Pham 87397

1: BilboSwaggins_105 + 10

2: AmericanBeauty_112

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 87397 Report

This analysis was run 03/30/24 on database version 556.

Pham number 87397 has 12 members, 11 are drafts.

Phages represented in each track:
• Track 1 : BilboSwaggins_105, Amao_106, Xandras_104, Daikon_106, BigBubba_105, StellaBean_103, Balomoji_106, Quallification_107, Teaspoon_102, Petra64142_110, Stank_108
• Track 2 : AmericanBeauty_112

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 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amao_106, Balomoji_106, BigBubba_105, BilboSwaggins_105, Daikon_106, Petra64142_110, Quallification_107, Stank_108, StellaBean_103, Teaspoon_102, Xandras_104,

Genes that have the "Most Annotated" start but do not call it:
• AmericanBeauty_112,

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

Summary by start number:

Start 2:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Amao_106 (E), Balomoji_106 (E), BigBubba_105 (E), BilboSwaggins_105 (E), Daikon_106 (E), Petra64142_110 (E), Quallification_107 (E), Stank_108 (E), StellaBean_103 (E), Teaspoon_102 (E), Xandras_104 (E),

Start 3:
• Found in 12 of 12 (100.0%) of genes in pham

- No Manual Annotations of this start.
- Called 8.3% of time when present
- Phage (with cluster) where this start called: AmericanBeauty_112 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 2 was manually annotated 1 time for cluster E.

Gene Information:

Gene: Amao_106 Start: 62363, Stop: 62521, Start Num: 2
Candidate Starts for Amao_106:
(1, 62234), (Start: 2 @62363 has 1 MA's), (3, 62387), (4, 62447), (5, 62495),

Gene: AmericanBeauty_112 Start: 62276, Stop: 62413, Start Num: 3
Candidate Starts for AmericanBeauty_112:
(1, 62123), (Start: 2 @62252 has 1 MA's), (3, 62276), (4, 62336), (5, 62384),

Gene: Balomoji_106 Start: 62330, Stop: 62491, Start Num: 2
Candidate Starts for Balomoji_106:
(1, 62201), (Start: 2 @62330 has 1 MA's), (3, 62354), (4, 62414), (5, 62462),

Gene: BigBubba_105 Start: 61243, Stop: 61404, Start Num: 2
Candidate Starts for BigBubba_105:
(1, 61114), (Start: 2 @61243 has 1 MA's), (3, 61267), (4, 61327), (5, 61375),

Gene: BilboSwaggins_105 Start: 62827, Stop: 62988, Start Num: 2
Candidate Starts for BilboSwaggins_105:
(1, 62698), (Start: 2 @62827 has 1 MA's), (3, 62851), (4, 62911), (5, 62959),

Gene: Daikon_106 Start: 61746, Stop: 61907, Start Num: 2
Candidate Starts for Daikon_106:
(1, 61617), (Start: 2 @61746 has 1 MA's), (3, 61770), (4, 61830), (5, 61878),

Gene: Petra64142_110 Start: 63116, Stop: 63277, Start Num: 2
Candidate Starts for Petra64142_110:
(1, 62987), (Start: 2 @63116 has 1 MA's), (3, 63140), (4, 63200), (5, 63248),

Gene: Quallification_107 Start: 63062, Stop: 63223, Start Num: 2
Candidate Starts for Quallification_107:
(1, 62933), (Start: 2 @63062 has 1 MA's), (3, 63086), (4, 63146), (5, 63194),

Gene: Stank_108 Start: 62347, Stop: 62508, Start Num: 2
Candidate Starts for Stank_108:
(1, 62218), (Start: 2 @62347 has 1 MA's), (3, 62371), (4, 62431), (5, 62479),

Gene: StellaBean_103 Start: 62730, Stop: 62891, Start Num: 2
Candidate Starts for StellaBean_103:

(1, 62601), (Start: 2 @62730 has 1 MA's), (3, 62754), (4, 62814), (5, 62862),

Gene: Teaspoon_102 Start: 62332, Stop: 62493, Start Num: 2
Candidate Starts for Teaspoon_102:
(1, 62203), (Start: 2 @62332 has 1 MA's), (3, 62356), (4, 62416), (5, 62464),

Gene: Xandras_104 Start: 61600, Stop: 61761, Start Num: 2
Candidate Starts for Xandras_104:
(1, 61471), (Start: 2 @61600 has 1 MA's), (3, 61624), (4, 61684), (5, 61732),