Pham 106797

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 106797 Report

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

Pham number 106797 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Mudcat_60, Circum_65
• Track 2 : KeaneyLin_61, GoCrazy_62, Heisenberger_62, JEGGS_62
• Track 3 : Elsa_64, Nason_64, Arcadia_64
• Track 4 : Correa_62
• Track 5 : Benllo_64, Mooshroom_64

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 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Benllo_64, Correa_62, GoCrazy_62, Heisenberger_62, JEGGS_62, KeaneyLin_61, Mooshroom_64,

Genes that have the "Most Annotated" start but do not call it:
• Arcadia_64, Circum_65, Elsa_64, Mudcat_60, Nason_64,

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

Summary by start number:

Start 5:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 41.7% of time when present
• Phage (with cluster) where this start called: Arcadia_64 (AM), Circum_65 (AM), Elsa_64 (AM), Mudcat_60 (AM), Nason_64 (AM),

Start 7:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 58.3% of time when present

• Phage (with cluster) where this start called: Benllo_64 (AM), Correa_62 (AM), GoCrazy_62 (AM), Heisenberger_62 (AM), JEGGS_62 (AM), KeaneyLin_61 (AM), Mooshroom_64 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

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

Gene Information:
Gene: Arcadia_64 Start: 41646, Stop: 41912, Start Num: 5
Candidate Starts for Arcadia_64:
(4, 41643), (Start: 5 @41646 has 5 MA's), (6, 41649), (Start: 7 @41691 has 5 MA's), (8, 41805),

Gene: Benllo_64 Start: 41775, Stop: 41996, Start Num: 7
Candidate Starts for Benllo_64:
(1, 41667), (2, 41679), (3, 41712), (Start: 5 @41730 has 5 MA's), (6, 41733), (Start: 7 @41775 has 5 MA's), (8, 41889),

Gene: Circum_65 Start: 41846, Stop: 42112, Start Num: 5
Candidate Starts for Circum_65:
(Start: 5 @41846 has 5 MA's), (6, 41849), (Start: 7 @41891 has 5 MA's), (8, 42005),

Gene: Correa_62 Start: 40895, Stop: 41116, Start Num: 7
Candidate Starts for Correa_62:
(3, 40832), (Start: 5 @40850 has 5 MA's), (6, 40853), (Start: 7 @40895 has 5 MA's), (8, 41009),

Gene: Elsa_64 Start: 41646, Stop: 41912, Start Num: 5
Candidate Starts for Elsa_64:
(4, 41643), (Start: 5 @41646 has 5 MA's), (6, 41649), (Start: 7 @41691 has 5 MA's), (8, 41805),

Gene: GoCrazy_62 Start: 41356, Stop: 41577, Start Num: 7
Candidate Starts for GoCrazy_62:
(Start: 5 @41311 has 5 MA's), (6, 41314), (Start: 7 @41356 has 5 MA's), (8, 41470),

Gene: Heisenberger_62 Start: 40900, Stop: 41121, Start Num: 7
Candidate Starts for Heisenberger_62:
(Start: 5 @40855 has 5 MA's), (6, 40858), (Start: 7 @40900 has 5 MA's), (8, 41014),

Gene: JEGGS_62 Start: 40979, Stop: 41200, Start Num: 7
Candidate Starts for JEGGS_62:
(Start: 5 @40934 has 5 MA's), (6, 40937), (Start: 7 @40979 has 5 MA's), (8, 41093),

Gene: KeaneyLin_61 Start: 41356, Stop: 41577, Start Num: 7
Candidate Starts for KeaneyLin_61:
(Start: 5 @41311 has 5 MA's), (6, 41314), (Start: 7 @41356 has 5 MA's), (8, 41470),

Gene: Mooshroom_64 Start: 41672, Stop: 41893, Start Num: 7
Candidate Starts for Mooshroom_64:
(1, 41564), (2, 41576), (3, 41609), (Start: 5 @41627 has 5 MA's), (6, 41630), (Start: 7 @41672 has 5 MA's), (8, 41786),

Gene: Mudcat_60 Start: 42292, Stop: 42558, Start Num: 5
Candidate Starts for Mudcat_60:
(Start: 5 @42292 has 5 MA's), (6, 42295), (Start: 7 @42337 has 5 MA's), (8, 42451),

Gene: Nason_64 Start: 41646, Stop: 41912, Start Num: 5
Candidate Starts for Nason_64:
(4, 41643), (Start: 5 @41646 has 5 MA's), (6, 41649), (Start: 7 @41691 has 5 MA's), (8, 41805),