Pham 6947

1: Kumquat_49 + 2

2: Fabian_47 + 5

3: Rideau_53

4: Dennebes_52

5: Stella_53

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 6947 Report

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

Pham number 6947 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Kumquat_49, WRightOn_52, Zeigle_49
• Track 2 : Fabian_47, Gremlin23_50, Vorvolakos_50, FlowerPower_50, RetrieverFever_50, Geostin_45
• Track 3 : Rideau_53
• Track 4 : Dennebes_52
• Track 5 : Stella_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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dennebes_52, Fabian_47, FlowerPower_50, Geostin_45, Gremlin23_50, Kumquat_49, RetrieverFever_50, Stella_53, Vorvolakos_50, WRightOn_52, Zeigle_49,

Genes that have the "Most Annotated" start but do not call it:
• Rideau_53,

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

Summary by start number:

Start 3:
• Found in 2 of 12 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Rideau_53 (BF),

Start 5:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10

• Called 91.7% of time when present
• Phage (with cluster) where this start called: Dennebes_52 (BF), Fabian_47 (BF), FlowerPower_50 (BF), Geostin_45 (BF), Gremlin23_50 (BF), Kumquat_49 (BF), RetrieverFever_50 (BF), Stella_53 (BF), Vorvolakos_50 (BF), WRightOn_52 (BF), Zeigle_49 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:
•Start number 5 was manually annotated 10 times for cluster BF.

Gene Information:

Gene: Dennebes_52 Start: 28186, Stop: 28001, Start Num: 5
Candidate Starts for Dennebes_52:
(1, 28300), (2, 28291), (3, 28195), (Start: 5 @28186 has 10 MA's), (6, 28087),

Gene: Fabian_47 Start: 27974, Stop: 27789, Start Num: 5
Candidate Starts for Fabian_47:
(Start: 5 @27974 has 10 MA's), (8, 27809),

Gene: FlowerPower_50 Start: 27974, Stop: 27789, Start Num: 5
Candidate Starts for FlowerPower_50:
(Start: 5 @27974 has 10 MA's), (8, 27809),

Gene: Geostin_45 Start: 27974, Stop: 27789, Start Num: 5
Candidate Starts for Geostin_45:
(Start: 5 @27974 has 10 MA's), (8, 27809),

Gene: Gremlin23_50 Start: 27974, Stop: 27789, Start Num: 5
Candidate Starts for Gremlin23_50:
(Start: 5 @27974 has 10 MA's), (8, 27809),

Gene: Kumquat_49 Start: 28197, Stop: 28012, Start Num: 5
Candidate Starts for Kumquat_49:
(4, 28206), (Start: 5 @28197 has 10 MA's), (6, 28098),

Gene: RetrieverFever_50 Start: 27974, Stop: 27789, Start Num: 5
Candidate Starts for RetrieverFever_50:
(Start: 5 @27974 has 10 MA's), (8, 27809),

Gene: Rideau_53 Start: 28195, Stop: 28001, Start Num: 3
Candidate Starts for Rideau_53:
(1, 28300), (2, 28291), (3, 28195), (Start: 5 @28186 has 10 MA's), (6, 28087),

Gene: Stella_53 Start: 28878, Stop: 28714, Start Num: 5
Candidate Starts for Stella_53:
(Start: 5 @28878 has 10 MA's), (7, 28737),

Gene: Vorvolakos_50 Start: 27973, Stop: 27788, Start Num: 5
Candidate Starts for Vorvolakos_50:
(Start: 5 @27973 has 10 MA's), (8, 27808),

Gene: WRightOn_52 Start: 28353, Stop: 28168, Start Num: 5
Candidate Starts for WRightOn_52:
(4, 28362), (Start: 5 @28353 has 10 MA's), (6, 28254),

Gene: Zeigle_49 Start: 28197, Stop: 28012, Start Num: 5
Candidate Starts for Zeigle_49:
(4, 28206), (Start: 5 @28197 has 10 MA's), (6, 28098),