



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 309779 Report

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

Pham number 309779 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : BritBrat_63
- Track 2 : ODay_75
- Track 3 : MortyNRick_66
- Track 4 : Phabuloso_72, BotCity_72, Ecliptus_72, BearBQ_67, LitninMcQueen_68
- Track 5 : CheeseTouch_71
- Track 6 : Spooky_65

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

The start number called the most often in the published annotations is 1, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BearBQ_67, BotCity_72, BritBrat_63, Ecliptus_72, LitninMcQueen_68, MortyNRick_66, ODay_75, Phabuloso_72, Spooky_65,

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

- CheeseTouch_71,

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

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Summary by start number:

Start 1:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 90.0% of time when present
- Phage (with cluster) where this start called: BearBQ_67 (DN), BotCity_72 (DN), BritBrat_63 (CY2), Ecliptus_72 (DN), LitninMcQueen_68 (DN1), MortyNRick_66 (DN), ODay_75 (DN), Phabuloso_72 (DN1), Spooky_65 (DN2),

Start 2:

- Found in 1 of 10 (10.0%) of genes in pham

- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CheeseTouch_71 (DN1),

Summary by clusters:

There are 4 clusters represented in this pham: DN, CY2, DN1, DN2,

Info for manual annotations of cluster CY2:

- Start number 1 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DN:

- Start number 1 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 1 was manually annotated 2 times for cluster DN1.
- Start number 2 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 1 was manually annotated 1 time for cluster DN2.

Gene Information:

Gene: BearBQ_67 Start: 43006, Stop: 43143, Start Num: 1

Candidate Starts for BearBQ_67:

(Start: 1 @43006 has 9 MA's), (4, 43039), (6, 43099),

Gene: BotCity_72 Start: 43242, Stop: 43379, Start Num: 1

Candidate Starts for BotCity_72:

(Start: 1 @43242 has 9 MA's), (4, 43275), (6, 43335),

Gene: BritBrat_63 Start: 42424, Stop: 42561, Start Num: 1

Candidate Starts for BritBrat_63:

(Start: 1 @42424 has 9 MA's), (5, 42511), (7, 42529),

Gene: CheeseTouch_71 Start: 38439, Stop: 38573, Start Num: 2

Candidate Starts for CheeseTouch_71:

(Start: 1 @38436 has 9 MA's), (Start: 2 @38439 has 1 MA's), (4, 38469), (6, 38529),

Gene: Ecliptus_72 Start: 43757, Stop: 43894, Start Num: 1

Candidate Starts for Ecliptus_72:

(Start: 1 @43757 has 9 MA's), (4, 43790), (6, 43850),

Gene: LitninMcQueen_68 Start: 41912, Stop: 42049, Start Num: 1

Candidate Starts for LitninMcQueen_68:

(Start: 1 @41912 has 9 MA's), (4, 41945), (6, 42005),

Gene: MortyNRick_66 Start: 43132, Stop: 43269, Start Num: 1

Candidate Starts for MortyNRick_66:

(Start: 1 @43132 has 9 MA's), (3, 43144), (5, 43219),

Gene: ODay_75 Start: 44198, Stop: 44335, Start Num: 1
Candidate Starts for ODay_75:
(Start: 1 @44198 has 9 MA's), (4, 44231), (6, 44291),

Gene: Phabuloso_72 Start: 42460, Stop: 42597, Start Num: 1
Candidate Starts for Phabuloso_72:
(Start: 1 @42460 has 9 MA's), (4, 42493), (6, 42553),

Gene: Spooky_65 Start: 41069, Stop: 41206, Start Num: 1
Candidate Starts for Spooky_65:
(Start: 1 @41069 has 9 MA's), (5, 41156), (7, 41174),