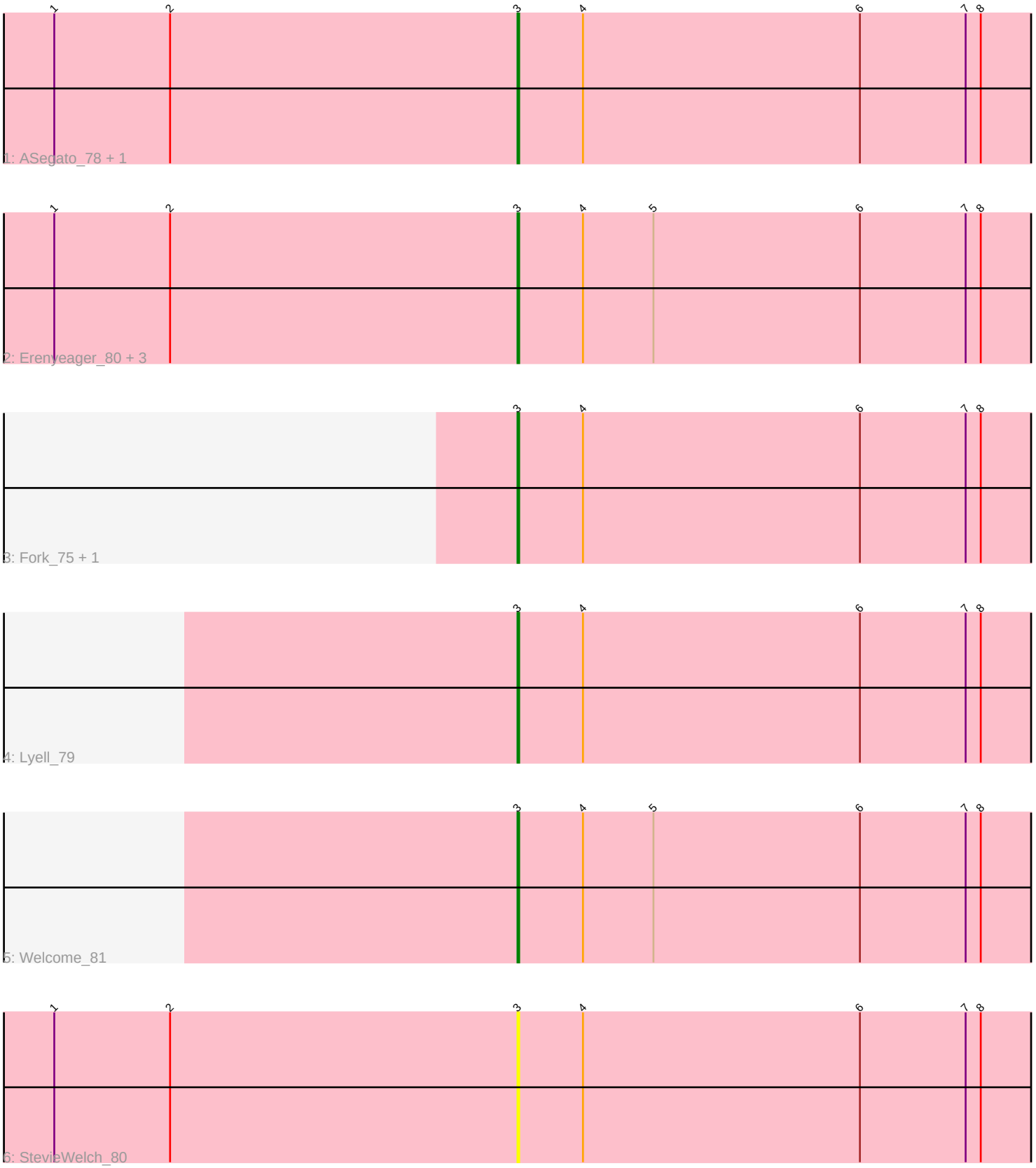
Pham 87304


1
2
3
4
6
7
8
1: ASegato_78 + 1
1
2
3
4
5
6
7
8
2: Erenyeager_80 + 3
3
4
6
7
8
3: Fork_75 + 1
3
4
6
7
8
4: Lyell_79
3
4
5
6
7
8
5: Welcome_81
1
2
3
4
6
7
8
6: StevieWelch_80

