



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 106865 Report

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

Pham number 106865 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : DismalFunk_57, Milly_57, ZoeJ_56, DismalStressor_57, Findley_57, Marcoliusprime_57, Strobilo_61
- Track 2 : BoostSeason_57, Mufasa_57
- Track 3 : TM4_53

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 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BoostSeason_57, DismalFunk_57, DismalStressor_57, Findley_57, Marcoliusprime_57, Milly_57, Mufasa_57, Strobilo_61, ZoeJ_56,

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

-

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

- TM4_53,

Summary by start number:

Start 1:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_57 (K2), DismalFunk_57 (K2), DismalStressor_57 (K2), Findley_57 (K2), Marcoliusprime_57 (K2), Milly_57 (K2), Mufasa_57 (K2), Strobilo_61 (K2), ZoeJ_56 (K2),

Start 2:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: TM4_53 (K2),

Summary by clusters:

There is one cluster represented in this pham: K2

Info for manual annotations of cluster K2:

- Start number 1 was manually annotated 8 times for cluster K2.
- Start number 2 was manually annotated 1 time for cluster K2.

Gene Information:

Gene: BoostSeason_57 Start: 40744, Stop: 41142, Start Num: 1

Candidate Starts for BoostSeason_57:

(Start: 1 @40744 has 8 MA's), (6, 40960), (8, 41092),

Gene: DismalFunk_57 Start: 41169, Stop: 41564, Start Num: 1

Candidate Starts for DismalFunk_57:

(Start: 1 @41169 has 8 MA's), (6, 41385), (7, 41463), (8, 41517),

Gene: DismalStressor_57 Start: 41169, Stop: 41564, Start Num: 1

Candidate Starts for DismalStressor_57:

(Start: 1 @41169 has 8 MA's), (6, 41385), (7, 41463), (8, 41517),

Gene: Findley_57 Start: 41162, Stop: 41557, Start Num: 1

Candidate Starts for Findley_57:

(Start: 1 @41162 has 8 MA's), (6, 41378), (7, 41456), (8, 41510),

Gene: Marcoliusprime_57 Start: 41169, Stop: 41564, Start Num: 1

Candidate Starts for Marcoliusprime_57:

(Start: 1 @41169 has 8 MA's), (6, 41385), (7, 41463), (8, 41517),

Gene: Milly_57 Start: 41142, Stop: 41537, Start Num: 1

Candidate Starts for Milly_57:

(Start: 1 @41142 has 8 MA's), (6, 41358), (7, 41436), (8, 41490),

Gene: Mufasa_57 Start: 40729, Stop: 41127, Start Num: 1

Candidate Starts for Mufasa_57:

(Start: 1 @40729 has 8 MA's), (6, 40945), (8, 41077),

Gene: Strobilo_61 Start: 41144, Stop: 41539, Start Num: 1

Candidate Starts for Strobilo_61:

(Start: 1 @41144 has 8 MA's), (6, 41360), (7, 41438), (8, 41492),

Gene: TM4_53 Start: 35523, Stop: 35912, Start Num: 2

Candidate Starts for TM4_53:

(Start: 2 @35523 has 1 MA's), (3, 35562), (4, 35565), (5, 35604), (6, 35730), (8, 35862),

Gene: ZoeJ_56 Start: 40540, Stop: 40935, Start Num: 1

Candidate Starts for ZoeJ_56:

(Start: 1 @40540 has 8 MA's), (6, 40756), (7, 40834), (8, 40888),

