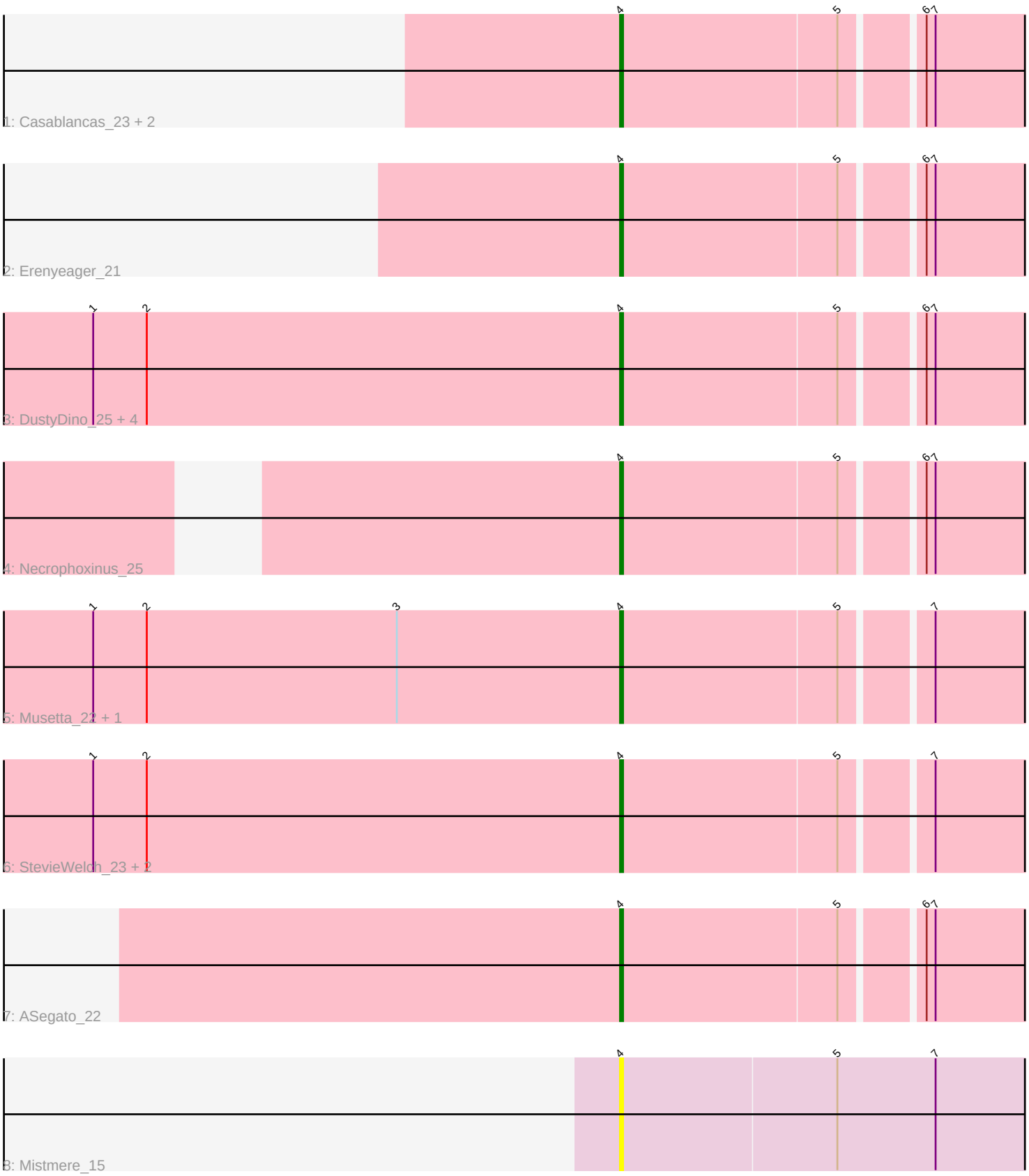
Pham 342633


4
5
6
7
1: Casablancas_23 + 2
4
5
6
7
2: Erenyeager_21
1
2
4
5
6
7
3: DustyDino_25 + 4
4
5
6
7
4: Necrophoxinus_25
1
2
3
4
5
7
5: Musetta_22 + 1
1
2
4
5
7
6: StevieWelch_23 + 2
4
5
6
7
7: ASegato_22
4
5
7
8: Mistmere_15

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 342633 Report

This analysis was run 11/14/26 on database version 672.

