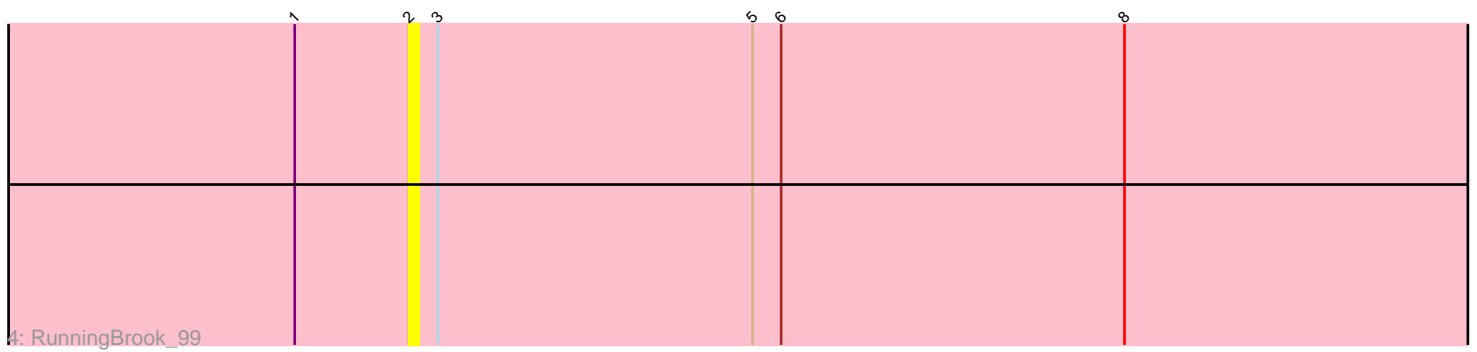
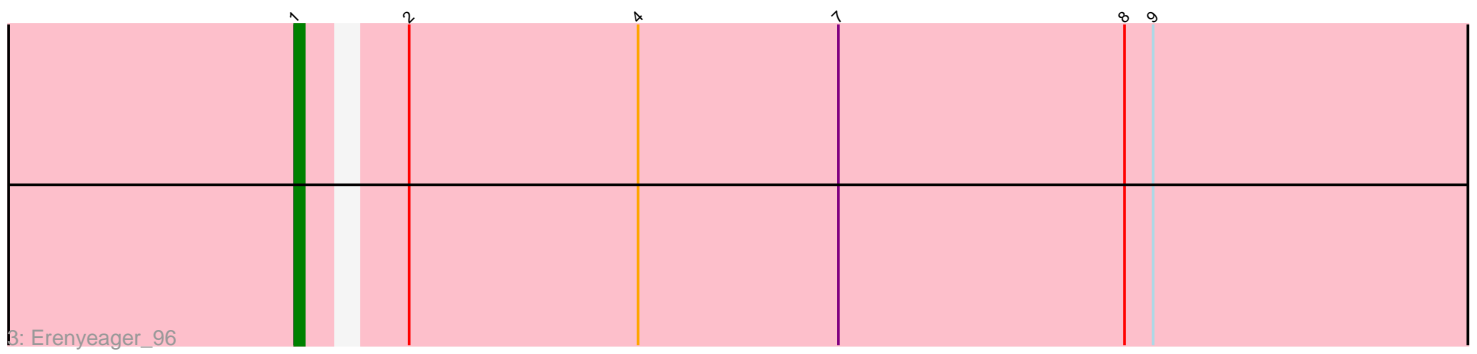
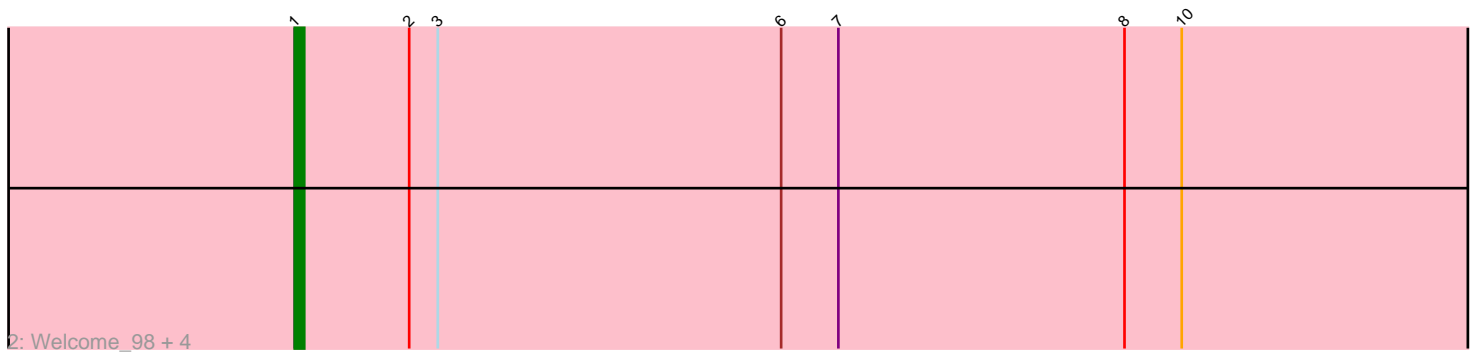
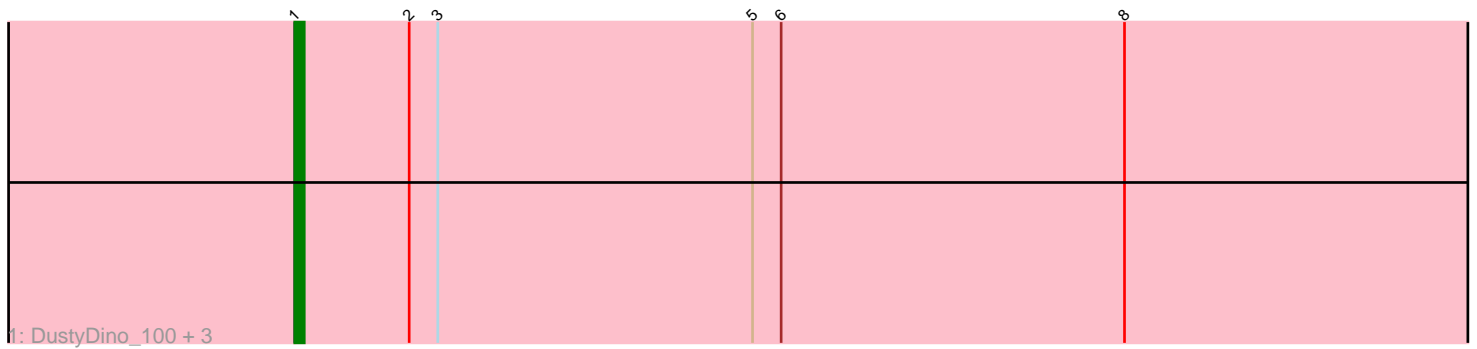


