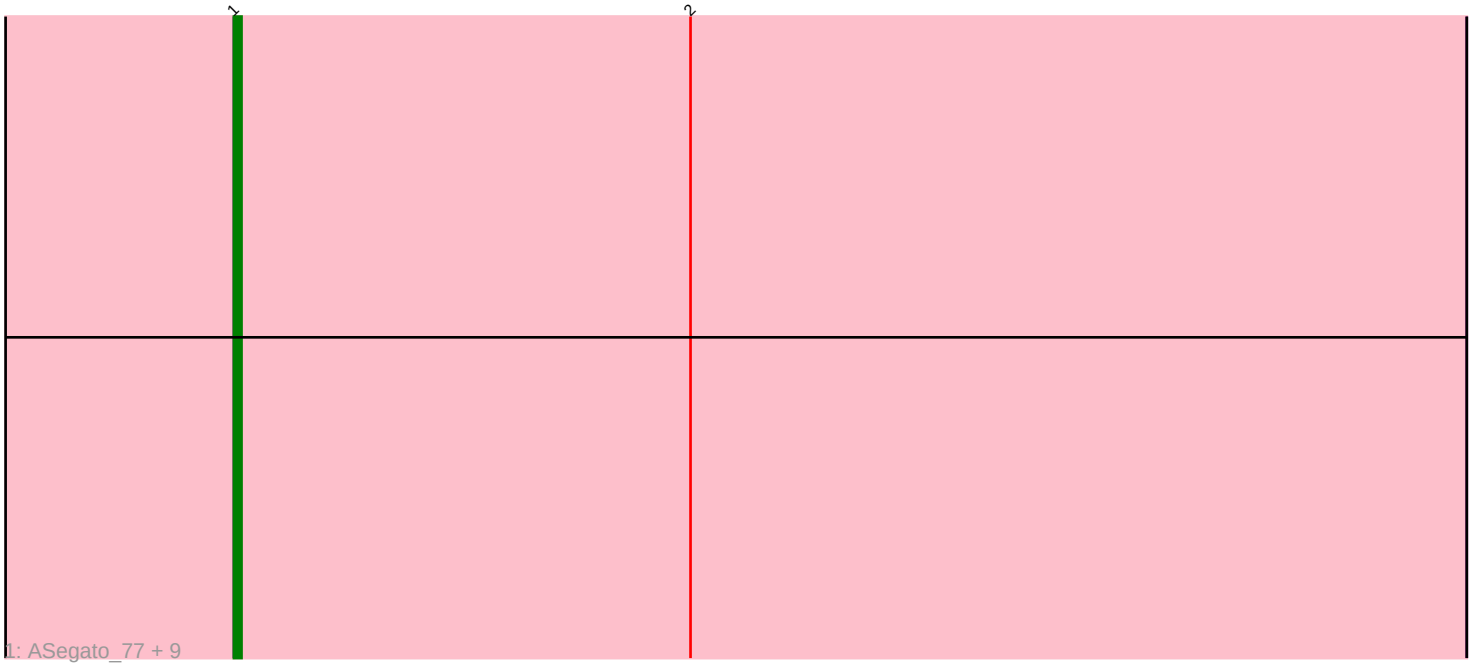
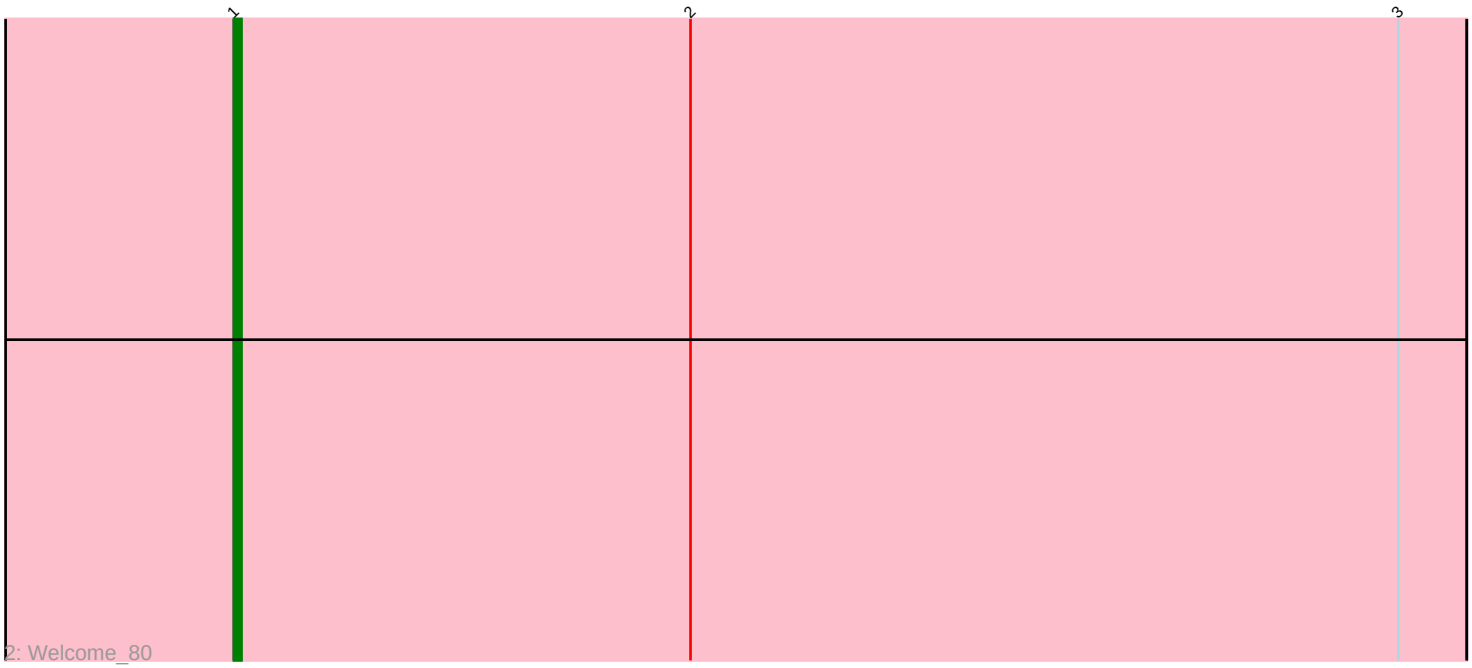
Pham 6219





