Pham 4751

1: Tyson_34 + 15

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 4751 Report

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

Pham number 4751 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Tyson_34, DirkDirk_34, OhShagHennessy_34, Enceladus_34, AvadaKedavra_34, Wamburgrxpress_34, Rose5_34, MAckerman_34, Calm_34, Acquire49_34, Silverleaf_34, Appletree2_34, Wyatt2_34, JoeDirt_34, Halena_34, Zaria_34

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_34, Appletree2_34, AvadaKedavra_34, Calm_34, DirkDirk_34, Enceladus_34, Halena_34, JoeDirt_34, MAckerman_34, OhShagHennessy_34, Rose5_34, Silverleaf_34, Tyson_34, Wamburgrxpress_34, Wyatt2_34, Zaria_34,

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 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acquire49_34 (L1), Appletree2_34 (L1), AvadaKedavra_34 (L1), Calm_34 (L1), DirkDirk_34 (L1), Enceladus_34 (L1), Halena_34 (L1), JoeDirt_34 (L1), MAckerman_34 (L1), OhShagHennessy_34 (L1), Rose5_34 (L1), Silverleaf_34 (L1), Tyson_34 (L1), Wamburgrxpress_34 (L1), Wyatt2_34 (L1), Zaria_34 (L1),

Summary by clusters:

There is one cluster represented in this pham: L1

Info for manual annotations of cluster L1:
•Start number 1 was manually annotated 15 times for cluster L1.

Gene Information:
Gene: Acquire49_34 Start: 29706, Stop: 29554, Start Num: 1
Candidate Starts for Acquire49_34:
(Start: 1 @29706 has 15 MA's), (2, 29586), (3, 29571),

Gene: Appletree2_34 Start: 29649, Stop: 29488, Start Num: 1
Candidate Starts for Appletree2_34:
(Start: 1 @29649 has 15 MA's), (2, 29529), (3, 29514),

Gene: AvadaKedavra_34 Start: 29716, Stop: 29564, Start Num: 1
Candidate Starts for AvadaKedavra_34:
(Start: 1 @29716 has 15 MA's), (2, 29596), (3, 29581),

Gene: Calm_34 Start: 29721, Stop: 29560, Start Num: 1
Candidate Starts for Calm_34:
(Start: 1 @29721 has 15 MA's), (2, 29601), (3, 29586),

Gene: DirkDirk_34 Start: 29706, Stop: 29545, Start Num: 1
Candidate Starts for DirkDirk_34:
(Start: 1 @29706 has 15 MA's), (2, 29586), (3, 29571),

Gene: Enceladus_34 Start: 29690, Stop: 29529, Start Num: 1
Candidate Starts for Enceladus_34:
(Start: 1 @29690 has 15 MA's), (2, 29570), (3, 29555),

Gene: Halena_34 Start: 29717, Stop: 29565, Start Num: 1
Candidate Starts for Halena_34:
(Start: 1 @29717 has 15 MA's), (2, 29597), (3, 29582),

Gene: JoeDirt_34 Start: 29688, Stop: 29527, Start Num: 1
Candidate Starts for JoeDirt_34:
(Start: 1 @29688 has 15 MA's), (2, 29568), (3, 29553),

Gene: MAckerman_34 Start: 29712, Stop: 29551, Start Num: 1
Candidate Starts for MAckerman_34:
(Start: 1 @29712 has 15 MA's), (2, 29592), (3, 29577),

Gene: OhShagHennessy_34 Start: 29677, Stop: 29516, Start Num: 1
Candidate Starts for OhShagHennessy_34:
(Start: 1 @29677 has 15 MA's), (2, 29557), (3, 29542),

Gene: Rose5_34 Start: 29706, Stop: 29554, Start Num: 1
Candidate Starts for Rose5_34:
(Start: 1 @29706 has 15 MA's), (2, 29586), (3, 29571),

Gene: Silverleaf_34 Start: 29706, Stop: 29554, Start Num: 1
Candidate Starts for Silverleaf_34:
(Start: 1 @29706 has 15 MA's), (2, 29586), (3, 29571),

Gene: Tyson_34 Start: 29707, Stop: 29555, Start Num: 1
Candidate Starts for Tyson_34:
(Start: 1 @29707 has 15 MA's), (2, 29587), (3, 29572),

Gene: Wamburgrxpress_34 Start: 29719, Stop: 29558, Start Num: 1
Candidate Starts for Wamburgrxpress_34:
(Start: 1 @29719 has 15 MA's), (2, 29599), (3, 29584),

Gene: Wyatt2_34 Start: 29706, Stop: 29554, Start Num: 1
Candidate Starts for Wyatt2_34:
(Start: 1 @29706 has 15 MA's), (2, 29586), (3, 29571),

Gene: Zaria_34 Start: 29721, Stop: 29560, Start Num: 1
Candidate Starts for Zaria_34:
(Start: 1 @29721 has 15 MA's), (2, 29601), (3, 29586),