



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 280927 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280927 has 18 members, 2 are drafts.

Phages represented in each track:

- Track 1 : DarwinJr_4
- Track 2 : Bhageatrice_4
- Track 3 : Annalisa_1, MichaelScott_1, Easley_1, Invectra_1, Tuti_2, Beenie_1, Samman98_1, WinkNick_1, Thimann_1, Clark_1, Dolores_1, Sekhmet_1
- Track 4 : Delrey21_42, Verity_42, DoctorFroggo_42
- Track 5 : Footloose_16

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

The start number called the most often in the published annotations is 6, it was called in 11 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annalisa_1, Beenie_1, Clark_1, Dolores_1, Easley_1, Invectra_1, MichaelScott_1, Samman98_1, Sekhmet_1, Thimann_1, Tuti_2, WinkNick_1,

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:

- Bhageatrice_4, DarwinJr_4, Delrey21_42, DoctorFroggo_42, Footloose_16, Verity_42,

Summary by start number:

Start 2:

- Found in 3 of 18 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Bhageatrice_4 (AY),

Start 3:

- Found in 3 of 18 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 16

- Called 66.7% of time when present
- Phage (with cluster) where this start called: DarwinJr_4 (AY), Footloose_16 (singleton),

Start 5:

- Found in 3 of 18 (16.7%) of genes in pham
- Manual Annotations of this start: 3 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Delrey21_42 (DE4), DoctorFroggo_42 (DE4), Verity_42 (DE4),

Start 6:

- Found in 12 of 18 (66.7%) of genes in pham
- Manual Annotations of this start: 11 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annalisa_1 (CZ4), Beenie_1 (CZ4), Clark_1 (CZ4), Dolores_1 (CZ4), Easley_1 (CZ4), Invector_1 (CZ4), MichaelScott_1 (CZ4), Samman98_1 (CZ4), Sekhmet_1 (CZ4), Thimann_1 (CZ4), Tuti_2 (CZ4), WinkNick_1 (CZ4),

Summary by clusters:

There are 4 clusters represented in this pham: AY, singleton, DE4, CZ4,

Info for manual annotations of cluster AY:

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

Info for manual annotations of cluster CZ4:

- Start number 6 was manually annotated 11 times for cluster CZ4.

Info for manual annotations of cluster DE4:

- Start number 5 was manually annotated 3 times for cluster DE4.

Gene Information:

Gene: Annalisa_1 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for Annalisa_1:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),

Gene: Beenie_1 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for Beenie_1:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),

Gene: Bhageatrice_4 Start: 2128, Stop: 2829, Start Num: 2

Candidate Starts for Bhageatrice_4:

(1, 2113), (Start: 2 @2128 has 1 MA's), (Start: 3 @2173 has 1 MA's), (4, 2206), (10, 2419), (13, 2575), (16, 2689), (21, 2743), (22, 2758), (24, 2797),

Gene: Clark_1 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for Clark_1:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),

Gene: DarwinJr_4 Start: 2111, Stop: 2767, Start Num: 3

Candidate Starts for DarwinJr_4:

(1, 2051), (Start: 2 @2066 has 1 MA's), (Start: 3 @2111 has 1 MA's), (4, 2144), (10, 2357), (13, 2513), (16, 2627), (21, 2681), (24, 2735),

Gene: Delrey21_42 Start: 39489, Stop: 40070, Start Num: 5

Candidate Starts for Delrey21_42:

(Start: 5 @39489 has 3 MA's), (7, 39624), (11, 39747), (14, 39855), (18, 39957), (19, 39966), (20, 39987),

Gene: DoctorFroggo_42 Start: 39489, Stop: 40070, Start Num: 5

Candidate Starts for DoctorFroggo_42:

(Start: 5 @39489 has 3 MA's), (7, 39624), (11, 39747), (14, 39855), (18, 39957), (19, 39966), (20, 39987),

Gene: Dolores_1 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for Dolores_1:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),

Gene: Easley_1 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for Easley_1:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),

Gene: Footloose_16 Start: 9392, Stop: 9988, Start Num: 3

Candidate Starts for Footloose_16:

(Start: 2 @9350 has 1 MA's), (Start: 3 @9392 has 1 MA's), (8, 9596), (9, 9602), (17, 9872),

Gene: Invetra_1 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for Invetra_1:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),

Gene: MichaelScott_1 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for MichaelScott_1:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),

Gene: Samman98_1 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for Samman98_1:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),

Gene: Sekhmet_1 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for Sekhmet_1:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),

Gene: Thimann_1 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for Thimann_1:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),

Gene: Tuti_2 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for Tuti_2:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),

Gene: Verity_42 Start: 39489, Stop: 40070, Start Num: 5

Candidate Starts for Verity_42:

(Start: 5 @39489 has 3 MA's), (7, 39624), (11, 39747), (14, 39855), (18, 39957), (19, 39966), (20, 39987),

Gene: WinkNick_1 Start: 47, Stop: 517, Start Num: 6

Candidate Starts for WinkNick_1:

(Start: 6 @47 has 11 MA's), (12, 272), (15, 302), (19, 407), (23, 470),