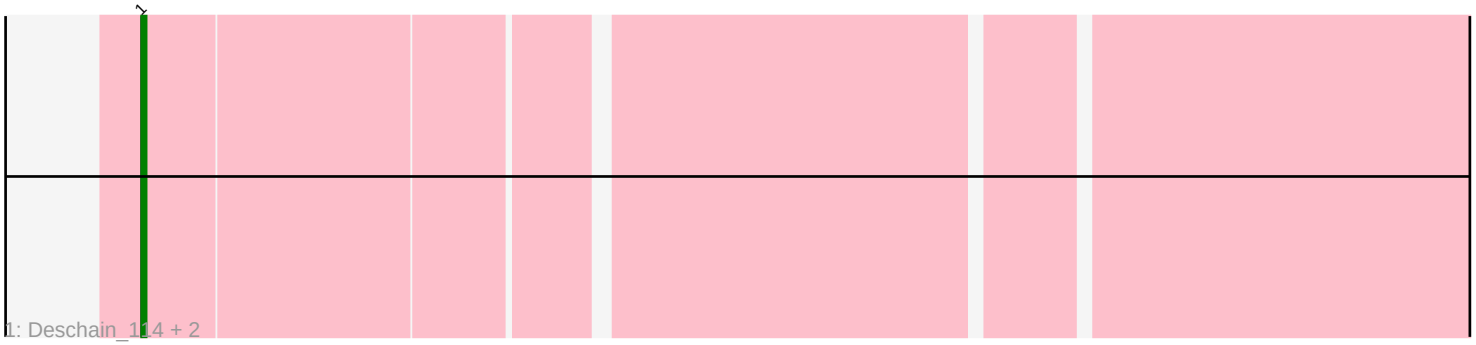
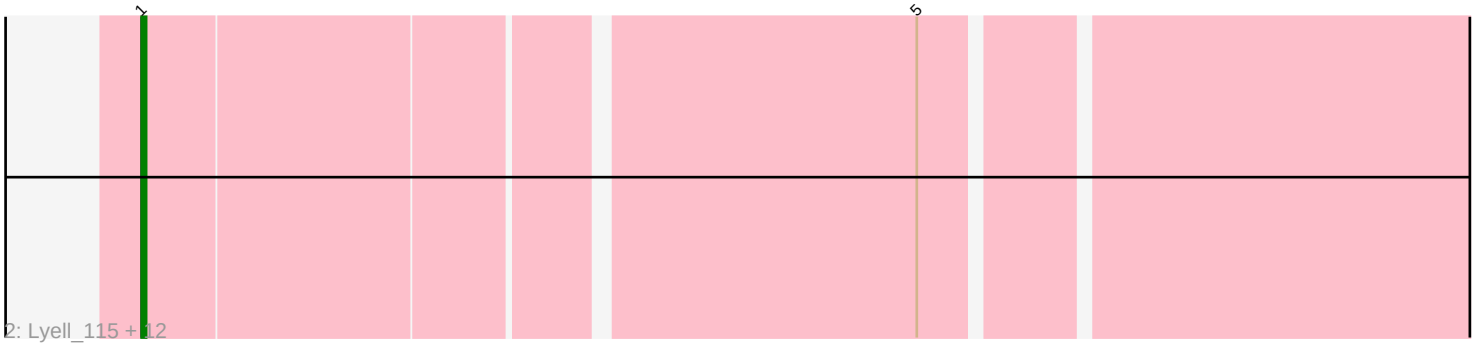
