



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 5765 Report

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

Pham number 5765 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : A3Wally_24, PauloDiaboli_379, PauloDiaboli_24, A3Wally_377
- Track 2 : Big4_25, Big4_351
- Track 3 : Zooman_23, Zooman_336
- Track 4 : Cece_329, Cece_27

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 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Big4_25, Big4_351, Cece_27, Cece_329, Zooman_23, Zooman_336,

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:

- A3Wally_24, A3Wally_377, PauloDiaboli_24, PauloDiaboli_379,

Summary by start number:

Start 1:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 4 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A3Wally_24 (GD1), A3Wally_377 (GD1), PauloDiaboli_24 (GD1), PauloDiaboli_379 (GD1),

Start 2:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 6 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Big4_25 (GD2), Big4_351 (GD2), Cece_27 (GD3), Cece_329 (GD3), Zooman_23 (GD2), Zooman_336 (GD2),

Summary by clusters:

There are 3 clusters represented in this pham: GD1, GD2, GD3,

Info for manual annotations of cluster GD1:

- Start number 1 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 2 was manually annotated 4 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 2 was manually annotated 2 times for cluster GD3.

Gene Information:

Gene: A3Wally_24 Start: 8533, Stop: 8865, Start Num: 1

Candidate Starts for A3Wally_24:

(Start: 1 @8533 has 4 MA's), (3, 8620), (4, 8650), (5, 8674),

Gene: A3Wally_377 Start: 187754, Stop: 188086, Start Num: 1

Candidate Starts for A3Wally_377:

(Start: 1 @187754 has 4 MA's), (3, 187841), (4, 187871), (5, 187895),

Gene: Big4_25 Start: 10932, Stop: 11279, Start Num: 2

Candidate Starts for Big4_25:

(Start: 2 @10932 has 6 MA's),

Gene: Big4_351 Start: 185626, Stop: 185973, Start Num: 2

Candidate Starts for Big4_351:

(Start: 2 @185626 has 6 MA's),

Gene: Cece_329 Start: 178582, Stop: 178923, Start Num: 2

Candidate Starts for Cece_329:

(Start: 2 @178582 has 6 MA's),

Gene: Cece_27 Start: 10148, Stop: 10489, Start Num: 2

Candidate Starts for Cece_27:

(Start: 2 @10148 has 6 MA's),

Gene: PauloDiaboli_379 Start: 185002, Stop: 185334, Start Num: 1

Candidate Starts for PauloDiaboli_379:

(Start: 1 @185002 has 4 MA's), (3, 185089), (4, 185119), (5, 185143),

Gene: PauloDiaboli_24 Start: 8373, Stop: 8705, Start Num: 1

Candidate Starts for PauloDiaboli_24:

(Start: 1 @8373 has 4 MA's), (3, 8460), (4, 8490), (5, 8514),

Gene: Zooman_23 Start: 10307, Stop: 10654, Start Num: 2

Candidate Starts for Zooman_23:

(Start: 2 @10307 has 6 MA's),

Gene: Zooman_336 Start: 185958, Stop: 186305, Start Num: 2
Candidate Starts for Zooman_336:
(Start: 2 @185958 has 6 MA's),