Pham 106955

1: Coral_54 + 8

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 106955 Report

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

Pham number 106955 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Coral_54, Kepler_55, Lunar_55, HannahPhantana_62, Cote_56, Amelia_54, Daob_56, Polka_54, Melons_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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amelia_54, Coral_54, Cote_56, Daob_56, HannahPhantana_62, Kepler_55, Lunar_55, Melons_55, Polka_54,

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 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amelia_54 (AS2), Coral_54 (AS2), Cote_56 (AS2), Daob_56 (AS2), HannahPhantana_62 (AS2), Kepler_55 (AS2), Lunar_55 (AS2), Melons_55 (AS2), Polka_54 (AS2),

Summary by clusters:

There is one cluster represented in this pham: AS2

Info for manual annotations of cluster AS2:
•Start number 1 was manually annotated 8 times for cluster AS2.

Gene Information:

Gene: Amelia_54 Start: 33016, Stop: 33132, Start Num: 1
Candidate Starts for Amelia_54:
(Start: 1 @33016 has 8 MA's), (2, 33064), (3, 33067), (4, 33115),

Gene: Coral_54 Start: 32920, Stop: 33036, Start Num: 1
Candidate Starts for Coral_54:
(Start: 1 @32920 has 8 MA's), (2, 32968), (3, 32971), (4, 33019),

Gene: Cote_56 Start: 33354, Stop: 33470, Start Num: 1
Candidate Starts for Cote_56:
(Start: 1 @33354 has 8 MA's), (2, 33402), (3, 33405), (4, 33453),

Gene: Daob_56 Start: 33365, Stop: 33481, Start Num: 1
Candidate Starts for Daob_56:
(Start: 1 @33365 has 8 MA's), (2, 33413), (3, 33416), (4, 33464),

Gene: HannahPhantana_62 Start: 33011, Stop: 33127, Start Num: 1
Candidate Starts for HannahPhantana_62:
(Start: 1 @33011 has 8 MA's), (2, 33059), (3, 33062), (4, 33110),

Gene: Kepler_55 Start: 33132, Stop: 33248, Start Num: 1
Candidate Starts for Kepler_55:
(Start: 1 @33132 has 8 MA's), (2, 33180), (3, 33183), (4, 33231),

Gene: Lunar_55 Start: 33044, Stop: 33160, Start Num: 1
Candidate Starts for Lunar_55:
(Start: 1 @33044 has 8 MA's), (2, 33092), (3, 33095), (4, 33143),

Gene: Melons_55 Start: 32858, Stop: 32974, Start Num: 1
Candidate Starts for Melons_55:
(Start: 1 @32858 has 8 MA's), (2, 32906), (3, 32909), (4, 32957),

Gene: Polka_54 Start: 32865, Stop: 32981, Start Num: 1
Candidate Starts for Polka_54:
(Start: 1 @32865 has 8 MA's), (2, 32913), (3, 32916), (4, 32964),