Pham 5012

3
5
7
8
11
14
16
1: Liandry_25 + 3
5
8
15
19
2: MulchMansion_26 + 2
1
3
5
7
8
15
19
3: Warpy_29 + 3
3
5
7
10
12
17
18
4: Bmoc_24
3
5
7
8
15
19
5: Mildred21_26
2
4
6
9
13
16
6: TunaTartare_9

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 5012 Report

This analysis was run 04/22/24 on database version 561.

Pham number 5012 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Liandry_25, PinkiePie_25, Bartholomune_25, Squillium_25
• Track 2 : MulchMansion_26, Angela_26, LilMartin_26
• Track 3 : Warpy_29, Evy_26, Jay2Jay_29, Targaryen_26
• Track 4 : Bmoc_24
• Track 5 : Mildred21_26
• Track 6 : TunaTartare_9

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

The start number called the most often in the published annotations is 5, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Angela_26, Bartholomune_25, Bmoc_24, Evy_26, Jay2Jay_29, Liandry_25, LilMartin_26, Mildred21_26, MulchMansion_26, PinkiePie_25, Squillium_25, Targaryen_26, Warpy_29,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• TunaTartare_9,

Summary by start number:

Start 5:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 13 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Angela_26 (BE1), Bartholomune_25 (BE1), Bmoc_24 (BE1), Evy_26 (BE1), Jay2Jay_29 (BE1), Liandry_25 (BE1), LilMartin_26 (BE1), Mildred21_26 (BE1), MulchMansion_26 (BE1), PinkiePie_25 (BE1), Squillium_25 (BE1), Targaryen_26 (BE1), Warpy_29 (BE1),

Start 6:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TunaTartare_9 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BE1, BK1,

Info for manual annotations of cluster BE1:
•Start number 5 was manually annotated 13 times for cluster BE1.

Info for manual annotations of cluster BK1:
•Start number 6 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Angela_26 Start: 12464, Stop: 12291, Start Num: 5
Candidate Starts for Angela_26:
(Start: 5 @12464 has 13 MA's), (8, 12422), (15, 12374), (19, 12311),

Gene: Bartholomune_25 Start: 11952, Stop: 11773, Start Num: 5
Candidate Starts for Bartholomune_25:
(3, 11964), (Start: 5 @11952 has 13 MA's), (7, 11919), (8, 11910), (11, 11895), (14, 11865), (16, 11859),

Gene: Bmoc_24 Start: 12186, Stop: 12007, Start Num: 5
Candidate Starts for Bmoc_24:
(3, 12198), (Start: 5 @12186 has 13 MA's), (7, 12153), (10, 12132), (12, 12120), (17, 12081), (18, 12066),

Gene: Evy_26 Start: 12375, Stop: 12202, Start Num: 5
Candidate Starts for Evy_26:
(1, 12414), (3, 12387), (Start: 5 @12375 has 13 MA's), (7, 12342), (8, 12333), (15, 12285), (19, 12222),

Gene: Jay2Jay_29 Start: 12565, Stop: 12392, Start Num: 5
Candidate Starts for Jay2Jay_29:
(1, 12604), (3, 12577), (Start: 5 @12565 has 13 MA's), (7, 12532), (8, 12523), (15, 12475), (19, 12412),

Gene: Liandry_25 Start: 11951, Stop: 11772, Start Num: 5
Candidate Starts for Liandry_25:
(3, 11963), (Start: 5 @11951 has 13 MA's), (7, 11918), (8, 11909), (11, 11894), (14, 11864), (16, 11858),

Gene: LilMartin_26 Start: 12411, Stop: 12238, Start Num: 5
Candidate Starts for LilMartin_26:
(Start: 5 @12411 has 13 MA's), (8, 12369), (15, 12321), (19, 12258),

Gene: Mildred21_26 Start: 12112, Stop: 11939, Start Num: 5
Candidate Starts for Mildred21_26:
(3, 12124), (Start: 5 @12112 has 13 MA's), (7, 12079), (8, 12070), (15, 12022), (19, 11959),

Gene: MulchMansion_26 Start: 12412, Stop: 12239, Start Num: 5
Candidate Starts for MulchMansion_26:
(Start: 5 @12412 has 13 MA's), (8, 12370), (15, 12322), (19, 12259),

Gene: PinkiePie_25 Start: 11952, Stop: 11773, Start Num: 5
Candidate Starts for PinkiePie_25:
(3, 11964), (Start: 5 @11952 has 13 MA's), (7, 11919), (8, 11910), (11, 11895), (14, 11865), (16, 11859),

Gene: Squillium_25 Start: 11951, Stop: 11772, Start Num: 5
Candidate Starts for Squillium_25:
(3, 11963), (Start: 5 @11951 has 13 MA's), (7, 11918), (8, 11909), (11, 11894), (14, 11864), (16, 11858),

Gene: Targaryen_26 Start: 13122, Stop: 12949, Start Num: 5
Candidate Starts for Targaryen_26:
(1, 13161), (3, 13134), (Start: 5 @13122 has 13 MA's), (7, 13089), (8, 13080), (15, 13032), (19, 12969),

Gene: TunaTartare_9 Start: 3318, Stop: 3139, Start Num: 6
Candidate Starts for TunaTartare_9:
(2, 3336), (4, 3324), (Start: 6 @3318 has 1 MA's), (9, 3273), (13, 3234), (16, 3225),

Gene: Warpy_29 Start: 12585, Stop: 12412, Start Num: 5
Candidate Starts for Warpy_29:
(1, 12624), (3, 12597), (Start: 5 @12585 has 13 MA's), (7, 12552), (8, 12543), (15, 12495), (19, 12432),