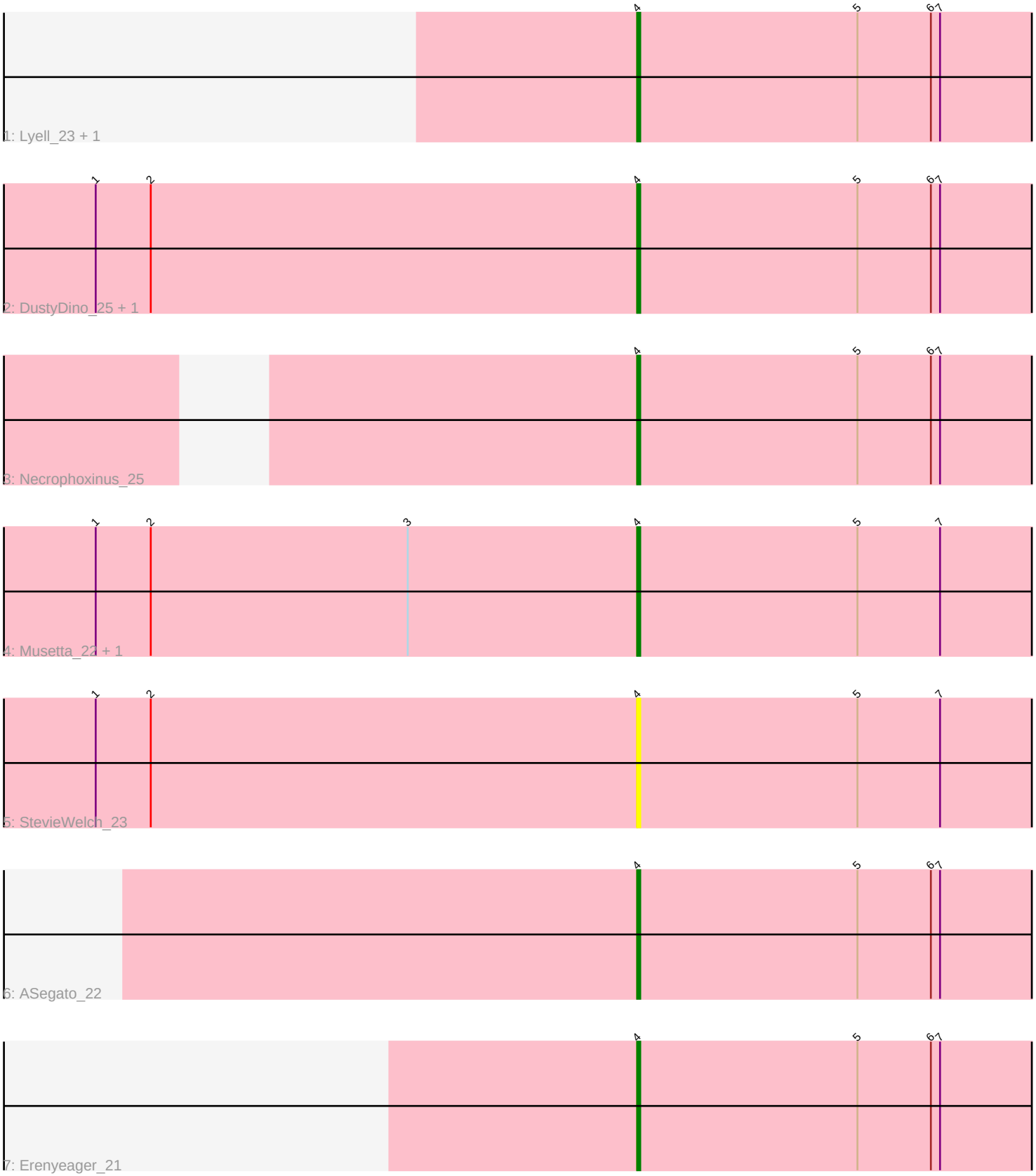
Pham 87508


4
5
6
7
1: Lyell_23 + 1
1
2
4
5
6
7
2: DustyDino_25 + 1
4
5
6
7
3: Necrophoxinus_25
1
2
3
4
5
7
4: Musetta_22 + 1
1
2
4
5
7
5: StevieWelch_23
4
5
6
7
6: ASegato_22
4
5
6
7
7: Erenyeager_21

