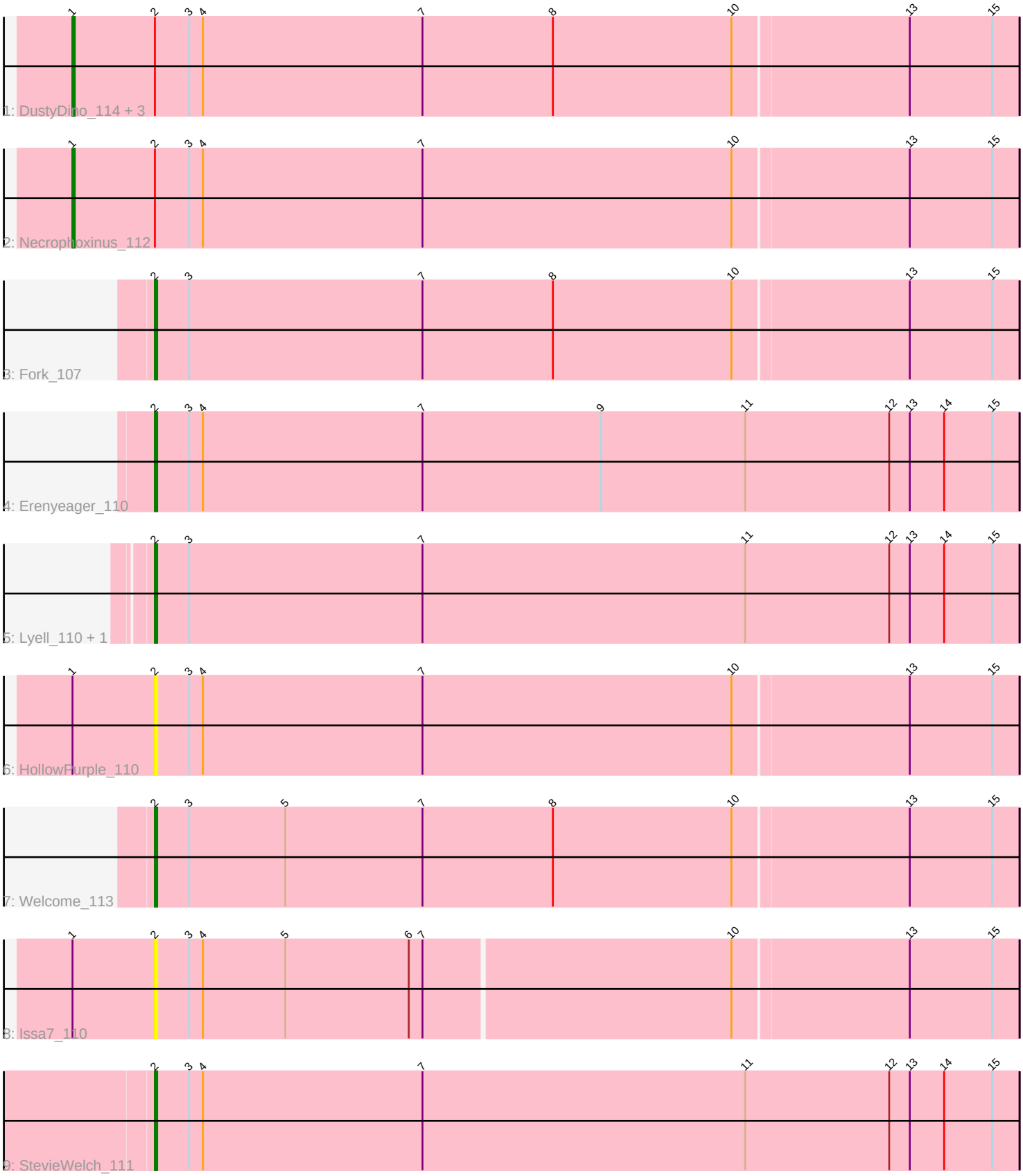
Pham 198574


1: DustyDino_114 + 3
2: Necrophoxinus_112
3: Fork_107
4: Erenyeager_110
5: Lyell_110 + 1
6: HollowPurple_110
7: Welcome_113
8: Issa7_110
9: StevieWelch_111

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 198574 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198574 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : DustyDino_114, Yuma_109, ASegato_109, RunningBrook_112
• Track 2 : Necrophoxinus_112
• Track 3 : Fork_107
• Track 4 : Erenyeager_110
• Track 5 : Lyell_110, Musetta_108
• Track 6 : HollowPurple_110
• Track 7 : Welcome_113
• Track 8 : Issa7_110
• Track 9 : StevieWelch_111

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 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Erenyeager_110, Fork_107, HollowPurple_110, Issa7_110, Lyell_110, Musetta_108, StevieWelch_111, Welcome_113,

Genes that have the "Most Annotated" start but do not call it:
• ASegato_109, DustyDino_114, Necrophoxinus_112, RunningBrook_112, Yuma_109,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 1:
• Found in 7 of 13 (53.8%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 71.4% of time when present
• Phage (with cluster) where this start called: ASegato_109 (ED2), DustyDino_114 (ED2), Necrophoxinus_112 (ED2), RunningBrook_112 (ED2), Yuma_109 (ED2),

Start 2:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 61.5% of time when present
• Phage (with cluster) where this start called: Erenyeager_110 (ED2), Fork_107 (ED2), HollowPurple_110 (ED2), Issa7_110 (ED2), Lyell_110 (ED2), Musetta_108 (ED2), StevieWelch_111 (ED2), Welcome_113 (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 5 times for cluster ED2.
•Start number 2 was manually annotated 6 times for cluster ED2.

