



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 6981 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6981 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ariel_57, Porcelain_56, Squint_57, Superphikiman_58
- Track 2 : Lucky2013_58, MiaZeal_57, Courthouse_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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ariel_57, Porcelain_56, Squint_57, Superphikiman_58,

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

- Courthouse_57, Lucky2013_58, MiaZeal_57,

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

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Summary by start number:

Start 3:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 42.9% of time when present
- Phage (with cluster) where this start called: Courthouse_57 (J), Lucky2013_58 (J), MiaZeal_57 (J),

Start 4:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Ariel_57 (J), Porcelain_56 (J), Squint_57 (J), Superphikiman_58 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:

- Start number 3 was manually annotated 3 times for cluster J.
- Start number 4 was manually annotated 4 times for cluster J.

Gene Information:

Gene: Ariel_57 Start: 42581, Stop: 42486, Start Num: 4

Candidate Starts for Ariel_57:

(1, 42671), (2, 42653), (Start: 3 @42590 has 3 MA's), (Start: 4 @42581 has 4 MA's), (5, 42515), (6, 42503),

Gene: Courthouse_57 Start: 42994, Stop: 42890, Start Num: 3

Candidate Starts for Courthouse_57:

(1, 43075), (2, 43057), (Start: 3 @42994 has 3 MA's), (Start: 4 @42985 has 4 MA's), (5, 42919), (6, 42907),

Gene: Lucky2013_58 Start: 43130, Stop: 43026, Start Num: 3

Candidate Starts for Lucky2013_58:

(1, 43211), (2, 43193), (Start: 3 @43130 has 3 MA's), (Start: 4 @43121 has 4 MA's), (5, 43055), (6, 43043),

Gene: MiaZeal_57 Start: 42805, Stop: 42701, Start Num: 3

Candidate Starts for MiaZeal_57:

(1, 42886), (2, 42868), (Start: 3 @42805 has 3 MA's), (Start: 4 @42796 has 4 MA's), (5, 42730), (6, 42718),

Gene: Porcelain_56 Start: 42796, Stop: 42701, Start Num: 4

Candidate Starts for Porcelain_56:

(1, 42886), (2, 42868), (Start: 3 @42805 has 3 MA's), (Start: 4 @42796 has 4 MA's), (5, 42730), (6, 42718),

Gene: Squint_57 Start: 42915, Stop: 42820, Start Num: 4

Candidate Starts for Squint_57:

(1, 43005), (2, 42987), (Start: 3 @42924 has 3 MA's), (Start: 4 @42915 has 4 MA's), (5, 42849), (6, 42837),

Gene: Superphikiman_58 Start: 42987, Stop: 42892, Start Num: 4

Candidate Starts for Superphikiman_58:

(1, 43077), (2, 43059), (Start: 3 @42996 has 3 MA's), (Start: 4 @42987 has 4 MA's), (5, 42921), (6, 42909),