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 87508 Report

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

Pham number 87508 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Lyell_23, Fork_20
• Track 2 : DustyDino_25, RunningBrook_24
• Track 3 : Necrophoxinus_25
• Track 4 : Musetta_22, Yuma_22
• Track 5 : StevieWelch_23
• Track 6 : ASegato_22
• Track 7 : Erenyeager_21

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 4, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_22, DustyDino_25, Erenyeager_21, Fork_20, Lyell_23, Musetta_22, Necrophoxinus_25, RunningBrook_24, StevieWelch_23, Yuma_22,

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 4:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_22 (ED2), DustyDino_25 (ED2), Erenyeager_21 (ED2), Fork_20 (ED2), Lyell_23 (ED2), Musetta_22 (ED2), Necrophoxinus_25 (ED2), RunningBrook_24 (ED2), StevieWelch_23 (ED2), Yuma_22 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:
•Start number 4 was manually annotated 8 times for cluster ED2.

Gene Information:

Gene: ASegato_22 Start: 7047, Stop: 7211, Start Num: 4
Candidate Starts for ASegato_22:
(Start: 4 @7047 has 8 MA's), (5, 7119), (6, 7143), (7, 7146),

Gene: DustyDino_25 Start: 7750, Stop: 7914, Start Num: 4
Candidate Starts for DustyDino_25:
(1, 7573), (2, 7591), (Start: 4 @7750 has 8 MA's), (5, 7822), (6, 7846), (7, 7849),

Gene: Erenyeager_21 Start: 7025, Stop: 7189, Start Num: 4
Candidate Starts for Erenyeager_21:
(Start: 4 @7025 has 8 MA's), (5, 7097), (6, 7121), (7, 7124),

Gene: Fork_20 Start: 6701, Stop: 6865, Start Num: 4
Candidate Starts for Fork_20:
(Start: 4 @6701 has 8 MA's), (5, 6773), (6, 6797), (7, 6800),

Gene: Lyell_23 Start: 7163, Stop: 7327, Start Num: 4
Candidate Starts for Lyell_23:
(Start: 4 @7163 has 8 MA's), (5, 7235), (6, 7259), (7, 7262),

Gene: Musetta_22 Start: 7241, Stop: 7405, Start Num: 4
Candidate Starts for Musetta_22:
(1, 7064), (2, 7082), (3, 7166), (Start: 4 @7241 has 8 MA's), (5, 7313), (7, 7340),

Gene: Necrophoxinus_25 Start: 7802, Stop: 7966, Start Num: 4
Candidate Starts for Necrophoxinus_25:
(Start: 4 @7802 has 8 MA's), (5, 7874), (6, 7898), (7, 7901),

Gene: RunningBrook_24 Start: 7750, Stop: 7914, Start Num: 4
Candidate Starts for RunningBrook_24:
(1, 7573), (2, 7591), (Start: 4 @7750 has 8 MA's), (5, 7822), (6, 7846), (7, 7849),

Gene: StevieWelch_23 Start: 7391, Stop: 7555, Start Num: 4
Candidate Starts for StevieWelch_23:
(1, 7214), (2, 7232), (Start: 4 @7391 has 8 MA's), (5, 7463), (7, 7490),

Gene: Yuma_22 Start: 7140, Stop: 7304, Start Num: 4
Candidate Starts for Yuma_22:
(1, 6963), (2, 6981), (3, 7065), (Start: 4 @7140 has 8 MA's), (5, 7212), (7, 7239),