Gene Information:

Gene: ASegato_109 Start: 57290, Stop: 56880, Start Num: 1
Candidate Starts for ASegato_109:
(Start: 1 @57290 has 5 MA's), (Start: 2 @57254 has 6 MA's), (3, 57239), (4, 57233), (7, 57137), (8, 57080), (10, 57002), (13, 56927), (15, 56891),

Gene: DustyDino_114 Start: 58143, Stop: 57733, Start Num: 1
Candidate Starts for DustyDino_114:
(Start: 1 @58143 has 5 MA's), (Start: 2 @58107 has 6 MA's), (3, 58092), (4, 58086), (7, 57990), (8, 57933), (10, 57855), (13, 57780), (15, 57744),

Gene: Erenyeager_110 Start: 57108, Stop: 56731, Start Num: 2
Candidate Starts for Erenyeager_110:
(Start: 2 @57108 has 6 MA's), (3, 57093), (4, 57087), (7, 56991), (9, 56913), (11, 56850), (12, 56787), (13, 56778), (14, 56763), (15, 56742),

Gene: Fork_107 Start: 57132, Stop: 56758, Start Num: 2
Candidate Starts for Fork_107:
(Start: 2 @57132 has 6 MA's), (3, 57117), (7, 57015), (8, 56958), (10, 56880), (13, 56805), (15, 56769),

Gene: HollowPurple_110 Start: 57683, Stop: 57309, Start Num: 2
Candidate Starts for HollowPurple_110:
(Start: 1 @57719 has 5 MA's), (Start: 2 @57683 has 6 MA's), (3, 57668), (4, 57662), (7, 57566), (10, 57431), (13, 57356), (15, 57320),

Gene: Issa7_110 Start: 57175, Stop: 56804, Start Num: 2
Candidate Starts for Issa7_110:
(Start: 1 @57211 has 5 MA's), (Start: 2 @57175 has 6 MA's), (3, 57160), (4, 57154), (5, 57118), (6, 57064), (7, 57058), (10, 56926), (13, 56851), (15, 56815),

Gene: Lyell_110 Start: 57057, Stop: 56680, Start Num: 2
Candidate Starts for Lyell_110:

(Start: 2 @57057 has 6 MA's), (3, 57042), (7, 56940), (11, 56799), (12, 56736), (13, 56727), (14, 56712), (15, 56691),

Gene: Musetta_108 Start: 57298, Stop: 56921, Start Num: 2
Candidate Starts for Musetta_108:
(Start: 2 @57298 has 6 MA's), (3, 57283), (7, 57181), (11, 57040), (12, 56977), (13, 56968), (14, 56953), (15, 56932),

Gene: Necrophoxinus_112 Start: 57987, Stop: 57577, Start Num: 1
Candidate Starts for Necrophoxinus_112:
(Start: 1 @57987 has 5 MA's), (Start: 2 @57951 has 6 MA's), (3, 57936), (4, 57930), (7, 57834), (10, 57699), (13, 57624), (15, 57588),

Gene: RunningBrook_112 Start: 58143, Stop: 57733, Start Num: 1
Candidate Starts for RunningBrook_112:
(Start: 1 @58143 has 5 MA's), (Start: 2 @58107 has 6 MA's), (3, 58092), (4, 58086), (7, 57990), (8, 57933), (10, 57855), (13, 57780), (15, 57744),

Gene: StevieWelch_111 Start: 57350, Stop: 56973, Start Num: 2
Candidate Starts for StevieWelch_111:
(Start: 2 @57350 has 6 MA's), (3, 57335), (4, 57329), (7, 57233), (11, 57092), (12, 57029), (13, 57020), (14, 57005), (15, 56984),

Gene: Welcome_113 Start: 57947, Stop: 57573, Start Num: 2
Candidate Starts for Welcome_113:
(Start: 2 @57947 has 6 MA's), (3, 57932), (5, 57890), (7, 57830), (8, 57773), (10, 57695), (13, 57620), (15, 57584),

Gene: Yuma_109 Start: 57104, Stop: 56694, Start Num: 1
Candidate Starts for Yuma_109:
(Start: 1 @57104 has 5 MA's), (Start: 2 @57068 has 6 MA's), (3, 57053), (4, 57047), (7, 56951), (8, 56894), (10, 56816), (13, 56741), (15, 56705),