



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 87716 Report

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

Pham number 87716 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Phlei_51
- Track 2 : Fayely_61, Conquerage_61, Priya_61, Alma_61, Qobbit_61, EmyBug_57, ExplosioNervosa_61, Eidsmoe_61
- Track 3 : Spouty_58

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alma_61, Conquerage_61, Eidsmoe_61, EmyBug_57, ExplosioNervosa_61, Fayely_61, Priya_61, Qobbit_61,

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

- Phlei_51, Spouty_58,

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

•

Summary by start number:

Start 1:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Alma_61 (A9), Conquerage_61 (A9), Eidsmoe_61 (A9), EmyBug_57 (A9), ExplosioNervosa_61 (A9), Fayely_61 (A9), Priya_61 (A9), Qobbit_61 (A9),

Start 2:

- Found in 1 of 10 (10.0%) 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_51 (A13),

Start 3:

- Found in 9 of 10 (90.0%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Spouty_58 (A9),

Summary by clusters:

There are 2 clusters represented in this pham: A9, A13,

Info for manual annotations of cluster A9:

- Start number 1 was manually annotated 7 times for cluster A9.

Gene Information:

Gene: Alma_61 Start: 39511, Stop: 39371, Start Num: 1

Candidate Starts for Alma_61:

(Start: 1 @39511 has 7 MA's), (3, 39496), (4, 39430), (5, 39394),

Gene: Conquerage_61 Start: 39280, Stop: 39140, Start Num: 1

Candidate Starts for Conquerage_61:

(Start: 1 @39280 has 7 MA's), (3, 39265), (4, 39199), (5, 39163),

Gene: Eidsmoe_61 Start: 39272, Stop: 39132, Start Num: 1

Candidate Starts for Eidsmoe_61:

(Start: 1 @39272 has 7 MA's), (3, 39257), (4, 39191), (5, 39155),

Gene: EmyBug_57 Start: 39274, Stop: 39134, Start Num: 1

Candidate Starts for EmyBug_57:

(Start: 1 @39274 has 7 MA's), (3, 39259), (4, 39193), (5, 39157),

Gene: ExplosioNervosa_61 Start: 39340, Stop: 39200, Start Num: 1

Candidate Starts for ExplosioNervosa_61:

(Start: 1 @39340 has 7 MA's), (3, 39325), (4, 39259), (5, 39223),

Gene: Fayely_61 Start: 39241, Stop: 39101, Start Num: 1

Candidate Starts for Fayely_61:

(Start: 1 @39241 has 7 MA's), (3, 39226), (4, 39160), (5, 39124),

Gene: Phlei_51 Start: 39123, Stop: 38992, Start Num: 2

Candidate Starts for Phlei_51:

(Start: 1 @39126 has 7 MA's), (2, 39123), (4, 39048), (6, 39003),

Gene: Priya_61 Start: 39275, Stop: 39135, Start Num: 1

Candidate Starts for Priya_61:

(Start: 1 @39275 has 7 MA's), (3, 39260), (4, 39194), (5, 39158),

Gene: Qobbit_61 Start: 39237, Stop: 39097, Start Num: 1

Candidate Starts for Qobbit_61:

(Start: 1 @39237 has 7 MA's), (3, 39222), (4, 39156), (5, 39120),

Gene: Spouty_58 Start: 39259, Stop: 39134, Start Num: 3

Candidate Starts for Spouty_58:

(Start: 1 @39274 has 7 MA's), (3, 39259), (4, 39193), (5, 39157),