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 6219 Report

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

Pham number 6219 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : ASegato_77, Lyell_78, RunningBrook_81, Fork_74, Erenyeager_79, Yuma_77, DustyDino_82, StevieWelch_79, Necrophoxinus_80, Musetta_78
• Track 2 : Welcome_80

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_77, DustyDino_82, Erenyeager_79, Fork_74, Lyell_78, Musetta_78, Necrophoxinus_80, RunningBrook_81, StevieWelch_79, Welcome_80, Yuma_77,

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_77 (ED2), DustyDino_82 (ED2), Erenyeager_79 (ED2), Fork_74 (ED2), Lyell_78 (ED2), Musetta_78 (ED2), Necrophoxinus_80 (ED2), RunningBrook_81 (ED2), StevieWelch_79 (ED2), Welcome_80 (ED2), Yuma_77 (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_77 Start: 44726, Stop: 44565, Start Num: 1
Candidate Starts for ASegato_77:
(Start: 1 @44726 has 9 MA's), (2, 44666),

Gene: DustyDino_82 Start: 45689, Stop: 45528, Start Num: 1
Candidate Starts for DustyDino_82:
(Start: 1 @45689 has 9 MA's), (2, 45629),

Gene: Erenyeager_79 Start: 44781, Stop: 44620, Start Num: 1
Candidate Starts for Erenyeager_79:
(Start: 1 @44781 has 9 MA's), (2, 44721),

Gene: Fork_74 Start: 44436, Stop: 44275, Start Num: 1
Candidate Starts for Fork_74:
(Start: 1 @44436 has 9 MA's), (2, 44376),

Gene: Lyell_78 Start: 44635, Stop: 44474, Start Num: 1
Candidate Starts for Lyell_78:
(Start: 1 @44635 has 9 MA's), (2, 44575),

Gene: Musetta_78 Start: 45156, Stop: 44995, Start Num: 1
Candidate Starts for Musetta_78:
(Start: 1 @45156 has 9 MA's), (2, 45096),

Gene: Necrophoxinus_80 Start: 45330, Stop: 45169, Start Num: 1
Candidate Starts for Necrophoxinus_80:
(Start: 1 @45330 has 9 MA's), (2, 45270),

Gene: RunningBrook_81 Start: 45689, Stop: 45528, Start Num: 1
Candidate Starts for RunningBrook_81:
(Start: 1 @45689 has 9 MA's), (2, 45629),

Gene: StevieWelch_79 Start: 44781, Stop: 44620, Start Num: 1
Candidate Starts for StevieWelch_79:
(Start: 1 @44781 has 9 MA's), (2, 44721),

Gene: Welcome_80 Start: 45141, Stop: 44980, Start Num: 1
Candidate Starts for Welcome_80:
(Start: 1 @45141 has 9 MA's), (2, 45081), (3, 44988),

Gene: Yuma_77 Start: 44650, Stop: 44489, Start Num: 1
Candidate Starts for Yuma_77:
(Start: 1 @44650 has 9 MA's), (2, 44590),