



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 8121 Report

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

Pham number 8121 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Troy_47, Dina_49, SamW_47, Lederberg_47
- Track 2 : Bran_51
- Track 3 : Adelaide_48

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adelaide_48, Dina_49, Lederberg_47, SamW_47, Troy_47,

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

- Bran_51,

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

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Summary by start number:

Start 1:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Adelaide_48 (EP), Dina_49 (EP), Lederberg_47 (EP), SamW_47 (EP), Troy_47 (EP),

Start 2:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Bran_51 (EP),

Summary by clusters:

There is one cluster represented in this pham: EP

Info for manual annotations of cluster EP:

- Start number 1 was manually annotated 5 times for cluster EP.
- Start number 2 was manually annotated 1 time for cluster EP.

Gene Information:

Gene: Adelaide_48 Start: 39455, Stop: 39742, Start Num: 1

Candidate Starts for Adelaide_48:

(Start: 1 @39455 has 5 MA's), (Start: 2 @39536 has 1 MA's), (3, 39542), (4, 39548), (5, 39587), (6, 39665), (7, 39686),

Gene: Bran_51 Start: 36514, Stop: 36720, Start Num: 2

Candidate Starts for Bran_51:

(Start: 1 @36433 has 5 MA's), (Start: 2 @36514 has 1 MA's), (3, 36520), (4, 36526), (5, 36565), (6, 36643), (7, 36664),

Gene: Dina_49 Start: 38531, Stop: 38818, Start Num: 1

Candidate Starts for Dina_49:

(Start: 1 @38531 has 5 MA's), (Start: 2 @38612 has 1 MA's), (3, 38618), (4, 38624), (5, 38663), (6, 38741), (7, 38762),

Gene: Lederberg_47 Start: 39324, Stop: 39611, Start Num: 1

Candidate Starts for Lederberg_47:

(Start: 1 @39324 has 5 MA's), (Start: 2 @39405 has 1 MA's), (3, 39411), (4, 39417), (5, 39456), (6, 39534), (7, 39555),

Gene: SamW_47 Start: 38939, Stop: 39226, Start Num: 1

Candidate Starts for SamW_47:

(Start: 1 @38939 has 5 MA's), (Start: 2 @39020 has 1 MA's), (3, 39026), (4, 39032), (5, 39071), (6, 39149), (7, 39170),

Gene: Troy_47 Start: 38939, Stop: 39226, Start Num: 1

Candidate Starts for Troy_47:

(Start: 1 @38939 has 5 MA's), (Start: 2 @39020 has 1 MA's), (3, 39026), (4, 39032), (5, 39071), (6, 39149), (7, 39170),