



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 214892 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214892 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Megatron06_77, Phreeze_75, Oaker_76, Thumb_77, Beckerton_75, Konstantine_79
- Track 2 : Damien_76
- Track 3 : Cborch11_77
- Track 4 : Predator_75
- Track 5 : Puissant_76

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beckerton_75, Cborch11_77, Damien_76, Konstantine_79, Megatron06_77, Oaker_76, Phreeze_75, Predator_75, Puissant_76, Thumb_77,

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 3:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beckerton_75 (H1), Cborch11_77 (H1), Damien_76 (H1), Konstantine_79 (H1), Megatron06_77 (H1), Oaker_76 (H1), Phreeze_75 (H1), Predator_75 (H1), Puissant_76 (H1), Thumb_77 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:

•Start number 3 was manually annotated 9 times for cluster H1.

Gene Information:

Gene: Beckerton_75 Start: 55576, Stop: 55977, Start Num: 3

Candidate Starts for Beckerton_75:

(1, 55480), (2, 55537), (Start: 3 @55576 has 9 MA's), (4, 55582), (5, 55591), (6, 55615), (7, 55624), (9, 55756), (10, 55771),

Gene: Cborch11_77 Start: 54773, Stop: 55162, Start Num: 3

Candidate Starts for Cborch11_77:

(1, 54677), (2, 54734), (Start: 3 @54773 has 9 MA's), (4, 54779), (5, 54788), (6, 54812), (7, 54821), (8, 54863), (9, 54953), (10, 54968),

Gene: Damien_76 Start: 55083, Stop: 55472, Start Num: 3

Candidate Starts for Damien_76:

(1, 54987), (2, 55044), (Start: 3 @55083 has 9 MA's), (4, 55089), (5, 55098), (6, 55122), (7, 55131), (8, 55173), (9, 55263), (10, 55278),

Gene: Konstantine_79 Start: 55566, Stop: 55967, Start Num: 3

Candidate Starts for Konstantine_79:

(1, 55470), (2, 55527), (Start: 3 @55566 has 9 MA's), (4, 55572), (5, 55581), (6, 55605), (7, 55614), (9, 55746), (10, 55761),

Gene: Megatron06_77 Start: 55657, Stop: 56058, Start Num: 3

Candidate Starts for Megatron06_77:

(1, 55561), (2, 55618), (Start: 3 @55657 has 9 MA's), (4, 55663), (5, 55672), (6, 55696), (7, 55705), (9, 55837), (10, 55852),

Gene: Oaker_76 Start: 55686, Stop: 56087, Start Num: 3

Candidate Starts for Oaker_76:

(1, 55590), (2, 55647), (Start: 3 @55686 has 9 MA's), (4, 55692), (5, 55701), (6, 55725), (7, 55734), (9, 55866), (10, 55881),

Gene: Phreeze_75 Start: 54656, Stop: 55057, Start Num: 3

Candidate Starts for Phreeze_75:

(1, 54560), (2, 54617), (Start: 3 @54656 has 9 MA's), (4, 54662), (5, 54671), (6, 54695), (7, 54704), (9, 54836), (10, 54851),

Gene: Predator_75 Start: 54337, Stop: 54759, Start Num: 3

Candidate Starts for Predator_75:

(Start: 3 @54337 has 9 MA's), (4, 54343), (5, 54352), (10, 54535), (11, 54553), (12, 54601), (13, 54619),

Gene: Puissant_76 Start: 54821, Stop: 55210, Start Num: 3

Candidate Starts for Puissant_76:

(Start: 3 @54821 has 9 MA's), (4, 54827), (7, 54869), (9, 55001), (10, 55016),

Gene: Thumb_77 Start: 55088, Stop: 55489, Start Num: 3

Candidate Starts for Thumb_77:

(1, 54992), (2, 55049), (Start: 3 @55088 has 9 MA's), (4, 55094), (5, 55103), (6, 55127), (7, 55136), (9, 55268), (10, 55283),