



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 87905 Report

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

Pham number 87905 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Mutzi_87, ClamChowder_90, Barb_91, Fugax_91, Danyall_88, YungMoney_87, TillyBobJoe_86, PinkCoffee_89
- Track 2 : Finkle_73

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

The start number called the most often in the published annotations is 4, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Barb_91, ClamChowder_90, Danyall_88, Fugax_91, Mutzi_87, PinkCoffee_89, TillyBobJoe_86, YungMoney_87,

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:

- Finkle_73,

Summary by start number:

Start 4:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barb_91 (DC1), ClamChowder_90 (DC1), Danyall_88 (DC1), Fugax_91 (DC1), Mutzi_87 (DC1), PinkCoffee_89 (DC1), TillyBobJoe_86 (DC1), YungMoney_87 (DC1),

Start 7:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finkle_73 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, DC1,

Info for manual annotations of cluster DC1:

•Start number 4 was manually annotated 8 times for cluster DC1.

Gene Information:

Gene: Barb_91 Start: 57328, Stop: 56984, Start Num: 4

Candidate Starts for Barb_91:

(1, 57457), (2, 57364), (3, 57343), (Start: 4 @57328 has 8 MA's), (5, 57298), (8, 57217), (12, 57118), (13, 57064), (14, 57031), (15, 57025),

Gene: ClamChowder_90 Start: 57328, Stop: 56984, Start Num: 4

Candidate Starts for ClamChowder_90:

(1, 57457), (2, 57364), (3, 57343), (Start: 4 @57328 has 8 MA's), (5, 57298), (8, 57217), (12, 57118), (13, 57064), (14, 57031), (15, 57025),

Gene: Danyall_88 Start: 56509, Stop: 56165, Start Num: 4

Candidate Starts for Danyall_88:

(1, 56638), (2, 56545), (3, 56524), (Start: 4 @56509 has 8 MA's), (5, 56479), (8, 56398), (12, 56299), (13, 56245), (14, 56212), (15, 56206),

Gene: Finkle_73 Start: 44192, Stop: 44452, Start Num: 7

Candidate Starts for Finkle_73:

(6, 44183), (Start: 7 @44192 has 1 MA's), (9, 44243), (10, 44246), (11, 44273), (14, 44405), (16, 44444),

Gene: Fugax_91 Start: 57320, Stop: 56976, Start Num: 4

Candidate Starts for Fugax_91:

(1, 57449), (2, 57356), (3, 57335), (Start: 4 @57320 has 8 MA's), (5, 57290), (8, 57209), (12, 57110), (13, 57056), (14, 57023), (15, 57017),

Gene: Mutzi_87 Start: 57469, Stop: 57125, Start Num: 4

Candidate Starts for Mutzi_87:

(1, 57598), (2, 57505), (3, 57484), (Start: 4 @57469 has 8 MA's), (5, 57439), (8, 57358), (12, 57259), (13, 57205), (14, 57172), (15, 57166),

Gene: PinkCoffee_89 Start: 56373, Stop: 56029, Start Num: 4

Candidate Starts for PinkCoffee_89:

(1, 56502), (2, 56409), (3, 56388), (Start: 4 @56373 has 8 MA's), (5, 56343), (8, 56262), (12, 56163), (13, 56109), (14, 56076), (15, 56070),

Gene: TillyBobJoe_86 Start: 56493, Stop: 56149, Start Num: 4

Candidate Starts for TillyBobJoe_86:

(1, 56622), (2, 56529), (3, 56508), (Start: 4 @56493 has 8 MA's), (5, 56463), (8, 56382), (12, 56283), (13, 56229), (14, 56196), (15, 56190),

Gene: YungMoney_87 Start: 58309, Stop: 57965, Start Num: 4

Candidate Starts for YungMoney_87:

(1, 58438), (2, 58345), (3, 58324), (Start: 4 @58309 has 8 MA's), (5, 58279), (8, 58198), (12, 58099),
(13, 58045), (14, 58012), (15, 58006),