



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 88343 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88343 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : LitninMcQueen_39, Kamaru_40
- Track 2 : Phabuloso_44
- Track 3 : Phistory_47, Crater_44, Holliday_46
- Track 4 : Periwinkle_48

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Crater_44, Holliday_46, Kamaru_40, LitninMcQueen_39, Periwinkle_48, Phabuloso_44, Phistory_47,

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 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Crater_44 (DN3), Holliday_46 (DN1), Kamaru_40 (DN1), LitninMcQueen_39 (DN1), Periwinkle_48 (DN1), Phabuloso_44 (DN1), Phistory_47 (DN1),

Summary by clusters:

There are 2 clusters represented in this pham: DN1, DN3,

Info for manual annotations of cluster DN1:

- Start number 3 was manually annotated 5 times for cluster DN1.

Info for manual annotations of cluster DN3:

- Start number 3 was manually annotated 1 time for cluster DN3.

Gene Information:

Gene: Crater_44 Start: 30431, Stop: 30820, Start Num: 3

Candidate Starts for Crater_44:

(1, 30290), (2, 30323), (Start: 3 @30431 has 6 MA's), (4, 30461), (5, 30575), (8, 30710), (10, 30758), (11, 30761), (12, 30764), (13, 30770), (14, 30773), (15, 30776), (17, 30806),

Gene: Holliday_46 Start: 30958, Stop: 31347, Start Num: 3

Candidate Starts for Holliday_46:

(1, 30817), (2, 30850), (Start: 3 @30958 has 6 MA's), (4, 30988), (5, 31102), (8, 31237), (10, 31285), (11, 31288), (12, 31291), (13, 31297), (14, 31300), (15, 31303), (17, 31333),

Gene: Kamaru_40 Start: 29656, Stop: 30066, Start Num: 3

Candidate Starts for Kamaru_40:

(Start: 3 @29656 has 6 MA's), (5, 29800), (6, 29881), (7, 29908), (9, 29962), (11, 29980), (12, 29983), (15, 29995), (16, 29998), (17, 30025), (18, 30040),

Gene: LitninMcQueen_39 Start: 29405, Stop: 29815, Start Num: 3

Candidate Starts for LitninMcQueen_39:

(Start: 3 @29405 has 6 MA's), (5, 29549), (6, 29630), (7, 29657), (9, 29711), (11, 29729), (12, 29732), (15, 29744), (16, 29747), (17, 29774), (18, 29789),

Gene: Periwinkle_48 Start: 32369, Stop: 32770, Start Num: 3

Candidate Starts for Periwinkle_48:

(Start: 3 @32369 has 6 MA's), (5, 32513), (6, 32594), (7, 32621), (9, 32675), (11, 32693), (12, 32696), (15, 32708), (16, 32711), (17, 32738),

Gene: Phabuloso_44 Start: 31010, Stop: 31399, Start Num: 3

Candidate Starts for Phabuloso_44:

(1, 30869), (2, 30902), (Start: 3 @31010 has 6 MA's), (4, 31040), (5, 31154), (8, 31289), (10, 31337), (11, 31340), (12, 31343), (13, 31349), (14, 31352), (15, 31355), (17, 31385),

Gene: Phistory_47 Start: 31645, Stop: 32034, Start Num: 3

Candidate Starts for Phistory_47:

(1, 31504), (2, 31537), (Start: 3 @31645 has 6 MA's), (4, 31675), (5, 31789), (8, 31924), (10, 31972), (11, 31975), (12, 31978), (13, 31984), (14, 31987), (15, 31990), (17, 32020),