Pham number 342633 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Casablancas_23, Fork_20, Lyell_23
• Track 2 : Erenyeager_21
• Track 3 : DustyDino_25, Deschain_23, Shroomer_26, RunningBrook_23, Issa7_21
• Track 4 : Necrophoxinus_25
• Track 5 : Musetta_22, Yuma_22
• Track 6 : StevieWelch_23, SteakFry_25, HollowPurple_24
• Track 7 : ASegato_22
• Track 8 : Mistmere_15

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ASegato_22, Casablancas_23, Deschain_23, DustyDino_25, Erenyeager_21, Fork_20, HollowPurple_24, Issa7_21, Lyell_23, Mistmere_15, Musetta_22, Necrophoxinus_25, RunningBrook_23, Shroomer_26, SteakFry_25, 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 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ASegato_22 (ED2), Casablancas_23 (ED2), Deschain_23 (ED2), DustyDino_25 (ED2), Erenyeager_21 (ED2), Fork_20

(ED2), HollowPurple_24 (ED2), Issa7_21 (ED2), Lyell_23 (ED2), Mistmere_15 (ED3), Musetta_22 (ED2), Necrophoxinus_25 (ED2), RunningBrook_23 (ED2), Shroomer_26 (ED2), SteakFry_25 (ED2), StevieWelch_23 (ED2), Yuma_22 (ED2),

Summary by clusters:

There are 2 clusters represented in this pham: ED2, ED3,

Info for manual annotations of cluster ED2:
•Start number 4 was manually annotated 14 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 14 MA's), (5, 7119), (6, 7143), (7, 7146),

Gene: Casablancas_23 Start: 6987, Stop: 7151, Start Num: 4
Candidate Starts for Casablancas_23:
(Start: 4 @6987 has 14 MA's), (5, 7059), (6, 7083), (7, 7086),

Gene: Deschain_23 Start: 7651, Stop: 7815, Start Num: 4
Candidate Starts for Deschain_23:
(1, 7474), (2, 7492), (Start: 4 @7651 has 14 MA's), (5, 7723), (6, 7747), (7, 7750),

Gene: DustyDino_25 Start: 7750, Stop: 7914, Start Num: 4
Candidate Starts for DustyDino_25:
(1, 7573), (2, 7591), (Start: 4 @7750 has 14 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 14 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 14 MA's), (5, 6773), (6, 6797), (7, 6800),

Gene: HollowPurple_24 Start: 7271, Stop: 7435, Start Num: 4
Candidate Starts for HollowPurple_24:
(1, 7094), (2, 7112), (Start: 4 @7271 has 14 MA's), (5, 7343), (7, 7370),

Gene: Issa7_21 Start: 6682, Stop: 6846, Start Num: 4
Candidate Starts for Issa7_21:
(1, 6505), (2, 6523), (Start: 4 @6682 has 14 MA's), (5, 6754), (6, 6778), (7, 6781),

Gene: Lyell_23 Start: 7163, Stop: 7327, Start Num: 4
Candidate Starts for Lyell_23:
(Start: 4 @7163 has 14 MA's), (5, 7235), (6, 7259), (7, 7262),

Gene: Mistmere_15 Start: 4781, Stop: 4951, Start Num: 4

Candidate Starts for Mistmere_15:
(Start: 4 @4781 has 14 MA's), (5, 4853), (7, 4886),

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 14 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 14 MA's), (5, 7874), (6, 7898), (7, 7901),

Gene: RunningBrook_23 Start: 7750, Stop: 7914, Start Num: 4
Candidate Starts for RunningBrook_23:
(1, 7573), (2, 7591), (Start: 4 @7750 has 14 MA's), (5, 7822), (6, 7846), (7, 7849),

Gene: Shroomer_26 Start: 7250, Stop: 7414, Start Num: 4
Candidate Starts for Shroomer_26:
(1, 7073), (2, 7091), (Start: 4 @7250 has 14 MA's), (5, 7322), (6, 7346), (7, 7349),

Gene: SteakFry_25 Start: 7271, Stop: 7435, Start Num: 4
Candidate Starts for SteakFry_25:
(1, 7094), (2, 7112), (Start: 4 @7271 has 14 MA's), (5, 7343), (7, 7370),

Gene: StevieWelch_23 Start: 7391, Stop: 7555, Start Num: 4
Candidate Starts for StevieWelch_23:
(1, 7214), (2, 7232), (Start: 4 @7391 has 14 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 14 MA's), (5, 7212), (7, 7239),