Pham 172094

8
11
12
14
15
16
17
18
19
1: Faze9_61
1
2
3
4
6
7
13
14
15
16
17
18
19
2: MasterPo_63
9
10
12
14
15
16
17
18
19
3: Calamitous_63
9
10
12
14
15
16
17
18
19
4: Kaleb_63
1
2
4
6
7
10
12
14
15
16
17
18
19
20
5: Laurie_62
5
6
7
14
15
16
17
18
19
20
6: Holeinone_62

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 172094 Report

This analysis was run 07/10/24 on database version 566.

Pham number 172094 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Faze9_61
• Track 2 : MasterPo_63
• Track 3 : Calamitous_63
• Track 4 : Kaleb_63
• Track 5 : Laurie_62
• Track 6 : Holeinone_62

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

The start number called the most often in the published annotations is 14, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Calamitous_63, Holeinone_62, MasterPo_63,

Genes that have the "Most Annotated" start but do not call it:
• Faze9_61, Kaleb_63, Laurie_62,

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

Summary by start number:

Start 10:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Kaleb_63 (B2), Laurie_62 (B2),

Start 11:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Faze9_61 (B2),

Start 14:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Calamitous_63 (B2), Holeinone_62 (B2), MasterPo_63 (B2),

Summary by clusters:

There is one cluster represented in this pham: B2

Info for manual annotations of cluster B2:
•Start number 10 was manually annotated 1 time for cluster B2.
•Start number 11 was manually annotated 1 time for cluster B2.
•Start number 14 was manually annotated 3 times for cluster B2.

Gene Information:

Gene: Calamitous_63 Start: 54591, Stop: 54770, Start Num: 14
Candidate Starts for Calamitous_63:
(9, 54501), (Start: 10 @54558 has 1 MA's), (12, 54570), (Start: 14 @54591 has 3 MA's), (15, 54594), (16, 54609), (17, 54615), (18, 54618), (19, 54663),

Gene: Faze9_61 Start: 54687, Stop: 54899, Start Num: 11
Candidate Starts for Faze9_61:
(8, 54618), (Start: 11 @54687 has 1 MA's), (12, 54699), (Start: 14 @54720 has 3 MA's), (15, 54723), (16, 54738), (17, 54744), (18, 54747), (19, 54792),

Gene: Holeinone_62 Start: 54566, Stop: 54745, Start Num: 14
Candidate Starts for Holeinone_62:
(5, 54335), (6, 54389), (7, 54410), (Start: 14 @54566 has 3 MA's), (15, 54569), (16, 54584), (17, 54590), (18, 54593), (19, 54638), (20, 54677),

Gene: Kaleb_63 Start: 54680, Stop: 54892, Start Num: 10
Candidate Starts for Kaleb_63:
(9, 54623), (Start: 10 @54680 has 1 MA's), (12, 54692), (Start: 14 @54713 has 3 MA's), (15, 54716), (16, 54731), (17, 54737), (18, 54740), (19, 54785),

Gene: Laurie_62 Start: 54353, Stop: 54565, Start Num: 10
Candidate Starts for Laurie_62:
(1, 54095), (2, 54101), (4, 54134), (6, 54212), (7, 54233), (Start: 10 @54353 has 1 MA's), (12, 54365), (Start: 14 @54386 has 3 MA's), (15, 54389), (16, 54404), (17, 54410), (18, 54413), (19, 54458), (20, 54497),

Gene: MasterPo_63 Start: 54583, Stop: 54762, Start Num: 14
Candidate Starts for MasterPo_63:
(1, 54289), (2, 54295), (3, 54298), (4, 54328), (6, 54406), (7, 54427), (13, 54562), (Start: 14 @54583 has 3 MA's), (15, 54586), (16, 54601), (17, 54607), (18, 54610), (19, 54655),