



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 291861 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291861 has 7 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Biscute_68, Kinny_71, BarbieDoll_72
- Track 2 : Lewando_71
- Track 3 : Renaldo_76
- Track 4 : Muglass_70
- Track 5 : Barbonzobean_74

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 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarbieDoll_72, Barbonzobean_74, Biscute_68, Kinny_71, Lewando_71, Renaldo_76,

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

- Muglass_70,

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

-

Summary by start number:

Start 1:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 85.7% of time when present
- Phage (with cluster) where this start called: BarbieDoll_72 (AU6), Barbonzobean_74 (AU6), Biscute_68 (AU6), Kinny_71 (AU6), Lewando_71 (AU6), Renaldo_76 (AU6),

Start 2:

- Found in 4 of 7 (57.1%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present

- Phage (with cluster) where this start called: Muglass_70 (AU6),

Summary by clusters:

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:

- Start number 1 was manually annotated 3 times for cluster AU6.

Gene Information:

Gene: BarbieDoll_72 Start: 44655, Stop: 44960, Start Num: 1

Candidate Starts for BarbieDoll_72:

(Start: 1 @44655 has 3 MA's), (2, 44685), (3, 44727), (5, 44853), (6, 44931),

Gene: Barbonzobean_74 Start: 44903, Stop: 45208, Start Num: 1

Candidate Starts for Barbonzobean_74:

(Start: 1 @44903 has 3 MA's), (3, 44975), (4, 45023),

Gene: Biscute_68 Start: 44307, Stop: 44612, Start Num: 1

Candidate Starts for Biscute_68:

(Start: 1 @44307 has 3 MA's), (2, 44337), (3, 44379), (5, 44505), (6, 44583),

Gene: Kinny_71 Start: 45135, Stop: 45440, Start Num: 1

Candidate Starts for Kinny_71:

(Start: 1 @45135 has 3 MA's), (2, 45165), (3, 45207), (5, 45333), (6, 45411),

Gene: Lewando_71 Start: 44727, Stop: 45032, Start Num: 1

Candidate Starts for Lewando_71:

(Start: 1 @44727 has 3 MA's), (3, 44799), (5, 44925), (6, 45003),

Gene: Muglass_70 Start: 44241, Stop: 44516, Start Num: 2

Candidate Starts for Muglass_70:

(Start: 1 @44211 has 3 MA's), (2, 44241), (3, 44283), (5, 44409), (6, 44487),

Gene: Renaldo_76 Start: 45093, Stop: 45398, Start Num: 1

Candidate Starts for Renaldo_76:

(Start: 1 @45093 has 3 MA's), (3, 45165), (5, 45291), (6, 45369),