Pham 164199

3
6
10
11
14
1: Judy_56
3
6
9
11
14
2: Pucara_50 + 1
2
6
9
11
14
3: Bridgette_55
6
10
11
14
4: GlobiWarming_55
1
3
6
10
11
5: Peas_52
4
5
8
11
12
13
14
15
6: Triscuit_18

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 164199 Report

This analysis was run 05/04/24 on database version 560.

Pham number 164199 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Judy_56
• Track 2 : Pucara_50, PeggyLeg03_53
• Track 3 : Bridgette_55
• Track 4 : GlobiWarming_55
• Track 5 : Peas_52
• Track 6 : Triscuit_18

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 6, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bridgette_55, GlobiWarming_55, Judy_56, Peas_52, PeggyLeg03_53, Pucara_50,

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

Genes that do not have the "Most Annotated" start:
• Triscuit_18,

Summary by start number:

Start 4:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Triscuit_18 (GG),

Start 6:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bridgette_55 (FA), GlobiWarming_55 (FA), Judy_56 (FA), Peas_52 (FA), PeggyLeg03_53 (FA), Pucara_50 (FA),

Summary by clusters:

There are 2 clusters represented in this pham: GG, FA,

Info for manual annotations of cluster FA:
•Start number 6 was manually annotated 5 times for cluster FA.

Info for manual annotations of cluster GG:
•Start number 4 was manually annotated 1 time for cluster GG.

Gene Information:

Gene: Bridgette_55 Start: 35119, Stop: 35481, Start Num: 6
Candidate Starts for Bridgette_55:
(2, 34768), (Start: 6 @35119 has 5 MA's), (9, 35212), (11, 35362), (14, 35410),

Gene: GlobiWarming_55 Start: 34470, Stop: 34832, Start Num: 6
Candidate Starts for GlobiWarming_55:
(Start: 6 @34470 has 5 MA's), (10, 34599), (11, 34713), (14, 34761),

Gene: Judy_56 Start: 35537, Stop: 35899, Start Num: 6
Candidate Starts for Judy_56:
(3, 35288), (Start: 6 @35537 has 5 MA's), (10, 35666), (11, 35780), (14, 35828),

Gene: Peas_52 Start: 36027, Stop: 36389, Start Num: 6
Candidate Starts for Peas_52:
(1, 35499), (3, 35778), (Start: 6 @36027 has 5 MA's), (10, 36156), (11, 36270),

Gene: PeggyLeg03_53 Start: 34767, Stop: 35129, Start Num: 6
Candidate Starts for PeggyLeg03_53:
(3, 34518), (Start: 6 @34767 has 5 MA's), (9, 34860), (11, 35010), (14, 35058),

Gene: Pucara_50 Start: 34372, Stop: 34734, Start Num: 6
Candidate Starts for Pucara_50:
(3, 34123), (Start: 6 @34372 has 5 MA's), (9, 34465), (11, 34615), (14, 34663),

Gene: Triscuit_18 Start: 6641, Stop: 7012, Start Num: 4
Candidate Starts for Triscuit_18:
(Start: 4 @6641 has 1 MA's), (5, 6674), (7, 6749), (8, 6752), (11, 6899), (12, 6911), (13, 6932), (14, 6944), (15, 6953),