Pham 11623

1: ThankyouJordi_29

2: Hyzer_34

3: Agueybana_32

4: WelcomeAyanna_29

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 11623 Report

This analysis was run 04/05/24 on database version 557.

Pham number 11623 has 4 members, 1 are drafts.

Phages represented in each track:
• Track 1 : ThankyouJordi_29
• Track 2 : Hyzer_34
• Track 3 : Agueybana_32
• Track 4 : WelcomeAyanna_29

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

The start number called the most often in the published annotations is 4, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agueybana_32, Hyzer_34,

Genes that have the "Most Annotated" start but do not call it:
• ThankyouJordi_29, WelcomeAyanna_29,

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

Summary by start number:

Start 2:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 25.0% of time when present
• Phage (with cluster) where this start called: ThankyouJordi_29 (CZ1),

Start 3:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 25.0% of time when present
• Phage (with cluster) where this start called: WelcomeAyanna_29 (CZ1),

Start 4:

• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Agueybana_32 (CZ1), Hyzer_34 (CZ1),

Summary by clusters:

There is one cluster represented in this pham: CZ1

Info for manual annotations of cluster CZ1:
•Start number 2 was manually annotated 1 time for cluster CZ1.
•Start number 3 was manually annotated 1 time for cluster CZ1.
•Start number 4 was manually annotated 1 time for cluster CZ1.

Gene Information:
Gene: Agueybana_32 Start: 28156, Stop: 28323, Start Num: 4
Candidate Starts for Agueybana_32:
(Start: 2 @28111 has 1 MA's), (Start: 3 @28114 has 1 MA's), (Start: 4 @28156 has 1 MA's), (5, 28216), (6, 28237), (7, 28285),

Gene: Hyzer_34 Start: 29330, Stop: 29497, Start Num: 4
Candidate Starts for Hyzer_34:
(Start: 2 @29285 has 1 MA's), (Start: 3 @29288 has 1 MA's), (Start: 4 @29330 has 1 MA's), (5, 29390), (6, 29411), (7, 29459),

Gene: ThankyouJordi_29 Start: 27477, Stop: 27689, Start Num: 2
Candidate Starts for ThankyouJordi_29:
(1, 27351), (Start: 2 @27477 has 1 MA's), (Start: 3 @27480 has 1 MA's), (Start: 4 @27522 has 1 MA's), (5, 27582), (6, 27603), (7, 27651),

Gene: WelcomeAyanna_29 Start: 27627, Stop: 27836, Start Num: 3
Candidate Starts for WelcomeAyanna_29:
(1, 27498), (Start: 2 @27624 has 1 MA's), (Start: 3 @27627 has 1 MA's), (Start: 4 @27669 has 1 MA's), (5, 27729), (6, 27750), (7, 27798),