



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 7389 Report

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

Pham number 7389 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Musetta_25, Yuma_25, Welcome_26
- Track 2 : StevieWelch_26
- Track 3 : Lyell_26, Fork_23, ASegato_25
- Track 4 : Erenyeager_25

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASegato_25, Erenyeager_25, Fork_23, Lyell_26, Musetta_25, StevieWelch_26, Welcome_26, Yuma_25,

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 3:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ASegato_25 (ED2), Erenyeager_25 (ED2), Fork_23 (ED2), Lyell_26 (ED2), Musetta_25 (ED2), StevieWelch_26 (ED2), Welcome_26 (ED2), Yuma_25 (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 7 times for cluster ED2.

Gene Information:

Gene: ASegato_25 Start: 7733, Stop: 7933, Start Num: 3

Candidate Starts for ASegato_25:

(2, 7700), (Start: 3 @7733 has 7 MA's), (4, 7766), (5, 7769), (7, 7784),

Gene: Erenyeager_25 Start: 7950, Stop: 8150, Start Num: 3

Candidate Starts for Erenyeager_25:

(1, 7845), (2, 7917), (Start: 3 @7950 has 7 MA's), (4, 7983), (5, 7986), (10, 8130),

Gene: Fork_23 Start: 7390, Stop: 7590, Start Num: 3

Candidate Starts for Fork_23:

(2, 7357), (Start: 3 @7390 has 7 MA's), (4, 7423), (5, 7426), (7, 7441),

Gene: Lyell_26 Start: 7849, Stop: 8049, Start Num: 3

Candidate Starts for Lyell_26:

(2, 7816), (Start: 3 @7849 has 7 MA's), (4, 7882), (5, 7885), (7, 7900),

Gene: Musetta_25 Start: 7927, Stop: 8127, Start Num: 3

Candidate Starts for Musetta_25:

(Start: 3 @7927 has 7 MA's), (6, 7969), (8, 7984), (9, 8017),

Gene: StevieWelch_26 Start: 8080, Stop: 8280, Start Num: 3

Candidate Starts for StevieWelch_26:

(2, 8047), (Start: 3 @8080 has 7 MA's), (6, 8122), (8, 8137), (9, 8170),

Gene: Welcome_26 Start: 7923, Stop: 8123, Start Num: 3

Candidate Starts for Welcome_26:

(Start: 3 @7923 has 7 MA's), (6, 7965), (8, 7980), (9, 8013),

Gene: Yuma_25 Start: 7826, Stop: 8026, Start Num: 3

Candidate Starts for Yuma_25:

(Start: 3 @7826 has 7 MA's), (6, 7868), (8, 7883), (9, 7916),