Pham 5795

1: RunningBrook_102 + 4

2: Erenyeager_99 + 1

3: Fork_95

4: Welcome_101 + 1

5: Musetta_98

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 5795 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 5795 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : RunningBrook_102, DustyDino_103, Yuma_98, Lyell_99, Necrophoxinus_101
• Track 2 : Erenyeager_99, StevieWelch_99
• Track 3 : Fork_95
• Track 4 : Welcome_101, ASegato_97
• Track 5 : Musetta_98

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_97, DustyDino_103, Erenyeager_99, Fork_95, Lyell_99, Musetta_98, Necrophoxinus_101, RunningBrook_102, StevieWelch_99, Welcome_101, Yuma_98,

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_97 (ED2), DustyDino_103 (ED2), Erenyeager_99 (ED2), Fork_95 (ED2), Lyell_99 (ED2), Musetta_98 (ED2),

Necrophoxinus_101 (ED2), RunningBrook_102 (ED2), StevieWelch_99 (ED2), Welcome_101 (ED2), Yuma_98 (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_97 Start: 52837, Stop: 52631, Start Num: 1
Candidate Starts for ASegato_97:
(Start: 1 @52837 has 9 MA's), (2, 52753), (3, 52717), (4, 52678),

Gene: DustyDino_103 Start: 53979, Stop: 53773, Start Num: 1
Candidate Starts for DustyDino_103:
(Start: 1 @53979 has 9 MA's), (4, 53820),

Gene: Erenyeager_99 Start: 52762, Stop: 52556, Start Num: 1
Candidate Starts for Erenyeager_99:
(Start: 1 @52762 has 9 MA's), (4, 52603),

Gene: Fork_95 Start: 52715, Stop: 52509, Start Num: 1
Candidate Starts for Fork_95:
(Start: 1 @52715 has 9 MA's), (3, 52595), (4, 52556),

Gene: Lyell_99 Start: 52926, Stop: 52720, Start Num: 1
Candidate Starts for Lyell_99:
(Start: 1 @52926 has 9 MA's), (4, 52767),

Gene: Musetta_98 Start: 53268, Stop: 53062, Start Num: 1
Candidate Starts for Musetta_98:
(Start: 1 @53268 has 9 MA's), (2, 53184), (3, 53148), (4, 53109),

Gene: Necrophoxinus_101 Start: 53615, Stop: 53409, Start Num: 1
Candidate Starts for Necrophoxinus_101:
(Start: 1 @53615 has 9 MA's), (4, 53456),

Gene: RunningBrook_102 Start: 53979, Stop: 53773, Start Num: 1
Candidate Starts for RunningBrook_102:
(Start: 1 @53979 has 9 MA's), (4, 53820),

Gene: StevieWelch_99 Start: 52899, Stop: 52693, Start Num: 1
Candidate Starts for StevieWelch_99:
(Start: 1 @52899 has 9 MA's), (4, 52740),

Gene: Welcome_101 Start: 53530, Stop: 53324, Start Num: 1
Candidate Starts for Welcome_101:
(Start: 1 @53530 has 9 MA's), (2, 53446), (3, 53410), (4, 53371),

Gene: Yuma_98 Start: 52940, Stop: 52734, Start Num: 1
Candidate Starts for Yuma_98:
(Start: 1 @52940 has 9 MA's), (4, 52781),