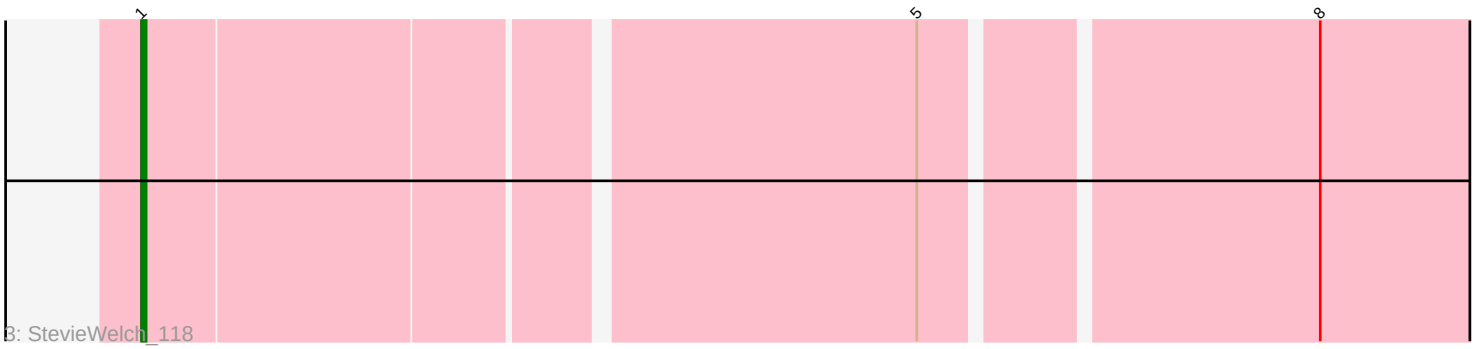
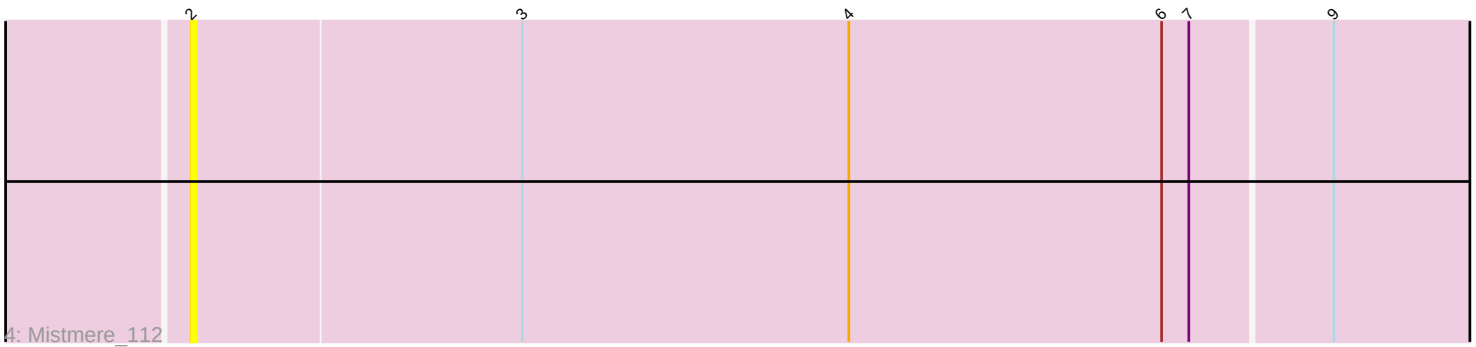
Pham 309377


