Pham 295054


1: AbbyDaisy_84
2: Persistence_75
3: Mariel_46
4: Winchester007_59 + 3
5: Phingu_46 + 3
6: Phonegingi_43
7: Losacky_44 + 2
8: Violeta_45 + 2
9: ScoobySnack_40
10: Pickles13_42
11: Warren_43
12: MenE_44 + 1

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 295054 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295054 has 23 members, 10 are drafts.

Phages represented in each track:
• Track 1 : AbbyDaisy_84
• Track 2 : Persistence_75
• Track 3 : Mariel_46
• Track 4 : Winchester007_59, Appa_43, PhillyJawn_44, Dropshot_43
• Track 5 : Phingu_46, Blett_43, Bush_44, NCRodriguez_45
• Track 6 : Phonegingi_43
• Track 7 : Losacky_44, Jakelyne_46, Guzman_43
• Track 8 : Violeta_45, Carrillo_45, CookieDog_43
• Track 9 : ScoobySnack_40
• Track 10 : Pickles13_42
• Track 11 : Warren_43
• Track 12 : MenE_44, Antuna_44

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 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Antuna_44, Appa_43, Blett_43, Bush_44, Carrillo_45, CookieDog_43, Dropshot_43, Guzman_43, Jakelyne_46, Losacky_44, Mariel_46, MenE_44, NCRodriguez_45, Persistence_75, PhillyJawn_44, Phingu_46, Phonegingi_43, Pickles13_42, ScoobySnack_40, Violeta_45, Warren_43, Winchester007_59,

Genes that have the "Most Annotated" start but do not call it:
• AbbyDaisy_84,

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

Summary by start number:

Start 4:
• Found in 23 of 23 (100.0%) of genes in pham

• Manual Annotations of this start: 12 of 13
• Called 95.7% of time when present
• Phage (with cluster) where this start called: Antuna_44 (GA), Appa_43 (GA), Blett_43 (GA), Bush_44 (GA), Carrillo_45 (GA), CookieDog_43 (GA), Dropshot_43 (GA), Guzman_43 (GA), Jakelyne_46 (GA), Losacky_44 (GA), Mariel_46 (GA), MenE_44 (GA), NCRodriguez_45 (GA), Persistence_75 (AY), PhillyJawn_44 (GA), Phingu_46 (GA), Phonegingi_43 (GA), Pickles13_42 (GA), ScoobySnack_40 (GA), Violeta_45 (GA), Warren_43 (GA), Winchester007_59 (GA),

Start 5:
• Found in 1 of 23 (4.3%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_84 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, GA,

Info for manual annotations of cluster AY:
•Start number 4 was manually annotated 1 time for cluster AY.
•Start number 5 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster GA:
•Start number 4 was manually annotated 11 times for cluster GA.

Gene Information:

Gene: AbbyDaisy_84 Start: 48452, Stop: 48808, Start Num: 5
Candidate Starts for AbbyDaisy_84:
(Start: 4 @48449 has 12 MA's), (Start: 5 @48452 has 1 MA's), (10, 48572), (11, 48617), (12, 48659), (13, 48725),

Gene: Antuna_44 Start: 26934, Stop: 27266, Start Num: 4
Candidate Starts for Antuna_44:
(Start: 4 @26934 has 12 MA's), (6, 26955), (7, 27036), (8, 27039),

Gene: Appa_43 Start: 26832, Stop: 27176, Start Num: 4
Candidate Starts for Appa_43:
(2, 26721), (Start: 4 @26832 has 12 MA's), (6, 26853), (8, 26937), (14, 27120), (16, 27141),

Gene: Blett_43 Start: 27033, Stop: 27371, Start Num: 4
Candidate Starts for Blett_43:
(2, 26922), (Start: 4 @27033 has 12 MA's), (6, 27054), (7, 27135), (8, 27138), (15, 27321),

Gene: Bush_44 Start: 26981, Stop: 27319, Start Num: 4
Candidate Starts for Bush_44:
(2, 26870), (Start: 4 @26981 has 12 MA's), (6, 27002), (7, 27083), (8, 27086), (15, 27269),

Gene: Carrillo_45 Start: 26954, Stop: 27292, Start Num: 4
Candidate Starts for Carrillo_45:

