



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 107639 Report

This analysis was run 04/05/24 on database version 557.

Pham number 107639 has 4 members, 0 are drafts.

Phages represented in each track:

- Track 1 : MyraDee_77
- Track 2 : SydNat_78, Zolita_77, Ghoulboy_79

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 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ghoulboy_79, MyraDee_77, SydNat_78, Zolita_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 3:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ghoulboy_79 (A5), MyraDee_77 (A18), SydNat_78 (A5), Zolita_77 (A5),

Summary by clusters:

There are 2 clusters represented in this pham: A5, A18,

Info for manual annotations of cluster A18:

- Start number 3 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A5:

- Start number 3 was manually annotated 3 times for cluster A5.

Gene Information:

Gene: Ghoulboy_79 Start: 46759, Stop: 46481, Start Num: 3

Candidate Starts for Ghoulboy_79:

(1, 46879), (2, 46783), (Start: 3 @46759 has 4 MA's), (5, 46705), (8, 46663), (10, 46627), (11, 46603), (14, 46498),

Gene: MyraDee_77 Start: 43801, Stop: 43529, Start Num: 3

Candidate Starts for MyraDee_77:

(Start: 3 @43801 has 4 MA's), (4, 43768), (6, 43744), (7, 43717), (9, 43699), (12, 43642), (13, 43618),

Gene: SydNat_78 Start: 46768, Stop: 46490, Start Num: 3

Candidate Starts for SydNat_78:

(1, 46888), (2, 46792), (Start: 3 @46768 has 4 MA's), (5, 46714), (8, 46672), (10, 46636), (11, 46612), (14, 46507),

Gene: Zolita_77 Start: 46751, Stop: 46473, Start Num: 3

Candidate Starts for Zolita_77:

(1, 46871), (2, 46775), (Start: 3 @46751 has 4 MA's), (5, 46697), (8, 46655), (10, 46619), (11, 46595), (14, 46490),