



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 15145 Report

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

Pham number 15145 has 8 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Gray_107, Alok_102, Schomber_108, Pakusa_103
- Track 2 : ChisanaKitsune_108
- Track 3 : Kabocha_111, Hanem_109
- Track 4 : Oogie_106

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ChisanaKitsune_108, Hanem_109, Kabocha_111,

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

- Alok_102, Gray_107, Oogie_106, Pakusa_103, Schomber_108,

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

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Summary by start number:

Start 1:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Alok_102 (DQ), Gray_107 (DQ), Oogie_106 (DQ), Pakusa_103 (DQ), Schomber_108 (DQ),

Start 2:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 37.5% of time when present
- Phage (with cluster) where this start called: ChisanaKitsune_108 (DQ), Hanem_109 (DQ), Kabocha_111 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 1 was manually annotated 2 times for cluster DQ.
- Start number 2 was manually annotated 3 times for cluster DQ.

Gene Information:

Gene: Alok_i_102 Start: 76437, Stop: 76697, Start Num: 1

Candidate Starts for Alok_i_102:

(Start: 1 @76437 has 2 MA's), (Start: 2 @76440 has 3 MA's), (3, 76467), (4, 76521), (5, 76587), (6, 76620),

Gene: ChisanaKitsune_108 Start: 76438, Stop: 76695, Start Num: 2

Candidate Starts for ChisanaKitsune_108:

(Start: 1 @76435 has 2 MA's), (Start: 2 @76438 has 3 MA's), (4, 76519), (6, 76618),

Gene: Gray_107 Start: 76710, Stop: 76970, Start Num: 1

Candidate Starts for Gray_107:

(Start: 1 @76710 has 2 MA's), (Start: 2 @76713 has 3 MA's), (3, 76740), (4, 76794), (5, 76860), (6, 76893),

Gene: Hanem_109 Start: 76440, Stop: 76697, Start Num: 2

Candidate Starts for Hanem_109:

(Start: 1 @76437 has 2 MA's), (Start: 2 @76440 has 3 MA's), (3, 76467), (4, 76521), (5, 76587), (6, 76620),

Gene: Kabocha_111 Start: 78383, Stop: 78640, Start Num: 2

Candidate Starts for Kabocha_111:

(Start: 1 @78380 has 2 MA's), (Start: 2 @78383 has 3 MA's), (3, 78410), (4, 78464), (5, 78530), (6, 78563),

Gene: Oogie_106 Start: 78375, Stop: 78635, Start Num: 1

Candidate Starts for Oogie_106:

(Start: 1 @78375 has 2 MA's), (Start: 2 @78378 has 3 MA's), (4, 78459), (6, 78558),

Gene: Pakusa_103 Start: 76175, Stop: 76435, Start Num: 1

Candidate Starts for Pakusa_103:

(Start: 1 @76175 has 2 MA's), (Start: 2 @76178 has 3 MA's), (3, 76205), (4, 76259), (5, 76325), (6, 76358),

Gene: Schomber_108 Start: 76768, Stop: 77028, Start Num: 1

Candidate Starts for Schomber_108:

(Start: 1 @76768 has 2 MA's), (Start: 2 @76771 has 3 MA's), (3, 76798), (4, 76852), (5, 76918), (6, 76951),