



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 6525 Report

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

Pham number 6525 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : DustyDino_20, Lyell_20, RunningBrook_20
- Track 2 : Necrophoxinus_20, ASegato_18, Erenyeager_18
- Track 3 : Musetta_19, Fork_17, Welcome_19, Yuma_19, StevieWelch_20

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

Genes that call this "Most Annotated" start:

- ASegato_18, DustyDino_20, Erenyeager_18, Fork_17, Lyell_20, Musetta_19, Necrophoxinus_20, RunningBrook_20, StevieWelch_20, Welcome_19, Yuma_19,

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 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ASegato_18 (ED2), DustyDino_20 (ED2), Erenyeager_18 (ED2), Fork_17 (ED2), Lyell_20 (ED2), Musetta_19 (ED2), Necrophoxinus_20 (ED2), RunningBrook_20 (ED2), StevieWelch_20 (ED2), Welcome_19 (ED2), Yuma_19 (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 9 times for cluster ED2.

Gene Information:

Gene: ASegato_18 Start: 6254, Stop: 6418, Start Num: 4

Candidate Starts for ASegato_18:

(1, 6116), (3, 6218), (Start: 4 @6254 has 9 MA's), (5, 6284), (6, 6317), (7, 6332), (8, 6368), (9, 6383), (10, 6407),

Gene: DustyDino_20 Start: 6655, Stop: 6819, Start Num: 4

Candidate Starts for DustyDino_20:

(1, 6517), (2, 6607), (Start: 4 @6655 has 9 MA's), (5, 6685), (6, 6718), (7, 6733), (8, 6769), (9, 6784), (10, 6808),

Gene: Erenyeager_18 Start: 6172, Stop: 6336, Start Num: 4

Candidate Starts for Erenyeager_18:

(1, 6034), (3, 6136), (Start: 4 @6172 has 9 MA's), (5, 6202), (6, 6235), (7, 6250), (8, 6286), (9, 6301), (10, 6325),

Gene: Fork_17 Start: 5914, Stop: 6078, Start Num: 4

Candidate Starts for Fork_17:

(1, 5776), (Start: 4 @5914 has 9 MA's), (5, 5944), (6, 5977), (7, 5992), (8, 6028), (9, 6043), (10, 6067),

Gene: Lyell_20 Start: 6376, Stop: 6540, Start Num: 4

Candidate Starts for Lyell_20:

(1, 6238), (2, 6328), (Start: 4 @6376 has 9 MA's), (5, 6406), (6, 6439), (7, 6454), (8, 6490), (9, 6505), (10, 6529),

Gene: Musetta_19 Start: 6388, Stop: 6552, Start Num: 4

Candidate Starts for Musetta_19:

(1, 6250), (Start: 4 @6388 has 9 MA's), (5, 6418), (6, 6451), (7, 6466), (8, 6502), (9, 6517), (10, 6541),

Gene: Necrophoxinus_20 Start: 6737, Stop: 6901, Start Num: 4

Candidate Starts for Necrophoxinus_20:

(1, 6599), (3, 6701), (Start: 4 @6737 has 9 MA's), (5, 6767), (6, 6800), (7, 6815), (8, 6851), (9, 6866), (10, 6890),

Gene: RunningBrook_20 Start: 6655, Stop: 6819, Start Num: 4

Candidate Starts for RunningBrook_20:

(1, 6517), (2, 6607), (Start: 4 @6655 has 9 MA's), (5, 6685), (6, 6718), (7, 6733), (8, 6769), (9, 6784), (10, 6808),

Gene: StevieWelch_20 Start: 6538, Stop: 6702, Start Num: 4

Candidate Starts for StevieWelch_20:

(1, 6400), (Start: 4 @6538 has 9 MA's), (5, 6568), (6, 6601), (7, 6616), (8, 6652), (9, 6667), (10, 6691),

Gene: Welcome_19 Start: 6384, Stop: 6548, Start Num: 4

Candidate Starts for Welcome_19:

(1, 6246), (Start: 4 @6384 has 9 MA's), (5, 6414), (6, 6447), (7, 6462), (8, 6498), (9, 6513), (10, 6537),

Gene: Yuma_19 Start: 6287, Stop: 6451, Start Num: 4

Candidate Starts for Yuma_19:

(1, 6149), (Start: 4 @6287 has 9 MA's), (5, 6317), (6, 6350), (7, 6365), (8, 6401), (9, 6416), (10, 6440),