



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 297101 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297101 has 13 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Toneprano\_18, Mikronejon\_18, Pakusa\_18, Beted\_18, Lenoshki\_18, Argena\_18, Aloki\_18, EmoNemo\_18, MintFritos\_18, Amoonguss\_18, Farrylious\_17, Twin\_18
- Track 2 : Oogie\_18

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

This pham is comprised of all draft annotations. There are no annotations to summarize.

#### **Summary by start number:**

Start 5:

- Found in 13 of 13 ( 100.0% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aloki\_18 (DQ), Amoonguss\_18 (DQ), Argena\_18 (DQ), Beted\_18 (DQ), EmoNemo\_18 (DQ), Farrylious\_17 (DQ), Lenoshki\_18 (DQ), Mikronejon\_18 (DQ), MintFritos\_18 (DQ), Oogie\_18 (DQ), Pakusa\_18 (DQ), Toneprano\_18 (DQ), Twin\_18 (DQ),

#### **Summary by clusters:**

There is one cluster represented in this pham: DQ

### ***Gene Information:***

Gene: Aloki\_18 Start: 7885, Stop: 8082, Start Num: 5

Candidate Starts for Aloki\_18:

(1, 7723), (3, 7813), (4, 7837), (5, 7885), (6, 7936), (7, 7948), (8, 7957), (9, 7990), (10, 8050), (11, 8068),

Gene: Amoonguss\_18 Start: 7888, Stop: 8085, Start Num: 5

Candidate Starts for Amoonguss\_18:

(1, 7726), (3, 7816), (4, 7840), (5, 7888), (6, 7939), (7, 7951), (8, 7960), (9, 7993), (10, 8053), (11, 8071),

Gene: Argena\_18 Start: 7885, Stop: 8082, Start Num: 5

Candidate Starts for Argena\_18:

(1, 7723), (3, 7813), (4, 7837), (5, 7885), (6, 7936), (7, 7948), (8, 7957), (9, 7990), (10, 8050), (11, 8068),

Gene: Beted\_18 Start: 7511, Stop: 7708, Start Num: 5

Candidate Starts for Beted\_18:

(1, 7349), (3, 7439), (4, 7463), (5, 7511), (6, 7562), (7, 7574), (8, 7583), (9, 7616), (10, 7676), (11, 7694),

Gene: EmoNemo\_18 Start: 7885, Stop: 8082, Start Num: 5

Candidate Starts for EmoNemo\_18:

(1, 7723), (3, 7813), (4, 7837), (5, 7885), (6, 7936), (7, 7948), (8, 7957), (9, 7990), (10, 8050), (11, 8068),

Gene: Farrylious\_17 Start: 7638, Stop: 7835, Start Num: 5

Candidate Starts for Farrylious\_17:

(1, 7476), (3, 7566), (4, 7590), (5, 7638), (6, 7689), (7, 7701), (8, 7710), (9, 7743), (10, 7803), (11, 7821),

Gene: Lenoshki\_18 Start: 7511, Stop: 7708, Start Num: 5

Candidate Starts for Lenoshki\_18:

(1, 7349), (3, 7439), (4, 7463), (5, 7511), (6, 7562), (7, 7574), (8, 7583), (9, 7616), (10, 7676), (11, 7694),

Gene: Mikronejon\_18 Start: 7885, Stop: 8082, Start Num: 5

Candidate Starts for Mikronejon\_18:

(1, 7723), (3, 7813), (4, 7837), (5, 7885), (6, 7936), (7, 7948), (8, 7957), (9, 7990), (10, 8050), (11, 8068),

Gene: MintFritos\_18 Start: 7885, Stop: 8082, Start Num: 5

Candidate Starts for MintFritos\_18:

(1, 7723), (3, 7813), (4, 7837), (5, 7885), (6, 7936), (7, 7948), (8, 7957), (9, 7990), (10, 8050), (11, 8068),

Gene: Oogie\_18 Start: 7537, Stop: 7734, Start Num: 5

Candidate Starts for Oogie\_18:

(1, 7366), (2, 7456), (3, 7465), (4, 7489), (5, 7537), (6, 7588), (7, 7600), (8, 7609), (9, 7642), (10, 7702), (11, 7720),

Gene: Pakusa\_18 Start: 7627, Stop: 7824, Start Num: 5

Candidate Starts for Pakusa\_18:

(1, 7465), (3, 7555), (4, 7579), (5, 7627), (6, 7678), (7, 7690), (8, 7699), (9, 7732), (10, 7792), (11, 7810),

Gene: Toneprano\_18 Start: 7885, Stop: 8082, Start Num: 5

Candidate Starts for Toneprano\_18:

(1, 7723), (3, 7813), (4, 7837), (5, 7885), (6, 7936), (7, 7948), (8, 7957), (9, 7990), (10, 8050), (11, 8068),

Gene: Twin\_18 Start: 7885, Stop: 8082, Start Num: 5

Candidate Starts for Twin\_18:

(1, 7723), (3, 7813), (4, 7837), (5, 7885), (6, 7936), (7, 7948), (8, 7957), (9, 7990), (10, 8050), (11, 8068),