



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 88392 Report

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

Pham number 88392 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : SV1_36
- Track 2 : SoJo_38
- Track 3 : Mojorita_39, Picard_39
- Track 4 : Austintatious_38
- Track 5 : Ididsumtinwong_42

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

The start number called the most often in the published annotations is 11, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Mojorita_39, Picard_39, SV1_36,

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:

- Austintatious_38, Ididsumtinwong_42, SoJo_38,

Summary by start number:

Start 11:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mojorita_39 (BC1), Picard_39 (BC1), SV1_36 (BC1),

Start 12:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Austintatious_38 (BC3),
Ididsumtinwong_42 (BC3),

Start 13:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SoJo_38 (BC1),

Summary by clusters:

There are 2 clusters represented in this pham: BC1, BC3,

Info for manual annotations of cluster BC1:

- Start number 11 was manually annotated 3 times for cluster BC1.
- Start number 13 was manually annotated 1 time for cluster BC1.

Info for manual annotations of cluster BC3:

- Start number 12 was manually annotated 2 times for cluster BC3.

Gene Information:

Gene: Austintatious_38 Start: 25550, Stop: 25774, Start Num: 12

Candidate Starts for Austintatious_38:

(3, 25280), (5, 25298), (7, 25382), (8, 25400), (Start: 12 @25550 has 2 MA's),

Gene: Ididsumtinwong_42 Start: 27851, Stop: 28069, Start Num: 12

Candidate Starts for Ididsumtinwong_42:

(3, 27581), (5, 27599), (7, 27683), (8, 27701), (Start: 12 @27851 has 2 MA's),

Gene: Moajorita_39 Start: 27666, Stop: 27902, Start Num: 11

Candidate Starts for Moajorita_39:

(1, 27336), (2, 27351), (4, 27408), (6, 27489), (9, 27573), (10, 27609), (Start: 11 @27666 has 3 MA's),
(14, 27699), (15, 27735),

Gene: Picard_39 Start: 27864, Stop: 28100, Start Num: 11

Candidate Starts for Picard_39:

(1, 27534), (2, 27549), (4, 27606), (6, 27687), (9, 27771), (10, 27807), (Start: 11 @27864 has 3 MA's),
(14, 27897), (15, 27933),

Gene: SV1_36 Start: 26573, Stop: 26809, Start Num: 11

Candidate Starts for SV1_36:

(1, 26243), (2, 26258), (4, 26315), (6, 26396), (9, 26480), (10, 26516), (Start: 11 @26573 has 3 MA's),
(14, 26606), (15, 26642),

Gene: SoJo_38 Start: 28766, Stop: 28987, Start Num: 13

Candidate Starts for SoJo_38:

(Start: 13 @28766 has 1 MA's), (15, 28817), (16, 28871), (17, 28922),