



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 106879 Report

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

Pham number 106879 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Marcoliusprime_75, DismalFunk_76, DismalStressor_76
- Track 2 : TM4_74
- Track 3 : ZoeJ_75
- Track 4 : Milly_76, BoostSeason_75, Mufasa_75, Findley_76
- Track 5 : Strobilo_81

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_75, DismalFunk_76, DismalStressor_76, Findley_76, Marcoliusprime_75, Milly_76, Mufasa_75, ZoeJ_75,

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

- Strobilo_81,

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

- TM4_74,

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 88.9% of time when present
- Phage (with cluster) where this start called: BoostSeason_75 (K2), DismalFunk_76 (K2), DismalStressor_76 (K2), Findley_76 (K2), Marcoliusprime_75 (K2), Milly_76 (K2), Mufasa_75 (K2), ZoeJ_75 (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_74 (K2),

Start 3:

- Found in 10 of 10 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Strobilo_81 (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_75 Start: 50265, Stop: 50594, Start Num: 1

Candidate Starts for BoostSeason_75:

(Start: 1 @50265 has 8 MA's), (3, 50292), (5, 50325), (6, 50343), (7, 50433), (9, 50472), (10, 50511), (11, 50532),

Gene: DismalFunk_76 Start: 50794, Stop: 51123, Start Num: 1

Candidate Starts for DismalFunk_76:

(Start: 1 @50794 has 8 MA's), (3, 50821), (5, 50854), (6, 50872), (7, 50962), (8, 50989), (9, 51001), (10, 51040), (11, 51061),

Gene: DismalStressor_76 Start: 50794, Stop: 51123, Start Num: 1

Candidate Starts for DismalStressor_76:

(Start: 1 @50794 has 8 MA's), (3, 50821), (5, 50854), (6, 50872), (7, 50962), (8, 50989), (9, 51001), (10, 51040), (11, 51061),

Gene: Findley_76 Start: 50812, Stop: 51141, Start Num: 1

Candidate Starts for Findley_76:

(Start: 1 @50812 has 8 MA's), (3, 50839), (5, 50872), (6, 50890), (7, 50980), (9, 51019), (10, 51058), (11, 51079),

Gene: Marcoliusprime_75 Start: 50794, Stop: 51123, Start Num: 1

Candidate Starts for Marcoliusprime_75:

(Start: 1 @50794 has 8 MA's), (3, 50821), (5, 50854), (6, 50872), (7, 50962), (8, 50989), (9, 51001), (10, 51040), (11, 51061),

Gene: Milly_76 Start: 50785, Stop: 51114, Start Num: 1

Candidate Starts for Milly_76:

(Start: 1 @50785 has 8 MA's), (3, 50812), (5, 50845), (6, 50863), (7, 50953), (9, 50992), (10, 51031), (11, 51052),

Gene: Mufasa_75 Start: 50252, Stop: 50581, Start Num: 1

Candidate Starts for Mufasa_75:

(Start: 1 @50252 has 8 MA's), (3, 50279), (5, 50312), (6, 50330), (7, 50420), (9, 50459), (10, 50498), (11, 50519),

Gene: Strobilo_81 Start: 50818, Stop: 51120, Start Num: 3

Candidate Starts for Strobilo_81:

(Start: 1 @50791 has 8 MA's), (3, 50818), (5, 50851), (6, 50869), (7, 50959), (9, 50998), (10, 51037), (11, 51058),

Gene: TM4_74 Start: 45216, Stop: 45545, Start Num: 2

Candidate Starts for TM4_74:

(Start: 2 @45216 has 1 MA's), (3, 45243), (4, 45246), (5, 45276), (6, 45294), (9, 45423), (10, 45462), (11, 45483),

Gene: ZoeJ_75 Start: 50226, Stop: 50555, Start Num: 1

Candidate Starts for ZoeJ_75:

(Start: 1 @50226 has 8 MA's), (3, 50253), (5, 50286), (6, 50304), (9, 50433), (10, 50472), (11, 50493),