



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 310064 Report

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

Pham number 310064 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Dardanus_40
- Track 2 : Trax_50, Neville_51
- Track 3 : Rabbitrun_52
- Track 4 : LilJank_50
- Track 5 : Baudelaire_53, Aegeus_53

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- LilJank_50, Neville_51, Rabbitrun_52, Trax_50,

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

-

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

- Aegeus_53, Baudelaire_53, Dardanus_40,

Summary by start number:

Start 5:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilJank_50 (DU2), Neville_51 (DU2), Rabbitrun_52 (DU2), Trax_50 (DU2),

Start 6:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dardanus_40 (CU3),

Start 8:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aegeus_53 (L5), Baudelaire_53 (L5),

Summary by clusters:

There are 3 clusters represented in this pham: DU2, L5, CU3,

Info for manual annotations of cluster CU3:

- Start number 6 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster DU2:

- Start number 5 was manually annotated 4 times for cluster DU2.

Info for manual annotations of cluster L5:

- Start number 8 was manually annotated 2 times for cluster L5.

Gene Information:

Gene: Aegeus_53 Start: 38488, Stop: 38778, Start Num: 8

Candidate Starts for Aegeus_53:

(7, 38482), (Start: 8 @38488 has 2 MA's), (10, 38539), (11, 38545), (13, 38572), (19, 38689),

Gene: Baudelaire_53 Start: 38488, Stop: 38778, Start Num: 8

Candidate Starts for Baudelaire_53:

(7, 38482), (Start: 8 @38488 has 2 MA's), (10, 38539), (11, 38545), (13, 38572), (19, 38689),

Gene: Dardanus_40 Start: 28011, Stop: 28355, Start Num: 6

Candidate Starts for Dardanus_40:

(2, 27765), (Start: 6 @28011 has 1 MA's), (11, 28080), (12, 28086), (16, 28206), (21, 28287),

Gene: LilJank_50 Start: 36822, Stop: 37109, Start Num: 5

Candidate Starts for LilJank_50:

(1, 36483), (3, 36648), (4, 36795), (Start: 5 @36822 has 4 MA's), (9, 36882), (11, 36891), (12, 36897), (14, 36924), (15, 36984), (17, 37008), (18, 37032), (19, 37035), (20, 37068), (22, 37098),

Gene: Neville_51 Start: 36484, Stop: 36771, Start Num: 5

Candidate Starts for Neville_51:

(4, 36457), (Start: 5 @36484 has 4 MA's), (9, 36544), (11, 36553), (12, 36559), (14, 36586), (15, 36646), (17, 36670), (18, 36694), (19, 36697), (20, 36730), (22, 36760),

Gene: Rabbitrun_52 Start: 37010, Stop: 37297, Start Num: 5

Candidate Starts for Rabbitrun_52:

(Start: 5 @37010 has 4 MA's), (9, 37070), (11, 37079), (12, 37085), (14, 37112), (15, 37172), (17, 37196), (19, 37223), (20, 37256), (22, 37286),

Gene: Trax_50 Start: 36769, Stop: 37056, Start Num: 5

Candidate Starts for Trax_50:

(4, 36742), (Start: 5 @36769 has 4 MA's), (9, 36829), (11, 36838), (12, 36844), (14, 36871), (15, 36931), (17, 36955), (18, 36979), (19, 36982), (20, 37015), (22, 37045),