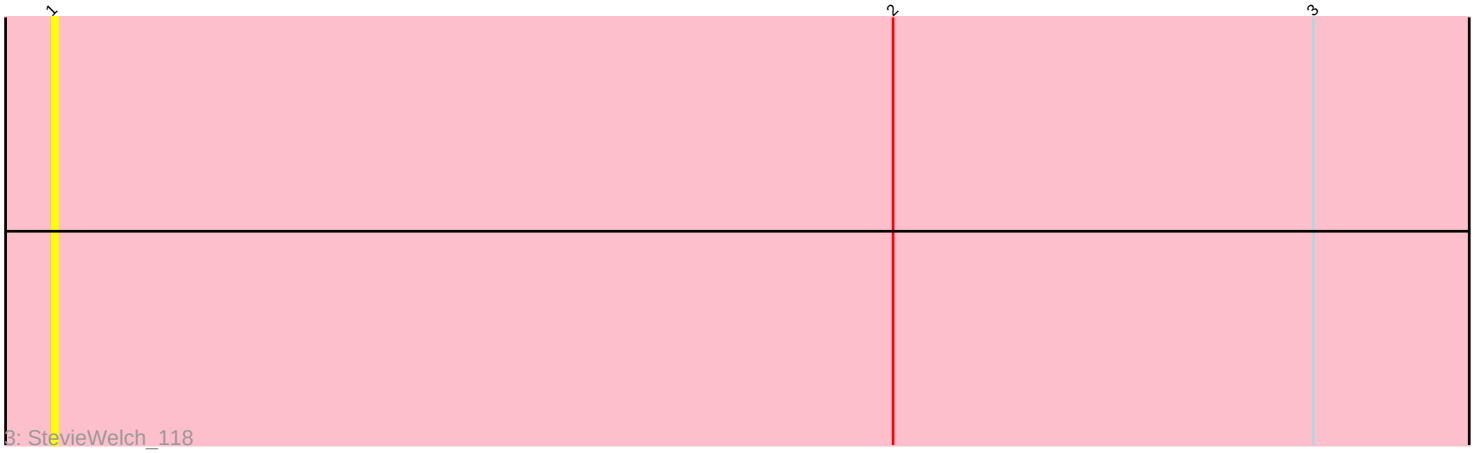
Pham 6304



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 6304 Report

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

Pham number 6304 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Necrophoxinus_116, Lyell_115, Fork_111, ASegato_114, Welcome_117, Erenyeager_115, RunningBrook_117, DustyDino_118, Musetta_113
• Track 2 : Yuma_113
• Track 3 : StevieWelch_118

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_114, DustyDino_118, Erenyeager_115, Fork_111, Lyell_115, Musetta_113, Necrophoxinus_116, RunningBrook_117, StevieWelch_118, Welcome_117, Yuma_113,

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_114 (ED2), DustyDino_118 (ED2), Erenyeager_115 (ED2), Fork_111 (ED2), Lyell_115 (ED2), Musetta_113 (ED2), Necrophoxinus_116 (ED2), RunningBrook_117 (ED2), StevieWelch_118 (ED2), Welcome_117 (ED2), Yuma_113 (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_114 Start: 59038, Stop: 58697, Start Num: 1
Candidate Starts for ASegato_114:
(Start: 1 @59038 has 9 MA's), (2, 58876),

Gene: DustyDino_118 Start: 59760, Stop: 59419, Start Num: 1
Candidate Starts for DustyDino_118:
(Start: 1 @59760 has 9 MA's), (2, 59598),

Gene: Erenyeager_115 Start: 59331, Stop: 58990, Start Num: 1
Candidate Starts for Erenyeager_115:
(Start: 1 @59331 has 9 MA's), (2, 59169),

Gene: Fork_111 Start: 58580, Stop: 58239, Start Num: 1
Candidate Starts for Fork_111:
(Start: 1 @58580 has 9 MA's), (2, 58418),

Gene: Lyell_115 Start: 58837, Stop: 58496, Start Num: 1
Candidate Starts for Lyell_115:
(Start: 1 @58837 has 9 MA's), (2, 58675),

Gene: Musetta_113 Start: 59384, Stop: 59043, Start Num: 1
Candidate Starts for Musetta_113:
(Start: 1 @59384 has 9 MA's), (2, 59222),

Gene: Necrophoxinus_116 Start: 59913, Stop: 59572, Start Num: 1
Candidate Starts for Necrophoxinus_116:
(Start: 1 @59913 has 9 MA's), (2, 59751),

Gene: RunningBrook_117 Start: 59760, Stop: 59419, Start Num: 1
Candidate Starts for RunningBrook_117:
(Start: 1 @59760 has 9 MA's), (2, 59598),

Gene: StevieWelch_118 Start: 59835, Stop: 59494, Start Num: 1
Candidate Starts for StevieWelch_118:
(Start: 1 @59835 has 9 MA's), (2, 59673), (3, 59592),

Gene: Welcome_117 Start: 59733, Stop: 59392, Start Num: 1
Candidate Starts for Welcome_117:
(Start: 1 @59733 has 9 MA's), (2, 59571),

Gene: Yuma_113 Start: 58721, Stop: 58380, Start Num: 1
Candidate Starts for Yuma_113:
(Start: 1 @58721 has 9 MA's),