Pham 7657

1: Baee_47 + 2

2: Suigeneris_48 + 1

3: Nangang_47 + 1

4: Serendipitous_47

5: EastView9101_48

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 7657 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7657 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Baee_47, Acadian_48, Rich_46
• Track 2 : Suigeneris_48, Donny_48
• Track 3 : Nangang_47, DigitDog_47
• Track 4 : Serendipitous_47
• Track 5 : EastView9101_48

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acadian_48, Baee_47, Donny_48, Rich_46, Serendipitous_47, Suigeneris_48,

Genes that have the "Most Annotated" start but do not call it:
• DigitDog_47, EastView9101_48, Nangang_47,

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

Summary by start number:

Start 1:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Acadian_48 (B5), Baee_47 (B5), Donny_48 (B5), Rich_46 (B5), Serendipitous_47 (B5), Suigeneris_48 (B5),

Start 2:
• Found in 9 of 9 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present

• Phage (with cluster) where this start called: DigitDog_47 (B5), EastView9101_48 (B5), Nangang_47 (B5),

Summary by clusters:

There is one cluster represented in this pham: B5

Info for manual annotations of cluster B5:
•Start number 1 was manually annotated 6 times for cluster B5.

Gene Information:
Gene: Acadian_48 Start: 42592, Stop: 42729, Start Num: 1
Candidate Starts for Acadian_48:
(Start: 1 @42592 has 6 MA's), (2, 42610), (3, 42619), (4, 42634),

Gene: Baee_47 Start: 42476, Stop: 42613, Start Num: 1
Candidate Starts for Baee_47:
(Start: 1 @42476 has 6 MA's), (2, 42494), (3, 42503), (4, 42518),

Gene: DigitDog_47 Start: 42310, Stop: 42432, Start Num: 2
Candidate Starts for DigitDog_47:
(Start: 1 @42292 has 6 MA's), (2, 42310),

Gene: Donny_48 Start: 42597, Stop: 42734, Start Num: 1
Candidate Starts for Donny_48:
(Start: 1 @42597 has 6 MA's), (2, 42615),

Gene: EastView9101_48 Start: 42265, Stop: 42384, Start Num: 2
Candidate Starts for EastView9101_48:
(Start: 1 @42247 has 6 MA's), (2, 42265), (3, 42274), (4, 42289),

Gene: Nangang_47 Start: 42675, Stop: 42797, Start Num: 2
Candidate Starts for Nangang_47:
(Start: 1 @42657 has 6 MA's), (2, 42675),

Gene: Rich_46 Start: 42464, Stop: 42601, Start Num: 1
Candidate Starts for Rich_46:
(Start: 1 @42464 has 6 MA's), (2, 42482), (3, 42491), (4, 42506),

Gene: Serendipitous_47 Start: 42407, Stop: 42547, Start Num: 1
Candidate Starts for Serendipitous_47:
(Start: 1 @42407 has 6 MA's), (2, 42425), (4, 42449),

Gene: Suigeneris_48 Start: 42597, Stop: 42734, Start Num: 1
Candidate Starts for Suigeneris_48:
(Start: 1 @42597 has 6 MA's), (2, 42615),