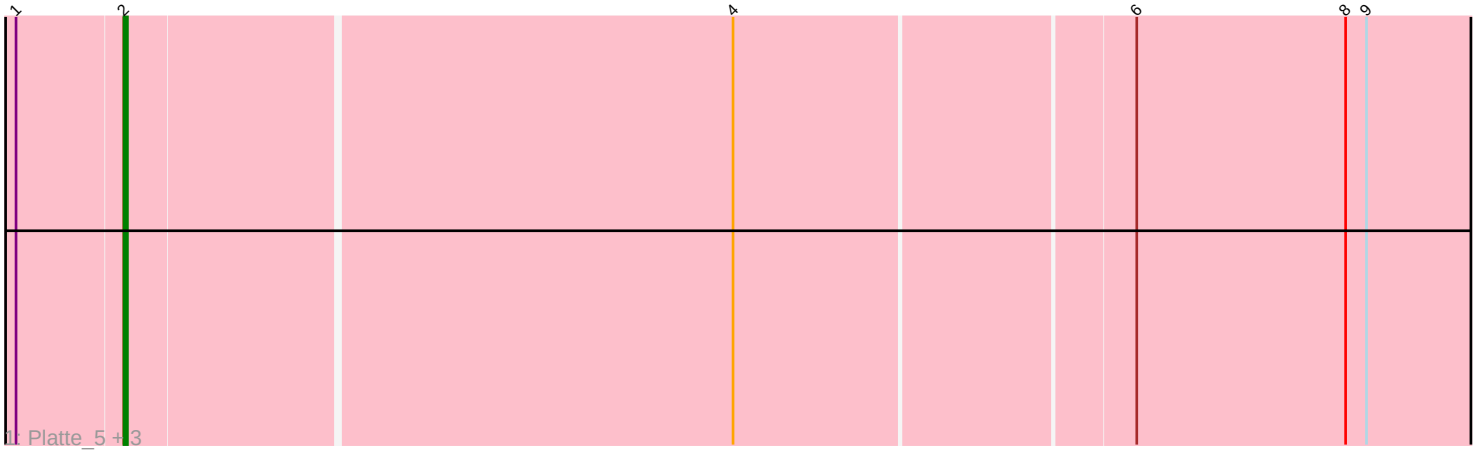
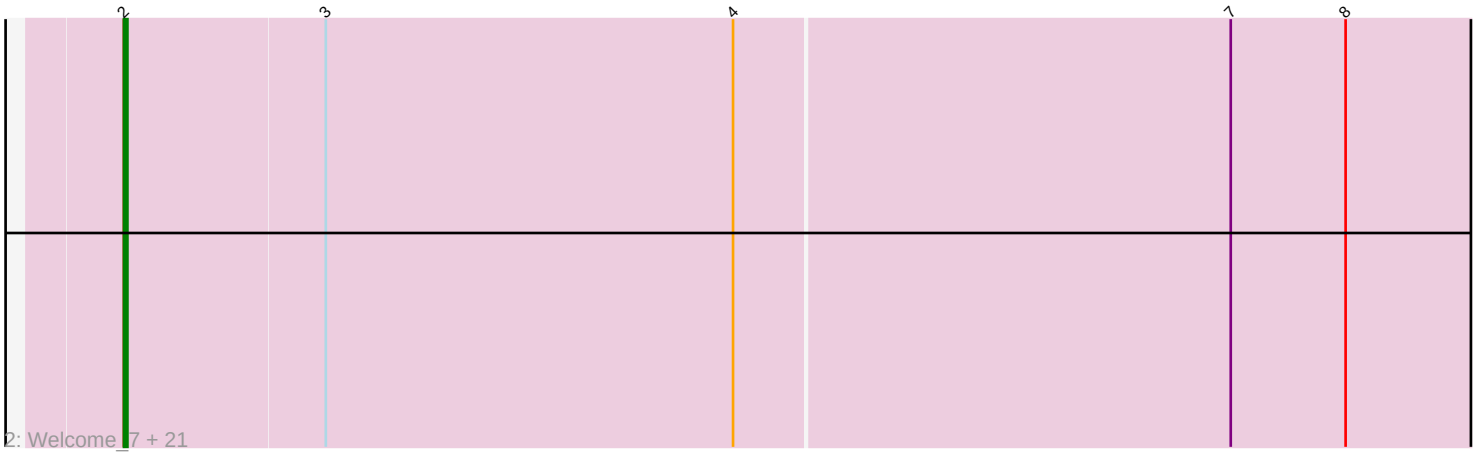
