Pham 89728

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 89728 Report

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

Pham number 89728 has 6 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Bennie_55
• Track 2 : AppleCider_56, PartyCup_61
• Track 3 : PinkFriday_56
• Track 4 : KingBob_54
• Track 5 : AustinPowers_56

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

The start number called the most often in the published annotations is 5, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AppleCider_56, PartyCup_61,

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

Genes that do not have the "Most Annotated" start:
• AustinPowers_56, Bennie_55, KingBob_54, PinkFriday_56,

Summary by start number:

Start 5:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AppleCider_56 (AK), PartyCup_61 (AK),

Start 6:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AustinPowers_56 (AK), KingBob_54 (AK), PinkFriday_56 (AK),

Start 7:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Bennie_55 (AK),

Summary by clusters:

There is one cluster represented in this pham: AK

Info for manual annotations of cluster AK:
•Start number 5 was manually annotated 1 time for cluster AK.
•Start number 6 was manually annotated 1 time for cluster AK.
•Start number 7 was manually annotated 1 time for cluster AK.

Gene Information:

Gene: AppleCider_56 Start: 41265, Stop: 41050, Start Num: 5
Candidate Starts for AppleCider_56:
(3, 41403), (Start: 5 @41265 has 1 MA's), (Start: 7 @41244 has 1 MA's), (10, 41103),

Gene: AustinPowers_56 Start: 41250, Stop: 41032, Start Num: 6
Candidate Starts for AustinPowers_56:
(1, 41460), (2, 41394), (Start: 6 @41250 has 1 MA's), (9, 41133),

Gene: Bennie_55 Start: 40083, Stop: 39889, Start Num: 7
Candidate Starts for Bennie_55:
(3, 40242), (Start: 7 @40083 has 1 MA's), (10, 39942),

Gene: KingBob_54 Start: 41290, Stop: 41072, Start Num: 6
Candidate Starts for KingBob_54:
(3, 41434), (4, 41347), (Start: 6 @41290 has 1 MA's), (8, 41215),

Gene: PartyCup_61 Start: 41494, Stop: 41279, Start Num: 5
Candidate Starts for PartyCup_61:
(3, 41632), (Start: 5 @41494 has 1 MA's), (Start: 7 @41473 has 1 MA's), (10, 41332),

Gene: PinkFriday_56 Start: 40875, Stop: 40657, Start Num: 6
Candidate Starts for PinkFriday_56:
(1, 41085), (2, 41019), (Start: 6 @40875 has 1 MA's), (8, 40800), (9, 40758),