Pham 289998

5
6
7
12
13
19
1: ModicumRichard_6 + 2
5
6
7
10
12
13
19
2: Morgana_6
5
6
7
12
13
19
3: ObLaDi_6
7
9
11
17
20
21
4: VanLee_7
1
7
9
15
19
20
21
5: Collossa_7
7
8
14
16
18
19
22
23
6: BigAnti_11

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 289998 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289998 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : ModicumRichard_6, Cafasso_6, Aleemily_6
• Track 2 : Morgana_6
• Track 3 : ObLaDi_6
• Track 4 : VanLee_7
• Track 5 : Colossa_7
• Track 6 : BigAnti_11

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

The start number called the most often in the published annotations is 6, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aleemily_6, Cafasso_6, ModicumRichard_6,

Genes that have the "Most Annotated" start but do not call it:
• Morgana_6, ObLaDi_6,

Genes that do not have the "Most Annotated" start:
• BigAnti_11, Colossa_7, VanLee_7,

Summary by start number:

Start 5:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Morgana_6 (DZ), ObLaDi_6 (DZ),

Start 6:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 60.0% of time when present

• Phage (with cluster) where this start called: Aleemily_6 (DZ), Cafasso_6 (DZ), ModicumRichard_6 (DZ),

Start 7:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 37.5% of time when present
• Phage (with cluster) where this start called: BigAnti_11 (singleton), Colossa_7 (KA), VanLee_7 (KA),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, DZ, KA,

Info for manual annotations of cluster DZ:
•Start number 5 was manually annotated 2 times for cluster DZ.
•Start number 6 was manually annotated 3 times for cluster DZ.

Info for manual annotations of cluster KA:
•Start number 7 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: Aleemily_6 Start: 5120, Stop: 5893, Start Num: 6
Candidate Starts for Aleemily_6:
(Start: 5 @5117 has 2 MA's), (Start: 6 @5120 has 3 MA's), (Start: 7 @5144 has 1 MA's), (12, 5375), (13, 5420), (19, 5696),

Gene: BigAnti_11 Start: 9359, Stop: 10108, Start Num: 7
Candidate Starts for BigAnti_11:
(Start: 7 @9359 has 1 MA's), (8, 9404), (14, 9668), (16, 9836), (18, 9872), (19, 9905), (22, 10043), (23, 10061),

Gene: Cafasso_6 Start: 5120, Stop: 5893, Start Num: 6
Candidate Starts for Cafasso_6:
(Start: 5 @5117 has 2 MA's), (Start: 6 @5120 has 3 MA's), (Start: 7 @5144 has 1 MA's), (12, 5375), (13, 5420), (19, 5696),

Gene: Colossa_7 Start: 5126, Stop: 5866, Start Num: 7
Candidate Starts for Colossa_7:
(1, 5021), (2, 5063), (3, 5066), (4, 5069), (Start: 7 @5126 has 1 MA's), (9, 5189), (15, 5600), (19, 5675), (20, 5699), (21, 5759),

Gene: ModicumRichard_6 Start: 5120, Stop: 5893, Start Num: 6
Candidate Starts for ModicumRichard_6:
(Start: 5 @5117 has 2 MA's), (Start: 6 @5120 has 3 MA's), (Start: 7 @5144 has 1 MA's), (12, 5375), (13, 5420), (19, 5696),

Gene: Morgana_6 Start: 5122, Stop: 5898, Start Num: 5
Candidate Starts for Morgana_6:

(Start: 5 @5122 has 2 MA's), (Start: 6 @5125 has 3 MA's), (Start: 7 @5149 has 1 MA's), (10, 5326), (12, 5380), (13, 5425), (19, 5701),

Gene: ObLaDi_6 Start: 5117, Stop: 5893, Start Num: 5
Candidate Starts for ObLaDi_6:
(Start: 5 @5117 has 2 MA's), (Start: 6 @5120 has 3 MA's), (Start: 7 @5144 has 1 MA's), (12, 5375), (13, 5420), (19, 5696),

Gene: VanLee_7 Start: 5126, Stop: 5863, Start Num: 7
Candidate Starts for VanLee_7:
(Start: 7 @5126 has 1 MA's), (9, 5192), (11, 5321), (17, 5627), (20, 5696), (21, 5756),