



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 87039 Report

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

Pham number 87039 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Nadeem_52, Brylie_52, BetterKatz_52, WheatThin_51, Mulch_52, Parada_52
- Track 2 : Pimento_54
- Track 3 : GrandSlam_52, Bock_52, Hamood_52, DelRio_53, NancyRae_51, Ayotoya_52, Chop_52
- Track 4 : Francois_51

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 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ayotoya_52, BetterKatz_52, Bock_52, Brylie_52, Chop_52, DelRio_53, Francois_51, GrandSlam_52, Hamood_52, Mulch_52, Nadeem_52, NancyRae_51, Parada_52, WheatThin_51,

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

- Pimento_54,

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

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Summary by start number:

Start 1:

- Found in 8 of 15 (53.3%) of genes in pham
- No Manual Annotations of this start.
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Pimento_54 (DI),

Start 2:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13

- Called 93.3% of time when present
- Phage (with cluster) where this start called: Ayotoya_52 (DI), BetterKatz_52 (DI), Bock_52 (DI), Brylie_52 (DI), Chop_52 (DI), DelRio_53 (DI), Francois_51 (DI), GrandSlam_52 (DI), Hamood_52 (DI), Mulch_52 (DI), Nadeem_52 (DI), NancyRae_51 (DI), Parada_52 (DI), WheatThin_51 (DI),

Summary by clusters:

There is one cluster represented in this pham: DI

Info for manual annotations of cluster DI:

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

Gene Information:

Gene: Ayotoya_52 Start: 38143, Stop: 38385, Start Num: 2

Candidate Starts for Ayotoya_52:

(1, 38050), (Start: 2 @38143 has 13 MA's), (4, 38350),

Gene: BetterKatz_52 Start: 37641, Stop: 37883, Start Num: 2

Candidate Starts for BetterKatz_52:

(Start: 2 @37641 has 13 MA's), (4, 37848),

Gene: Bock_52 Start: 37375, Stop: 37617, Start Num: 2

Candidate Starts for Bock_52:

(1, 37282), (Start: 2 @37375 has 13 MA's), (4, 37582),

Gene: Brylie_52 Start: 37437, Stop: 37679, Start Num: 2

Candidate Starts for Brylie_52:

(Start: 2 @37437 has 13 MA's), (4, 37644),

Gene: Chop_52 Start: 37894, Stop: 38136, Start Num: 2

Candidate Starts for Chop_52:

(1, 37801), (Start: 2 @37894 has 13 MA's), (4, 38101),

Gene: DelRio_53 Start: 38619, Stop: 38861, Start Num: 2

Candidate Starts for DelRio_53:

(1, 38526), (Start: 2 @38619 has 13 MA's), (4, 38826),

Gene: Francois_51 Start: 37402, Stop: 37644, Start Num: 2

Candidate Starts for Francois_51:

(Start: 2 @37402 has 13 MA's), (3, 37477), (4, 37609),

Gene: GrandSlam_52 Start: 37894, Stop: 38136, Start Num: 2

Candidate Starts for GrandSlam_52:

(1, 37801), (Start: 2 @37894 has 13 MA's), (4, 38101),

Gene: Hamood_52 Start: 37894, Stop: 38136, Start Num: 2

Candidate Starts for Hamood_52:

(1, 37801), (Start: 2 @37894 has 13 MA's), (4, 38101),

Gene: Mulch_52 Start: 37437, Stop: 37679, Start Num: 2
Candidate Starts for Mulch_52:
(Start: 2 @37437 has 13 MA's), (4, 37644),

Gene: Nadeem_52 Start: 37425, Stop: 37667, Start Num: 2
Candidate Starts for Nadeem_52:
(Start: 2 @37425 has 13 MA's), (4, 37632),

Gene: NancyRae_51 Start: 37444, Stop: 37686, Start Num: 2
Candidate Starts for NancyRae_51:
(1, 37351), (Start: 2 @37444 has 13 MA's), (4, 37651),

Gene: Parada_52 Start: 37437, Stop: 37679, Start Num: 2
Candidate Starts for Parada_52:
(Start: 2 @37437 has 13 MA's), (4, 37644),

Gene: Pimento_54 Start: 36929, Stop: 37264, Start Num: 1
Candidate Starts for Pimento_54:
(1, 36929), (Start: 2 @37022 has 13 MA's), (4, 37229),

Gene: WheatThin_51 Start: 37425, Stop: 37667, Start Num: 2
Candidate Starts for WheatThin_51:
(Start: 2 @37425 has 13 MA's), (4, 37632),