Pham 6157



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 6157 Report

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

Pham number 6157 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : DustyDino_100, Necrophoxinus_98, Musetta_95, Yuma_95
- Track 2 : Welcome_98, Fork_92, Lyell_96, StevieWelch_96, ASegato_94
- Track 3 : Erenyeager_96
- Track 4 : RunningBrook_99

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

Genes that call this "Most Annotated" start:

- ASegato_94, DustyDino_100, Erenyeager_96, Fork_92, Lyell_96, Musetta_95, Necrophoxinus_98, StevieWelch_96, Welcome_98, Yuma_95,

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

- RunningBrook_99,

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

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Summary by start number:

Start 1:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 90.9% of time when present
- Phage (with cluster) where this start called: ASegato_94 (ED2), DustyDino_100 (ED2), Erenyeager_96 (ED2), Fork_92 (ED2), Lyell_96 (ED2), Musetta_95 (ED2), Necrophoxinus_98 (ED2), StevieWelch_96 (ED2), Welcome_98 (ED2), Yuma_95 (ED2),

Start 2:

- Found in 11 of 11 (100.0%) of genes in pham
- No Manual Annotations of this start.

- Called 9.1% of time when present
- Phage (with cluster) where this start called: RunningBrook_99 (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 9 times for cluster ED2.

Gene Information:

Gene: ASegato_94 Start: 52146, Stop: 51976, Start Num: 1

Candidate Starts for ASegato_94:

(Start: 1 @52146 has 9 MA's), (2, 52134), (3, 52131), (6, 52095), (7, 52089), (8, 52059), (10, 52053),

Gene: DustyDino_100 Start: 53288, Stop: 53115, Start Num: 1

Candidate Starts for DustyDino_100:

(Start: 1 @53288 has 9 MA's), (2, 53276), (3, 53273), (5, 53240), (6, 53237), (8, 53201),

Gene: Erenyeager_96 Start: 52071, Stop: 51904, Start Num: 1

Candidate Starts for Erenyeager_96:

(Start: 1 @52071 has 9 MA's), (2, 52062), (4, 52038), (7, 52017), (8, 51987), (9, 51984),

Gene: Fork_92 Start: 52024, Stop: 51854, Start Num: 1

Candidate Starts for Fork_92:

(Start: 1 @52024 has 9 MA's), (2, 52012), (3, 52009), (6, 51973), (7, 51967), (8, 51937), (10, 51931),

Gene: Lyell_96 Start: 52235, Stop: 52065, Start Num: 1

Candidate Starts for Lyell_96:

(Start: 1 @52235 has 9 MA's), (2, 52223), (3, 52220), (6, 52184), (7, 52178), (8, 52148), (10, 52142),

Gene: Musetta_95 Start: 52577, Stop: 52404, Start Num: 1

Candidate Starts for Musetta_95:

(Start: 1 @52577 has 9 MA's), (2, 52565), (3, 52562), (5, 52529), (6, 52526), (8, 52490),

Gene: Necrophoxinus_98 Start: 52924, Stop: 52751, Start Num: 1

Candidate Starts for Necrophoxinus_98:

(Start: 1 @52924 has 9 MA's), (2, 52912), (3, 52909), (5, 52876), (6, 52873), (8, 52837),

Gene: RunningBrook_99 Start: 53276, Stop: 53115, Start Num: 2

Candidate Starts for RunningBrook_99:

(Start: 1 @53288 has 9 MA's), (2, 53276), (3, 53273), (5, 53240), (6, 53237), (8, 53201),

Gene: StevieWelch_96 Start: 52208, Stop: 52038, Start Num: 1

Candidate Starts for StevieWelch_96:

(Start: 1 @52208 has 9 MA's), (2, 52196), (3, 52193), (6, 52157), (7, 52151), (8, 52121), (10, 52115),

Gene: Welcome_98 Start: 52839, Stop: 52669, Start Num: 1

Candidate Starts for Welcome_98:

(Start: 1 @52839 has 9 MA's), (2, 52827), (3, 52824), (6, 52788), (7, 52782), (8, 52752), (10, 52746),

Gene: Yuma_95 Start: 52249, Stop: 52076, Start Num: 1

Candidate Starts for Yuma_95:

(Start: 1 @52249 has 9 MA's), (2, 52237), (3, 52234), (5, 52201), (6, 52198), (8, 52162),