



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 87996 Report

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

Pham number 87996 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Oaker_54, Cborch11_56, Thumb_55, Konstantine_58, Megatron06_58, Damien_55, Phreeze_53
- Track 2 : Puissant_54
- Track 3 : Predator_53

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cborch11_56, Damien_55, Konstantine_58, Megatron06_58, Oaker_54, Phreeze_53, Puissant_54, Thumb_55,

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:

- Predator_53,

Summary by start number:

Start 2:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Predator_53 (H1),

Start 3:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cborch11_56 (H1), Damien_55 (H1), Konstantine_58 (H1), Megatron06_58 (H1), Oaker_54 (H1), Phreeze_53 (H1),

Puissant_54 (H1), Thumb_55 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:

- Start number 2 was manually annotated 1 time for cluster H1.
- Start number 3 was manually annotated 6 times for cluster H1.

Gene Information:

Gene: Cborch11_56 Start: 44038, Stop: 44214, Start Num: 3

Candidate Starts for Cborch11_56:

(Start: 3 @44038 has 6 MA's), (4, 44050), (6, 44071), (7, 44074), (14, 44197),

Gene: Damien_55 Start: 44000, Stop: 44176, Start Num: 3

Candidate Starts for Damien_55:

(Start: 3 @44000 has 6 MA's), (4, 44012), (6, 44033), (7, 44036), (14, 44159),

Gene: Konstantine_58 Start: 44831, Stop: 45007, Start Num: 3

Candidate Starts for Konstantine_58:

(Start: 3 @44831 has 6 MA's), (4, 44843), (6, 44864), (7, 44867), (14, 44990),

Gene: Megatron06_58 Start: 44577, Stop: 44753, Start Num: 3

Candidate Starts for Megatron06_58:

(Start: 3 @44577 has 6 MA's), (4, 44589), (6, 44610), (7, 44613), (14, 44736),

Gene: Oaker_54 Start: 44292, Stop: 44468, Start Num: 3

Candidate Starts for Oaker_54:

(Start: 3 @44292 has 6 MA's), (4, 44304), (6, 44325), (7, 44328), (14, 44451),

Gene: Phreeze_53 Start: 43597, Stop: 43773, Start Num: 3

Candidate Starts for Phreeze_53:

(Start: 3 @43597 has 6 MA's), (4, 43609), (6, 43630), (7, 43633), (14, 43756),

Gene: Predator_53 Start: 41850, Stop: 42044, Start Num: 2

Candidate Starts for Predator_53:

(Start: 2 @41850 has 1 MA's), (5, 41886), (10, 41949), (12, 41985),

Gene: Puissant_54 Start: 43670, Stop: 43864, Start Num: 3

Candidate Starts for Puissant_54:

(1, 43580), (Start: 3 @43670 has 6 MA's), (8, 43709), (9, 43718), (11, 43757), (13, 43793), (15, 43856),

Gene: Thumb_55 Start: 44032, Stop: 44208, Start Num: 3

Candidate Starts for Thumb_55:

(Start: 3 @44032 has 6 MA's), (4, 44044), (6, 44065), (7, 44068), (14, 44191),