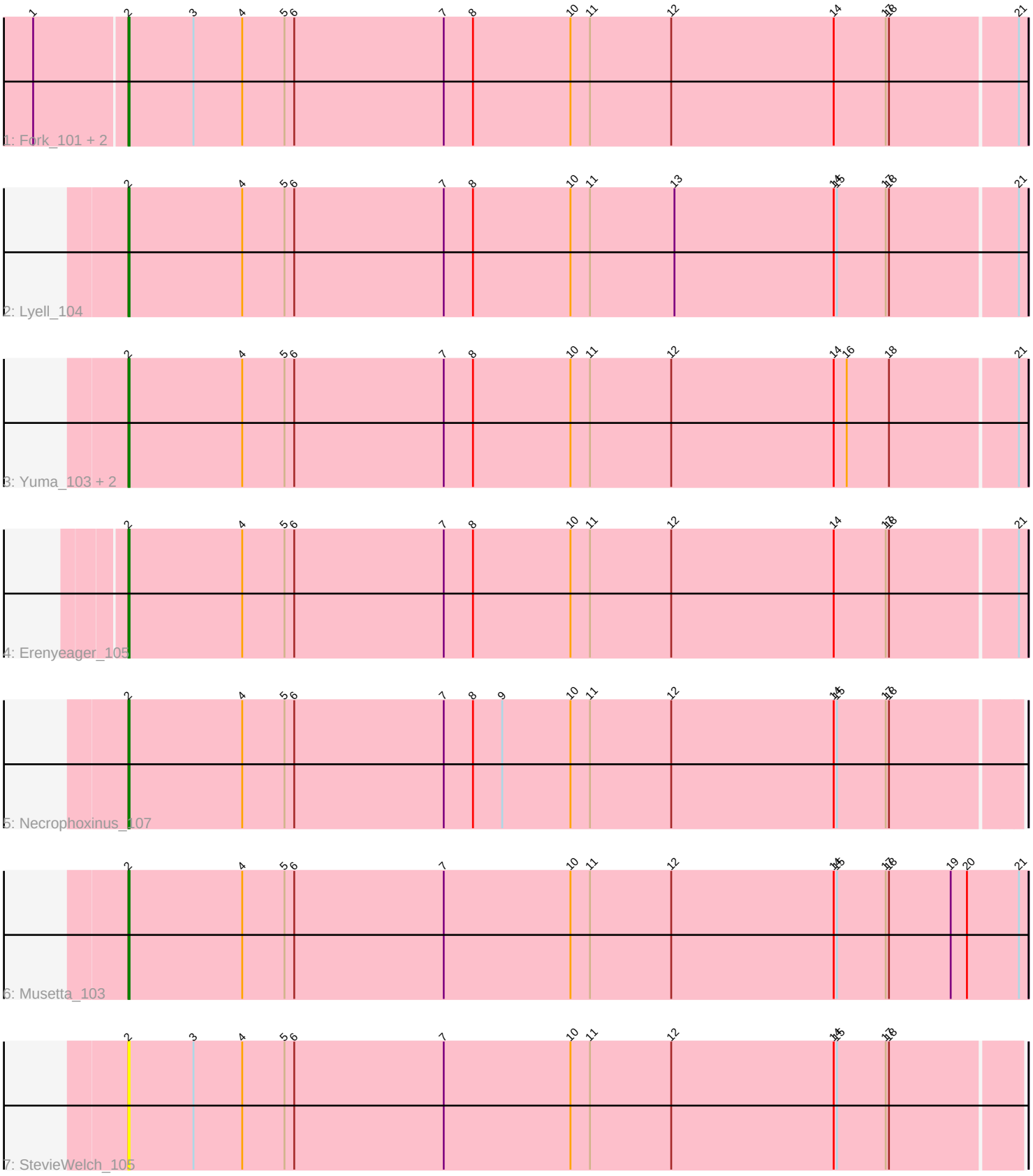
Pham 6488


1: Fork_101 + 2
2: Lyell_104
3: Yuma_103 + 2
4: Erenyeager_105
5: Necrophoxinus_107
6: Musetta_103
7: StevieWelch_105

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 6488 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6488 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Fork_101, Welcome_107, ASegato_103
• Track 2 : Lyell_104
• Track 3 : Yuma_103, RunningBrook_107, DustyDino_108
• Track 4 : Erenyeager_105
• Track 5 : Necrophoxinus_107
• Track 6 : Musetta_103
• Track 7 : StevieWelch_105

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_103, DustyDino_108, Erenyeager_105, Fork_101, Lyell_104, Musetta_103, Necrophoxinus_107, RunningBrook_107, StevieWelch_105, Welcome_107, Yuma_103,

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 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_103 (ED2), DustyDino_108 (ED2), Erenyeager_105 (ED2), Fork_101 (ED2), Lyell_104 (ED2), Musetta_103 (ED2), Necrophoxinus_107 (ED2), RunningBrook_107 (ED2), StevieWelch_105 (ED2), Welcome_107 (ED2), Yuma_103 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:
•Start number 2 was manually annotated 9 times for cluster ED2.

