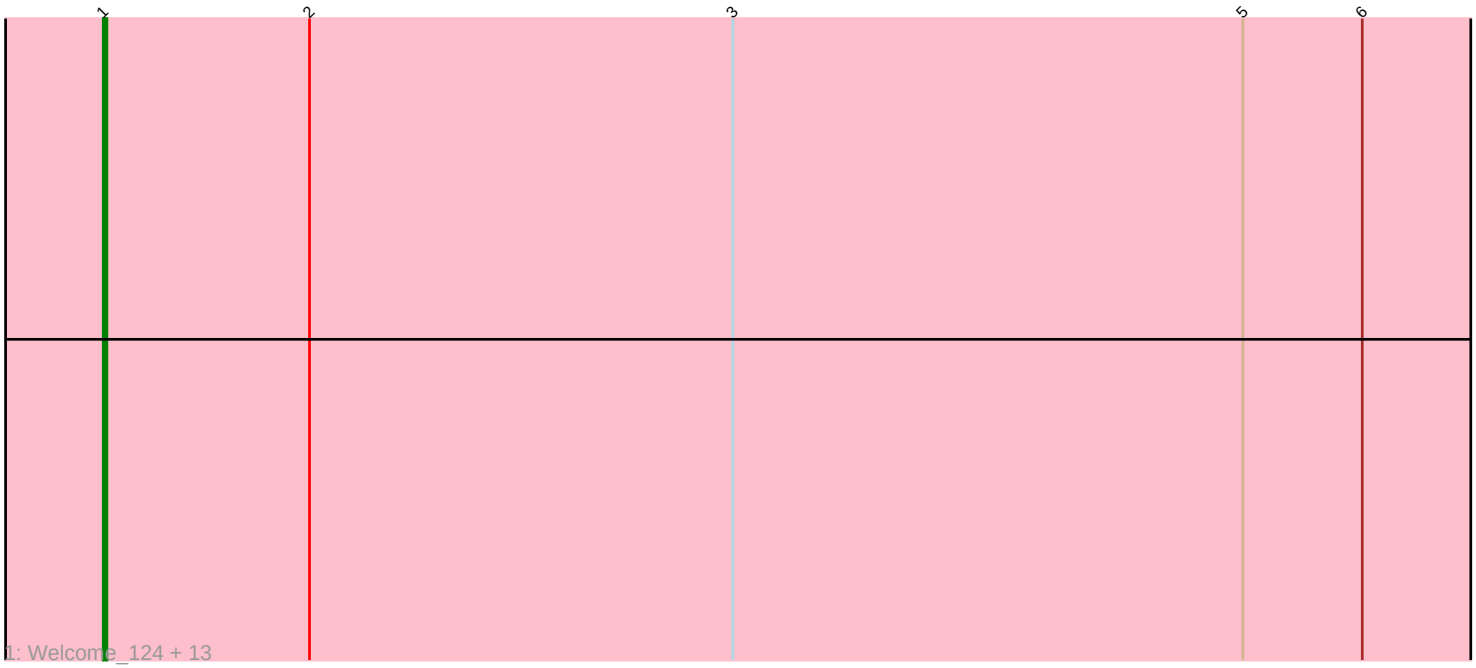