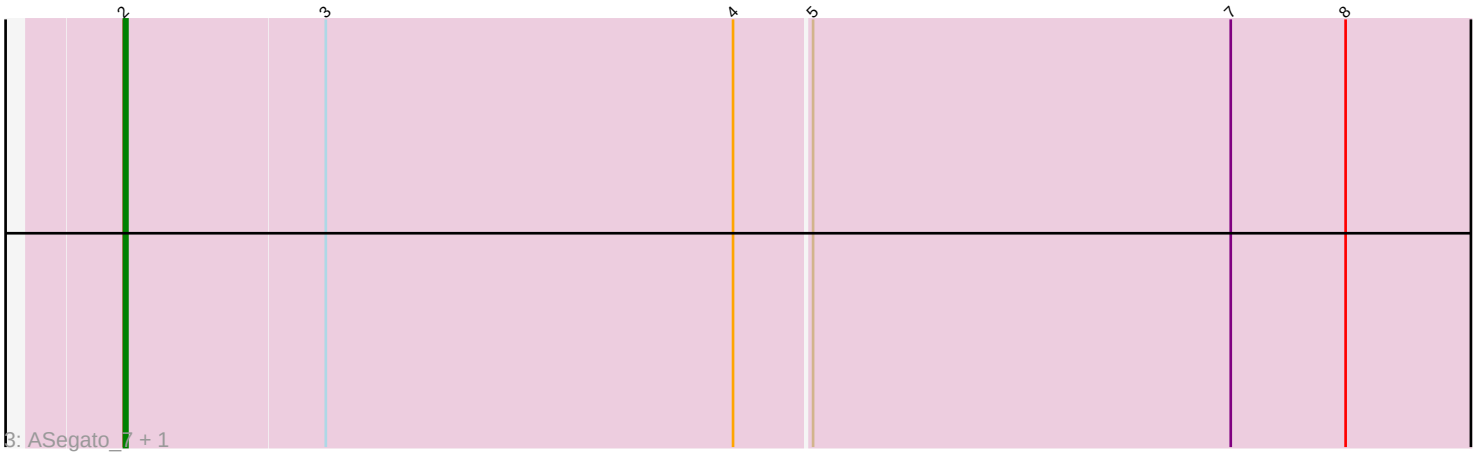
# Pham 309066



