



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 164041 Report

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

Pham number 164041 has 13 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Cuco_79, Midas2_77, Dublin_80, Theia_80, Swirley_80, MarysWell_80, Coog_77
- Track 2 : Benedict_81, Chadwick_83, Naca_81, PetterN_86, UnionJack_82, Scorpia_80

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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Benedict_81, Chadwick_83, Coog_77, Cuco_79, Dublin_80, MarysWell_80, Midas2_77, Naca_81, PetterN_86, Scorpia_80, Swirley_80, Theia_80, UnionJack_82,

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

-

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

-

Summary by start number:

Start 1:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Benedict_81 (A5), Chadwick_83 (A5), Coog_77 (A5), Cuco_79 (A5), Dublin_80 (A5), MarysWell_80 (A5), Midas2_77 (A5), Naca_81 (A5), PetterN_86 (A5), Scorpia_80 (A5), Swirley_80 (A5), Theia_80 (A5), UnionJack_82 (A5),

Summary by clusters:

There is one cluster represented in this pham: A5

Info for manual annotations of cluster A5:

•Start number 1 was manually annotated 13 times for cluster A5.

Gene Information:

Gene: Benedict_81 Start: 46318, Stop: 46169, Start Num: 1

Candidate Starts for Benedict_81:

(Start: 1 @46318 has 13 MA's), (4, 46267), (7, 46183),

Gene: Chadwick_83 Start: 46383, Stop: 46234, Start Num: 1

Candidate Starts for Chadwick_83:

(Start: 1 @46383 has 13 MA's), (4, 46332), (7, 46248),

Gene: Coog_77 Start: 46766, Stop: 46626, Start Num: 1

Candidate Starts for Coog_77:

(Start: 1 @46766 has 13 MA's), (2, 46757), (3, 46742), (4, 46721), (5, 46718), (6, 46646),

Gene: Cuco_79 Start: 46626, Stop: 46486, Start Num: 1

Candidate Starts for Cuco_79:

(Start: 1 @46626 has 13 MA's), (2, 46617), (3, 46602), (4, 46581), (5, 46578), (6, 46506),

Gene: Dublin_80 Start: 46898, Stop: 46758, Start Num: 1

Candidate Starts for Dublin_80:

(Start: 1 @46898 has 13 MA's), (2, 46889), (3, 46874), (4, 46853), (5, 46850), (6, 46778),

Gene: MarysWell_80 Start: 47141, Stop: 47001, Start Num: 1

Candidate Starts for MarysWell_80:

(Start: 1 @47141 has 13 MA's), (2, 47132), (3, 47117), (4, 47096), (5, 47093), (6, 47021),

Gene: Midas2_77 Start: 46766, Stop: 46626, Start Num: 1

Candidate Starts for Midas2_77:

(Start: 1 @46766 has 13 MA's), (2, 46757), (3, 46742), (4, 46721), (5, 46718), (6, 46646),

Gene: Naca_81 Start: 47061, Stop: 46912, Start Num: 1

Candidate Starts for Naca_81:

(Start: 1 @47061 has 13 MA's), (4, 47010), (7, 46926),

Gene: PetterN_86 Start: 46848, Stop: 46699, Start Num: 1

Candidate Starts for PetterN_86:

(Start: 1 @46848 has 13 MA's), (4, 46797), (7, 46713),

Gene: Scorpia_80 Start: 46419, Stop: 46270, Start Num: 1

Candidate Starts for Scorpia_80:

(Start: 1 @46419 has 13 MA's), (4, 46368), (7, 46284),

Gene: Swirley_80 Start: 46798, Stop: 46658, Start Num: 1

Candidate Starts for Swirley_80:

(Start: 1 @46798 has 13 MA's), (2, 46789), (3, 46774), (4, 46753), (5, 46750), (6, 46678),

Gene: Theia_80 Start: 47129, Stop: 46989, Start Num: 1

Candidate Starts for Theia_80:

(Start: 1 @47129 has 13 MA's), (2, 47120), (3, 47105), (4, 47084), (5, 47081), (6, 47009),

Gene: UnionJack_82 Start: 46252, Stop: 46103, Start Num: 1

Candidate Starts for UnionJack_82:

(Start: 1 @46252 has 13 MA's), (4, 46201), (7, 46117),