Pham 342707


1
2
3
4
5
6
7
18
20
21
24
26
27
1: Kinny_78
1
2
3
4
5
6
7
18
20
21
24
26
27
2: Biscute_75 + 2
8
11
15
19
23
3: Remlit_81 + 1
9
10
12
13
14
22
25
26
27
28
29
4: Qui_235 + 1
9
10
12
13
14
16
17
22
25
26
27
28
29
5: JeNeSaisPas_236 + 1
9
10
12
13
14
25
26
27
28
6: Gandionco_234 + 1
9
10
12
13
14
22
25
26
27
28
7: Paella_236

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 342707 Report

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

Pham number 342707 has 13 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Kinny_78
• Track 2 : Biscute_75, BarbieDoll_79, Muglass_76
• Track 3 : Remlit_81, Phaila_75
• Track 4 : Qui_235, Elver_234
• Track 5 : JeNeSaisPas_236, Kureo_231
• Track 6 : Gandionco_234, Marianna39_234
• Track 7 : Paella_236

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Elver_234, Gandionco_234, JeNeSaisPas_236, Kureo_231, Marianna39_234, Paella_236, Qui_235,

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

Genes that do not have the "Most Annotated" start:
• BarbieDoll_79, Biscute_75, Kinny_78, Muglass_76, Phaila_75, Remlit_81,

Summary by start number:

Start 6:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Kinny_78 (AU6),

Start 7:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 2 of 8

• Called 75.0% of time when present
• Phage (with cluster) where this start called: BarbieDoll_79 (AU6), Biscute_75 (AU6), Muglass_76 (AU6),

Start 8:
• Found in 2 of 13 (15.4%) 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: Phaila_75 (AU6), Remlit_81 (AU6),

Start 9:
• Found in 7 of 13 (53.8%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elver_234 (FK), Gandionco_234 (FK), JeNeSaisPas_236 (FK), Kureo_231 (FK), Marianna39_234 (FK), Paella_236 (FK), Qui_235 (FK),

Summary by clusters:

There are 2 clusters represented in this pham: FK, AU6,

Info for manual annotations of cluster AU6:
•Start number 6 was manually annotated 1 time for cluster AU6.
•Start number 7 was manually annotated 2 times for cluster AU6.
•Start number 8 was manually annotated 1 time for cluster AU6.

Info for manual annotations of cluster FK:
•Start number 9 was manually annotated 4 times for cluster FK.

Gene Information:

Gene: BarbieDoll_79 Start: 46967, Stop: 47353, Start Num: 7
Candidate Starts for BarbieDoll_79:
(1, 46850), (2, 46883), (3, 46907), (4, 46931), (5, 46937), (Start: 6 @46961 has 1 MA's), (Start: 7 @46967 has 2 MA's), (18, 47123), (20, 47180), (21, 47186), (24, 47288), (26, 47306), (27, 47309),

Gene: Biscute_75 Start: 46619, Stop: 47005, Start Num: 7
Candidate Starts for Biscute_75:
(1, 46502), (2, 46535), (3, 46559), (4, 46583), (5, 46589), (Start: 6 @46613 has 1 MA's), (Start: 7 @46619 has 2 MA's), (18, 46775), (20, 46832), (21, 46838), (24, 46940), (26, 46958), (27, 46961),

Gene: Elver_234 Start: 105232, Stop: 105573, Start Num: 9
Candidate Starts for Elver_234:
(Start: 9 @105232 has 4 MA's), (10, 105238), (12, 105250), (13, 105271), (14, 105295), (22, 105445), (25, 105517), (26, 105529), (27, 105532), (28, 105550), (29, 105559),

Gene: Gandionco_234 Start: 104979, Stop: 105320, Start Num: 9
Candidate Starts for Gandionco_234:
(Start: 9 @104979 has 4 MA's), (10, 104985), (12, 104997), (13, 105018), (14, 105042), (25, 105264), (26, 105276), (27, 105279), (28, 105297),

Gene: JeNeSaisPas_236 Start: 104989, Stop: 105330, Start Num: 9
Candidate Starts for JeNeSaisPas_236:
(Start: 9 @104989 has 4 MA's), (10, 104995), (12, 105007), (13, 105028), (14, 105052), (16, 105106), (17, 105109), (22, 105202), (25, 105274), (26, 105286), (27, 105289), (28, 105307), (29, 105316),

Gene: Kinny_78 Start: 47440, Stop: 47832, Start Num: 6
Candidate Starts for Kinny_78:
(1, 47329), (2, 47362), (3, 47386), (4, 47410), (5, 47416), (Start: 6 @47440 has 1 MA's), (Start: 7 @47446 has 2 MA's), (18, 47602), (20, 47659), (21, 47665), (24, 47767), (26, 47785), (27, 47788),

Gene: Kureo_231 Start: 103570, Stop: 103911, Start Num: 9
Candidate Starts for Kureo_231:
(Start: 9 @103570 has 4 MA's), (10, 103576), (12, 103588), (13, 103609), (14, 103633), (16, 103687), (17, 103690), (22, 103783), (25, 103855), (26, 103867), (27, 103870), (28, 103888), (29, 103897),

Gene: Marianna39_234 Start: 105582, Stop: 105923, Start Num: 9
Candidate Starts for Marianna39_234:
(Start: 9 @105582 has 4 MA's), (10, 105588), (12, 105600), (13, 105621), (14, 105645), (25, 105867), (26, 105879), (27, 105882), (28, 105900),

Gene: Muglass_76 Start: 46523, Stop: 46909, Start Num: 7
Candidate Starts for Muglass_76:
(1, 46406), (2, 46439), (3, 46463), (4, 46487), (5, 46493), (Start: 6 @46517 has 1 MA's), (Start: 7 @46523 has 2 MA's), (18, 46679), (20, 46736), (21, 46742), (24, 46844), (26, 46862), (27, 46865),

Gene: Paella_236 Start: 106369, Stop: 106710, Start Num: 9
Candidate Starts for Paella_236:
(Start: 9 @106369 has 4 MA's), (10, 106375), (12, 106387), (13, 106408), (14, 106432), (22, 106582), (25, 106654), (26, 106666), (27, 106669), (28, 106687),

Gene: Phaila_75 Start: 45437, Stop: 45721, Start Num: 8
Candidate Starts for Phaila_75:
(Start: 8 @45437 has 1 MA's), (11, 45467), (15, 45560), (19, 45578), (23, 45683),

Gene: Qui_235 Start: 106357, Stop: 106698, Start Num: 9
Candidate Starts for Qui_235:
(Start: 9 @106357 has 4 MA's), (10, 106363), (12, 106375), (13, 106396), (14, 106420), (22, 106570), (25, 106642), (26, 106654), (27, 106657), (28, 106675), (29, 106684),

Gene: Remlit_81 Start: 46177, Stop: 46461, Start Num: 8
Candidate Starts for Remlit_81:
(Start: 8 @46177 has 1 MA's), (11, 46207), (15, 46300), (19, 46318), (23, 46423),