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 309066 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309066 has 28 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Platte_5, Tandem_5, Platte_115, Tandem_116
• Track 2 : Welcome_7, Necrophoxinus_123, RunningBrook_122, HollowPurple_123, Casablancas_6, Deschain_6, Deschain_120, StevieWelch_7, Necrophoxinus_7, DustyDino_125, SteakFry_7, DustyDino_7, Casablancas_121, Musetta_120, Yuma_120, RunningBrook_6, Welcome_124, Musetta_7, HollowPurple_7, StevieWelch_125, SteakFry_125, Yuma_7
• Track 3 : ASegato_7, ASegato_121

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

The start number called the most often in the published annotations is 2, it was called in 26 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_121, ASegato_7, Casablancas_121, Casablancas_6, Deschain_120, Deschain_6, DustyDino_125, DustyDino_7, HollowPurple_123, HollowPurple_7, Musetta_120, Musetta_7, Necrophoxinus_123, Necrophoxinus_7, Platte_115, Platte_5, RunningBrook_122, RunningBrook_6, SteakFry_125, SteakFry_7, StevieWelch_125, StevieWelch_7, Tandem_116, Tandem_5, 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 2:
• Found in 28 of 28 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 26 of 26
• Called 100.0% of time when present

• Phage (with cluster) where this start called: ASegato_121 (ED2), ASegato_7 (ED2), Casablancas_121 (ED2), Casablancas_6 (ED2), Deschain_120 (ED2), Deschain_6 (ED2), DustyDino_125 (ED2), DustyDino_7 (ED2), HollowPurple_123 (ED2), HollowPurple_7 (ED2), Musetta_120 (ED2), Musetta_7 (ED2), Necrophoxinus_123 (ED2), Necrophoxinus_7 (ED2), Platte_115 (ED1), Platte_5 (ED1), RunningBrook_122 (ED2), RunningBrook_6 (ED2), SteakFry_125 (ED2), SteakFry_7 (ED2), StevieWelch_125 (ED2), StevieWelch_7 (ED2), Tandem_116 (ED1), Tandem_5 (ED1), Welcome_124 (ED2), Welcome_7 (ED2), Yuma_120 (ED2), Yuma_7 (ED2),

**Summary by clusters:**

There are 2 clusters represented in this pham: ED2, ED1,

Info for manual annotations of cluster ED1:
•Start number 2 was manually annotated 4 times for cluster ED1.

Info for manual annotations of cluster ED2:
•Start number 2 was manually annotated 22 times for cluster ED2.

***Gene Information:***

Gene: ASegato_7 Start: 2656, Stop: 2270, Start Num: 2
Candidate Starts for ASegato_7:
(Start: 2 @2656 has 26 MA's), (3, 2599), (4, 2482), (5, 2461), (7, 2341), (8, 2308),

Gene: ASegato_121 Start: 62105, Stop: 61719, Start Num: 2
Candidate Starts for ASegato_121:
(Start: 2 @62105 has 26 MA's), (3, 62048), (4, 61931), (5, 61910), (7, 61790), (8, 61757),

Gene: Casablancas_6 Start: 2450, Stop: 2064, Start Num: 2
Candidate Starts for Casablancas_6:
(Start: 2 @2450 has 26 MA's), (3, 2393), (4, 2276), (7, 2135), (8, 2102),

Gene: Casablancas_121 Start: 61467, Stop: 61081, Start Num: 2
Candidate Starts for Casablancas_121:
(Start: 2 @61467 has 26 MA's), (3, 61410), (4, 61293), (7, 61152), (8, 61119),

Gene: Deschain_6 Start: 2556, Stop: 2170, Start Num: 2
Candidate Starts for Deschain_6:
(Start: 2 @2556 has 26 MA's), (3, 2499), (4, 2382), (7, 2241), (8, 2208),

Gene: Deschain_120 Start: 62137, Stop: 61751, Start Num: 2
Candidate Starts for Deschain_120:
(Start: 2 @62137 has 26 MA's), (3, 62080), (4, 61963), (7, 61822), (8, 61789),

Gene: DustyDino_125 Start: 62782, Stop: 62396, Start Num: 2
Candidate Starts for DustyDino_125:
(Start: 2 @62782 has 26 MA's), (3, 62725), (4, 62608), (7, 62467), (8, 62434),

Gene: DustyDino_7 Start: 2692, Stop: 2306, Start Num: 2

Candidate Starts for DustyDino_7:
(Start: 2 @2692 has 26 MA's), (3, 2635), (4, 2518), (7, 2377), (8, 2344),

Gene: HollowPurple_123 Start: 62727, Stop: 62341, Start Num: 2
Candidate Starts for HollowPurple_123:
(Start: 2 @62727 has 26 MA's), (3, 62670), (4, 62553), (7, 62412), (8, 62379),

Gene: HollowPurple_7 Start: 2654, Stop: 2268, Start Num: 2
Candidate Starts for HollowPurple_7:
(Start: 2 @2654 has 26 MA's), (3, 2597), (4, 2480), (7, 2339), (8, 2306),

Gene: Musetta_120 Start: 62463, Stop: 62077, Start Num: 2
Candidate Starts for Musetta_120:
(Start: 2 @62463 has 26 MA's), (3, 62406), (4, 62289), (7, 62148), (8, 62115),

Gene: Musetta_7 Start: 2668, Stop: 2282, Start Num: 2
Candidate Starts for Musetta_7:
(Start: 2 @2668 has 26 MA's), (3, 2611), (4, 2494), (7, 2353), (8, 2320),

