



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 106973 Report

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

Pham number 106973 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Marcoliusprime_74, Milly_75, DismalFunk_75, BoostSeason_74, Mufasa_74, DismalStressor_75, Findley_75
- Track 2 : ZoeJ_74
- Track 3 : Strobilo_80

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BoostSeason_74, DismalFunk_75, DismalStressor_75, Findley_75, Marcoliusprime_74, Milly_75, Mufasa_74,

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

- Strobilo_80, ZoeJ_74,

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

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Summary by start number:

Start 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 77.8% of time when present
- Phage (with cluster) where this start called: BoostSeason_74 (K2), DismalFunk_75 (K2), DismalStressor_75 (K2), Findley_75 (K2), Marcoliusprime_74 (K2), Milly_75 (K2), Mufasa_74 (K2),

Start 5:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 22.2% of time when present

- Phage (with cluster) where this start called: Strobilo_80 (K2), ZoeJ_74 (K2),

Summary by clusters:

There is one cluster represented in this pham: K2

Info for manual annotations of cluster K2:

- Start number 4 was manually annotated 7 times for cluster K2.
- Start number 5 was manually annotated 1 time for cluster K2.

Gene Information:

Gene: BoostSeason_74 Start: 49954, Stop: 50268, Start Num: 4

Candidate Starts for BoostSeason_74:

(1, 49576), (2, 49786), (Start: 4 @49954 has 7 MA's), (Start: 5 @49957 has 1 MA's), (6, 50023), (7, 50032), (8, 50074), (9, 50089), (10, 50116), (11, 50143), (12, 50230), (13, 50239),

Gene: DismalFunk_75 Start: 50483, Stop: 50797, Start Num: 4

Candidate Starts for DismalFunk_75:

(1, 50105), (2, 50315), (Start: 4 @50483 has 7 MA's), (Start: 5 @50486 has 1 MA's), (6, 50552), (7, 50561), (8, 50603), (9, 50618), (10, 50645), (11, 50672), (12, 50759), (13, 50768),

Gene: DismalStressor_75 Start: 50483, Stop: 50797, Start Num: 4

Candidate Starts for DismalStressor_75:

(1, 50105), (2, 50315), (Start: 4 @50483 has 7 MA's), (Start: 5 @50486 has 1 MA's), (6, 50552), (7, 50561), (8, 50603), (9, 50618), (10, 50645), (11, 50672), (12, 50759), (13, 50768),

Gene: Findley_75 Start: 50501, Stop: 50815, Start Num: 4

Candidate Starts for Findley_75:

(1, 50123), (2, 50333), (Start: 4 @50501 has 7 MA's), (Start: 5 @50504 has 1 MA's), (6, 50570), (7, 50579), (8, 50621), (9, 50636), (10, 50663), (11, 50690), (12, 50777), (13, 50786),

Gene: Marcoliusprime_74 Start: 50483, Stop: 50797, Start Num: 4

Candidate Starts for Marcoliusprime_74:

(1, 50105), (2, 50315), (Start: 4 @50483 has 7 MA's), (Start: 5 @50486 has 1 MA's), (6, 50552), (7, 50561), (8, 50603), (9, 50618), (10, 50645), (11, 50672), (12, 50759), (13, 50768),

Gene: Milly_75 Start: 50474, Stop: 50788, Start Num: 4

Candidate Starts for Milly_75:

(1, 50096), (2, 50306), (Start: 4 @50474 has 7 MA's), (Start: 5 @50477 has 1 MA's), (6, 50543), (7, 50552), (8, 50594), (9, 50609), (10, 50636), (11, 50663), (12, 50750), (13, 50759),

Gene: Mufasa_74 Start: 49941, Stop: 50255, Start Num: 4

Candidate Starts for Mufasa_74:

(1, 49563), (2, 49773), (Start: 4 @49941 has 7 MA's), (Start: 5 @49944 has 1 MA's), (6, 50010), (7, 50019), (8, 50061), (9, 50076), (10, 50103), (11, 50130), (12, 50217), (13, 50226),

Gene: Strobilo_80 Start: 50483, Stop: 50794, Start Num: 5

Candidate Starts for Strobilo_80:

(1, 50102), (2, 50312), (Start: 4 @50480 has 7 MA's), (Start: 5 @50483 has 1 MA's), (6, 50549), (7, 50558), (8, 50600), (9, 50615), (10, 50642), (11, 50669), (12, 50756), (13, 50765),

Gene: ZoeJ_74 Start: 49918, Stop: 50229, Start Num: 5

Candidate Starts for ZoeJ_74:

(2, 49747), (3, 49780), (Start: 4 @49915 has 7 MA's), (Start: 5 @49918 has 1 MA's), (6, 49984), (7, 49993), (8, 50035), (9, 50050), (10, 50077), (11, 50104), (12, 50191), (13, 50200),