Pham 9503

8
10
13
15
16
1: Trina_266
6
7
9
12
18
2: Racecar_322 + 7
1
2
3
4
5
7
16
3: DunneganBoMo_247
7
11
14
17
4: E3_gp180

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 9503 Report

This analysis was run 04/12/24 on database version 558.

Pham number 9503 has 11 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Trina_266
• Track 2 : Racecar_322, Mimi_36, Talia1610_320, Bloom_322, Racecar_33, Mimi_326, Talia1610_33, Bloom_35
• Track 3 : DunneganBoMo_247
• Track 4 : E3_gp180

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

The start number called the most often in the published annotations is 7, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_322, Bloom_35, DunneganBoMo_247, E3_gp180, Mimi_326, Mimi_36, Racecar_322, Racecar_33, Talia1610_320, Talia1610_33,

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:
• Trina_266,

Summary by start number:

Start 7:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_322 (FC), Bloom_35 (FC), DunneganBoMo_247 (FC), E3_gp180 (singleton), Mimi_326 (FC), Mimi_36 (FC), Racecar_322 (FC), Racecar_33 (FC), Talia1610_320 (FC), Talia1610_33 (FC),

Start 8:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 3

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Trina_266 (CE),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, FC, CE,

Info for manual annotations of cluster CE:
•Start number 8 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster FC:
•Start number 7 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Bloom_322 Start: 188306, Stop: 188521, Start Num: 7
Candidate Starts for Bloom_322:
(6, 188273), (Start: 7 @188306 has 2 MA's), (9, 188327), (12, 188363), (18, 188480),

Gene: Bloom_35 Start: 14831, Stop: 15046, Start Num: 7
Candidate Starts for Bloom_35:
(6, 14798), (Start: 7 @14831 has 2 MA's), (9, 14852), (12, 14888), (18, 15005),

Gene: DunneganBoMo_247 Start: 160182, Stop: 160400, Start Num: 7
Candidate Starts for DunneganBoMo_247:
(1, 159867), (2, 159897), (3, 160029), (4, 160038), (5, 160122), (Start: 7 @160182 has 2 MA's), (16, 160308),

Gene: E3_gp180 Start: 120848, Stop: 121060, Start Num: 7
Candidate Starts for E3_gp180:
(Start: 7 @120848 has 2 MA's), (11, 120899), (14, 120914), (17, 120995),

Gene: Mimi_36 Start: 14283, Stop: 14498, Start Num: 7
Candidate Starts for Mimi_36:
(6, 14250), (Start: 7 @14283 has 2 MA's), (9, 14304), (12, 14340), (18, 14457),

Gene: Mimi_326 Start: 186943, Stop: 187158, Start Num: 7
Candidate Starts for Mimi_326:
(6, 186910), (Start: 7 @186943 has 2 MA's), (9, 186964), (12, 187000), (18, 187117),

Gene: Racecar_322 Start: 188584, Stop: 188799, Start Num: 7
Candidate Starts for Racecar_322:
(6, 188551), (Start: 7 @188584 has 2 MA's), (9, 188605), (12, 188641), (18, 188758),

Gene: Racecar_33 Start: 14875, Stop: 15090, Start Num: 7
Candidate Starts for Racecar_33:
(6, 14842), (Start: 7 @14875 has 2 MA's), (9, 14896), (12, 14932), (18, 15049),

Gene: Talia1610_320 Start: 188769, Stop: 188984, Start Num: 7
Candidate Starts for Talia1610_320:
(6, 188736), (Start: 7 @188769 has 2 MA's), (9, 188790), (12, 188826), (18, 188943),

Gene: Talia1610_33 Start: 14297, Stop: 14512, Start Num: 7
Candidate Starts for Talia1610_33:
(6, 14264), (Start: 7 @14297 has 2 MA's), (9, 14318), (12, 14354), (18, 14471),

Gene: Trina_266 Start: 130720, Stop: 130917, Start Num: 8
Candidate Starts for Trina_266:
(Start: 8 @130720 has 1 MA's), (10, 130744), (13, 130771), (15, 130807), (16, 130834),