Gene: Necrophoxinus_123 Start: 62723, Stop: 62337, Start Num: 2
Candidate Starts for Necrophoxinus_123:
(Start: 2 @62723 has 26 MA's), (3, 62666), (4, 62549), (7, 62408), (8, 62375),

Gene: Necrophoxinus_7 Start: 2480, Stop: 2094, Start Num: 2
Candidate Starts for Necrophoxinus_7:
(Start: 2 @2480 has 26 MA's), (3, 2423), (4, 2306), (7, 2165), (8, 2132),

Gene: Platte_5 Start: 2255, Stop: 1875, Start Num: 2
Candidate Starts for Platte_5:
(1, 2285), (Start: 2 @2255 has 26 MA's), (4, 2084), (6, 1973), (8, 1913), (9, 1907),

Gene: Platte_115 Start: 61803, Stop: 61423, Start Num: 2
Candidate Starts for Platte_115:
(1, 61833), (Start: 2 @61803 has 26 MA's), (4, 61632), (6, 61521), (8, 61461), (9, 61455),

Gene: RunningBrook_122 Start: 62782, Stop: 62396, Start Num: 2
Candidate Starts for RunningBrook_122:
(Start: 2 @62782 has 26 MA's), (3, 62725), (4, 62608), (7, 62467), (8, 62434),

Gene: RunningBrook_6 Start: 2692, Stop: 2306, Start Num: 2
Candidate Starts for RunningBrook_6:
(Start: 2 @2692 has 26 MA's), (3, 2635), (4, 2518), (7, 2377), (8, 2344),

Gene: SteakFry_7 Start: 2654, Stop: 2268, Start Num: 2
Candidate Starts for SteakFry_7:
(Start: 2 @2654 has 26 MA's), (3, 2597), (4, 2480), (7, 2339), (8, 2306),

Gene: SteakFry_125 Start: 62727, Stop: 62341, Start Num: 2
Candidate Starts for SteakFry_125:
(Start: 2 @62727 has 26 MA's), (3, 62670), (4, 62553), (7, 62412), (8, 62379),

Gene: StevieWelch_7 Start: 2553, Stop: 2167, Start Num: 2
Candidate Starts for StevieWelch_7:

(Start: 2 @2553 has 26 MA's), (3, 2496), (4, 2379), (7, 2238), (8, 2205),

Gene: StevieWelch_125 Start: 62799, Stop: 62413, Start Num: 2
Candidate Starts for StevieWelch_125:
(Start: 2 @62799 has 26 MA's), (3, 62742), (4, 62625), (7, 62484), (8, 62451),

Gene: Tandem_5 Start: 2360, Stop: 1980, Start Num: 2
Candidate Starts for Tandem_5:
(1, 2390), (Start: 2 @2360 has 26 MA's), (4, 2189), (6, 2078), (8, 2018), (9, 2012),

Gene: Tandem_116 Start: 62203, Stop: 61823, Start Num: 2
Candidate Starts for Tandem_116:
(1, 62233), (Start: 2 @62203 has 26 MA's), (4, 62032), (6, 61921), (8, 61861), (9, 61855),

Gene: Welcome_7 Start: 2667, Stop: 2281, Start Num: 2
Candidate Starts for Welcome_7:
(Start: 2 @2667 has 26 MA's), (3, 2610), (4, 2493), (7, 2352), (8, 2319),

Gene: Welcome_124 Start: 62811, Stop: 62425, Start Num: 2
Candidate Starts for Welcome_124:
(Start: 2 @62811 has 26 MA's), (3, 62754), (4, 62637), (7, 62496), (8, 62463),

Gene: Yuma_120 Start: 61614, Stop: 61228, Start Num: 2
Candidate Starts for Yuma_120:
(Start: 2 @61614 has 26 MA's), (3, 61557), (4, 61440), (7, 61299), (8, 61266),

Gene: Yuma_7 Start: 2563, Stop: 2177, Start Num: 2
Candidate Starts for Yuma_7:
(Start: 2 @2563 has 26 MA's), (3, 2506), (4, 2389), (7, 2248), (8, 2215),