



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 278863 Report

This analysis was run 02/07/26 on database version 634.

Pham number 278863 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Kradal_50, Sarkar_53, EhyElimayoE_50, Quantum_49
- Track 2 : JustBecause_44, Kela_45
- Track 3 : Nirvana_54
- Track 4 : Satis_50
- Track 5 : Frankenweenie_57

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 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EhyElimayoE_50, Frankenweenie_57, JustBecause_44, Kela_45, Kradal_50, Nirvana_54, Quantum_49, Sarkar_53,

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

- Satis_50,

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 8
- Called 88.9% of time when present
- Phage (with cluster) where this start called: EhyElimayoE_50 (BM), Frankenweenie_57 (BM), JustBecause_44 (BM), Kela_45 (BM), Kradal_50 (BM), Nirvana_54 (BM), Quantum_49 (BM), Sarkar_53 (BM),

Start 5:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 1 of 8

- Called 20.0% of time when present
- Phage (with cluster) where this start called: Satis_50 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:

- Start number 4 was manually annotated 7 times for cluster BM.
- Start number 5 was manually annotated 1 time for cluster BM.

Gene Information:

Gene: EhyElimayoE_50 Start: 27577, Stop: 28065, Start Num: 4

Candidate Starts for EhyElimayoE_50:

(Start: 4 @27577 has 7 MA's), (Start: 5 @27586 has 1 MA's), (9, 27667), (10, 27700), (11, 27709), (13, 27907), (14, 27949), (15, 27952),

Gene: Frankenweenie_57 Start: 30164, Stop: 30652, Start Num: 4

Candidate Starts for Frankenweenie_57:

(1, 30113), (2, 30119), (Start: 4 @30164 has 7 MA's), (6, 30197), (7, 30221), (8, 30245), (11, 30296), (14, 30536), (15, 30539), (16, 30545), (17, 30560), (18, 30611), (19, 30614),

Gene: JustBecause_44 Start: 24800, Stop: 25288, Start Num: 4

Candidate Starts for JustBecause_44:

(3, 24797), (Start: 4 @24800 has 7 MA's), (6, 24833), (7, 24857), (8, 24881), (9, 24890), (11, 24932), (12, 24974), (14, 25172), (15, 25175),

Gene: Kela_45 Start: 24665, Stop: 25153, Start Num: 4

Candidate Starts for Kela_45:

(3, 24662), (Start: 4 @24665 has 7 MA's), (6, 24698), (7, 24722), (8, 24746), (9, 24755), (11, 24797), (12, 24839), (14, 25037), (15, 25040),

Gene: Kradal_50 Start: 27577, Stop: 28065, Start Num: 4

Candidate Starts for Kradal_50:

(Start: 4 @27577 has 7 MA's), (Start: 5 @27586 has 1 MA's), (9, 27667), (10, 27700), (11, 27709), (13, 27907), (14, 27949), (15, 27952),

Gene: Nirvana_54 Start: 29563, Stop: 30051, Start Num: 4

Candidate Starts for Nirvana_54:

(1, 29512), (Start: 4 @29563 has 7 MA's), (6, 29596), (7, 29620), (11, 29695), (14, 29935), (15, 29938), (16, 29944), (17, 29959),

Gene: Quantum_49 Start: 27577, Stop: 28065, Start Num: 4

Candidate Starts for Quantum_49:

(Start: 4 @27577 has 7 MA's), (Start: 5 @27586 has 1 MA's), (9, 27667), (10, 27700), (11, 27709), (13, 27907), (14, 27949), (15, 27952),

Gene: Sarkar_53 Start: 27577, Stop: 28065, Start Num: 4

Candidate Starts for Sarkar_53:

(Start: 4 @27577 has 7 MA's), (Start: 5 @27586 has 1 MA's), (9, 27667), (10, 27700), (11, 27709), (13, 27907), (14, 27949), (15, 27952),

Gene: Satis_50 Start: 27582, Stop: 28061, Start Num: 5

Candidate Starts for Satis_50:

(Start: 4 @27573 has 7 MA's), (Start: 5 @27582 has 1 MA's), (9, 27663), (10, 27696), (11, 27705), (13, 27903), (14, 27945), (15, 27948),