Pham 225154

1: BryanRecycles_64 + 4

2: Eddasa_65

3: Nabi_65

4: EnochSoames_66

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 225154 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225154 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BryanRecycles_64, Jash_64, Rusticus_64, Izzy_64, Oliynyk_64
• Track 2 : Eddasa_65
• Track 3 : Nabi_65
• Track 4 : EnochSoames_66

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

The start number called the most often in the published annotations is 6, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BryanRecycles_64, EnochSoames_66, Izzy_64, Jash_64, Nabi_65, Oliynyk_64, Rusticus_64,

Genes that have the "Most Annotated" start but do not call it:
• Eddasa_65,

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

Summary by start number:

Start 5:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Eddasa_65 (BD1),

Start 6:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 87.5% of time when present
• Phage (with cluster) where this start called: BryanRecycles_64 (BD1), EnochSoames_66 (BD1), Izzy_64 (BD1), Jash_64 (BD1), Nabi_65 (BD1), Oliynyk_64

(BD1), Rusticus_64 (BD1),

Summary by clusters:

There is one cluster represented in this pham: BD1

Info for manual annotations of cluster BD1:
•Start number 5 was manually annotated 1 time for cluster BD1.
•Start number 6 was manually annotated 6 times for cluster BD1.

Gene Information:

Gene: BryanRecycles_64 Start: 44100, Stop: 43813, Start Num: 6
Candidate Starts for BryanRecycles_64:
(1, 44295), (3, 44208), (Start: 5 @44136 has 1 MA's), (Start: 6 @44100 has 6 MA's), (7, 44070), (8, 43998),

Gene: Eddasa_65 Start: 44675, Stop: 44352, Start Num: 5
Candidate Starts for Eddasa_65:
(1, 44834), (3, 44747), (Start: 5 @44675 has 1 MA's), (Start: 6 @44639 has 6 MA's), (7, 44609), (8, 44537),

Gene: EnochSoames_66 Start: 43897, Stop: 43610, Start Num: 6
Candidate Starts for EnochSoames_66:
(1, 44092), (3, 44005), (Start: 5 @43933 has 1 MA's), (Start: 6 @43897 has 6 MA's), (8, 43795),

Gene: Izzy_64 Start: 44147, Stop: 43860, Start Num: 6
Candidate Starts for Izzy_64:
(1, 44342), (3, 44255), (Start: 5 @44183 has 1 MA's), (Start: 6 @44147 has 6 MA's), (7, 44117), (8, 44045),

Gene: Jash_64 Start: 44100, Stop: 43813, Start Num: 6
Candidate Starts for Jash_64:
(1, 44295), (3, 44208), (Start: 5 @44136 has 1 MA's), (Start: 6 @44100 has 6 MA's), (7, 44070), (8, 43998),

Gene: Nabi_65 Start: 45193, Stop: 44897, Start Num: 6
Candidate Starts for Nabi_65:
(2, 45373), (4, 45253), (Start: 6 @45193 has 6 MA's),

Gene: Oliynyk_64 Start: 44100, Stop: 43813, Start Num: 6
Candidate Starts for Oliynyk_64:
(1, 44295), (3, 44208), (Start: 5 @44136 has 1 MA's), (Start: 6 @44100 has 6 MA's), (7, 44070), (8, 43998),

Gene: Rusticus_64 Start: 44100, Stop: 43813, Start Num: 6
Candidate Starts for Rusticus_64:
(1, 44295), (3, 44208), (Start: 5 @44136 has 1 MA's), (Start: 6 @44100 has 6 MA's), (7, 44070), (8, 43998),