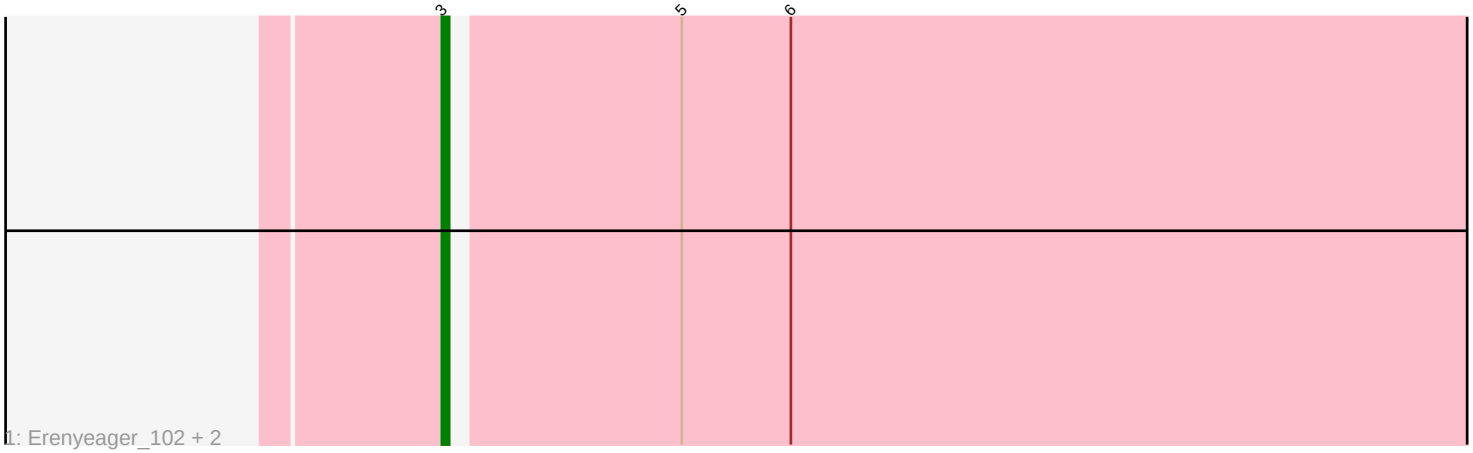
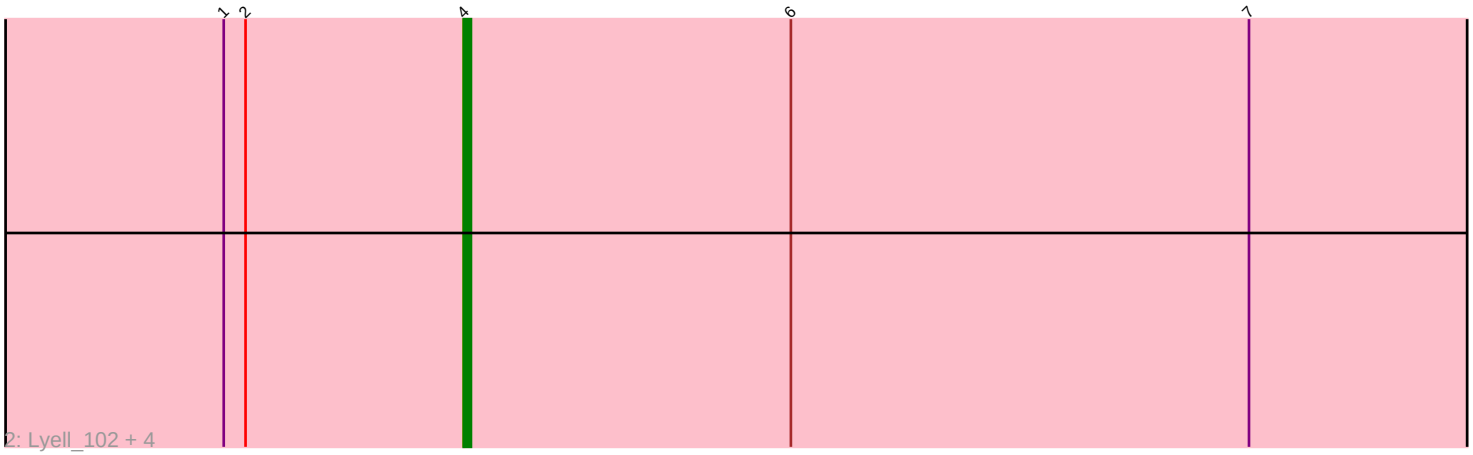
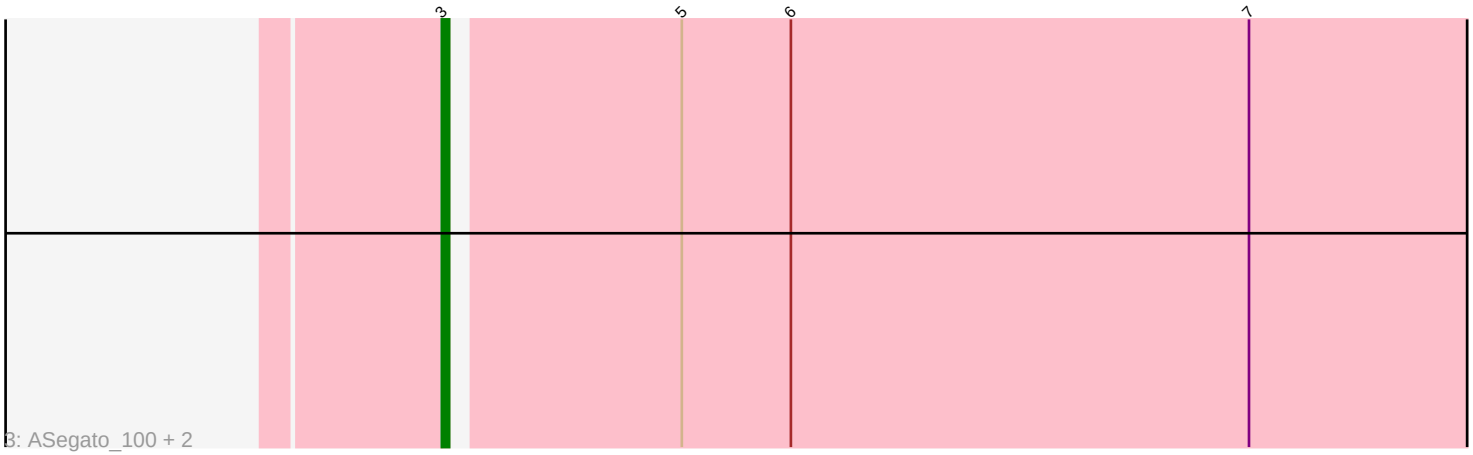
Pham 6225







