Pham 193029

1: Phelemich_89 + 1

2: Acadian_92 + 5

3: Mysterious_93 + 1

4: Baee_91

5: SirJeffery_90

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 193029 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193029 has 12 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Phelemich_89, Reprobate_91
• Track 2 : Acadian_92, EastView9101_92, Suigeneris_93, Serendipitous_93, Donny_92, Rich_90
• Track 3 : Mysterious_93, Nehemiah_91
• Track 4 : Baee_91
• Track 5 : SirJeffery_90

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acadian_92, Donny_92, EastView9101_92, Mysterious_93, Nehemiah_91, Phelemich_89, Reprobate_91, Rich_90, Serendipitous_93, SirJeffery_90, Suigeneris_93,

Genes that have the "Most Annotated" start but do not call it:
• Baee_91,

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

Summary by start number:

Start 2:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Baee_91 (B5),

Start 3:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 9

• Called 91.7% of time when present
• Phage (with cluster) where this start called: Acadian_92 (B5), Donny_92 (B5), EastView9101_92 (B5), Mysterious_93 (B5), Nehemiah_91 (B5), Phelemich_89 (B5), Reprobate_91 (B5), Rich_90 (B5), Serendipitous_93 (B5), SirJeffery_90 (B5), Suigeneris_93 (B5),

Summary by clusters:

There is one cluster represented in this pham: B5

Info for manual annotations of cluster B5:
•Start number 2 was manually annotated 1 time for cluster B5.
•Start number 3 was manually annotated 8 times for cluster B5.

Gene Information:
Gene: Acadian_92 Start: 67740, Stop: 67471, Start Num: 3
Candidate Starts for Acadian_92:
(Start: 3 @67740 has 8 MA's), (6, 67665), (7, 67647), (8, 67527),

Gene: Baee_91 Start: 68280, Stop: 67975, Start Num: 2
Candidate Starts for Baee_91:
(1, 68283), (Start: 2 @68280 has 1 MA's), (Start: 3 @68244 has 8 MA's), (6, 68169), (7, 68151), (8, 68031),

Gene: Donny_92 Start: 67567, Stop: 67298, Start Num: 3
Candidate Starts for Donny_92:
(Start: 3 @67567 has 8 MA's), (6, 67492), (7, 67474), (8, 67354),

Gene: EastView9101_92 Start: 67759, Stop: 67490, Start Num: 3
Candidate Starts for EastView9101_92:
(Start: 3 @67759 has 8 MA's), (6, 67684), (7, 67666), (8, 67546),

Gene: Mysterious_93 Start: 67652, Stop: 67392, Start Num: 3
Candidate Starts for Mysterious_93:
(Start: 3 @67652 has 8 MA's), (5, 67589), (9, 67421),

Gene: Nehemiah_91 Start: 67520, Stop: 67260, Start Num: 3
Candidate Starts for Nehemiah_91:
(Start: 3 @67520 has 8 MA's), (5, 67457), (9, 67289),

Gene: Phelemich_89 Start: 67558, Stop: 67298, Start Num: 3
Candidate Starts for Phelemich_89:
(Start: 3 @67558 has 8 MA's), (4, 67543), (5, 67495), (9, 67327),

Gene: Reprobate_91 Start: 67563, Stop: 67303, Start Num: 3
Candidate Starts for Reprobate_91:
(Start: 3 @67563 has 8 MA's), (4, 67548), (5, 67500), (9, 67332),

Gene: Rich_90 Start: 67797, Stop: 67528, Start Num: 3
Candidate Starts for Rich_90:

(Start: 3 @67797 has 8 MA's), (6, 67722), (7, 67704), (8, 67584),

Gene: Serendipitous_93 Start: 67738, Stop: 67469, Start Num: 3
Candidate Starts for Serendipitous_93:
(Start: 3 @67738 has 8 MA's), (6, 67663), (7, 67645), (8, 67525),

Gene: SirJeffery_90 Start: 67796, Stop: 67527, Start Num: 3
Candidate Starts for SirJeffery_90:
(Start: 3 @67796 has 8 MA's), (6, 67721), (7, 67703), (8, 67583),

Gene: Suigeneris_93 Start: 67955, Stop: 67686, Start Num: 3
Candidate Starts for Suigeneris_93:
(Start: 3 @67955 has 8 MA's), (6, 67880), (7, 67862), (8, 67742),