Pham 164263

1: Pepperoni_7 + 1

2: Faith5x5_7

3: OneDirection_7

4: Gudmit_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 164263 Report

This analysis was run 05/04/24 on database version 560.

Pham number 164263 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Pepperoni_7, Lton_7
• Track 2 : Faith5x5_7
• Track 3 : OneDirection_7
• Track 4 : Gudmit_8

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gudmit_8, OneDirection_7,

Genes that have the "Most Annotated" start but do not call it:
• Faith5x5_7, Lton_7, Pepperoni_7,

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

Summary by start number:

Start 1:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Faith5x5_7 (CZ6), Lton_7 (CZ), Pepperoni_7 (CZ),

Start 3:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Gudmit_8 (singleton), OneDirection_7 (CZ6),

Summary by clusters:

There are 3 clusters represented in this pham: CZ, singleton, CZ6,

Info for manual annotations of cluster CZ:
•Start number 1 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ6:
•Start number 1 was manually annotated 1 time for cluster CZ6.
•Start number 3 was manually annotated 1 time for cluster CZ6.

Gene Information:
Gene: Faith5x5_7 Start: 5658, Stop: 5912, Start Num: 1
Candidate Starts for Faith5x5_7:
(Start: 1 @5658 has 2 MA's), (2, 5682), (Start: 3 @5733 has 2 MA's), (8, 5820),

Gene: Gudmit_8 Start: 6514, Stop: 6726, Start Num: 3
Candidate Starts for Gudmit_8:
(2, 6463), (Start: 3 @6514 has 2 MA's), (4, 6538), (7, 6601),

Gene: Lton_7 Start: 5667, Stop: 5966, Start Num: 1
Candidate Starts for Lton_7:
(Start: 1 @5667 has 2 MA's), (2, 5691), (Start: 3 @5742 has 2 MA's), (5, 5787), (6, 5811),

Gene: OneDirection_7 Start: 5719, Stop: 5904, Start Num: 3
Candidate Starts for OneDirection_7:
(Start: 1 @5644 has 2 MA's), (Start: 3 @5719 has 2 MA's), (9, 5881),

Gene: Pepperoni_7 Start: 5961, Stop: 6260, Start Num: 1
Candidate Starts for Pepperoni_7:
(Start: 1 @5961 has 2 MA's), (2, 5985), (Start: 3 @6036 has 2 MA's), (5, 6081), (6, 6105),