



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 6466 Report

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

Pham number 6466 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : RunningBrook_63, Fork_57, Yuma_60, DustyDino_64, Musetta_61, Lyell_61, ASegato_60, Welcome_62, Necrophoxinus_63
- Track 2 : Erenyeager_61, StevieWelch_61

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASegato_60, DustyDino_64, Erenyeager_61, Fork_57, Lyell_61, Musetta_61, Necrophoxinus_63, RunningBrook_63, StevieWelch_61, Welcome_62, Yuma_60,

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 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_60 (ED2), DustyDino_64 (ED2), Erenyeager_61 (ED2), Fork_57 (ED2), Lyell_61 (ED2), Musetta_61 (ED2), Necrophoxinus_63 (ED2), RunningBrook_63 (ED2), StevieWelch_61 (ED2), Welcome_62 (ED2), Yuma_60 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:

- Start number 1 was manually annotated 9 times for cluster ED2.

Gene Information:

Gene: ASegato_60 Start: 34148, Stop: 34714, Start Num: 1

Candidate Starts for ASegato_60:

(Start: 1 @34148 has 9 MA's), (2, 34223), (3, 34229), (4, 34286), (5, 34304), (6, 34394), (7, 34580),

Gene: DustyDino_64 Start: 34746, Stop: 35312, Start Num: 1

Candidate Starts for DustyDino_64:

(Start: 1 @34746 has 9 MA's), (2, 34821), (3, 34827), (4, 34884), (5, 34902), (6, 34992), (7, 35178),

Gene: Erenyeager_61 Start: 34138, Stop: 34704, Start Num: 1

Candidate Starts for Erenyeager_61:

(Start: 1 @34138 has 9 MA's), (2, 34213), (3, 34219), (4, 34276), (6, 34384), (7, 34570),

Gene: Fork_57 Start: 33798, Stop: 34364, Start Num: 1

Candidate Starts for Fork_57:

(Start: 1 @33798 has 9 MA's), (2, 33873), (3, 33879), (4, 33936), (5, 33954), (6, 34044), (7, 34230),

Gene: Lyell_61 Start: 34057, Stop: 34623, Start Num: 1

Candidate Starts for Lyell_61:

(Start: 1 @34057 has 9 MA's), (2, 34132), (3, 34138), (4, 34195), (5, 34213), (6, 34303), (7, 34489),

Gene: Musetta_61 Start: 34518, Stop: 35084, Start Num: 1

Candidate Starts for Musetta_61:

(Start: 1 @34518 has 9 MA's), (2, 34593), (3, 34599), (4, 34656), (5, 34674), (6, 34764), (7, 34950),

Gene: Necrophoxinus_63 Start: 34752, Stop: 35318, Start Num: 1

Candidate Starts for Necrophoxinus_63:

(Start: 1 @34752 has 9 MA's), (2, 34827), (3, 34833), (4, 34890), (5, 34908), (6, 34998), (7, 35184),

Gene: RunningBrook_63 Start: 34746, Stop: 35312, Start Num: 1

Candidate Starts for RunningBrook_63:

(Start: 1 @34746 has 9 MA's), (2, 34821), (3, 34827), (4, 34884), (5, 34902), (6, 34992), (7, 35178),

Gene: StevieWelch_61 Start: 34138, Stop: 34704, Start Num: 1

Candidate Starts for StevieWelch_61:

(Start: 1 @34138 has 9 MA's), (2, 34213), (3, 34219), (4, 34276), (6, 34384), (7, 34570),

Gene: Welcome_62 Start: 34503, Stop: 35069, Start Num: 1

Candidate Starts for Welcome_62:

(Start: 1 @34503 has 9 MA's), (2, 34578), (3, 34584), (4, 34641), (5, 34659), (6, 34749), (7, 34935),

Gene: Yuma_60 Start: 34072, Stop: 34638, Start Num: 1

Candidate Starts for Yuma_60:

(Start: 1 @34072 has 9 MA's), (2, 34147), (3, 34153), (4, 34210), (5, 34228), (6, 34318), (7, 34504),