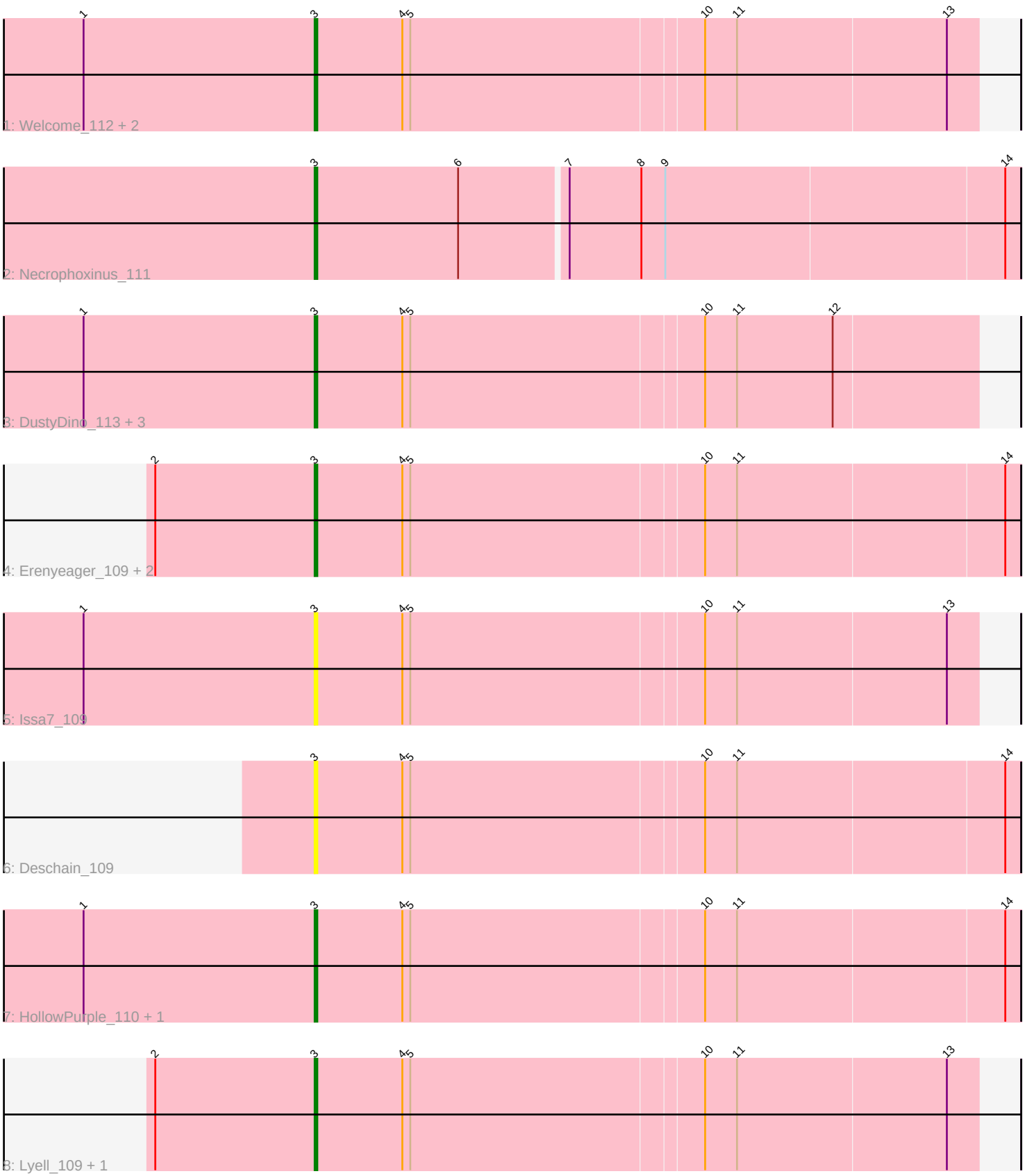
Pham 284235


1
3
4
5
10
11
13
1: Welcome_112 + 2
3
6
7
8
9
14
2: Necrophoxinus_111
1
3
4
5
10
11
12
3: DustyDino_113 + 3
2
3
4
5
10
11
14
4: Erenyeager_109 + 2
1
3
4
5
10
11
13
5: Issa7_109
3
4
5
10
11
14
6: Deschain_109
1
3
4
5
10
11
14
7: HollowPurple_110 + 1
2
3
4
5
10
11
13
8: Lyell_109 + 1

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 284235 Report

This analysis was run 02/23/26 on database version 636.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 284235 has 17 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Welcome_112, Fork_106, ASegato_108
• Track 2 : Necrophoxinus_111
• Track 3 : DustyDino_113, Yuma_108, Casablancas_110, RunningBrook_111
• Track 4 : Erenyeager_109, Shroomer_112, Musetta_107
• Track 5 : Issa7_109
• Track 6 : Deschain_109
• Track 7 : HollowPurple_110, SteakFry_108
• Track 8 : Lyell_109, StevieWelch_110

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

Genes that call this "Most Annotated" start:
• ASegato_108, Casablancas_110, Deschain_109, DustyDino_113, Erenyeager_109, Fork_106, HollowPurple_110, Issa7_109, Lyell_109, Musetta_107, Necrophoxinus_111, RunningBrook_111, Shroomer_112, SteakFry_108, StevieWelch_110, Welcome_112, Yuma_108,

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 17 of 17 (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_108 (ED2), Casablancas_110 (ED2), Deschain_109 (ED2), DustyDino_113 (ED2), Erenyeager_109 (ED2), Fork_106 (ED2), HollowPurple_110 (ED2), Issa7_109 (ED2), Lyell_109 (ED2), Musetta_107 (ED2), Necrophoxinus_111 (ED2), RunningBrook_111 (ED2), Shroomer_112 (ED2), SteakFry_108 (ED2), StevieWelch_110 (ED2), Welcome_112 (ED2), Yuma_108 (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 12 times for cluster ED2.

