



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 309747 Report

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

Pham number 309747 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Abt2graduatex2_50
- Track 2 : Kradal_283, Sarkar_281, EhyElimayoE_286, Quantum_281, Satis_283
- Track 3 : Frankenweenie_307
- Track 4 : JustBecause_279, Kela_280
- Track 5 : Nirvana_306

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- EhyElimayoE_286, JustBecause_279, Kela_280, Kradal_283, Quantum_281, Sarkar_281, Satis_283,

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

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

- Abt2graduatex2_50, Frankenweenie_307, Nirvana_306,

Summary by start number:

Start 5:

- Found in 7 of 10 (70.0%) of genes in pham
- Manual Annotations of this start: 7 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EhyElimayoE_286 (BM), JustBecause_279 (BM), Kela_280 (BM), Kradal_283 (BM), Quantum_281 (BM), Sarkar_281 (BM), Satis_283 (BM),

Start 6:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 10

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Frankenweenie_307 (BM), Nirvana_306 (BM),

Start 7:

- Found in 3 of 10 (30.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_50 (BG),

Summary by clusters:

There are 2 clusters represented in this pham: BM, BG,

Info for manual annotations of cluster BG:

- Start number 7 was manually annotated 1 time for cluster BG.

Info for manual annotations of cluster BM:

- Start number 5 was manually annotated 7 times for cluster BM.
- Start number 6 was manually annotated 2 times for cluster BM.

Gene Information:

Gene: Abt2graduatex2_50 Start: 40102, Stop: 39767, Start Num: 7

Candidate Starts for Abt2graduatex2_50:

(1, 40231), (3, 40201), (4, 40174), (Start: 7 @40102 has 1 MA's), (10, 40063), (16, 39964), (18, 39925), (19, 39922), (20, 39916), (28, 39787),

Gene: EhyElimayoE_286 Start: 159340, Stop: 158963, Start Num: 5

Candidate Starts for EhyElimayoE_286:

(2, 159424), (Start: 5 @159340 has 7 MA's), (9, 159289), (11, 159268), (13, 159253), (15, 159169), (23, 159073), (24, 159067), (27, 159004), (28, 158983),

Gene: Frankenweenie_307 Start: 171164, Stop: 170799, Start Num: 6

Candidate Starts for Frankenweenie_307:

(Start: 6 @171164 has 2 MA's), (Start: 7 @171146 has 1 MA's), (12, 171086), (21, 170927), (26, 170849), (28, 170819),

Gene: JustBecause_279 Start: 154823, Stop: 154446, Start Num: 5

Candidate Starts for JustBecause_279:

(Start: 5 @154823 has 7 MA's), (11, 154751), (14, 154709), (15, 154652), (17, 154619), (22, 154559), (24, 154550), (25, 154535), (28, 154466),

Gene: Kela_280 Start: 156853, Stop: 156476, Start Num: 5

Candidate Starts for Kela_280:

(Start: 5 @156853 has 7 MA's), (11, 156781), (14, 156739), (15, 156682), (17, 156649), (22, 156589), (24, 156580), (25, 156565), (28, 156496),

Gene: Kradal_283 Start: 159337, Stop: 158960, Start Num: 5

Candidate Starts for Kradal_283:

(2, 159421), (Start: 5 @159337 has 7 MA's), (9, 159286), (11, 159265), (13, 159250), (15, 159166), (23, 159070), (24, 159064), (27, 159001), (28, 158980),

Gene: Nirvana_306 Start: 172413, Stop: 172048, Start Num: 6

Candidate Starts for Nirvana_306:

(Start: 6 @172413 has 2 MA's), (Start: 7 @172395 has 1 MA's), (8, 172383), (12, 172335), (17, 172218), (26, 172098), (28, 172068),

Gene: Quantum_281 Start: 159331, Stop: 158954, Start Num: 5

Candidate Starts for Quantum_281:

(2, 159415), (Start: 5 @159331 has 7 MA's), (9, 159280), (11, 159259), (13, 159244), (15, 159160), (23, 159064), (24, 159058), (27, 158995), (28, 158974),

Gene: Sarkar_281 Start: 159382, Stop: 159005, Start Num: 5

Candidate Starts for Sarkar_281:

(2, 159466), (Start: 5 @159382 has 7 MA's), (9, 159331), (11, 159310), (13, 159295), (15, 159211), (23, 159115), (24, 159109), (27, 159046), (28, 159025),

Gene: Satis_283 Start: 159674, Stop: 159297, Start Num: 5

Candidate Starts for Satis_283:

(2, 159758), (Start: 5 @159674 has 7 MA's), (9, 159623), (11, 159602), (13, 159587), (15, 159503), (23, 159407), (24, 159401), (27, 159338), (28, 159317),