Pham 348007


1: Puppers_61
2: Widow_61
3: Sour_66
4: NHagos_65
5: MenE_5
6: Guzman_4 + 4
7: Jakelyne_5 + 5
8: Dropshot_4 + 1
9: Phonegingi_4
10: Appa_4
11: Warren_5
12: Blett_5
13: Phingu_5

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 348007 Report

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

Pham number 348007 has 23 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Puppers_61
• Track 2 : Widow_61
• Track 3 : Sour_66
• Track 4 : NHagos_65
• Track 5 : MenE_5
• Track 6 : Guzman_4, Antuna_4, PhillyJawn_4, Carrillo_4, Winchester007_4
• Track 7 : Jakelyne_5, Mariel_5, NCRodriguez_5, CookieDog_5, Losacky_5, Bush_5
• Track 8 : Dropshot_4, Violeta_4
• Track 9 : Phonegingi_4
• Track 10 : Appa_4
• Track 11 : Warren_5
• Track 12 : Blett_5
• Track 13 : Phingu_5

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

The start number called the most often in the published annotations is 12, it was called in 12 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Antuna_4, Blett_5, Bush_5, Carrillo_4, CookieDog_5, Guzman_4, Jakelyne_5, Losacky_5, Mariel_5, MenE_5, NCRodriguez_5, PhillyJawn_4, Warren_5, Winchester007_4,

Genes that have the "Most Annotated" start but do not call it:
• Appa_4, Dropshot_4, Phingu_5, Violeta_4,

Genes that do not have the "Most Annotated" start:
• NHagos_65, Phonegingi_4, Puppers_61, Sour_66, Widow_61,

Summary by start number:

Start 8:
• Found in 8 of 23 (34.8%) of genes in pham

• Manual Annotations of this start: 2 of 20
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Dropshot_4 (GA), Violeta_4 (GA),

Start 9:
• Found in 10 of 23 (43.5%) of genes in pham
• No Manual Annotations of this start.
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Phingu_5 (GA),

Start 10:
• Found in 9 of 23 (39.1%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 22.2% of time when present
• Phage (with cluster) where this start called: Appa_4 (GA), Phonegingi_4 (GA),

Start 11:
• Found in 2 of 23 (8.7%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NHagos_65 (DR), Sour_66 (DR),

Start 12:
• Found in 18 of 23 (78.3%) of genes in pham
• Manual Annotations of this start: 12 of 20
• Called 77.8% of time when present
• Phage (with cluster) where this start called: Antuna_4 (GA), Blett_5 (GA), Bush_5 (GA), Carrillo_4 (GA), CookieDog_5 (GA), Guzman_4 (GA), Jakelyne_5 (GA), Losacky_5 (GA), Mariel_5 (GA), MenE_5 (GA), NCRodriguez_5 (GA), PhillyJawn_4 (GA), Warren_5 (GA), Winchester007_4 (GA),

Start 13:
• Found in 2 of 23 (8.7%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Puppers_61 (CD), Widow_61 (CD),

Summary by clusters:

There are 3 clusters represented in this pham: DR, GA, CD,

Info for manual annotations of cluster CD:
•Start number 13 was manually annotated 2 times for cluster CD.

Info for manual annotations of cluster DR:
•Start number 11 was manually annotated 2 times for cluster DR.

Info for manual annotations of cluster GA:
•Start number 8 was manually annotated 2 times for cluster GA.
•Start number 10 was manually annotated 2 times for cluster GA.
•Start number 12 was manually annotated 12 times for cluster GA.

Gene Information:

Gene: Antuna_4 Start: 880, Stop: 993, Start Num: 12
Candidate Starts for Antuna_4:
(Start: 8 @859 has 2 MA's), (Start: 10 @865 has 2 MA's), (Start: 12 @880 has 12 MA's), (20, 982),

Gene: Appa_4 Start: 883, Stop: 1011, Start Num: 10
Candidate Starts for Appa_4:
(Start: 8 @877 has 2 MA's), (Start: 10 @883 has 2 MA's), (Start: 12 @898 has 12 MA's), (20, 1000),

Gene: Blett_5 Start: 1053, Stop: 1166, Start Num: 12
Candidate Starts for Blett_5:
(1, 759), (2, 771), (6, 990), (9, 1035), (Start: 12 @1053 has 12 MA's), (20, 1155),

Gene: Bush_5 Start: 1059, Stop: 1172, Start Num: 12
Candidate Starts for Bush_5:
(1, 765), (6, 996), (9, 1041), (Start: 12 @1059 has 12 MA's), (20, 1161),