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 87304 Report

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

Pham number 87304 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : ASegato_78, Necrophoxinus_81
• Track 2 : Erenyeager_80, DustyDino_83, Yuma_78, RunningBrook_82
• Track 3 : Fork_75, Musetta_79
• Track 4 : Lyell_79
• Track 5 : Welcome_81
• Track 6 : StevieWelch_80

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_78, DustyDino_83, Erenyeager_80, Fork_75, Lyell_79, Musetta_79, Necrophoxinus_81, RunningBrook_82, StevieWelch_80, Welcome_81, Yuma_78,

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 3:
• 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_78 (ED2), DustyDino_83 (ED2), Erenyeager_80 (ED2), Fork_75 (ED2), Lyell_79 (ED2), Musetta_79 (ED2), Necrophoxinus_81 (ED2), RunningBrook_82 (ED2), StevieWelch_80 (ED2), Welcome_81 (ED2), Yuma_78 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:
•Start number 3 was manually annotated 9 times for cluster ED2.

Gene Information:

Gene: ASegato_78 Start: 45042, Stop: 44719, Start Num: 3
Candidate Starts for ASegato_78:
(1, 45318), (2, 45249), (Start: 3 @45042 has 9 MA's), (4, 45003), (6, 44838), (7, 44775), (8, 44766),

Gene: DustyDino_83 Start: 46005, Stop: 45682, Start Num: 3
Candidate Starts for DustyDino_83:
(1, 46281), (2, 46212), (Start: 3 @46005 has 9 MA's), (4, 45966), (5, 45924), (6, 45801), (7, 45738), (8, 45729),

Gene: Erenyeager_80 Start: 45097, Stop: 44774, Start Num: 3
Candidate Starts for Erenyeager_80:
(1, 45373), (2, 45304), (Start: 3 @45097 has 9 MA's), (4, 45058), (5, 45016), (6, 44893), (7, 44830), (8, 44821),

Gene: Fork_75 Start: 44752, Stop: 44429, Start Num: 3
Candidate Starts for Fork_75:
(Start: 3 @44752 has 9 MA's), (4, 44713), (6, 44548), (7, 44485), (8, 44476),

Gene: Lyell_79 Start: 44951, Stop: 44628, Start Num: 3
Candidate Starts for Lyell_79:
(Start: 3 @44951 has 9 MA's), (4, 44912), (6, 44747), (7, 44684), (8, 44675),

Gene: Musetta_79 Start: 45472, Stop: 45149, Start Num: 3
Candidate Starts for Musetta_79:
(Start: 3 @45472 has 9 MA's), (4, 45433), (6, 45268), (7, 45205), (8, 45196),

Gene: Necrophoxinus_81 Start: 45646, Stop: 45323, Start Num: 3
Candidate Starts for Necrophoxinus_81:
(1, 45922), (2, 45853), (Start: 3 @45646 has 9 MA's), (4, 45607), (6, 45442), (7, 45379), (8, 45370),

Gene: RunningBrook_82 Start: 46005, Stop: 45682, Start Num: 3
Candidate Starts for RunningBrook_82:
(1, 46281), (2, 46212), (Start: 3 @46005 has 9 MA's), (4, 45966), (5, 45924), (6, 45801), (7, 45738), (8, 45729),

Gene: StevieWelch_80 Start: 45097, Stop: 44774, Start Num: 3
Candidate Starts for StevieWelch_80:
(1, 45373), (2, 45304), (Start: 3 @45097 has 9 MA's), (4, 45058), (6, 44893), (7, 44830), (8, 44821),

Gene: Welcome_81 Start: 45457, Stop: 45134, Start Num: 3
Candidate Starts for Welcome_81:
(Start: 3 @45457 has 9 MA's), (4, 45418), (5, 45376), (6, 45253), (7, 45190), (8, 45181),

Gene: Yuma_78 Start: 44966, Stop: 44643, Start Num: 3
Candidate Starts for Yuma_78:
(1, 45242), (2, 45173), (Start: 3 @44966 has 9 MA's), (4, 44927), (5, 44885), (6, 44762), (7, 44699), (8, 44690),