



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 87208 Report

This analysis was run 03/30/24 on database version 556.

Pham number 87208 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : A6_65, Bxb1_65, BK1_65, PacerPaul_76
- Track 2 : MaryBeth_70, SkiPole_81, Agaliana_69, Bruns_75, DreamCatcher_76, Francis47_73, MetalQZJ_69, Big3_73, SwissCheese_76

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

The start number called the most often in the published annotations is 2, it was called in 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agaliana_69, Big3_73, Bruns_75, DreamCatcher_76, Francis47_73, MaryBeth_70, MetalQZJ_69, SkiPole_81, SwissCheese_76,

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

- A6_65, BK1_65, Bxb1_65, PacerPaul_76,

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

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Summary by start number:

Start 1:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 12
- Called 30.8% of time when present
- Phage (with cluster) where this start called: A6_65 (A1), BK1_65 (A1), Bxb1_65 (A1), PacerPaul_76 (A1),

Start 2:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 12
- Called 69.2% of time when present
- Phage (with cluster) where this start called: Agaliana_69 (A1), Big3_73 (A1), Bruns_75 (A1), DreamCatcher_76 (A1), Francis47_73 (A1), MaryBeth_70 (A1),

MetalQZJ_69 (A1), SkiPole_81 (A1), SwissCheese_76 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 1 was manually annotated 4 times for cluster A1.
- Start number 2 was manually annotated 8 times for cluster A1.

Gene Information:

Gene: A6_65 Start: 42619, Stop: 42470, Start Num: 1

Candidate Starts for A6_65:

(Start: 1 @42619 has 4 MA's), (Start: 2 @42613 has 8 MA's), (3, 42517),

Gene: Agaliana_69 Start: 43465, Stop: 43322, Start Num: 2

Candidate Starts for Agaliana_69:

(Start: 1 @43471 has 4 MA's), (Start: 2 @43465 has 8 MA's), (3, 43369),

Gene: BK1_65 Start: 42619, Stop: 42470, Start Num: 1

Candidate Starts for BK1_65:

(Start: 1 @42619 has 4 MA's), (Start: 2 @42613 has 8 MA's), (3, 42517),

Gene: Big3_73 Start: 46749, Stop: 46606, Start Num: 2

Candidate Starts for Big3_73:

(Start: 1 @46755 has 4 MA's), (Start: 2 @46749 has 8 MA's), (3, 46653),

Gene: Bruns_75 Start: 44901, Stop: 44758, Start Num: 2

Candidate Starts for Bruns_75:

(Start: 1 @44907 has 4 MA's), (Start: 2 @44901 has 8 MA's), (3, 44805),

Gene: Bxb1_65 Start: 43126, Stop: 42977, Start Num: 1

Candidate Starts for Bxb1_65:

(Start: 1 @43126 has 4 MA's), (Start: 2 @43120 has 8 MA's), (3, 43024),

Gene: DreamCatcher_76 Start: 46047, Stop: 45904, Start Num: 2

Candidate Starts for DreamCatcher_76:

(Start: 1 @46053 has 4 MA's), (Start: 2 @46047 has 8 MA's), (3, 45951),

Gene: Francis47_73 Start: 47309, Stop: 47166, Start Num: 2

Candidate Starts for Francis47_73:

(Start: 1 @47315 has 4 MA's), (Start: 2 @47309 has 8 MA's), (3, 47213),

Gene: MaryBeth_70 Start: 45179, Stop: 45036, Start Num: 2

Candidate Starts for MaryBeth_70:

(Start: 1 @45185 has 4 MA's), (Start: 2 @45179 has 8 MA's), (3, 45083),

Gene: MetalQZJ_69 Start: 45179, Stop: 45036, Start Num: 2

Candidate Starts for MetalQZJ_69:

(Start: 1 @45185 has 4 MA's), (Start: 2 @45179 has 8 MA's), (3, 45083),

Gene: PacerPaul_76 Start: 46682, Stop: 46533, Start Num: 1

Candidate Starts for PacerPaul_76:

(Start: 1 @46682 has 4 MA's), (Start: 2 @46676 has 8 MA's), (3, 46580),

Gene: SkiPole_81 Start: 46332, Stop: 46189, Start Num: 2

Candidate Starts for SkiPole_81:

(Start: 1 @46338 has 4 MA's), (Start: 2 @46332 has 8 MA's), (3, 46236),

Gene: SwissCheese_76 Start: 45371, Stop: 45228, Start Num: 2

Candidate Starts for SwissCheese_76:

(Start: 1 @45377 has 4 MA's), (Start: 2 @45371 has 8 MA's), (3, 45275),