



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 6532 Report

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

Pham number 6532 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Bran_43
- Track 2 : StAB_37
- Track 3 : Dina_38, Troy_36, SamW_36, Lederberg_36
- Track 4 : Adelaide_36, Stiles_38

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 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bran_43, Dina_38, Lederberg_36, SamW_36, StAB_37, Troy_36,

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

- Adelaide_36, Stiles_38,

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

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Summary by start number:

Start 2:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Adelaide_36 (EP), Stiles_38 (EP),

Start 3:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Bran_43 (EP), Dina_38 (EP), Lederberg_36 (EP), SamW_36 (EP), StAB_37 (EP), Troy_36 (EP),

Summary by clusters:

There is one cluster represented in this pham: EP

Info for manual annotations of cluster EP:

- Start number 2 was manually annotated 2 times for cluster EP.
- Start number 3 was manually annotated 6 times for cluster EP.

Gene Information:

Gene: Adelaide_36 Start: 29044, Stop: 29277, Start Num: 2

Candidate Starts for Adelaide_36:

(1, 28951), (Start: 2 @29044 has 2 MA's), (Start: 3 @29056 has 6 MA's), (5, 29122), (6, 29164),

Gene: Bran_43 Start: 32060, Stop: 32278, Start Num: 3

Candidate Starts for Bran_43:

(Start: 3 @32060 has 6 MA's), (7, 32249),

Gene: Dina_38 Start: 28132, Stop: 28353, Start Num: 3

Candidate Starts for Dina_38:

(1, 28027), (Start: 2 @28120 has 2 MA's), (Start: 3 @28132 has 6 MA's), (5, 28198), (6, 28240),

Gene: Lederberg_36 Start: 28925, Stop: 29146, Start Num: 3

Candidate Starts for Lederberg_36:

(1, 28820), (Start: 2 @28913 has 2 MA's), (Start: 3 @28925 has 6 MA's), (5, 28991), (6, 29033),

Gene: SamW_36 Start: 28540, Stop: 28761, Start Num: 3

Candidate Starts for SamW_36:

(1, 28435), (Start: 2 @28528 has 2 MA's), (Start: 3 @28540 has 6 MA's), (5, 28606), (6, 28648),

Gene: StAB_37 Start: 29966, Stop: 30187, Start Num: 3

Candidate Starts for StAB_37:

(Start: 3 @29966 has 6 MA's), (4, 29972), (6, 30074),

Gene: Stiles_38 Start: 29705, Stop: 29938, Start Num: 2

Candidate Starts for Stiles_38:

(1, 29612), (Start: 2 @29705 has 2 MA's), (Start: 3 @29717 has 6 MA's), (5, 29783), (6, 29825),

Gene: Troy_36 Start: 28540, Stop: 28761, Start Num: 3

Candidate Starts for Troy_36:

(1, 28435), (Start: 2 @28528 has 2 MA's), (Start: 3 @28540 has 6 MA's), (5, 28606), (6, 28648),