA's), (22, 53863), (27, 53932), (33, 53995),

Gene: Jflix2_58 Start: 39721, Stop: 40101, Start Num: 8
Candidate Starts for Jflix2_58:
(1, 39397), (5, 39709), (Start: 8 @39721 has 3 MA's), (18, 39814), (26, 39979), (29, 40024), (33, 40069),

Gene: Jflix2_77 Start: 46906, Stop: 47172, Start Num: 16
Candidate Starts for Jflix2_77:
(Start: 16 @46906 has 3 MA's), (22, 47026), (25, 47071), (34, 47149),

Gene: Madraxi_61 Start: 42224, Stop: 42604, Start Num: 8
Candidate Starts for Madraxi_61:
(3, 42083), (5, 42212), (Start: 8 @42224 has 3 MA's), (20, 42407), (36, 42590),

Gene: Madraxi_81 Start: 49694, Stop: 49978, Start Num: 16
Candidate Starts for Madraxi_81:
(Start: 16 @49694 has 3 MA's), (17, 49712), (19, 49793), (25, 49856),

Gene: Nova53_268 Start: 131044, Stop: 131379, Start Num: 9
Candidate Starts for Nova53_268:
(7, 131032), (Start: 9 @131044 has 1 MA's), (14, 131089), (15, 131092), (30, 131320), (32, 131329), (35, 131359),

Gene: Ronaldo_108 Start: 53289, Stop: 53603, Start Num: 13
Candidate Starts for Ronaldo_108:
(4, 53199), (11, 53274), (Start: 13 @53289 has 5 MA's), (22, 53445), (27, 53514), (33, 53577),

Gene: SFuller_57 Start: 39913, Stop: 40293, Start Num: 8
Candidate Starts for SFuller_57:
(5, 39901), (Start: 8 @39913 has 3 MA's), (26, 40171), (33, 40261), (36, 40279),

Gene: SFuller_76 Start: 47105, Stop: 47371, Start Num: 16
Candidate Starts for SFuller_76:
(2, 46754), (Start: 16 @47105 has 3 MA's), (22, 47225), (25, 47270), (34, 47348),

Gene: Sleepyhead_43 Start: 31028, Stop: 31363, Start Num: 6
Candidate Starts for Sleepyhead_43:
(Start: 6 @31028 has 1 MA's), (21, 31199), (28, 31295),

Gene: Volt_110 Start: 53453, Stop: 53767, Start Num: 13
Candidate Starts for Volt_110:
(4, 53363), (11, 53438), (Start: 13 @53453 has 5 MA's), (22, 53609), (27, 53678), (33, 53741),

Gene: Ziko_109 Start: 53295, Stop: 53609, Start Num: 13
Candidate Starts for Ziko_109:
(4, 53205), (11, 53280), (Start: 13 @53295 has 5 MA's), (22, 53451), (27, 53520), (33, 53583),