



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 28044 Report

This analysis was run 04/05/24 on database version 557.

Pham number 28044 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Damien_70, Phreeze_69, Cborch11_72, Thumb_71, Konstantine_74
- Track 2 : Puissant_71
- Track 3 : Oaker_70, Beckerton_69
- Track 4 : Megatron06_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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beckerton_69, Cborch11_72, Damien_70, Konstantine_74, Oaker_70, Phreeze_69, Puissant_71, Thumb_71,

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

- Megatron06_73,

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

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Summary by start number:

Start 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Beckerton_69 (H1), Cborch11_72 (H1), Damien_70 (H1), Konstantine_74 (H1), Oaker_70 (H1), Phreeze_69 (H1), Puissant_71 (H1), Thumb_71 (H1),

Start 5:

- Found in 9 of 9 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present

- Phage (with cluster) where this start called: Megatron06_73 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:

- Start number 4 was manually annotated 7 times for cluster H1.

Gene Information:

Gene: Beckerton_69 Start: 52354, Stop: 52617, Start Num: 4

Candidate Starts for Beckerton_69:

(1, 52306), (Start: 4 @52354 has 7 MA's), (5, 52363), (6, 52381), (7, 52429),

Gene: Cborch11_72 Start: 51876, Stop: 52139, Start Num: 4

Candidate Starts for Cborch11_72:

(1, 51828), (Start: 4 @51876 has 7 MA's), (5, 51885), (7, 51951),

Gene: Damien_70 Start: 51838, Stop: 52101, Start Num: 4

Candidate Starts for Damien_70:

(1, 51790), (Start: 4 @51838 has 7 MA's), (5, 51847), (7, 51913),

Gene: Konstantine_74 Start: 52669, Stop: 52932, Start Num: 4

Candidate Starts for Konstantine_74:

(1, 52621), (Start: 4 @52669 has 7 MA's), (5, 52678), (7, 52744),

Gene: Megatron06_73 Start: 52424, Stop: 52678, Start Num: 5

Candidate Starts for Megatron06_73:

(1, 52367), (Start: 4 @52415 has 7 MA's), (5, 52424), (7, 52490),

Gene: Oaker_70 Start: 52465, Stop: 52728, Start Num: 4

Candidate Starts for Oaker_70:

(1, 52417), (Start: 4 @52465 has 7 MA's), (5, 52474), (6, 52492), (7, 52540),

Gene: Phreeze_69 Start: 51432, Stop: 51695, Start Num: 4

Candidate Starts for Phreeze_69:

(1, 51384), (Start: 4 @51432 has 7 MA's), (5, 51441), (7, 51507),

Gene: Puissant_71 Start: 51535, Stop: 51795, Start Num: 4

Candidate Starts for Puissant_71:

(2, 51517), (3, 51520), (Start: 4 @51535 has 7 MA's), (5, 51541), (6, 51559),

Gene: Thumb_71 Start: 51867, Stop: 52130, Start Num: 4

Candidate Starts for Thumb_71:

(1, 51819), (Start: 4 @51867 has 7 MA's), (5, 51876), (7, 51942),