Pham 291574

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 291574 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291574 has 19 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Dexers_71, Sudan_75, Conan_74, Kaine_73, Pavo_74, Celery_77, Verse_73, Alsaber_73, SunkenRoot_74, Provolone_74
• Track 2 : Amela_72, phiCAM_69, Verabelle_75
• Track 3 : Vanseggelen_78
• Track 4 : ZamZam_77, Speedwell_75
• Track 5 : Jhitchelle_73
• Track 6 : ElGato_74
• Track 7 : Saftant_71

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

The start number called the most often in the published annotations is 2, it was called in 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alsaber_73, Celery_77, Conan_74, Dexers_71, ElGato_74, Jhitchelle_73, Kaine_73, Pavo_74, Provolone_74, Speedwell_75, Sudan_75, SunkenRoot_74, Vanseggelen_78, Verse_73, ZamZam_77,

Genes that have the "Most Annotated" start but do not call it:
• Amela_72, Verabelle_75, phiCAM_69,

Genes that do not have the "Most Annotated" start:
• Saftant_71,

Summary by start number:

Start 1:
• Found in 18 of 19 (94.7%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Amela_72 (BD3), Verabelle_75 (BD3), phiCAM_69 (BD3),

Start 2:
• Found in 18 of 19 (94.7%) of genes in pham
• Manual Annotations of this start: 9 of 11
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Alsaber_73 (BD3), Celery_77 (BD3), Conan_74 (BD3), Dexers_71 (BD3), ElGato_74 (BD3), Jhitchelle_73 (BD3), Kaine_73 (BD3), Pavo_74 (BD3), Provolone_74 (BD3), Speedwell_75 (BD3), Sudan_75 (BD3), SunkenRoot_74 (BD3), Vanseggelen_78 (BD3), Verse_73 (BD3), ZamZam_77 (BD3),

Start 3:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Saftant_71 (BD3),

Summary by clusters:

There is one cluster represented in this pham: BD3

Info for manual annotations of cluster BD3:
•Start number 1 was manually annotated 1 time for cluster BD3.
•Start number 2 was manually annotated 9 times for cluster BD3.
•Start number 3 was manually annotated 1 time for cluster BD3.

Gene Information:
Gene: Alsaber_73 Start: 46481, Stop: 46338, Start Num: 2
Candidate Starts for Alsaber_73:
(Start: 1 @46490 has 1 MA's), (Start: 2 @46481 has 9 MA's),

Gene: Amela_72 Start: 47090, Stop: 46938, Start Num: 1
Candidate Starts for Amela_72:
(Start: 1 @47090 has 1 MA's), (Start: 2 @47081 has 9 MA's),

Gene: Celery_77 Start: 46135, Stop: 45992, Start Num: 2
Candidate Starts for Celery_77:
(Start: 1 @46144 has 1 MA's), (Start: 2 @46135 has 9 MA's),

Gene: Conan_74 Start: 46733, Stop: 46590, Start Num: 2
Candidate Starts for Conan_74:
(Start: 1 @46742 has 1 MA's), (Start: 2 @46733 has 9 MA's),

Gene: Dexers_71 Start: 46699, Stop: 46553, Start Num: 2
Candidate Starts for Dexers_71:
(Start: 1 @46708 has 1 MA's), (Start: 2 @46699 has 9 MA's),

Gene: ElGato_74 Start: 46593, Stop: 46453, Start Num: 2
Candidate Starts for ElGato_74:
(Start: 1 @46602 has 1 MA's), (Start: 2 @46593 has 9 MA's), (4, 46500),

Gene: Jhitchelle_73 Start: 45770, Stop: 45624, Start Num: 2
Candidate Starts for Jhitchelle_73:
(Start: 1 @45779 has 1 MA's), (Start: 2 @45770 has 9 MA's),

Gene: Kaine_73 Start: 46505, Stop: 46362, Start Num: 2
Candidate Starts for Kaine_73:
(Start: 1 @46514 has 1 MA's), (Start: 2 @46505 has 9 MA's),

Gene: Pavo_74 Start: 46681, Stop: 46538, Start Num: 2
Candidate Starts for Pavo_74:
(Start: 1 @46690 has 1 MA's), (Start: 2 @46681 has 9 MA's),

Gene: Provolone_74 Start: 46822, Stop: 46679, Start Num: 2
Candidate Starts for Provolone_74:
(Start: 1 @46831 has 1 MA's), (Start: 2 @46822 has 9 MA's),

Gene: Saftant_71 Start: 46556, Stop: 46410, Start Num: 3
Candidate Starts for Saftant_71:
(Start: 3 @46556 has 1 MA's), (5, 46451),

Gene: Speedwell_75 Start: 47266, Stop: 47120, Start Num: 2
Candidate Starts for Speedwell_75:
(Start: 1 @47275 has 1 MA's), (Start: 2 @47266 has 9 MA's), (5, 47161),

Gene: Sudan_75 Start: 46488, Stop: 46345, Start Num: 2
Candidate Starts for Sudan_75:
(Start: 1 @46497 has 1 MA's), (Start: 2 @46488 has 9 MA's),

Gene: SunkenRoot_74 Start: 46855, Stop: 46712, Start Num: 2
Candidate Starts for SunkenRoot_74:
(Start: 1 @46864 has 1 MA's), (Start: 2 @46855 has 9 MA's),

Gene: Vanseggelen_78 Start: 46338, Stop: 46195, Start Num: 2
Candidate Starts for Vanseggelen_78:
(Start: 1 @46347 has 1 MA's), (Start: 2 @46338 has 9 MA's),

Gene: Verabelle_75 Start: 45786, Stop: 45634, Start Num: 1
Candidate Starts for Verabelle_75:
(Start: 1 @45786 has 1 MA's), (Start: 2 @45777 has 9 MA's),

Gene: Verse_73 Start: 47119, Stop: 46976, Start Num: 2
Candidate Starts for Verse_73:
(Start: 1 @47128 has 1 MA's), (Start: 2 @47119 has 9 MA's),

Gene: ZamZam_77 Start: 46868, Stop: 46722, Start Num: 2
Candidate Starts for ZamZam_77:
(Start: 1 @46877 has 1 MA's), (Start: 2 @46868 has 9 MA's), (5, 46763),

Gene: phiCAM_69 Start: 47950, Stop: 47798, Start Num: 1
Candidate Starts for phiCAM_69:
(Start: 1 @47950 has 1 MA's), (Start: 2 @47941 has 9 MA's),