Gene Information:

Gene: ASegato_108 Start: 56883, Stop: 56638, Start Num: 3
Candidate Starts for ASegato_108:
(1, 56970), (Start: 3 @56883 has 12 MA's), (4, 56850), (5, 56847), (10, 56739), (11, 56727), (13, 56649),

Gene: Casablancas_110 Start: 56513, Stop: 56268, Start Num: 3
Candidate Starts for Casablancas_110:
(1, 56600), (Start: 3 @56513 has 12 MA's), (4, 56480), (5, 56477), (10, 56369), (11, 56357), (12, 56321),

Gene: Deschain_109 Start: 57065, Stop: 56805, Start Num: 3
Candidate Starts for Deschain_109:
(Start: 3 @57065 has 12 MA's), (4, 57032), (5, 57029), (10, 56921), (11, 56909), (14, 56810),

Gene: DustyDino_113 Start: 57736, Stop: 57491, Start Num: 3
Candidate Starts for DustyDino_113:
(1, 57823), (Start: 3 @57736 has 12 MA's), (4, 57703), (5, 57700), (10, 57592), (11, 57580), (12, 57544),

Gene: Erenyeager_109 Start: 56734, Stop: 56474, Start Num: 3
Candidate Starts for Erenyeager_109:
(2, 56794), (Start: 3 @56734 has 12 MA's), (4, 56701), (5, 56698), (10, 56590), (11, 56578), (14, 56479),

Gene: Fork_106 Start: 56761, Stop: 56516, Start Num: 3
Candidate Starts for Fork_106:
(1, 56848), (Start: 3 @56761 has 12 MA's), (4, 56728), (5, 56725), (10, 56617), (11, 56605), (13, 56527),

Gene: HollowPurple_110 Start: 57312, Stop: 57052, Start Num: 3
Candidate Starts for HollowPurple_110:
(1, 57399), (Start: 3 @57312 has 12 MA's), (4, 57279), (5, 57276), (10, 57168), (11, 57156), (14, 57057),

Gene: Issa7_109 Start: 56807, Stop: 56562, Start Num: 3
Candidate Starts for Issa7_109:
(1, 56894), (Start: 3 @56807 has 12 MA's), (4, 56774), (5, 56771), (10, 56663), (11, 56651), (13, 56573),

Gene: Lyell_109 Start: 56683, Stop: 56438, Start Num: 3
Candidate Starts for Lyell_109:
(2, 56743), (Start: 3 @56683 has 12 MA's), (4, 56650), (5, 56647), (10, 56539), (11, 56527), (13, 56449),

Gene: Musetta_107 Start: 56924, Stop: 56664, Start Num: 3
Candidate Starts for Musetta_107:
(2, 56984), (Start: 3 @56924 has 12 MA's), (4, 56891), (5, 56888), (10, 56780), (11, 56768), (14, 56669),

Gene: Necrophoxinus_111 Start: 57580, Stop: 57320, Start Num: 3
Candidate Starts for Necrophoxinus_111:
(Start: 3 @57580 has 12 MA's), (6, 57526), (7, 57487), (8, 57460), (9, 57451), (14, 57325),

Gene: RunningBrook_111 Start: 57736, Stop: 57491, Start Num: 3
Candidate Starts for RunningBrook_111:
(1, 57823), (Start: 3 @57736 has 12 MA's), (4, 57703), (5, 57700), (10, 57592), (11, 57580), (12, 57544),

Gene: Shroomer_112 Start: 57181, Stop: 56921, Start Num: 3
Candidate Starts for Shroomer_112:
(2, 57241), (Start: 3 @57181 has 12 MA's), (4, 57148), (5, 57145), (10, 57037), (11, 57025), (14, 56926),

Gene: SteakFry_108 Start: 57312, Stop: 57052, Start Num: 3
Candidate Starts for SteakFry_108:
(1, 57399), (Start: 3 @57312 has 12 MA's), (4, 57279), (5, 57276), (10, 57168), (11, 57156), (14, 57057),

Gene: StevieWelch_110 Start: 56976, Stop: 56731, Start Num: 3
Candidate Starts for StevieWelch_110:
(2, 57036), (Start: 3 @56976 has 12 MA's), (4, 56943), (5, 56940), (10, 56832), (11, 56820), (13, 56742),

Gene: Welcome_112 Start: 57576, Stop: 57331, Start Num: 3
Candidate Starts for Welcome_112:
(1, 57663), (Start: 3 @57576 has 12 MA's), (4, 57543), (5, 57540), (10, 57432), (11, 57420), (13, 57342),

Gene: Yuma_108 Start: 56697, Stop: 56452, Start Num: 3
Candidate Starts for Yuma_108:
(1, 56784), (Start: 3 @56697 has 12 MA's), (4, 56664), (5, 56661), (10, 56553), (11, 56541), (12, 56505),