Pham 209096

1: FirstPlacePfu_56 + 12

2: Techage_55

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 209096 Report

This analysis was run 02/22/25 on database version 588.

Pham number 209096 has 14 members, 2 are drafts.

Phages represented in each track:
• Track 1 : FirstPlacePfu_56, Mangethe_60, Majeke_60, Donovan_54, Etoile_54, Zilizebeth_60, Venti_55, Arib1_56, Fishburne_54, Bartholomew_54, Phegasus_60, Langerak_55, Kari_54
• Track 2 : Techage_55

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arib1_56, Bartholomew_54, Donovan_54, Etoile_54, FirstPlacePfu_56, Fishburne_54, Kari_54, Langerak_55, Majeke_60, Mangethe_60, Phegasus_60, Techage_55, Venti_55, Zilizebeth_60,

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

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

Summary by start number:

Start 1:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arib1_56 (P1), Bartholomew_54 (P1), Donovan_54 (P1), Etoile_54 (P1), FirstPlacePfu_56 (P1), Fishburne_54 (P1), Kari_54 (P1), Langerak_55 (P1), Majeke_60 (P1), Mangethe_60 (P1), Phegasus_60 (P1), Techage_55 (P1), Venti_55 (P1), Zilizebeth_60 (P1),

Summary by clusters:

There is one cluster represented in this pham: P1

Info for manual annotations of cluster P1:
•Start number 1 was manually annotated 12 times for cluster P1.

Gene Information:

Gene: Arib1_56 Start: 36638, Stop: 36877, Start Num: 1
Candidate Starts for Arib1_56:
(Start: 1 @36638 has 12 MA's), (2, 36839), (3, 36866),

Gene: Bartholomew_54 Start: 36580, Stop: 36819, Start Num: 1
Candidate Starts for Bartholomew_54:
(Start: 1 @36580 has 12 MA's), (2, 36781), (3, 36808),

Gene: Donovan_54 Start: 36798, Stop: 37037, Start Num: 1
Candidate Starts for Donovan_54:
(Start: 1 @36798 has 12 MA's), (2, 36999), (3, 37026),

Gene: Etoile_54 Start: 36580, Stop: 36819, Start Num: 1
Candidate Starts for Etoile_54:
(Start: 1 @36580 has 12 MA's), (2, 36781), (3, 36808),

Gene: FirstPlacePfu_56 Start: 36612, Stop: 36851, Start Num: 1
Candidate Starts for FirstPlacePfu_56:
(Start: 1 @36612 has 12 MA's), (2, 36813), (3, 36840),

Gene: Fishburne_54 Start: 36580, Stop: 36819, Start Num: 1
Candidate Starts for Fishburne_54:
(Start: 1 @36580 has 12 MA's), (2, 36781), (3, 36808),

Gene: Kari_54 Start: 36577, Stop: 36816, Start Num: 1
Candidate Starts for Kari_54:
(Start: 1 @36577 has 12 MA's), (2, 36778), (3, 36805),

Gene: Langerak_55 Start: 36596, Stop: 36835, Start Num: 1
Candidate Starts for Langerak_55:
(Start: 1 @36596 has 12 MA's), (2, 36797), (3, 36824),

Gene: Majeke_60 Start: 38155, Stop: 38394, Start Num: 1
Candidate Starts for Majeke_60:
(Start: 1 @38155 has 12 MA's), (2, 38356), (3, 38383),

Gene: Mangethe_60 Start: 38155, Stop: 38394, Start Num: 1
Candidate Starts for Mangethe_60:
(Start: 1 @38155 has 12 MA's), (2, 38356), (3, 38383),

Gene: Phegasus_60 Start: 38122, Stop: 38361, Start Num: 1
Candidate Starts for Phegasus_60:
(Start: 1 @38122 has 12 MA's), (2, 38323), (3, 38350),

Gene: Techage_55 Start: 36691, Stop: 36930, Start Num: 1
Candidate Starts for Techage_55:
(Start: 1 @36691 has 12 MA's), (2, 36892), (3, 36919),

Gene: Venti_55 Start: 36580, Stop: 36819, Start Num: 1
Candidate Starts for Venti_55:
(Start: 1 @36580 has 12 MA's), (2, 36781), (3, 36808),

Gene: Zilizebeth_60 Start: 38146, Stop: 38385, Start Num: 1
Candidate Starts for Zilizebeth_60:
(Start: 1 @38146 has 12 MA's), (2, 38347), (3, 38374),