



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 162389 Report

This analysis was run 05/04/24 on database version 560.

Pham number 162389 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Musetta_14, StevieWelch_14, Fork_11
- Track 2 : RunningBrook_14, Lyell_14, DustyDino_14, Erenyeager_11
- Track 3 : Necrophoxinus_14
- Track 4 : Yuma_14, Welcome_14

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:

- DustyDino_14, Erenyeager_11, Fork_11, Lyell_14, Musetta_14, Necrophoxinus_14, RunningBrook_14, StevieWelch_14, Welcome_14, Yuma_14,

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: DustyDino_14 (ED2), Erenyeager_11 (ED2), Fork_11 (ED2), Lyell_14 (ED2), Musetta_14 (ED2), Necrophoxinus_14 (ED2), RunningBrook_14 (ED2), StevieWelch_14 (ED2), Welcome_14 (ED2), Yuma_14 (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: DustyDino_14 Start: 5076, Stop: 5228, Start Num: 4

Candidate Starts for DustyDino_14:

(Start: 4 @5076 has 8 MA's), (5, 5130), (6, 5154), (7, 5187), (8, 5220),

Gene: Erenyeager_11 Start: 4447, Stop: 4599, Start Num: 4

Candidate Starts for Erenyeager_11:

(Start: 4 @4447 has 8 MA's), (5, 4501), (6, 4525), (7, 4558), (8, 4591),

Gene: Fork_11 Start: 4329, Stop: 4481, Start Num: 4

Candidate Starts for Fork_11:

(1, 4203), (2, 4212), (3, 4242), (Start: 4 @4329 has 8 MA's), (5, 4383), (6, 4407), (7, 4440), (8, 4473),

Gene: Lyell_14 Start: 4791, Stop: 4943, Start Num: 4

Candidate Starts for Lyell_14:

(Start: 4 @4791 has 8 MA's), (5, 4845), (6, 4869), (7, 4902), (8, 4935),

Gene: Musetta_14 Start: 5039, Stop: 5191, Start Num: 4

Candidate Starts for Musetta_14:

(1, 4913), (2, 4922), (3, 4952), (Start: 4 @5039 has 8 MA's), (5, 5093), (6, 5117), (7, 5150), (8, 5183),

Gene: Necrophoxinus_14 Start: 5155, Stop: 5307, Start Num: 4

Candidate Starts for Necrophoxinus_14:

(Start: 4 @5155 has 8 MA's), (5, 5209), (6, 5233), (7, 5266), (8, 5299),

Gene: RunningBrook_14 Start: 5076, Stop: 5228, Start Num: 4

Candidate Starts for RunningBrook_14:

(Start: 4 @5076 has 8 MA's), (5, 5130), (6, 5154), (7, 5187), (8, 5220),

Gene: StevieWelch_14 Start: 4956, Stop: 5108, Start Num: 4

Candidate Starts for StevieWelch_14:

(1, 4830), (2, 4839), (3, 4869), (Start: 4 @4956 has 8 MA's), (5, 5010), (6, 5034), (7, 5067), (8, 5100),

Gene: Welcome_14 Start: 5035, Stop: 5187, Start Num: 4

Candidate Starts for Welcome_14:

(3, 4948), (Start: 4 @5035 has 8 MA's), (5, 5089), (6, 5113), (7, 5146), (8, 5179),

Gene: Yuma_14 Start: 4938, Stop: 5090, Start Num: 4

Candidate Starts for Yuma_14:

(3, 4851), (Start: 4 @4938 has 8 MA's), (5, 4992), (6, 5016), (7, 5049), (8, 5082),