



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 86926 Report

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

Pham number 86926 has 17 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Bock_42, Mulch_42, Francois_41, Nadeem_42, WheatThin_42, Brylie_42, NancyRae_42, Parada_42
- Track 2 : Pimento_44, DelRio_43
- Track 3 : BetterKatz_42
- Track 4 : Ayotoya_42, Hamood_42, Chop_42, GrandSlam_42
- Track 5 : TurkishDelight_50
- Track 6 : TPA4_41

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 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ayotoya_42, BetterKatz_42, Bock_42, Brylie_42, Chop_42, DelRio_43, Francois_41, GrandSlam_42, Hamood_42, Mulch_42, Nadeem_42, NancyRae_42, Parada_42, Pimento_44, TPA4_41, WheatThin_42,

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:

- TurkishDelight_50,

Summary by start number:

Start 1:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TurkishDelight_50 (singleton),

Start 2:

- Found in 16 of 17 (94.1%) of genes in pham

- Manual Annotations of this start: 13 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ayotoya_42 (DI), BetterKatz_42 (DI), Bock_42 (DI), Brylie_42 (DI), Chop_42 (DI), DelRio_43 (DI), Francois_41 (DI), GrandSlam_42 (DI), Hamood_42 (DI), Mulch_42 (DI), Nadeem_42 (DI), NancyRae_42 (DI), Parada_42 (DI), Pimento_44 (DI), TPA4_41 (singleton), WheatThin_42 (DI),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, DI,

Info for manual annotations of cluster DI:

- Start number 2 was manually annotated 13 times for cluster DI.

Gene Information:

Gene: Ayotoya_42 Start: 33417, Stop: 33632, Start Num: 2

Candidate Starts for Ayotoya_42:

(Start: 2 @33417 has 13 MA's), (9, 33570), (10, 33585),

Gene: BetterKatz_42 Start: 32945, Stop: 33160, Start Num: 2

Candidate Starts for BetterKatz_42:

(Start: 2 @32945 has 13 MA's), (7, 33047),

Gene: Bock_42 Start: 32637, Stop: 32852, Start Num: 2

Candidate Starts for Bock_42:

(Start: 2 @32637 has 13 MA's), (9, 32790),

Gene: Brylie_42 Start: 32684, Stop: 32899, Start Num: 2

Candidate Starts for Brylie_42:

(Start: 2 @32684 has 13 MA's), (9, 32837),

Gene: Chop_42 Start: 33164, Stop: 33379, Start Num: 2

Candidate Starts for Chop_42:

(Start: 2 @33164 has 13 MA's), (9, 33317), (10, 33332),

Gene: DelRio_43 Start: 33872, Stop: 34087, Start Num: 2

Candidate Starts for DelRio_43:

(Start: 2 @33872 has 13 MA's), (7, 33974),

Gene: Francois_41 Start: 32768, Stop: 32983, Start Num: 2

Candidate Starts for Francois_41:

(Start: 2 @32768 has 13 MA's), (9, 32921),

Gene: GrandSlam_42 Start: 33164, Stop: 33379, Start Num: 2

Candidate Starts for GrandSlam_42:

(Start: 2 @33164 has 13 MA's), (9, 33317), (10, 33332),

Gene: Hamood_42 Start: 33164, Stop: 33379, Start Num: 2

Candidate Starts for Hamood_42:

(Start: 2 @33164 has 13 MA's), (9, 33317), (10, 33332),

Gene: Mulch_42 Start: 32684, Stop: 32899, Start Num: 2

Candidate Starts for Mulch_42:

(Start: 2 @32684 has 13 MA's), (9, 32837),

Gene: Nadeem_42 Start: 32684, Stop: 32899, Start Num: 2

Candidate Starts for Nadeem_42:

(Start: 2 @32684 has 13 MA's), (9, 32837),

Gene: NancyRae_42 Start: 32694, Stop: 32909, Start Num: 2

Candidate Starts for NancyRae_42:

(Start: 2 @32694 has 13 MA's), (9, 32847),

Gene: Parada_42 Start: 32684, Stop: 32899, Start Num: 2

Candidate Starts for Parada_42:

(Start: 2 @32684 has 13 MA's), (9, 32837),

Gene: Pimento_44 Start: 32341, Stop: 32556, Start Num: 2

Candidate Starts for Pimento_44:

(Start: 2 @32341 has 13 MA's), (7, 32443),

Gene: TPA4_41 Start: 34071, Stop: 34304, Start Num: 2

Candidate Starts for TPA4_41:

(Start: 2 @34071 has 13 MA's),

Gene: TurkishDelight_50 Start: 43347, Stop: 43081, Start Num: 1

Candidate Starts for TurkishDelight_50:

(Start: 1 @43347 has 1 MA's), (3, 43311), (4, 43308), (5, 43278), (6, 43272), (8, 43191), (11, 43161),

Gene: WheatThin_42 Start: 32684, Stop: 32899, Start Num: 2

Candidate Starts for WheatThin_42:

(Start: 2 @32684 has 13 MA's), (9, 32837),