



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 28055 Report

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

Pham number 28055 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Oaker_55, Cborch11_57, Megatron06_59, Thumb_56, Konstantine_59, Phreeze_54, Damien_56
- Track 2 : Puissant_55
- Track 3 : Beckerton_55

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

The start number called the most often in the published annotations is 8, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beckerton_55, Cborch11_57, Damien_56, Konstantine_59, Megatron06_59, Oaker_55, Phreeze_54, Puissant_55, Thumb_56,

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

-

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

-

Summary by start number:

Start 8:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beckerton_55 (H1), Cborch11_57 (H1), Damien_56 (H1), Konstantine_59 (H1), Megatron06_59 (H1), Oaker_55 (H1), Phreeze_54 (H1), Puissant_55 (H1), Thumb_56 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:

- Start number 8 was manually annotated 7 times for cluster H1.

Gene Information:

Gene: Beckerton_55 Start: 44693, Stop: 44893, Start Num: 8

Candidate Starts for Beckerton_55:

(1, 44024), (2, 44063), (3, 44198), (4, 44231), (5, 44378), (6, 44426), (7, 44528), (Start: 8 @44693 has 7 MA's), (10, 44723), (11, 44819), (12, 44849),

Gene: Cborch11_57 Start: 44211, Stop: 44411, Start Num: 8

Candidate Starts for Cborch11_57:

(Start: 8 @44211 has 7 MA's), (11, 44337), (12, 44367),

Gene: Damien_56 Start: 44173, Stop: 44373, Start Num: 8

Candidate Starts for Damien_56:

(Start: 8 @44173 has 7 MA's), (11, 44299), (12, 44329),

Gene: Konstantine_59 Start: 45004, Stop: 45204, Start Num: 8

Candidate Starts for Konstantine_59:

(Start: 8 @45004 has 7 MA's), (11, 45130), (12, 45160),

Gene: Megatron06_59 Start: 44750, Stop: 44950, Start Num: 8

Candidate Starts for Megatron06_59:

(Start: 8 @44750 has 7 MA's), (11, 44876), (12, 44906),

Gene: Oaker_55 Start: 44465, Stop: 44665, Start Num: 8

Candidate Starts for Oaker_55:

(Start: 8 @44465 has 7 MA's), (11, 44591), (12, 44621),

Gene: Phreeze_54 Start: 43770, Stop: 43970, Start Num: 8

Candidate Starts for Phreeze_54:

(Start: 8 @43770 has 7 MA's), (11, 43896), (12, 43926),

Gene: Puissant_55 Start: 43861, Stop: 44070, Start Num: 8

Candidate Starts for Puissant_55:

(Start: 8 @43861 has 7 MA's), (9, 43879), (10, 43900), (12, 44026),

Gene: Thumb_56 Start: 44205, Stop: 44405, Start Num: 8

Candidate Starts for Thumb_56:

(Start: 8 @44205 has 7 MA's), (11, 44331), (12, 44361),