1
1: Deschain_114 + 2


1
5
2: Lyell_115 + 12


1
5
8
3: StevieWelch_118


2
3
4
6
7
9
4: Mistmere_112

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 309377 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309377 has 18 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Deschain_114, Yuma_113, Shroomer_121
• Track 2 : Lyell_115, Fork_111, SteakFry_118, DustyDino_118, ASegato_114, Welcome_117, Erenyeager_115, Issa7_114, RunningBrook_116, Necrophoxinus_116, Musetta_113, Casablancas_115, HollowPurple_116
• Track 3 : StevieWelch_118
• Track 4 : Mistmere_112

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_114, Casablancas_115, Deschain_114, DustyDino_118, Erenyeager_115, Fork_111, HollowPurple_116, Issa7_114, Lyell_115, Musetta_113, Necrophoxinus_116, RunningBrook_116, Shroomer_121, SteakFry_118, 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:
• Mistmere_112,

Summary by start number:

Start 1:
• Found in 17 of 18 (94.4%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_114 (ED2), Casablancas_115 (ED2), Deschain_114 (ED2), DustyDino_118 (ED2), Erenyeager_115 (ED2), Fork_111 (ED2), HollowPurple_116 (ED2), Issa7_114 (ED2), Lyell_115 (ED2), Musetta_113 (ED2), Necrophoxinus_116 (ED2), RunningBrook_116 (ED2),

Shroomer_121 (ED2), SteakFry_118 (ED2), StevieWelch_118 (ED2), Welcome_117 (ED2), Yuma_113 (ED2),

Start 2:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mistmere_112 (ED3),

Summary by clusters:

There are 2 clusters represented in this pham: ED2, ED3,

Info for manual annotations of cluster ED2:
•Start number 1 was manually annotated 15 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 15 MA's), (5, 58876),

Gene: Casablancas_115 Start: 58687, Stop: 58346, Start Num: 1
Candidate Starts for Casablancas_115:
(Start: 1 @58687 has 15 MA's), (5, 58525),

Gene: Deschain_114 Start: 59251, Stop: 58910, Start Num: 1
Candidate Starts for Deschain_114:
(Start: 1 @59251 has 15 MA's),

Gene: DustyDino_118 Start: 59760, Stop: 59419, Start Num: 1
Candidate Starts for DustyDino_118:
(Start: 1 @59760 has 15 MA's), (5, 59598),

Gene: Erenyeager_115 Start: 59331, Stop: 58990, Start Num: 1
Candidate Starts for Erenyeager_115:
(Start: 1 @59331 has 15 MA's), (5, 59169),

Gene: Fork_111 Start: 58580, Stop: 58239, Start Num: 1
Candidate Starts for Fork_111:
(Start: 1 @58580 has 15 MA's), (5, 58418),

Gene: HollowPurple_116 Start: 59662, Stop: 59321, Start Num: 1
Candidate Starts for HollowPurple_116:
(Start: 1 @59662 has 15 MA's), (5, 59500),

Gene: Issa7_114 Start: 58828, Stop: 58487, Start Num: 1
Candidate Starts for Issa7_114:
(Start: 1 @58828 has 15 MA's), (5, 58666),

Gene: Lyell_115 Start: 58837, Stop: 58496, Start Num: 1
Candidate Starts for Lyell_115:
(Start: 1 @58837 has 15 MA's), (5, 58675),

Gene: Mistmere_112 Start: 57235, Stop: 56903, Start Num: 2
Candidate Starts for Mistmere_112:
(2, 57235), (3, 57163), (4, 57091), (6, 57022), (7, 57016), (9, 56986),

Gene: Musetta_113 Start: 59384, Stop: 59043, Start Num: 1
Candidate Starts for Musetta_113:
(Start: 1 @59384 has 15 MA's), (5, 59222),

Gene: Necrophoxinus_116 Start: 59913, Stop: 59572, Start Num: 1
Candidate Starts for Necrophoxinus_116:
(Start: 1 @59913 has 15 MA's), (5, 59751),

Gene: RunningBrook_116 Start: 59760, Stop: 59419, Start Num: 1
Candidate Starts for RunningBrook_116:
(Start: 1 @59760 has 15 MA's), (5, 59598),

Gene: Shroomer_121 Start: 59599, Stop: 59258, Start Num: 1
Candidate Starts for Shroomer_121:
(Start: 1 @59599 has 15 MA's),

Gene: SteakFry_118 Start: 59662, Stop: 59321, Start Num: 1
Candidate Starts for SteakFry_118:
(Start: 1 @59662 has 15 MA's), (5, 59500),

Gene: StevieWelch_118 Start: 59835, Stop: 59494, Start Num: 1
Candidate Starts for StevieWelch_118:
(Start: 1 @59835 has 15 MA's), (5, 59673), (8, 59592),

Gene: Welcome_117 Start: 59733, Stop: 59392, Start Num: 1
Candidate Starts for Welcome_117:
(Start: 1 @59733 has 15 MA's), (5, 59571),

Gene: Yuma_113 Start: 58721, Stop: 58380, Start Num: 1
Candidate Starts for Yuma_113:
(Start: 1 @58721 has 15 MA's),