Pham 87303

1: Necrophoxinus_35 + 2

2: DustyDino_36 + 1

3: StevieWelch_33 + 5

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 87303 Report

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

Pham number 87303 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Necrophoxinus_35, Erenyeager_33, Lyell_33
• Track 2 : DustyDino_36, RunningBrook_35
• Track 3 : StevieWelch_33, Musetta_33, Fork_29, ASegato_32, Welcome_34, Yuma_32

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

The start number called the most often in the published annotations is 4, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_32, DustyDino_36, Erenyeager_33, Fork_29, Lyell_33, Musetta_33, Necrophoxinus_35, RunningBrook_35, StevieWelch_33, Welcome_34, Yuma_32,

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 4:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_32 (ED2), DustyDino_36 (ED2), Erenyeager_33 (ED2), Fork_29 (ED2), Lyell_33 (ED2), Musetta_33 (ED2), Necrophoxinus_35 (ED2), RunningBrook_35 (ED2), StevieWelch_33 (ED2), Welcome_34 (ED2), Yuma_32 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:
•Start number 4 was manually annotated 9 times for cluster ED2.

Gene Information:

Gene: ASegato_32 Start: 9400, Stop: 9627, Start Num: 4
Candidate Starts for ASegato_32:
(Start: 4 @9400 has 9 MA's), (6, 9553),

Gene: DustyDino_36 Start: 10347, Stop: 10574, Start Num: 4
Candidate Starts for DustyDino_36:
(1, 9951), (2, 10050), (3, 10074), (Start: 4 @10347 has 9 MA's), (5, 10443), (6, 10500),

Gene: Erenyeager_33 Start: 9741, Stop: 9968, Start Num: 4
Candidate Starts for Erenyeager_33:
(Start: 4 @9741 has 9 MA's), (5, 9837), (6, 9894),

Gene: Fork_29 Start: 9057, Stop: 9284, Start Num: 4
Candidate Starts for Fork_29:
(Start: 4 @9057 has 9 MA's), (6, 9210),

Gene: Lyell_33 Start: 9659, Stop: 9886, Start Num: 4
Candidate Starts for Lyell_33:
(Start: 4 @9659 has 9 MA's), (5, 9755), (6, 9812),

Gene: Musetta_33 Start: 9768, Stop: 9995, Start Num: 4
Candidate Starts for Musetta_33:
(Start: 4 @9768 has 9 MA's), (6, 9921),

Gene: Necrophoxinus_35 Start: 10355, Stop: 10582, Start Num: 4
Candidate Starts for Necrophoxinus_35:
(Start: 4 @10355 has 9 MA's), (5, 10451), (6, 10508),

Gene: RunningBrook_35 Start: 10347, Stop: 10574, Start Num: 4
Candidate Starts for RunningBrook_35:
(1, 9951), (2, 10050), (3, 10074), (Start: 4 @10347 has 9 MA's), (5, 10443), (6, 10500),

Gene: StevieWelch_33 Start: 9747, Stop: 9974, Start Num: 4
Candidate Starts for StevieWelch_33:
(Start: 4 @9747 has 9 MA's), (6, 9900),

Gene: Welcome_34 Start: 9764, Stop: 9991, Start Num: 4
Candidate Starts for Welcome_34:
(Start: 4 @9764 has 9 MA's), (6, 9917),

Gene: Yuma_32 Start: 9667, Stop: 9894, Start Num: 4
Candidate Starts for Yuma_32:
(Start: 4 @9667 has 9 MA's), (6, 9820),