Pham 8576

1: Rahul_24 + 1

2: EpicDab_21

3: Emperor_23

4: SallySpecial_20

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 8576 Report

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

Pham number 8576 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Rahul_24, Coeur_24
• Track 2 : EpicDab_21
• Track 3 : Emperor_23
• Track 4 : SallySpecial_20

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 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Coeur_24, Rahul_24,

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

Genes that do not have the "Most Annotated" start:
• Emperor_23, EpicDab_21, SallySpecial_20,

Summary by start number:

Start 3:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Coeur_24 (CW2), Rahul_24 (CW2),

Start 4:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emperor_23 (DM), EpicDab_21 (DM),

Start 5:

• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SallySpecial_20 (DM),

Summary by clusters:

There are 2 clusters represented in this pham: DM, CW2,

Info for manual annotations of cluster CW2:
•Start number 3 was manually annotated 2 times for cluster CW2.

Info for manual annotations of cluster DM:
•Start number 4 was manually annotated 2 times for cluster DM.
•Start number 5 was manually annotated 1 time for cluster DM.

Gene Information:
Gene: Coeur_24 Start: 15362, Stop: 15673, Start Num: 3
Candidate Starts for Coeur_24:
(1, 15191), (Start: 3 @15362 has 2 MA's),

Gene: Emperor_23 Start: 15357, Stop: 15635, Start Num: 4
Candidate Starts for Emperor_23:
(Start: 4 @15357 has 2 MA's), (6, 15414), (7, 15456), (10, 15570), (13, 15594),

Gene: EpicDab_21 Start: 15072, Stop: 15347, Start Num: 4
Candidate Starts for EpicDab_21:
(2, 14940), (Start: 4 @15072 has 2 MA's), (6, 15129), (10, 15285),

Gene: Rahul_24 Start: 15370, Stop: 15681, Start Num: 3
Candidate Starts for Rahul_24:
(1, 15199), (Start: 3 @15370 has 2 MA's),

Gene: SallySpecial_20 Start: 14663, Stop: 14938, Start Num: 5
Candidate Starts for SallySpecial_20:
(Start: 5 @14663 has 1 MA's), (6, 14723), (8, 14774), (9, 14777), (11, 14891), (12, 14894), (14, 14918),