



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 6943 Report

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

Pham number 6943 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Salz_45, Ebony_46, TinyTimmy_45, Mabel_46, Timothy_46, Et2Brutus_45
- Track 2 : Phlei_34
- Track 3 : Anthony_35

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anthony_35, Ebony_46, Et2Brutus_45, Mabel_46, Salz_45, Timothy_46, TinyTimmy_45,

Genes that have the "Most Annotated" start but do not call it:

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Genes that do not have the "Most Annotated" start:

- Phlei_34,

Summary by start number:

Start 1:

- Found in 1 of 8 (12.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phlei_34 (A13),

Start 2:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anthony_35 (A20), Ebony_46 (A11), Et2Brutus_45 (A11), Mabel_46 (A11), Salz_45 (A11), Timothy_46 (A11), TinyTimmy_45 (A11),

Summary by clusters:

There are 3 clusters represented in this pham: A20, A11, A13,

Info for manual annotations of cluster A11:

- Start number 2 was manually annotated 5 times for cluster A11.

Info for manual annotations of cluster A20:

- Start number 2 was manually annotated 1 time for cluster A20.

Gene Information:

Gene: Anthony_35 Start: 25937, Stop: 25743, Start Num: 2

Candidate Starts for Anthony_35:

(Start: 2 @25937 has 6 MA's), (5, 25913), (10, 25844), (13, 25799), (15, 25784),

Gene: Ebony_46 Start: 30937, Stop: 30746, Start Num: 2

Candidate Starts for Ebony_46:

(Start: 2 @30937 has 6 MA's), (3, 30928), (8, 30874), (9, 30847), (11, 30811), (17, 30757),

Gene: Et2Brutus_45 Start: 30897, Stop: 30706, Start Num: 2

Candidate Starts for Et2Brutus_45:

(Start: 2 @30897 has 6 MA's), (3, 30888), (8, 30834), (9, 30807), (11, 30771), (17, 30717),

Gene: Mabel_46 Start: 30947, Stop: 30756, Start Num: 2

Candidate Starts for Mabel_46:

(Start: 2 @30947 has 6 MA's), (3, 30938), (8, 30884), (9, 30857), (11, 30821), (17, 30767),

Gene: Phlei_34 Start: 31115, Stop: 30927, Start Num: 1

Candidate Starts for Phlei_34:

(1, 31115), (4, 31094), (6, 31079), (7, 31067), (12, 30989), (14, 30971), (15, 30965), (16, 30947), (17, 30938), (18, 30935),

Gene: Salz_45 Start: 30885, Stop: 30694, Start Num: 2

Candidate Starts for Salz_45:

(Start: 2 @30885 has 6 MA's), (3, 30876), (8, 30822), (9, 30795), (11, 30759), (17, 30705),

Gene: Timothy_46 Start: 30888, Stop: 30697, Start Num: 2

Candidate Starts for Timothy_46:

(Start: 2 @30888 has 6 MA's), (3, 30879), (8, 30825), (9, 30798), (11, 30762), (17, 30708),

Gene: TinyTimmy_45 Start: 30931, Stop: 30740, Start Num: 2

Candidate Starts for TinyTimmy_45:

(Start: 2 @30931 has 6 MA's), (3, 30922), (8, 30868), (9, 30841), (11, 30805), (17, 30751),