



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 309945 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309945 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : EhyElimayoE_310, Kradal_307, Quantum_305, Satis_307
- Track 2 : Nirvana_334
- Track 3 : Sarkar_305
- Track 4 : JustBecause_302
- Track 5 : Frankenweenie_330

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EhyElimayoE_310, Frankenweenie_330, JustBecause_302, Kradal_307, Nirvana_334, Quantum_305, Sarkar_305, Satis_307,

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 1:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EhyElimayoE_310 (BM), Frankenweenie_330 (BM), JustBecause_302 (BM), Kradal_307 (BM), Nirvana_334 (BM), Quantum_305 (BM), Sarkar_305 (BM), Satis_307 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:

•Start number 1 was manually annotated 8 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_310 Start: 168720, Stop: 168343, Start Num: 1

Candidate Starts for EhyElimayoE_310:

(Start: 1 @168720 has 8 MA's), (2, 168702), (6, 168618), (11, 168561), (13, 168507), (14, 168483),

Gene: Frankenweenie_330 Start: 180479, Stop: 180111, Start Num: 1

Candidate Starts for Frankenweenie_330:

(Start: 1 @180479 has 8 MA's), (3, 180455), (9, 180335), (12, 180299), (13, 180272), (15, 180188),

Gene: JustBecause_302 Start: 164318, Stop: 163938, Start Num: 1

Candidate Starts for JustBecause_302:

(Start: 1 @164318 has 8 MA's), (3, 164291), (4, 164237), (8, 164183), (10, 164162), (13, 164105), (14, 164081),

Gene: Kradal_307 Start: 168717, Stop: 168340, Start Num: 1

Candidate Starts for Kradal_307:

(Start: 1 @168717 has 8 MA's), (2, 168699), (6, 168615), (11, 168558), (13, 168504), (14, 168480),

Gene: Nirvana_334 Start: 183445, Stop: 183077, Start Num: 1

Candidate Starts for Nirvana_334:

(Start: 1 @183445 has 8 MA's), (3, 183421), (5, 183367), (7, 183319), (11, 183292), (12, 183265), (13, 183238),

Gene: Quantum_305 Start: 168711, Stop: 168334, Start Num: 1

Candidate Starts for Quantum_305:

(Start: 1 @168711 has 8 MA's), (2, 168693), (6, 168609), (11, 168552), (13, 168498), (14, 168474),

Gene: Sarkar_305 Start: 168762, Stop: 168385, Start Num: 1

Candidate Starts for Sarkar_305:

(Start: 1 @168762 has 8 MA's), (6, 168660), (11, 168603), (13, 168549), (16, 168426),

Gene: Satis_307 Start: 169054, Stop: 168677, Start Num: 1

Candidate Starts for Satis_307:

(Start: 1 @169054 has 8 MA's), (2, 169036), (6, 168952), (11, 168895), (13, 168841), (14, 168817),