(Start: 4 @26954 has 12 MA's), (6, 26975), (7, 27056), (8, 27059), (15, 27242),

Gene: CookieDog_43 Start: 26954, Stop: 27292, Start Num: 4
Candidate Starts for CookieDog_43:
(Start: 4 @26954 has 12 MA's), (6, 26975), (7, 27056), (8, 27059), (15, 27242),

Gene: Dropshot_43 Start: 26667, Stop: 27011, Start Num: 4
Candidate Starts for Dropshot_43:
(2, 26556), (Start: 4 @26667 has 12 MA's), (6, 26688), (8, 26772), (14, 26955), (16, 26976),

Gene: Guzman_43 Start: 26931, Stop: 27275, Start Num: 4
Candidate Starts for Guzman_43:
(Start: 4 @26931 has 12 MA's), (6, 26952), (8, 27036), (14, 27219), (16, 27240),

Gene: Jakelyne_46 Start: 27042, Stop: 27386, Start Num: 4
Candidate Starts for Jakelyne_46:
(Start: 4 @27042 has 12 MA's), (6, 27063), (8, 27147), (14, 27330), (16, 27351),

Gene: Losacky_44 Start: 27052, Stop: 27396, Start Num: 4
Candidate Starts for Losacky_44:
(Start: 4 @27052 has 12 MA's), (6, 27073), (8, 27157), (14, 27340), (16, 27361),

Gene: Mariel_46 Start: 27425, Stop: 27757, Start Num: 4
Candidate Starts for Mariel_46:
(2, 27314), (Start: 4 @27425 has 12 MA's), (6, 27446), (7, 27527), (8, 27530),

Gene: MenE_44 Start: 26956, Stop: 27288, Start Num: 4
Candidate Starts for MenE_44:
(Start: 4 @26956 has 12 MA's), (6, 26977), (7, 27058), (8, 27061),

Gene: NCRodriguez_45 Start: 27175, Stop: 27513, Start Num: 4
Candidate Starts for NCRodriguez_45:
(2, 27064), (Start: 4 @27175 has 12 MA's), (6, 27196), (7, 27277), (8, 27280), (15, 27463),

Gene: Persistence_75 Start: 44425, Stop: 44784, Start Num: 4
Candidate Starts for Persistence_75:
(3, 44362), (Start: 4 @44425 has 12 MA's), (9, 44542), (10, 44548), (11, 44593), (12, 44635), (13, 44701),

Gene: PhillyJawn_44 Start: 26829, Stop: 27173, Start Num: 4
Candidate Starts for PhillyJawn_44:
(2, 26718), (Start: 4 @26829 has 12 MA's), (6, 26850), (8, 26934), (14, 27117), (16, 27138),

Gene: Phingu_46 Start: 27066, Stop: 27404, Start Num: 4
Candidate Starts for Phingu_46:
(2, 26955), (Start: 4 @27066 has 12 MA's), (6, 27087), (7, 27168), (8, 27171), (15, 27354),

Gene: Phonegingi_43 Start: 26878, Stop: 27222, Start Num: 4
Candidate Starts for Phonegingi_43:
(1, 26605), (2, 26767), (Start: 4 @26878 has 12 MA's), (6, 26899), (8, 26983), (14, 27166), (16, 27187),

Gene: Pickles13_42 Start: 27142, Stop: 27486, Start Num: 4
Candidate Starts for Pickles13_42:

(Start: 4 @27142 has 12 MA's), (6, 27163), (8, 27247), (14, 27430), (16, 27451),

Gene: ScoobySnack_40 Start: 26668, Stop: 26985, Start Num: 4
Candidate Starts for ScoobySnack_40:
(2, 26557), (Start: 4 @26668 has 12 MA's), (6, 26689), (8, 26773),

Gene: Violeta_45 Start: 26945, Stop: 27283, Start Num: 4
Candidate Starts for Violeta_45:
(Start: 4 @26945 has 12 MA's), (6, 26966), (7, 27047), (8, 27050), (15, 27233),

Gene: Warren_43 Start: 26888, Stop: 27232, Start Num: 4
Candidate Starts for Warren_43:
(2, 26777), (Start: 4 @26888 has 12 MA's), (6, 26909), (7, 26990), (8, 26993), (14, 27176), (16, 27197),

Gene: Winchester007_59 Start: 32944, Stop: 33288, Start Num: 4
Candidate Starts for Winchester007_59:
(2, 32833), (Start: 4 @32944 has 12 MA's), (6, 32965), (8, 33049), (14, 33232), (16, 33253),