



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 106846 Report

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

Pham number 106846 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Strobilo_53, DismalFunk_49, Marcoliusprime_49, Findley_49, DismalStressor_49
- Track 2 : ZoeJ_48, BoostSeason_49, Mufasa_49
- Track 3 : Milly_49
- Track 4 : TM4_44

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

The start number called the most often in the published annotations is 2, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BoostSeason_49, DismalFunk_49, DismalStressor_49, Findley_49, Marcoliusprime_49, Milly_49, Mufasa_49, Strobilo_53, TM4_44, ZoeJ_48,

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 2:

- Found in 10 of 10 (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: BoostSeason_49 (K2), DismalFunk_49 (K2), DismalStressor_49 (K2), Findley_49 (K2), Marcoliusprime_49 (K2), Milly_49 (K2), Mufasa_49 (K2), Strobilo_53 (K2), TM4_44 (K2), ZoeJ_48 (K2),

Summary by clusters:

There is one cluster represented in this pham: K2

Info for manual annotations of cluster K2:

- Start number 2 was manually annotated 9 times for cluster K2.

Gene Information:

Gene: BoostSeason_49 Start: 37367, Stop: 37588, Start Num: 2

Candidate Starts for BoostSeason_49:

(1, 37250), (Start: 2 @37367 has 9 MA's), (3, 37376), (6, 37562), (7, 37571),

Gene: DismalFunk_49 Start: 37801, Stop: 38022, Start Num: 2

Candidate Starts for DismalFunk_49:

(Start: 2 @37801 has 9 MA's), (3, 37810), (4, 37879), (5, 37939), (7, 38005),

Gene: DismalStressor_49 Start: 37801, Stop: 38022, Start Num: 2

Candidate Starts for DismalStressor_49:

(Start: 2 @37801 has 9 MA's), (3, 37810), (4, 37879), (5, 37939), (7, 38005),

Gene: Findley_49 Start: 37794, Stop: 38015, Start Num: 2

Candidate Starts for Findley_49:

(Start: 2 @37794 has 9 MA's), (3, 37803), (4, 37872), (5, 37932), (7, 37998),

Gene: Marcoliusprime_49 Start: 37801, Stop: 38022, Start Num: 2

Candidate Starts for Marcoliusprime_49:

(Start: 2 @37801 has 9 MA's), (3, 37810), (4, 37879), (5, 37939), (7, 38005),

Gene: Milly_49 Start: 37774, Stop: 37995, Start Num: 2

Candidate Starts for Milly_49:

(1, 37657), (Start: 2 @37774 has 9 MA's), (3, 37783), (4, 37852), (5, 37912), (7, 37978),

Gene: Mufasa_49 Start: 37358, Stop: 37579, Start Num: 2

Candidate Starts for Mufasa_49:

(1, 37241), (Start: 2 @37358 has 9 MA's), (3, 37367), (6, 37553), (7, 37562),

Gene: Strobilo_53 Start: 37776, Stop: 37997, Start Num: 2

Candidate Starts for Strobilo_53:

(Start: 2 @37776 has 9 MA's), (3, 37785), (4, 37854), (5, 37914), (7, 37980),

Gene: TM4_44 Start: 32159, Stop: 32380, Start Num: 2

Candidate Starts for TM4_44:

(Start: 2 @32159 has 9 MA's), (3, 32168), (6, 32354), (7, 32363),

Gene: ZoeJ_48 Start: 37251, Stop: 37472, Start Num: 2

Candidate Starts for ZoeJ_48:

(1, 37134), (Start: 2 @37251 has 9 MA's), (3, 37260), (6, 37446), (7, 37455),