Gene: Carrillo_4 Start: 892, Stop: 1005, Start Num: 12
Candidate Starts for Carrillo_4:
(Start: 8 @871 has 2 MA's), (Start: 10 @877 has 2 MA's), (Start: 12 @892 has 12 MA's), (20, 994),

Gene: CookieDog_5 Start: 1059, Stop: 1172, Start Num: 12
Candidate Starts for CookieDog_5:
(1, 765), (6, 996), (9, 1041), (Start: 12 @1059 has 12 MA's), (20, 1161),

Gene: Dropshot_4 Start: 877, Stop: 1011, Start Num: 8
Candidate Starts for Dropshot_4:
(Start: 8 @877 has 2 MA's), (Start: 10 @883 has 2 MA's), (Start: 12 @898 has 12 MA's), (20, 1000),

Gene: Guzman_4 Start: 892, Stop: 1005, Start Num: 12
Candidate Starts for Guzman_4:
(Start: 8 @871 has 2 MA's), (Start: 10 @877 has 2 MA's), (Start: 12 @892 has 12 MA's), (20, 994),

Gene: Jakelyne_5 Start: 1053, Stop: 1166, Start Num: 12
Candidate Starts for Jakelyne_5:
(1, 759), (6, 990), (9, 1035), (Start: 12 @1053 has 12 MA's), (20, 1155),

Gene: Losacky_5 Start: 1050, Stop: 1163, Start Num: 12
Candidate Starts for Losacky_5:
(1, 756), (6, 987), (9, 1032), (Start: 12 @1050 has 12 MA's), (20, 1152),

Gene: Mariel_5 Start: 1059, Stop: 1172, Start Num: 12
Candidate Starts for Mariel_5:
(1, 765), (6, 996), (9, 1041), (Start: 12 @1059 has 12 MA's), (20, 1161),

Gene: MenE_5 Start: 1059, Stop: 1172, Start Num: 12
Candidate Starts for MenE_5:
(6, 996), (9, 1041), (Start: 12 @1059 has 12 MA's), (20, 1161),

Gene: NCRodriguez_5 Start: 1062, Stop: 1175, Start Num: 12
Candidate Starts for NCRodriguez_5:
(1, 768), (6, 999), (9, 1044), (Start: 12 @1062 has 12 MA's), (20, 1164),

Gene: NHagos_65 Start: 52079, Stop: 52204, Start Num: 11
Candidate Starts for NHagos_65:
(7, 52037), (Start: 11 @52079 has 2 MA's), (14, 52097),

Gene: PhillyJawn_4 Start: 898, Stop: 1011, Start Num: 12
Candidate Starts for PhillyJawn_4:
(Start: 8 @877 has 2 MA's), (Start: 10 @883 has 2 MA's), (Start: 12 @898 has 12 MA's), (20, 1000),

Gene: Phingu_5 Start: 1044, Stop: 1175, Start Num: 9
Candidate Starts for Phingu_5:
(1, 768), (6, 999), (9, 1044), (Start: 12 @1062 has 12 MA's), (20, 1164),

Gene: Phonegingi_4 Start: 872, Stop: 1000, Start Num: 10
Candidate Starts for Phonegingi_4:
(Start: 10 @872 has 2 MA's), (19, 917), (20, 989),

Gene: Puppers_61 Start: 41680, Stop: 41793, Start Num: 13
Candidate Starts for Puppers_61:
(3, 41518), (4, 41533), (5, 41575), (Start: 13 @41680 has 2 MA's), (17, 41692), (18, 41695), (21, 41788),

Gene: Sour_66 Start: 54996, Stop: 55142, Start Num: 11
Candidate Starts for Sour_66:
(Start: 11 @54996 has 2 MA's), (16, 55020), (22, 55128), (23, 55131),

Gene: Violeta_4 Start: 868, Stop: 1002, Start Num: 8
Candidate Starts for Violeta_4:
(Start: 8 @868 has 2 MA's), (Start: 10 @874 has 2 MA's), (Start: 12 @889 has 12 MA's), (20, 991),

Gene: Warren_5 Start: 1062, Stop: 1190, Start Num: 12
Candidate Starts for Warren_5:
(1, 768), (6, 999), (9, 1044), (Start: 12 @1062 has 12 MA's), (15, 1077), (20, 1179),

Gene: Widow_61 Start: 42226, Stop: 42339, Start Num: 13
Candidate Starts for Widow_61:
(3, 42064), (4, 42079), (5, 42121), (Start: 13 @42226 has 2 MA's), (18, 42241), (21, 42334),

Gene: Winchester007_4 Start: 898, Stop: 1011, Start Num: 12
Candidate Starts for Winchester007_4:
(Start: 8 @877 has 2 MA's), (Start: 10 @883 has 2 MA's), (Start: 12 @898 has 12 MA's), (20, 1000),