Pham 87374

7
9
1: Pollywog_55 + 3
3
4
6
8
10
11
2: GenevaB15_114
3
4
6
8
11
3: Rey_114 + 2
1
2
5
6
8
11
4: Estes_111
3
4
6
8
10
11
5: Aziz_110
3
4
6
7
8
10
11
6: Nanosmite_103

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 87374 Report

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

Pham number 87374 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Pollywog_55, SassyB_48, Dante_55, PopTart_48
• Track 2 : GenevaB15_114
• Track 3 : Rey_114, GardenSalsa_110, MrMagoo_110
• Track 4 : Estes_111
• Track 5 : Aziz_110
• Track 6 : Nanosmite_103

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 4 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• GardenSalsa_110, GenevaB15_114, MrMagoo_110, Rey_114,

Genes that have the "Most Annotated" start but do not call it:
• Aziz_110, Nanosmite_103,

Genes that do not have the "Most Annotated" start:
• Dante_55, Estes_111, Pollywog_55, PopTart_48, SassyB_48,

Summary by start number:

Start 3:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 66.7% of time when present
• Phage (with cluster) where this start called: GardenSalsa_110 (M2), GenevaB15_114 (M2), MrMagoo_110 (M2), Rey_114 (M2),

Start 4:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 33.3% of time when present

• Phage (with cluster) where this start called: Aziz_110 (M2), Nanosmite_103 (M3),

Start 6:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Estes_111 (M2),

Start 7:
• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Dante_55 (F1), Pollywog_55 (F1), PopTart_48 (F1), SassyB_48 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: F1, M3, M2,

Info for manual annotations of cluster F1:
•Start number 7 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster M2:
•Start number 3 was manually annotated 4 times for cluster M2.
•Start number 4 was manually annotated 1 time for cluster M2.
•Start number 6 was manually annotated 1 time for cluster M2.

Info for manual annotations of cluster M3:
•Start number 4 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Aziz_110 Start: 59488, Stop: 59625, Start Num: 4
Candidate Starts for Aziz_110:
(Start: 3 @59479 has 4 MA's), (Start: 4 @59488 has 2 MA's), (Start: 6 @59506 has 1 MA's), (8, 59551), (10, 59578), (11, 59605),

Gene: Dante_55 Start: 38118, Stop: 38255, Start Num: 7
Candidate Starts for Dante_55:
(Start: 7 @38118 has 4 MA's), (9, 38166),

Gene: Estes_111 Start: 59685, Stop: 59804, Start Num: 6
Candidate Starts for Estes_111:
(1, 59526), (2, 59559), (5, 59673), (Start: 6 @59685 has 1 MA's), (8, 59730), (11, 59784),

Gene: GardenSalsa_110 Start: 59570, Stop: 59716, Start Num: 3
Candidate Starts for GardenSalsa_110:
(Start: 3 @59570 has 4 MA's), (Start: 4 @59579 has 2 MA's), (Start: 6 @59597 has 1 MA's), (8, 59642), (11, 59696),

Gene: GenevaB15_114 Start: 59479, Stop: 59625, Start Num: 3

Candidate Starts for GenevaB15_114:
(Start: 3 @59479 has 4 MA's), (Start: 4 @59488 has 2 MA's), (Start: 6 @59506 has 1 MA's), (8, 59551), (10, 59578), (11, 59605),

Gene: MrMagoo_110 Start: 59571, Stop: 59717, Start Num: 3
Candidate Starts for MrMagoo_110:
(Start: 3 @59571 has 4 MA's), (Start: 4 @59580 has 2 MA's), (Start: 6 @59598 has 1 MA's), (8, 59643), (11, 59697),

Gene: Nanosmite_103 Start: 59177, Stop: 59317, Start Num: 4
Candidate Starts for Nanosmite_103:
(Start: 3 @59168 has 4 MA's), (Start: 4 @59177 has 2 MA's), (Start: 6 @59195 has 1 MA's), (Start: 7 @59201 has 4 MA's), (8, 59240), (10, 59267), (11, 59294),

Gene: Pollywog_55 Start: 38943, Stop: 39080, Start Num: 7
Candidate Starts for Pollywog_55:
(Start: 7 @38943 has 4 MA's), (9, 38991),

Gene: PopTart_48 Start: 36772, Stop: 36909, Start Num: 7
Candidate Starts for PopTart_48:
(Start: 7 @36772 has 4 MA's), (9, 36820),

Gene: Rey_114 Start: 59617, Stop: 59763, Start Num: 3
Candidate Starts for Rey_114:
(Start: 3 @59617 has 4 MA's), (Start: 4 @59626 has 2 MA's), (Start: 6 @59644 has 1 MA's), (8, 59689), (11, 59743),

Gene: SassyB_48 Start: 36772, Stop: 36909, Start Num: 7
Candidate Starts for SassyB_48:
(Start: 7 @36772 has 4 MA's), (9, 36820),