



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 106793 Report

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

Pham number 106793 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Metamorphoo_94, Fireman_95, RobsFeet_99
- Track 2 : KaiHaiDragon_92, Quhwah_95
- Track 3 : Gina_62, Teamocil_62
- Track 4 : Paschalis_91
- Track 5 : Ariadne_68, Smarties_68

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ariadne_68, KaiHaiDragon_92, Paschalis_91, Quhwah_95, Smarties_68,

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

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

- Fireman_95, Gina_62, Metamorphoo_94, RobsFeet_99, Teamocil_62,

Summary by start number:

Start 9:

- Found in 5 of 10 (50.0%) of genes in pham
- Manual Annotations of this start: 5 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariadne_68 (EC), KaiHaiDragon_92 (EC), Paschalis_91 (EC), Quhwah_95 (EC), Smarties_68 (EC),

Start 10:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gina_62 (EC), Teamocil_62 (EC),

Start 11:

- Found in 3 of 10 (30.0%) of genes in pham
- Manual Annotations of this start: 3 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fireman_95 (EC), Metamorphoo_94 (EC), RobsFeet_99 (EC),

Summary by clusters:

There is one cluster represented in this pham: EC

Info for manual annotations of cluster EC:

- Start number 9 was manually annotated 5 times for cluster EC.
- Start number 10 was manually annotated 2 times for cluster EC.
- Start number 11 was manually annotated 3 times for cluster EC.

Gene Information:

Gene: Ariadne_68 Start: 40086, Stop: 40298, Start Num: 9

Candidate Starts for Ariadne_68:

(3, 39441), (4, 39846), (5, 39945), (6, 39972), (7, 39987), (Start: 9 @40086 has 5 MA's), (12, 40176), (13, 40188), (14, 40194),

Gene: Fireman_95 Start: 40211, Stop: 40384, Start Num: 11

Candidate Starts for Fireman_95:

(Start: 11 @40211 has 3 MA's), (12, 40253), (14, 40271),

Gene: Gina_62 Start: 38267, Stop: 38470, Start Num: 10

Candidate Starts for Gina_62:

(Start: 10 @38267 has 2 MA's),

Gene: KaiHaiDragon_92 Start: 38160, Stop: 38363, Start Num: 9

Candidate Starts for KaiHaiDragon_92:

(3, 37515), (4, 37920), (5, 38019), (6, 38046), (7, 38061), (8, 38103), (Start: 9 @38160 has 5 MA's), (12, 38250),

Gene: Metamorphoo_94 Start: 39505, Stop: 39678, Start Num: 11

Candidate Starts for Metamorphoo_94:

(Start: 11 @39505 has 3 MA's), (12, 39547), (14, 39565),

Gene: Paschalis_91 Start: 38255, Stop: 38449, Start Num: 9

Candidate Starts for Paschalis_91:

(1, 37328), (2, 37379), (3, 37610), (4, 38015), (5, 38114), (6, 38141), (7, 38156), (8, 38198), (Start: 9 @38255 has 5 MA's),

Gene: Quhwah_95 Start: 38870, Stop: 39073, Start Num: 9

Candidate Starts for Quhwah_95:

(3, 38225), (4, 38630), (5, 38729), (6, 38756), (7, 38771), (8, 38813), (Start: 9 @38870 has 5 MA's), (12, 38960),

Gene: RobsFeet_99 Start: 39772, Stop: 39945, Start Num: 11

Candidate Starts for RobsFeet_99:

(Start: 11 @39772 has 3 MA's), (12, 39814), (14, 39832),

Gene: Smarties_68 Start: 40086, Stop: 40298, Start Num: 9

Candidate Starts for Smarties_68:

(3, 39441), (4, 39846), (5, 39945), (6, 39972), (7, 39987), (Start: 9 @40086 has 5 MA's), (12, 40176),
(13, 40188), (14, 40194),

Gene: Teamocil_62 Start: 38366, Stop: 38563, Start Num: 10

Candidate Starts for Teamocil_62:

(Start: 10 @38366 has 2 MA's),