



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 87988 Report

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

Pham number 87988 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Squee_91, Fenn_96, Naira_95
- Track 2 : Pari_91, Lockley_90, DD5_87
- Track 3 : Norz_89

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Fenn_96, Naira_95, Norz_89, Squee_91,

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

- DD5_87, Lockley_90, Pari_91,

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

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Summary by start number:

Start 1:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DD5_87 (A1), Lockley_90 (A1), Pari_91 (A1),

Start 2:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Fenn_96 (A1), Naira_95 (A1), Norz_89 (A1), Squee_91 (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 3 times for cluster A1.
- Start number 2 was manually annotated 4 times for cluster A1.

Gene Information:

Gene: DD5_87 Start: 51170, Stop: 50931, Start Num: 1

Candidate Starts for DD5_87:

(Start: 1 @51170 has 3 MA's), (Start: 2 @51137 has 4 MA's), (3, 51107), (4, 51086), (6, 51050), (7, 51044), (8, 50981),

Gene: Fenn_96 Start: 52571, Stop: 52362, Start Num: 2

Candidate Starts for Fenn_96:

(Start: 2 @52571 has 4 MA's), (3, 52538), (4, 52517), (5, 52508), (6, 52481), (7, 52475), (8, 52412),

Gene: Lockley_90 Start: 50925, Stop: 50686, Start Num: 1

Candidate Starts for Lockley_90:

(Start: 1 @50925 has 3 MA's), (Start: 2 @50892 has 4 MA's), (3, 50862), (4, 50841), (6, 50805), (7, 50799), (8, 50736),

Gene: Naira_95 Start: 52703, Stop: 52494, Start Num: 2

Candidate Starts for Naira_95:

(Start: 2 @52703 has 4 MA's), (3, 52670), (4, 52649), (5, 52640), (6, 52613), (7, 52607), (8, 52544),

Gene: Norz_89 Start: 53207, Stop: 52998, Start Num: 2

Candidate Starts for Norz_89:

(Start: 2 @53207 has 4 MA's), (3, 53174), (4, 53153), (6, 53117), (7, 53111), (8, 53048),

Gene: Pari_91 Start: 49930, Stop: 49691, Start Num: 1

Candidate Starts for Pari_91:

(Start: 1 @49930 has 3 MA's), (Start: 2 @49897 has 4 MA's), (3, 49867), (4, 49846), (6, 49810), (7, 49804), (8, 49741),

Gene: Squee_91 Start: 51673, Stop: 51464, Start Num: 2

Candidate Starts for Squee_91:

(Start: 2 @51673 has 4 MA's), (3, 51640), (4, 51619), (5, 51610), (6, 51583), (7, 51577), (8, 51514),