Pham 194654


3
5
8
10
1: Mao1_40
1
4
6
12
2: Birdsong_51 + 1
1
6
12
3: Malisha_50
1
4
6
12
4: Frickyeah_56
2
7
9
11
12
5: GMA1_33

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 194654 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194654 has 6 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Mao1_40
• Track 2 : Birdsong_51, Asapag_51
• Track 3 : Malisha_50
• Track 4 : Frickyeah_56
• Track 5 : GMA1_33

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

Genes that call this "Most Annotated" start:
• Asapag_51, Birdsong_51, Malisha_50,

Genes that have the "Most Annotated" start but do not call it:
• Frickyeah_56,

Genes that do not have the "Most Annotated" start:
• GMA1_33, Mao1_40,

Summary by start number:

Start 1:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Asapag_51 (DN1), Birdsong_51 (DN), Malisha_50 (DN),

Start 2:
• Found in 1 of 6 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA1_33 (singleton),

Start 3:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mao1_40 (AD),

Start 4:
• Found in 3 of 6 (50.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Frickyeah_56 (DN1),

Summary by clusters:

There are 4 clusters represented in this pham: DN, singleton, DN1, AD,

Info for manual annotations of cluster AD:
•Start number 3 was manually annotated 1 time for cluster AD.

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

Info for manual annotations of cluster DN1:
•Start number 1 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: Asapag_51 Start: 34894, Stop: 34595, Start Num: 1
Candidate Starts for Asapag_51:
(Start: 1 @34894 has 3 MA's), (4, 34813), (6, 34741), (12, 34657),

Gene: Birdsong_51 Start: 35115, Stop: 34816, Start Num: 1
Candidate Starts for Birdsong_51:
(Start: 1 @35115 has 3 MA's), (4, 35034), (6, 34962), (12, 34878),

Gene: Frickyeah_56 Start: 34288, Stop: 34070, Start Num: 4
Candidate Starts for Frickyeah_56:
(Start: 1 @34369 has 3 MA's), (4, 34288), (6, 34216), (12, 34132),

Gene: GMA1_33 Start: 25485, Stop: 25267, Start Num: 2
Candidate Starts for GMA1_33:
(2, 25485), (7, 25368), (9, 25356), (11, 25341), (12, 25323),

Gene: Malisha_50 Start: 34552, Stop: 34253, Start Num: 1
Candidate Starts for Malisha_50:
(Start: 1 @34552 has 3 MA's), (6, 34399), (12, 34315),

Gene: Mao1_40 Start: 38059, Stop: 37823, Start Num: 3
Candidate Starts for Mao1_40:
(Start: 3 @38059 has 1 MA's), (5, 37987), (8, 37936), (10, 37921),