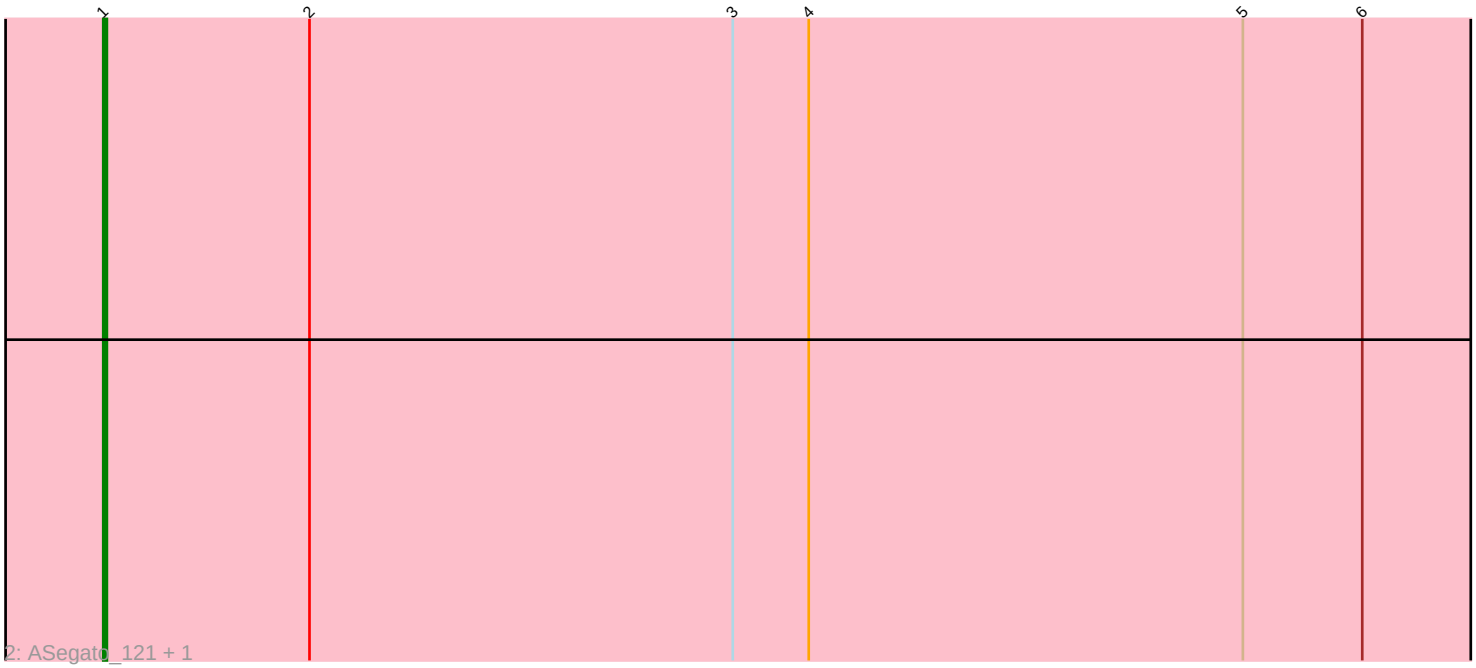
Pham 86921