Gene Information:

Gene: ASegato_103 Start: 55365, Stop: 54541, Start Num: 2
Candidate Starts for ASegato_103:
(1, 55449), (Start: 2 @55365 has 9 MA's), (3, 55305), (4, 55260), (5, 55221), (6, 55212), (7, 55074), (8, 55047), (10, 54957), (11, 54939), (12, 54864), (14, 54714), (17, 54666), (18, 54663), (21, 54549),

Gene: DustyDino_108 Start: 56189, Stop: 55365, Start Num: 2
Candidate Starts for DustyDino_108:
(Start: 2 @56189 has 9 MA's), (4, 56084), (5, 56045), (6, 56036), (7, 55898), (8, 55871), (10, 55781), (11, 55763), (12, 55688), (14, 55538), (16, 55526), (18, 55487), (21, 55373),

Gene: Erenyeager_105 Start: 55290, Stop: 54466, Start Num: 2
Candidate Starts for Erenyeager_105:
(Start: 2 @55290 has 9 MA's), (4, 55185), (5, 55146), (6, 55137), (7, 54999), (8, 54972), (10, 54882), (11, 54864), (12, 54789), (14, 54639), (17, 54591), (18, 54588), (21, 54474),

Gene: Fork_101 Start: 55243, Stop: 54419, Start Num: 2
Candidate Starts for Fork_101:
(1, 55327), (Start: 2 @55243 has 9 MA's), (3, 55183), (4, 55138), (5, 55099), (6, 55090), (7, 54952), (8, 54925), (10, 54835), (11, 54817), (12, 54742), (14, 54592), (17, 54544), (18, 54541), (21, 54427),

Gene: Lyell_104 Start: 55136, Stop: 54312, Start Num: 2
Candidate Starts for Lyell_104:
(Start: 2 @55136 has 9 MA's), (4, 55031), (5, 54992), (6, 54983), (7, 54845), (8, 54818), (10, 54728), (11, 54710), (13, 54632), (14, 54485), (15, 54482), (17, 54437), (18, 54434), (21, 54320),

Gene: Musetta_103 Start: 55489, Stop: 54659, Start Num: 2
Candidate Starts for Musetta_103:
(Start: 2 @55489 has 9 MA's), (4, 55384), (5, 55345), (6, 55336), (7, 55198), (10, 55081), (11, 55063), (12, 54988), (14, 54838), (15, 54835), (17, 54790), (18, 54787), (19, 54730), (20, 54715), (21, 54667),

Gene: Necrophoxinus_107 Start: 56145, Stop: 55327, Start Num: 2
Candidate Starts for Necrophoxinus_107:
(Start: 2 @56145 has 9 MA's), (4, 56040), (5, 56001), (6, 55992), (7, 55854), (8, 55827), (9, 55800), (10, 55737), (11, 55719), (12, 55644), (14, 55494), (15, 55491), (17, 55446), (18, 55443),

Gene: RunningBrook_107 Start: 56189, Stop: 55365, Start Num: 2
Candidate Starts for RunningBrook_107:
(Start: 2 @56189 has 9 MA's), (4, 56084), (5, 56045), (6, 56036), (7, 55898), (8, 55871), (10, 55781), (11, 55763), (12, 55688), (14, 55538), (16, 55526), (18, 55487), (21, 55373),

Gene: StevieWelch_105 Start: 55429, Stop: 54611, Start Num: 2

Candidate Starts for StevieWelch_105:
(Start: 2 @55429 has 9 MA's), (3, 55369), (4, 55324), (5, 55285), (6, 55276), (7, 55138), (10, 55021), (11, 55003), (12, 54928), (14, 54778), (15, 54775), (17, 54730), (18, 54727),

Gene: Welcome_107 Start: 56058, Stop: 55234, Start Num: 2
Candidate Starts for Welcome_107:
(1, 56142), (Start: 2 @56058 has 9 MA's), (3, 55998), (4, 55953), (5, 55914), (6, 55905), (7, 55767), (8, 55740), (10, 55650), (11, 55632), (12, 55557), (14, 55407), (17, 55359), (18, 55356), (21, 55242),

Gene: Yuma_103 Start: 55150, Stop: 54326, Start Num: 2
Candidate Starts for Yuma_103:
(Start: 2 @55150 has 9 MA's), (4, 55045), (5, 55006), (6, 54997), (7, 54859), (8, 54832), (10, 54742), (11, 54724), (12, 54649), (14, 54499), (16, 54487), (18, 54448), (21, 54334),