



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 106913 Report

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

Pham number 106913 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Milly_37, Findley_37
- Track 2 : DismalStressor_37, Marcoliusprime_37, DismalFunk_37
- Track 3 : BoostSeason_38, Mufasa_38
- Track 4 : ZoeJ_37
- Track 5 : Strobilo_40

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

Genes that call this "Most Annotated" start:

- BoostSeason_38, DismalFunk_37, DismalStressor_37, Marcoliusprime_37, Mufasa_38, Strobilo_40,

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

- Findley_37, Milly_37,

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

- ZoeJ_37,

Summary by start number:

Start 1:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Findley_37 (K2), Milly_37 (K2),

Start 3:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 75.0% of time when present

- Phage (with cluster) where this start called: BoostSeason_38 (K2), DismalFunk_37 (K2), DismalStressor_37 (K2), Marcoliusprime_37 (K2), Mufasa_38 (K2), Strobilo_40 (K2),

Start 4:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ZoeJ_37 (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 2 times for cluster K2.
- Start number 3 was manually annotated 5 times for cluster K2.
- Start number 4 was manually annotated 1 time for cluster K2.

Gene Information:

Gene: BoostSeason_38 Start: 29784, Stop: 30125, Start Num: 3

Candidate Starts for BoostSeason_38:

(Start: 1 @29748 has 2 MA's), (Start: 3 @29784 has 5 MA's), (5, 29799), (8, 29871), (9, 29886), (10, 29949), (13, 30048), (14, 30078),

Gene: DismalFunk_37 Start: 29885, Stop: 30223, Start Num: 3

Candidate Starts for DismalFunk_37:

(Start: 1 @29849 has 2 MA's), (Start: 3 @29885 has 5 MA's), (5, 29900), (8, 29972), (9, 29987), (10, 30050), (12, 30104), (13, 30146), (14, 30176),

Gene: DismalStressor_37 Start: 29885, Stop: 30223, Start Num: 3

Candidate Starts for DismalStressor_37:

(Start: 1 @29849 has 2 MA's), (Start: 3 @29885 has 5 MA's), (5, 29900), (8, 29972), (9, 29987), (10, 30050), (12, 30104), (13, 30146), (14, 30176),

Gene: Findley_37 Start: 29842, Stop: 30216, Start Num: 1

Candidate Starts for Findley_37:

(Start: 1 @29842 has 2 MA's), (Start: 3 @29878 has 5 MA's), (5, 29893), (8, 29965), (9, 29980), (10, 30043), (11, 30073), (12, 30097), (13, 30139), (14, 30169),

Gene: Marcoliusprime_37 Start: 29885, Stop: 30223, Start Num: 3

Candidate Starts for Marcoliusprime_37:

(Start: 1 @29849 has 2 MA's), (Start: 3 @29885 has 5 MA's), (5, 29900), (8, 29972), (9, 29987), (10, 30050), (12, 30104), (13, 30146), (14, 30176),

Gene: Milly_37 Start: 29822, Stop: 30196, Start Num: 1

Candidate Starts for Milly_37:

(Start: 1 @29822 has 2 MA's), (Start: 3 @29858 has 5 MA's), (5, 29873), (8, 29945), (9, 29960), (10, 30023), (11, 30053), (12, 30077), (13, 30119), (14, 30149),

Gene: Mufasa_38 Start: 29777, Stop: 30118, Start Num: 3

Candidate Starts for Mufasa_38:

(Start: 1 @29741 has 2 MA's), (Start: 3 @29777 has 5 MA's), (5, 29792), (8, 29864), (9, 29879), (10, 29942), (13, 30041), (14, 30071),

Gene: Strobilo_40 Start: 29859, Stop: 30197, Start Num: 3

Candidate Starts for Strobilo_40:

(Start: 1 @29823 has 2 MA's), (Start: 3 @29859 has 5 MA's), (5, 29874), (8, 29946), (9, 29961), (10, 30024), (11, 30054), (12, 30078), (13, 30120), (14, 30150),

Gene: ZoeJ_37 Start: 29557, Stop: 29883, Start Num: 4

Candidate Starts for ZoeJ_37:

(2, 29533), (Start: 4 @29557 has 1 MA's), (6, 29590), (7, 29629), (8, 29632), (9, 29647), (10, 29710), (11, 29740), (13, 29806), (14, 29836), (15, 29857),