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 6225 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6225 has 11 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Erenyeager_102, Necrophoxinus_104, Welcome_104
• Track 2 : Lyell_102, Yuma_101, RunningBrook_105, DustyDino_106, Musetta_101
• Track 3 : ASegato_100, Fork_98, StevieWelch_102

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

Genes that call this "Most Annotated" start:
• ASegato_100, Erenyeager_102, Fork_98, Necrophoxinus_104, StevieWelch_102, Welcome_104,

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

Genes that do not have the "Most Annotated" start:
• DustyDino_106, Lyell_102, Musetta_101, RunningBrook_105, Yuma_101,

Summary by start number:

Start 3:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_100 (ED2), Erenyeager_102 (ED2), Fork_98 (ED2), Necrophoxinus_104 (ED2), StevieWelch_102 (ED2), Welcome_104 (ED2),

Start 4:
• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 100.0% of time when present

• Phage (with cluster) where this start called: DustyDino_106 (ED2), Lyell_102 (ED2), Musetta_101 (ED2), RunningBrook_105 (ED2), Yuma_101 (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 5 times for cluster ED2.
•Start number 4 was manually annotated 4 times for cluster ED2.

Gene Information:

Gene: ASegato_100 Start: 53851, Stop: 53663, Start Num: 3
Candidate Starts for ASegato_100:
(Start: 3 @53851 has 5 MA's), (5, 53821), (6, 53806), (7, 53743),

Gene: DustyDino_106 Start: 54993, Stop: 54805, Start Num: 4
Candidate Starts for DustyDino_106:
(1, 55026), (2, 55023), (Start: 4 @54993 has 4 MA's), (6, 54948), (7, 54885),

Gene: Erenyeager_102 Start: 53776, Stop: 53588, Start Num: 3
Candidate Starts for Erenyeager_102:
(Start: 3 @53776 has 5 MA's), (5, 53746), (6, 53731),

Gene: Fork_98 Start: 53729, Stop: 53541, Start Num: 3
Candidate Starts for Fork_98:
(Start: 3 @53729 has 5 MA's), (5, 53699), (6, 53684), (7, 53621),

Gene: Lyell_102 Start: 53940, Stop: 53752, Start Num: 4
Candidate Starts for Lyell_102:
(1, 53973), (2, 53970), (Start: 4 @53940 has 4 MA's), (6, 53895), (7, 53832),

Gene: Musetta_101 Start: 54282, Stop: 54094, Start Num: 4
Candidate Starts for Musetta_101:
(1, 54315), (2, 54312), (Start: 4 @54282 has 4 MA's), (6, 54237), (7, 54174),

Gene: Necrophoxinus_104 Start: 54629, Stop: 54441, Start Num: 3
Candidate Starts for Necrophoxinus_104:
(Start: 3 @54629 has 5 MA's), (5, 54599), (6, 54584),

Gene: RunningBrook_105 Start: 54993, Stop: 54805, Start Num: 4
Candidate Starts for RunningBrook_105:
(1, 55026), (2, 55023), (Start: 4 @54993 has 4 MA's), (6, 54948), (7, 54885),

Gene: StevieWelch_102 Start: 53913, Stop: 53725, Start Num: 3
Candidate Starts for StevieWelch_102:
(Start: 3 @53913 has 5 MA's), (5, 53883), (6, 53868), (7, 53805),

Gene: Welcome_104 Start: 54544, Stop: 54356, Start Num: 3
Candidate Starts for Welcome_104:

(Start: 3 @54544 has 5 MA's), (5, 54514), (6, 54499),

Gene: Yuma_101 Start: 53954, Stop: 53766, Start Num: 4
Candidate Starts for Yuma_101:
(1, 53987), (2, 53984), (Start: 4 @53954 has 4 MA's), (6, 53909), (7, 53846),