Pham 87751

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 87751 Report

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

Pham number 87751 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Bachita_165
• Track 2 : Culver_162
• Track 3 : PhinkBoden_160, Norvs_160, Cucurbita_161, Toniann_162, ClubL_163
• Track 4 : WilliamBoone_165

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bachita_165, ClubL_163, Cucurbita_161, Culver_162, Norvs_160, PhinkBoden_160, Toniann_162, WilliamBoone_165,

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 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bachita_165 (CQ1), ClubL_163 (CQ1), Cucurbita_161 (CQ1), Culver_162 (CQ1), Norvs_160 (CQ), PhinkBoden_160 (CQ1), Toniann_162 (CQ1), WilliamBoone_165 (CQ1),

Summary by clusters:

There are 2 clusters represented in this pham: CQ1, CQ,

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

Info for manual annotations of cluster CQ1:
•Start number 1 was manually annotated 7 times for cluster CQ1.

Gene Information:

Gene: Bachita_165 Start: 85535, Stop: 85149, Start Num: 1
Candidate Starts for Bachita_165:
(Start: 1 @85535 has 8 MA's), (3, 85328), (5, 85298), (6, 85274), (8, 85211), (11, 85160),

Gene: ClubL_163 Start: 84778, Stop: 84398, Start Num: 1
Candidate Starts for ClubL_163:
(Start: 1 @84778 has 8 MA's), (2, 84691), (4, 84556), (5, 84541), (6, 84517), (7, 84472),

Gene: Cucurbita_161 Start: 85839, Stop: 85459, Start Num: 1
Candidate Starts for Cucurbita_161:
(Start: 1 @85839 has 8 MA's), (2, 85752), (4, 85617), (5, 85602), (6, 85578), (7, 85533),

Gene: Culver_162 Start: 84008, Stop: 83625, Start Num: 1
Candidate Starts for Culver_162:
(Start: 1 @84008 has 8 MA's), (2, 83921), (5, 83771), (6, 83747), (9, 83654), (10, 83636),

Gene: Norvs_160 Start: 84558, Stop: 84178, Start Num: 1
Candidate Starts for Norvs_160:
(Start: 1 @84558 has 8 MA's), (2, 84471), (4, 84336), (5, 84321), (6, 84297), (7, 84252),

Gene: PhinkBoden_160 Start: 84956, Stop: 84576, Start Num: 1
Candidate Starts for PhinkBoden_160:
(Start: 1 @84956 has 8 MA's), (2, 84869), (4, 84734), (5, 84719), (6, 84695), (7, 84650),

Gene: Toniann_162 Start: 84699, Stop: 84319, Start Num: 1
Candidate Starts for Toniann_162:
(Start: 1 @84699 has 8 MA's), (2, 84612), (4, 84477), (5, 84462), (6, 84438), (7, 84393),

Gene: WilliamBoone_165 Start: 83363, Stop: 82980, Start Num: 1
Candidate Starts for WilliamBoone_165:
(Start: 1 @83363 has 8 MA's), (2, 83276), (4, 83141), (5, 83126), (6, 83102), (9, 83009), (10, 82991),