



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 309925 Report

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

Pham number 309925 has 8 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Damascus_72, DizzyRudy_76
- Track 2 : Camille_67
- Track 3 : Mema_66
- Track 4 : Jazzy4900_75, Sunny4976_74
- Track 5 : Arzan_77
- Track 6 : GermyBearimy_86

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Camille_67, Damascus_72, DizzyRudy_76, Mema_66,

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

-

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

- Arzan_77, GermyBearimy_86, Jazzy4900_75, Sunny4976_74,

Summary by start number:

Start 2:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Camille_67 (EL), Damascus_72 (EL), DizzyRudy_76 (EL), Mema_66 (EL),

Start 3:

- Found in 3 of 8 (37.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Arzan_77 (FI), Jazzy4900_75 (FI), Sunny4976_74 (FI),

Start 4:

- Found in 4 of 8 (50.0%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: GermyBearimy_86 (FI),

Summary by clusters:

There are 2 clusters represented in this pham: FI, EL,

Info for manual annotations of cluster EL:

- Start number 2 was manually annotated 3 times for cluster EL.

Gene Information:

Gene: Arzan_77 Start: 48894, Stop: 49160, Start Num: 3

Candidate Starts for Arzan_77:

(3, 48894), (4, 48897), (6, 48954), (8, 48987),

Gene: Camille_67 Start: 46346, Stop: 46576, Start Num: 2

Candidate Starts for Camille_67:

(1, 46277), (Start: 2 @46346 has 3 MA's), (10, 46451), (13, 46487), (14, 46559),

Gene: Damascus_72 Start: 49210, Stop: 49434, Start Num: 2

Candidate Starts for Damascus_72:

(Start: 2 @49210 has 3 MA's), (14, 49423),

Gene: DizzyRudy_76 Start: 48655, Stop: 48879, Start Num: 2

Candidate Starts for DizzyRudy_76:

(Start: 2 @48655 has 3 MA's), (14, 48868),

Gene: GermyBearimy_86 Start: 50532, Stop: 50771, Start Num: 4

Candidate Starts for GermyBearimy_86:

(4, 50532), (5, 50571), (6, 50589), (8, 50622), (11, 50652),

Gene: Jazzy4900_75 Start: 49729, Stop: 49986, Start Num: 3

Candidate Starts for Jazzy4900_75:

(3, 49729), (4, 49732), (9, 49828), (12, 49855), (15, 49966),

Gene: Mema_66 Start: 49662, Stop: 49913, Start Num: 2

Candidate Starts for Mema_66:

(Start: 2 @49662 has 3 MA's), (7, 49743), (13, 49803), (14, 49875),

Gene: Sunny4976_74 Start: 49729, Stop: 49986, Start Num: 3

Candidate Starts for Sunny4976_74:

(3, 49729), (4, 49732), (9, 49828), (12, 49855), (15, 49966),