



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 291851 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291851 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : SPB78_59
- Track 2 : Mojorita_44
- Track 3 : Lishka_41, Austintatious_41
- Track 4 : PapayaSalad_43
- Track 5 : Ididsumtinwong_45, Bioscum_44

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

The start number called the most often in the published annotations is 23, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Austintatious_41, Bioscum_44, Ididsumtinwong_45, Lishka_41, PapayaSalad_43, SPB78_59,

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:

- Mojorita_44,

Summary by start number:

Start 23:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Austintatious_41 (BC3), Bioscum_44 (BC3), Ididsumtinwong_45 (BC3), Lishka_41 (BC3), PapayaSalad_43 (BC3), SPB78_59 (BA),

Start 24:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 6

- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mojorita_44 (BC1),

Summary by clusters:

There are 3 clusters represented in this pham: BC1, BA, BC3,

Info for manual annotations of cluster BC1:

- Start number 24 was manually annotated 1 time for cluster BC1.

Info for manual annotations of cluster BC3:

- Start number 23 was manually annotated 5 times for cluster BC3.

Gene Information:

Gene: Austintatious_41 Start: 27402, Stop: 27590, Start Num: 23

Candidate Starts for Austintatious_41:

(Start: 23 @27402 has 5 MA's), (27, 27480), (30, 27552),

Gene: Bioscum_44 Start: 29698, Stop: 29886, Start Num: 23

Candidate Starts for Bioscum_44:

(1, 28513), (2, 28516), (3, 28549), (4, 28657), (5, 28678), (8, 29104), (10, 29185), (19, 29566), (22, 29605), (Start: 23 @29698 has 5 MA's), (26, 29767), (28, 29794), (30, 29848),

Gene: Ididsumtinwong_45 Start: 29698, Stop: 29886, Start Num: 23

Candidate Starts for Ididsumtinwong_45:

(1, 28513), (2, 28516), (3, 28549), (4, 28657), (5, 28678), (8, 29104), (10, 29185), (19, 29566), (22, 29605), (Start: 23 @29698 has 5 MA's), (26, 29767), (28, 29794), (30, 29848),

Gene: Lishka_41 Start: 27402, Stop: 27590, Start Num: 23

Candidate Starts for Lishka_41:

(Start: 23 @27402 has 5 MA's), (27, 27480), (30, 27552),

Gene: Mojorita_44 Start: 30457, Stop: 30630, Start Num: 24

Candidate Starts for Mojorita_44:

(12, 29977), (13, 29995), (15, 30115), (16, 30124), (17, 30256), (18, 30268), (Start: 24 @30457 has 1 MA's), (25, 30484), (31, 30604),

Gene: PapayaSalad_43 Start: 29988, Stop: 30176, Start Num: 23

Candidate Starts for PapayaSalad_43:

(1, 28803), (2, 28806), (3, 28839), (4, 28947), (5, 28968), (7, 29271), (8, 29394), (10, 29475), (19, 29856), (22, 29895), (Start: 23 @29988 has 5 MA's), (26, 30057), (28, 30084), (30, 30138),

Gene: SPB78_59 Start: 40199, Stop: 40402, Start Num: 23

Candidate Starts for SPB78_59:

(6, 39398), (9, 39668), (11, 39743), (14, 39776), (20, 40079), (21, 40088), (22, 40112), (Start: 23 @40199 has 5 MA's), (Start: 24 @40211 has 1 MA's), (29, 40316),