



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 293356 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293356 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : GirlPower_68
- Track 2 : Rima_76, Namu_77, IceWarrior_75
- Track 3 : Soshi_72, DrGrey_69, Espio_71, FrodoSwaggins_71, Popy_71
- Track 4 : HazuAndZazu_71
- Track 5 : Wigberry_77

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DrGrey_69, Espio_71, FrodoSwaggins_71, GirlPower_68, HazuAndZazu_71, IceWarrior_75, Namu_77, Popy_71, Rima_76, Soshi_72, Wigberry_77,

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 1:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DrGrey_69 (B11), Espio_71 (B11), FrodoSwaggins_71 (B11), GirlPower_68 (B11), HazuAndZazu_71 (B11), IceWarrior_75 (B11), Namu_77 (B11), Popy_71 (B11), Rima_76 (B11), Soshi_72 (B11), Wigberry_77 (B15),

Summary by clusters:

There are 2 clusters represented in this pham: BI5, BI1,

Info for manual annotations of cluster BI1:

•Start number 1 was manually annotated 10 times for cluster BI1.

Info for manual annotations of cluster BI5:

•Start number 1 was manually annotated 1 time for cluster BI5.

Gene Information:

Gene: DrGrey_69 Start: 46443, Stop: 46874, Start Num: 1

Candidate Starts for DrGrey_69:

(Start: 1 @46443 has 11 MA's), (2, 46470), (3, 46482), (4, 46533), (5, 46584), (6, 46614), (7, 46707), (8, 46743), (9, 46749), (11, 46773), (13, 46785),

Gene: Espio_71 Start: 46838, Stop: 47269, Start Num: 1

Candidate Starts for Espio_71:

(Start: 1 @46838 has 11 MA's), (2, 46865), (3, 46877), (4, 46928), (5, 46979), (6, 47009), (7, 47102), (8, 47138), (9, 47144), (11, 47168), (13, 47180),

Gene: FrodoSwaggins_71 Start: 46837, Stop: 47268, Start Num: 1

Candidate Starts for FrodoSwaggins_71:

(Start: 1 @46837 has 11 MA's), (2, 46864), (3, 46876), (4, 46927), (5, 46978), (6, 47008), (7, 47101), (8, 47137), (9, 47143), (11, 47167), (13, 47179),

Gene: GirlPower_68 Start: 46386, Stop: 46817, Start Num: 1

Candidate Starts for GirlPower_68:

(Start: 1 @46386 has 11 MA's), (3, 46425), (5, 46527), (8, 46686), (9, 46692), (10, 46704), (11, 46716), (13, 46728),

Gene: HazuAndZazu_71 Start: 46504, Stop: 46935, Start Num: 1

Candidate Starts for HazuAndZazu_71:

(Start: 1 @46504 has 11 MA's), (2, 46531), (3, 46543), (4, 46594), (5, 46645), (6, 46675), (7, 46768), (8, 46804), (9, 46810), (11, 46834), (13, 46846),

Gene: IceWarrior_75 Start: 46335, Stop: 46766, Start Num: 1

Candidate Starts for IceWarrior_75:

(Start: 1 @46335 has 11 MA's), (2, 46362), (3, 46374), (4, 46425), (5, 46476), (7, 46599), (8, 46635), (9, 46641), (11, 46665), (13, 46677),

Gene: Namo_77 Start: 46997, Stop: 47428, Start Num: 1

Candidate Starts for Namo_77:

(Start: 1 @46997 has 11 MA's), (2, 47024), (3, 47036), (4, 47087), (5, 47138), (7, 47261), (8, 47297), (9, 47303), (11, 47327), (13, 47339),

Gene: Popy_71 Start: 46837, Stop: 47268, Start Num: 1

Candidate Starts for Popy_71:

(Start: 1 @46837 has 11 MA's), (2, 46864), (3, 46876), (4, 46927), (5, 46978), (6, 47008), (7, 47101), (8, 47137), (9, 47143), (11, 47167), (13, 47179),

Gene: Rima_76 Start: 46997, Stop: 47428, Start Num: 1

Candidate Starts for Rima_76:

(Start: 1 @46997 has 11 MA's), (2, 47024), (3, 47036), (4, 47087), (5, 47138), (7, 47261), (8, 47297), (9, 47303), (11, 47327), (13, 47339),

Gene: Soshi_72 Start: 46702, Stop: 47133, Start Num: 1

Candidate Starts for Soshi_72:

(Start: 1 @46702 has 11 MA's), (2, 46729), (3, 46741), (4, 46792), (5, 46843), (6, 46873), (7, 46966), (8, 47002), (9, 47008), (11, 47032), (13, 47044),

Gene: Wigberry_77 Start: 47020, Stop: 47457, Start Num: 1

Candidate Starts for Wigberry_77:

(Start: 1 @47020 has 11 MA's), (11, 47356), (12, 47362), (14, 47380),