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 86921 Report

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

Pham number 86921 has 16 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Welcome_124, DustyDino_7, Musetta_7, Welcome_7, Necrophoxinus_123, StevieWelch_7, Musetta_120, Yuma_7, StevieWelch_125, DustyDino_125, Yuma_120, Necrophoxinus_7, RunningBrook_125, RunningBrook_7
• Track 2 : ASegato_121, ASegato_7

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_121, ASegato_7, DustyDino_125, DustyDino_7, Musetta_120, Musetta_7, Necrophoxinus_123, Necrophoxinus_7, RunningBrook_125, RunningBrook_7, StevieWelch_125, StevieWelch_7, Welcome_124, Welcome_7, Yuma_120, Yuma_7,

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 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_121 (ED2), ASegato_7 (ED2), DustyDino_125 (ED2), DustyDino_7 (ED2), Musetta_120 (ED2), Musetta_7 (ED2), Necrophoxinus_123 (ED2), Necrophoxinus_7 (ED2), RunningBrook_125 (ED2), RunningBrook_7 (ED2), StevieWelch_125 (ED2), StevieWelch_7 (ED2), Welcome_124 (ED2), Welcome_7 (ED2), Yuma_120 (ED2), Yuma_7 (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 12 times for cluster ED2.

Gene Information:

Gene: ASegato_121 Start: 62105, Stop: 61719, Start Num: 1
Candidate Starts for ASegato_121:
(Start: 1 @62105 has 12 MA's), (2, 62048), (3, 61931), (4, 61910), (5, 61790), (6, 61757),

Gene: ASegato_7 Start: 2656, Stop: 2270, Start Num: 1
Candidate Starts for ASegato_7:
(Start: 1 @2656 has 12 MA's), (2, 2599), (3, 2482), (4, 2461), (5, 2341), (6, 2308),

Gene: DustyDino_7 Start: 2692, Stop: 2306, Start Num: 1
Candidate Starts for DustyDino_7:
(Start: 1 @2692 has 12 MA's), (2, 2635), (3, 2518), (5, 2377), (6, 2344),

Gene: DustyDino_125 Start: 62782, Stop: 62396, Start Num: 1
Candidate Starts for DustyDino_125:
(Start: 1 @62782 has 12 MA's), (2, 62725), (3, 62608), (5, 62467), (6, 62434),

Gene: Musetta_7 Start: 2668, Stop: 2282, Start Num: 1
Candidate Starts for Musetta_7:
(Start: 1 @2668 has 12 MA's), (2, 2611), (3, 2494), (5, 2353), (6, 2320),

Gene: Musetta_120 Start: 62463, Stop: 62077, Start Num: 1
Candidate Starts for Musetta_120:
(Start: 1 @62463 has 12 MA's), (2, 62406), (3, 62289), (5, 62148), (6, 62115),

Gene: Necrophoxinus_123 Start: 62723, Stop: 62337, Start Num: 1
Candidate Starts for Necrophoxinus_123:
(Start: 1 @62723 has 12 MA's), (2, 62666), (3, 62549), (5, 62408), (6, 62375),

Gene: Necrophoxinus_7 Start: 2480, Stop: 2094, Start Num: 1
Candidate Starts for Necrophoxinus_7:
(Start: 1 @2480 has 12 MA's), (2, 2423), (3, 2306), (5, 2165), (6, 2132),

Gene: RunningBrook_125 Start: 62782, Stop: 62396, Start Num: 1
Candidate Starts for RunningBrook_125:
(Start: 1 @62782 has 12 MA's), (2, 62725), (3, 62608), (5, 62467), (6, 62434),

Gene: RunningBrook_7 Start: 2692, Stop: 2306, Start Num: 1
Candidate Starts for RunningBrook_7:
(Start: 1 @2692 has 12 MA's), (2, 2635), (3, 2518), (5, 2377), (6, 2344),

Gene: StevieWelch_7 Start: 2553, Stop: 2167, Start Num: 1
Candidate Starts for StevieWelch_7:
(Start: 1 @2553 has 12 MA's), (2, 2496), (3, 2379), (5, 2238), (6, 2205),

Gene: StevieWelch_125 Start: 62799, Stop: 62413, Start Num: 1
Candidate Starts for StevieWelch_125:
(Start: 1 @62799 has 12 MA's), (2, 62742), (3, 62625), (5, 62484), (6, 62451),

Gene: Welcome_124 Start: 62811, Stop: 62425, Start Num: 1
Candidate Starts for Welcome_124:
(Start: 1 @62811 has 12 MA's), (2, 62754), (3, 62637), (5, 62496), (6, 62463),

Gene: Welcome_7 Start: 2667, Stop: 2281, Start Num: 1
Candidate Starts for Welcome_7:
(Start: 1 @2667 has 12 MA's), (2, 2610), (3, 2493), (5, 2352), (6, 2319),

Gene: Yuma_7 Start: 2563, Stop: 2177, Start Num: 1
Candidate Starts for Yuma_7:
(Start: 1 @2563 has 12 MA's), (2, 2506), (3, 2389), (5, 2248), (6, 2215),

Gene: Yuma_120 Start: 61614, Stop: 61228, Start Num: 1
Candidate Starts for Yuma_120:
(Start: 1 @61614 has 12 MA's), (2, 61557), (3, 61440), (5, 61299), (6, 61266),