Pham 100132

1: GuyRagieri_64

2: Maselop_65 + 2

3: Apiary_65 + 1

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 100132 Report

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

Pham number 100132 has 6 members, 1 are drafts.

Phages represented in each track:
- Track 1 : GuyFagieri_64
- Track 2 : Maselop_65, Braxoaddie_65, CoffeeBean_66
- Track 3 : Apiary_65, Polyyuki_65

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

The start number called the most often in the published annotations is 3, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Braxoaddie_65, CoffeeBean_66, GuyFagieri_64, Maselop_65,

Genes that have the "Most Annotated" start but do not call it:
- Apiary_65, Polyyuki_65,

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

Summary by start number:

Start 3:
- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Braxoaddie_65 (CR), CoffeeBean_66 (CR), GuyFagieri_64 (CR), Maselop_65 (CR),

Start 4:
- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Apiary_65 (CR), Polyyuki_65 (CR),

Summary by clusters:

There is one cluster represented in this pham: CR

Info for manual annotations of cluster CR:
•Start number 3 was manually annotated 3 times for cluster CR.
•Start number 4 was manually annotated 2 times for cluster CR.

Gene Information:

Gene: Apiary_65 Start: 48678, Stop: 48448, Start Num: 4
Candidate Starts for Apiary_65:
(1, 49035), (2, 49029), (Start: 3 @48681 has 3 MA's), (Start: 4 @48678 has 2 MA's), (5, 48657), (7, 48606), (8, 48603), (11, 48558), (12, 48552), (13, 48492),

Gene: Braxoaddie_65 Start: 48670, Stop: 48437, Start Num: 3
Candidate Starts for Braxoaddie_65:
(1, 49024), (2, 49018), (Start: 3 @48670 has 3 MA's), (Start: 4 @48667 has 2 MA's), (5, 48646), (7, 48595), (8, 48592), (11, 48547), (12, 48541), (13, 48481),

Gene: CoffeeBean_66 Start: 48628, Stop: 48395, Start Num: 3
Candidate Starts for CoffeeBean_66:
(1, 48982), (2, 48976), (Start: 3 @48628 has 3 MA's), (Start: 4 @48625 has 2 MA's), (5, 48604), (7, 48553), (8, 48550), (11, 48505), (12, 48499), (13, 48439),

Gene: GuyFagieri_64 Start: 48707, Stop: 48474, Start Num: 3
Candidate Starts for GuyFagieri_64:
(1, 49061), (2, 49055), (Start: 3 @48707 has 3 MA's), (Start: 4 @48704 has 2 MA's), (6, 48650), (7, 48632), (8, 48629), (9, 48605), (10, 48599), (12, 48578), (13, 48518),

Gene: Maselop_65 Start: 48704, Stop: 48471, Start Num: 3
Candidate Starts for Maselop_65:
(1, 49058), (2, 49052), (Start: 3 @48704 has 3 MA's), (Start: 4 @48701 has 2 MA's), (5, 48680), (7, 48629), (8, 48626), (11, 48581), (12, 48575), (13, 48515),

Gene: Polyyuki_65 Start: 48690, Stop: 48460, Start Num: 4
Candidate Starts for Polyyuki_65:
(1, 49047), (2, 49041), (Start: 3 @48693 has 3 MA's), (Start: 4 @48690 has 2 MA's), (5, 48669), (7, 48618), (8, 48615), (11, 48570), (12, 48564), (13, 48504),