Pham 281098

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 281098 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281098 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : 20ES_51, First_0050, LadyBird_53, AN3_51, VA6_49
• Track 2 : Deloris_49, BengiVuitton_50
• Track 3 : Sparky_92, Farewell_93
• Track 4 : Towmatter_66
• Track 5 : Daredevil_66

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

The start number called the most often in the published annotations is 7, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 20ES_51, AN3_51, BengiVuitton_50, Deloris_49, First_0050, LadyBird_53, VA6_49,

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

Genes that do not have the "Most Annotated" start:
• Daredevil_66, Farewell_93, Sparky_92, Towmatter_66,

Summary by start number:

Start 4:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Towmatter_66 (DL),

Start 5:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Daredevil_66 (DL),

Start 6:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Farewell_93 (AF), Sparky_92 (AF),

Start 7:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 20ES_51 (A2), AN3_51 (A2), BengiVuitton_50 (A2), Deloris_49 (A2), First_0050 (A2), LadyBird_53 (A2), VA6_49 (A2),

Summary by clusters:

There are 3 clusters represented in this pham: DL, A2, AF,

Info for manual annotations of cluster A2:
•Start number 7 was manually annotated 5 times for cluster A2.

Info for manual annotations of cluster AF:
•Start number 6 was manually annotated 2 times for cluster AF.

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

Gene Information:
Gene: 20ES_51 Start: 32882, Stop: 32634, Start Num: 7
Candidate Starts for 20ES_51:
(1, 32984), (2, 32972), (Start: 7 @32882 has 5 MA's), (9, 32792), (15, 32681),

Gene: AN3_51 Start: 33253, Stop: 33005, Start Num: 7
Candidate Starts for AN3_51:
(1, 33355), (2, 33343), (Start: 7 @33253 has 5 MA's), (9, 33163), (15, 33052),

Gene: BengiVuitton_50 Start: 32835, Stop: 32587, Start Num: 7
Candidate Starts for BengiVuitton_50:
(1, 32937), (2, 32925), (Start: 7 @32835 has 5 MA's), (9, 32745), (11, 32730), (15, 32634),

Gene: Daredevil_66 Start: 49516, Stop: 49250, Start Num: 5
Candidate Starts for Daredevil_66:
(Start: 4 @49531 has 1 MA's), (Start: 5 @49516 has 1 MA's), (10, 49402), (12, 49369), (13, 49366), (15, 49303), (16, 49300),

Gene: Deloris_49 Start: 32504, Stop: 32256, Start Num: 7
Candidate Starts for Deloris_49:
(1, 32606), (2, 32594), (Start: 7 @32504 has 5 MA's), (9, 32414), (11, 32399), (15, 32303),

Gene: Farewell_93 Start: 60714, Stop: 60971, Start Num: 6
Candidate Starts for Farewell_93:
(3, 60669), (Start: 6 @60714 has 2 MA's), (8, 60732), (14, 60921), (15, 60924),

Gene: First_0050 Start: 32758, Stop: 32510, Start Num: 7
Candidate Starts for First_0050:
(1, 32860), (2, 32848), (Start: 7 @32758 has 5 MA's), (9, 32668), (15, 32557),

Gene: LadyBird_53 Start: 33193, Stop: 32945, Start Num: 7
Candidate Starts for LadyBird_53:
(1, 33295), (2, 33283), (Start: 7 @33193 has 5 MA's), (9, 33103), (15, 32992),

Gene: Sparky_92 Start: 62308, Stop: 62565, Start Num: 6
Candidate Starts for Sparky_92:
(3, 62263), (Start: 6 @62308 has 2 MA's), (8, 62326), (14, 62515), (15, 62518),

Gene: Towmatter_66 Start: 49610, Stop: 49329, Start Num: 4
Candidate Starts for Towmatter_66:
(Start: 4 @49610 has 1 MA's), (Start: 5 @49595 has 1 MA's), (10, 49481), (12, 49448), (13, 49445),
(15, 49382), (16, 49379),

Gene: VA6_49 Start: 32727, Stop: 32479, Start Num: 7
Candidate Starts for VA6_49:
(1, 32829), (2, 32817), (Start: 7 @32727 has 5 MA's), (9, 32637), (15, 32526),