



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 309717 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309717 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Dodo_376
- Track 2 : Big4_32, Big4_358
- Track 3 : Erasmago_367, Erasmago_29
- Track 4 : Zooman_29, Zooman_342
- Track 5 : Cece_333, Cece_31
- Track 6 : Pumpernickel_38, Pumpernickel_339

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Big4_32, Big4_358, Cece_31, Cece_333, Dodo_376, Erasmago_29, Erasmago_367, Pumpernickel_339, Pumpernickel_38, Zooman_29, Zooman_342,

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

-

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

-

Summary by start number:

Start 3:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Big4_32 (GD2), Big4_358 (GD2), Cece_31 (GD3), Cece_333 (GD3), Dodo_376 (GD1), Erasmago_29 (GD2), Erasmago_367 (GD2), Pumpernickel_339 (GD4), Pumpernickel_38 (GD4), Zooman_29 (GD2), Zooman_342 (GD2),

Summary by clusters:

There are 4 clusters represented in this pham: GD1, GD2, GD3, GD4,

Info for manual annotations of cluster GD1:

- Start number 3 was manually annotated 1 time for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 3 was manually annotated 4 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 3 was manually annotated 2 times for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 3 was manually annotated 2 times for cluster GD4.

Gene Information:

Gene: Big4_32 Start: 13020, Stop: 13196, Start Num: 3

Candidate Starts for Big4_32:

(Start: 3 @13020 has 9 MA's), (4, 13038), (6, 13071), (8, 13140), (9, 13164),

Gene: Big4_358 Start: 187714, Stop: 187890, Start Num: 3

Candidate Starts for Big4_358:

(Start: 3 @187714 has 9 MA's), (4, 187732), (6, 187765), (8, 187834), (9, 187858),

Gene: Cece_333 Start: 180614, Stop: 180805, Start Num: 3

Candidate Starts for Cece_333:

(Start: 3 @180614 has 9 MA's), (5, 180662), (6, 180665), (9, 180758), (11, 180776),

Gene: Cece_31 Start: 12180, Stop: 12371, Start Num: 3

Candidate Starts for Cece_31:

(Start: 3 @12180 has 9 MA's), (5, 12228), (6, 12231), (9, 12324), (11, 12342),

Gene: Dodo_376 Start: 188159, Stop: 188344, Start Num: 3

Candidate Starts for Dodo_376:

(1, 188066), (2, 188141), (Start: 3 @188159 has 9 MA's), (4, 188177), (6, 188210), (12, 188318),

Gene: Erasmago_367 Start: 185565, Stop: 185753, Start Num: 3

Candidate Starts for Erasmago_367:

(Start: 3 @185565 has 9 MA's), (4, 185583), (6, 185616), (10, 185718),

Gene: Erasmago_29 Start: 11056, Stop: 11244, Start Num: 3

Candidate Starts for Erasmago_29:

(Start: 3 @11056 has 9 MA's), (4, 11074), (6, 11107), (10, 11209),

Gene: Pumpernickel_38 Start: 14450, Stop: 14668, Start Num: 3

Candidate Starts for Pumpernickel_38:

(Start: 3 @14450 has 9 MA's), (7, 14519),

Gene: Pumpernickel_339 Start: 180582, Stop: 180800, Start Num: 3

Candidate Starts for Pumpernickel_339:

(Start: 3 @180582 has 9 MA's), (7, 180651),

Gene: Zooman_29 Start: 12457, Stop: 12633, Start Num: 3

Candidate Starts for Zooman_29:

(Start: 3 @12457 has 9 MA's), (4, 12475), (6, 12508), (8, 12577), (9, 12601),

Gene: Zooman_342 Start: 188108, Stop: 188284, Start Num: 3

Candidate Starts for Zooman_342:

(Start: 3 @188108 has 9 MA's), (4, 188126), (6, 188159), (8, 188228), (9, 188252),