Pham 5251

1: Nordenberg_44 + 3

2: Vivi2_52 + 2

3: Thing3_47 + 1

4: BobBob_47 + 1

5: Love_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 5251 Report

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

Pham number 5251 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Nordenberg_44, McKinley_51, Galadriel_49, Paries_52
• Track 2 : Vivi2_52, Fosterous_47, Brandonk123_51
• Track 3 : Thing3_47, Kamashten_47
• Track 4 : BobBob_47, Kewpiedoll_49
• Track 5 : Love_53

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 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BobBob_47, Galadriel_49, Kamashten_47, Kewpiedoll_49, McKinley_51, Nordenberg_44, Paries_52, Thing3_47,

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

Genes that do not have the "Most Annotated" start:
• Brandonk123_51, Fosterous_47, Love_53, Vivi2_52,

Summary by start number:

Start 1:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Love_53 (DE1),

Start 2:
• Found in 8 of 12 (66.7%) of genes in pham
• Manual Annotations of this start: 6 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BobBob_47 (DE1), Galadriel_49 (DE1), Kamashten_47 (DE1), Kewpiedoll_49 (DE1), McKinley_51 (DE1), Nordenberg_44 (DE1), Paries_52 (DE1), Thing3_47 (DE1),

Start 3:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Brandonk123_51 (DE1), Fosterous_47 (DE1), Vivi2_52 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:
•Start number 1 was manually annotated 1 time for cluster DE1.
•Start number 2 was manually annotated 6 times for cluster DE1.
•Start number 3 was manually annotated 3 times for cluster DE1.

Gene Information:
Gene: BobBob_47 Start: 41783, Stop: 41980, Start Num: 2
Candidate Starts for BobBob_47:
(Start: 2 @41783 has 6 MA's), (Start: 3 @41807 has 3 MA's),

Gene: Brandonk123_51 Start: 42942, Stop: 43112, Start Num: 3
Candidate Starts for Brandonk123_51:
(Start: 3 @42942 has 3 MA's),

Gene: Fosterous_47 Start: 41909, Stop: 42085, Start Num: 3
Candidate Starts for Fosterous_47:
(Start: 3 @41909 has 3 MA's),

Gene: Galadriel_49 Start: 42686, Stop: 42877, Start Num: 2
Candidate Starts for Galadriel_49:
(Start: 2 @42686 has 6 MA's), (Start: 3 @42710 has 3 MA's),

Gene: Kamashten_47 Start: 41666, Stop: 41857, Start Num: 2
Candidate Starts for Kamashten_47:
(Start: 2 @41666 has 6 MA's), (Start: 3 @41690 has 3 MA's),

Gene: Kewpiedoll_49 Start: 42605, Stop: 42796, Start Num: 2
Candidate Starts for Kewpiedoll_49:
(Start: 2 @42605 has 6 MA's), (Start: 3 @42629 has 3 MA's),

Gene: Love_53 Start: 43856, Stop: 44059, Start Num: 1
Candidate Starts for Love_53:
(Start: 1 @43856 has 1 MA's), (Start: 3 @43883 has 3 MA's),

Gene: McKinley_51 Start: 43263, Stop: 43454, Start Num: 2

Candidate Starts for McKinley_51:
(Start: 2 @43263 has 6 MA's), (Start: 3 @43287 has 3 MA's),

Gene: Nordenberg_44 Start: 42042, Stop: 42233, Start Num: 2
Candidate Starts for Nordenberg_44:
(Start: 2 @42042 has 6 MA's), (Start: 3 @42066 has 3 MA's),

Gene: Paries_52 Start: 43513, Stop: 43704, Start Num: 2
Candidate Starts for Paries_52:
(Start: 2 @43513 has 6 MA's), (Start: 3 @43537 has 3 MA's),

Gene: Thing3_47 Start: 41666, Stop: 41857, Start Num: 2
Candidate Starts for Thing3_47:
(Start: 2 @41666 has 6 MA's), (Start: 3 @41690 has 3 MA's),

Gene: Vivi2_52 Start: 43487, Stop: 43663, Start Num: 3
Candidate Starts for Vivi2_52:
(Start: 3 @43487 has 3 MA's),