Pham 6056

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 6056 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6056 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Ringer_86, Squee_86, Bxb1_80, Magnar_86, Fenn_92, Seanderson_86, Crispicous1_81, Naira_91
• Track 2 : Hermia_76
• Track 3 : TheloniousMonk_86

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bxb1_80, Crispicous1_81, Fenn_92, Magnar_86, Naira_91, Ringer_86, Seanderson_86, Squee_86, TheloniousMonk_86,

Genes that have the "Most Annotated" start but do not call it:
• Hermia_76,

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

Summary by start number:

Start 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Bxb1_80 (A1), Crispicous1_81 (A1), Fenn_92 (A1), Magnar_86 (A1), Naira_91 (A1), Ringer_86 (A1), Seanderson_86 (A1), Squee_86 (A1), TheloniousMonk_86 (A1),

Start 2:
• Found in 10 of 10 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 10.0% of time when present

• Phage (with cluster) where this start called: Hermia_76 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 9 times for cluster A1.

Gene Information:

Gene: Bxb1_80 Start: 47598, Stop: 47359, Start Num: 1
Candidate Starts for Bxb1_80:
(Start: 1 @47598 has 9 MA's), (2, 47589), (3, 47559), (4, 47436),

Gene: Crispicous1_81 Start: 47106, Stop: 46867, Start Num: 1
Candidate Starts for Crispicous1_81:
(Start: 1 @47106 has 9 MA's), (2, 47097), (3, 47067), (4, 46944),

Gene: Fenn_92 Start: 51170, Stop: 50931, Start Num: 1
Candidate Starts for Fenn_92:
(Start: 1 @51170 has 9 MA's), (2, 51161), (3, 51131), (4, 51008),

Gene: Hermia_76 Start: 47577, Stop: 47347, Start Num: 2
Candidate Starts for Hermia_76:
(Start: 1 @47586 has 9 MA's), (2, 47577), (3, 47547), (4, 47424),

Gene: Magnar_86 Start: 49563, Stop: 49324, Start Num: 1
Candidate Starts for Magnar_86:
(Start: 1 @49563 has 9 MA's), (2, 49554), (3, 49524), (4, 49401),

Gene: Naira_91 Start: 51302, Stop: 51063, Start Num: 1
Candidate Starts for Naira_91:
(Start: 1 @51302 has 9 MA's), (2, 51293), (3, 51263), (4, 51140),

Gene: Ringer_86 Start: 50324, Stop: 50085, Start Num: 1
Candidate Starts for Ringer_86:
(Start: 1 @50324 has 9 MA's), (2, 50315), (3, 50285), (4, 50162),

Gene: Seanderson_86 Start: 51539, Stop: 51300, Start Num: 1
Candidate Starts for Seanderson_86:
(Start: 1 @51539 has 9 MA's), (2, 51530), (3, 51500), (4, 51377),

Gene: Squee_86 Start: 49674, Stop: 49435, Start Num: 1
Candidate Starts for Squee_86:
(Start: 1 @49674 has 9 MA's), (2, 49665), (3, 49635), (4, 49512),

Gene: TheloniousMonk_86 Start: 50899, Stop: 50660, Start Num: 1
Candidate Starts for TheloniousMonk_86:
(Start: 1 @50899 has 9 MA's), (2, 50890), (3, 50860), (4, 50737),