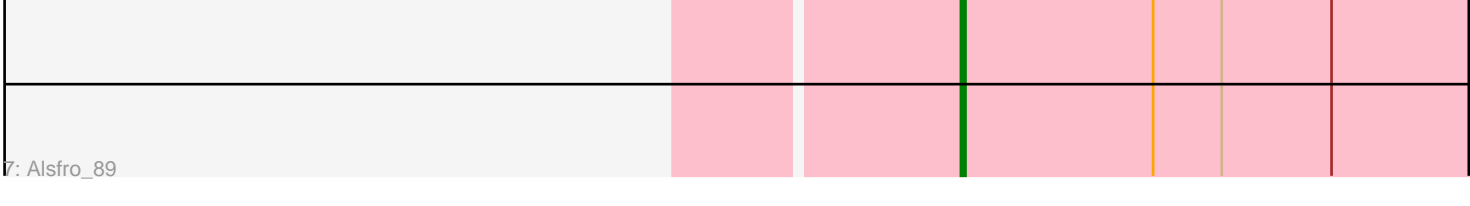
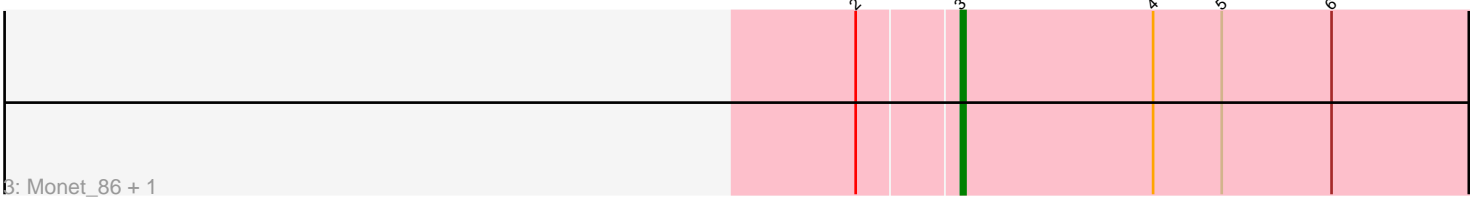


Pham 5108



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 5108 Report

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

Pham number 5108 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Moose_88, Forsytheast_89, SwissCheese_89
- Track 2 : Bruns_87
- Track 3 : Monet_86, Edtherson_81
- Track 4 : Nhonho_79, Fenn_86, Naira_85, Mryolo_78
- Track 5 : Hami1_75
- Track 6 : Marge_79
- Track 7 : Alsfro_89

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alsfro_89, Bruns_87, Edtherson_81, Fenn_86, Forsytheast_89, Hami1_75, Marge_79, Monet_86, Moose_88, Mryolo_78, Naira_85, Nhonho_79, SwissCheese_89,

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 3:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alsfro_89 (A1), Bruns_87 (A1), Edtherson_81 (A1), Fenn_86 (A1), Forsytheast_89 (A1), Hami1_75 (A1), Marge_79 (A1), Monet_86 (A1), Moose_88 (A1), Mryolo_78 (A1), Naira_85 (A1), Nhonho_79 (A1), SwissCheese_89 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 3 was manually annotated 12 times for cluster A1.

Gene Information:

Gene: Alsfro_89 Start: 48488, Stop: 48342, Start Num: 3

Candidate Starts for Alsfro_89:

(Start: 3 @48488 has 12 MA's), (4, 48446), (5, 48431), (6, 48407),

Gene: Bruns_87 Start: 48540, Stop: 48394, Start Num: 3

Candidate Starts for Bruns_87:

(Start: 3 @48540 has 12 MA's), (4, 48498), (5, 48483), (6, 48459),

Gene: Edtherson_81 Start: 48105, Stop: 47959, Start Num: 3

Candidate Starts for Edtherson_81:

(2, 48126), (Start: 3 @48105 has 12 MA's), (4, 48063), (5, 48048), (6, 48024),

Gene: Fenn_86 Start: 49156, Stop: 49010, Start Num: 3

Candidate Starts for Fenn_86:

(Start: 3 @49156 has 12 MA's), (4, 49114), (5, 49099), (6, 49075),

Gene: Forsytheast_89 Start: 49579, Stop: 49433, Start Num: 3

Candidate Starts for Forsytheast_89:

(Start: 3 @49579 has 12 MA's), (4, 49537), (5, 49522), (6, 49498),

Gene: Hami1_75 Start: 44329, Stop: 44183, Start Num: 3

Candidate Starts for Hami1_75:

(1, 44503), (2, 44350), (Start: 3 @44329 has 12 MA's), (4, 44287), (5, 44272), (6, 44248),

Gene: Marge_79 Start: 47132, Stop: 46986, Start Num: 3

Candidate Starts for Marge_79:

(Start: 3 @47132 has 12 MA's), (4, 47090), (5, 47075), (6, 47051),

Gene: Monet_86 Start: 49581, Stop: 49435, Start Num: 3

Candidate Starts for Monet_86:

(2, 49602), (Start: 3 @49581 has 12 MA's), (4, 49539), (5, 49524), (6, 49500),

Gene: Moose_88 Start: 49579, Stop: 49433, Start Num: 3

Candidate Starts for Moose_88:

(Start: 3 @49579 has 12 MA's), (4, 49537), (5, 49522), (6, 49498),

Gene: Mryolo_78 Start: 46674, Stop: 46528, Start Num: 3

Candidate Starts for Mryolo_78:

(Start: 3 @46674 has 12 MA's), (4, 46632), (5, 46617), (6, 46593),

Gene: Naira_85 Start: 49212, Stop: 49066, Start Num: 3

Candidate Starts for Naira_85:

(Start: 3 @49212 has 12 MA's), (4, 49170), (5, 49155), (6, 49131),

Gene: Nhonho_79 Start: 47955, Stop: 47809, Start Num: 3

Candidate Starts for Nhonho_79:

(Start: 3 @47955 has 12 MA's), (4, 47913), (5, 47898), (6, 47874),

Gene: SwissCheese_89 Start: 49023, Stop: 48877, Start Num: 3

Candidate Starts for SwissCheese_89:

(Start: 3 @49023 has 12 MA's), (4, 48981), (5, 48966), (6, 48942),