



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 87009 Report

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

Pham number 87009 has 17 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Klein_172, Squint_164, Superphikiman_167, ThreeRngTarjay_165, Ariel_169, Hannaconda_161, LittleE_176, Gonephishing_162, MiaZeal_172, Courthouse_166, EricMillard_166, Lucky2013_165, Porcelain_169, Omega_178, KashFlow_166, Bagrid_177, Wanda_166

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

The start number called the most often in the published annotations is 1, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ariel_169, Bagrid_177, Courthouse_166, EricMillard_166, Gonephishing_162, Hannaconda_161, KashFlow_166, Klein_172, LittleE_176, Lucky2013_165, MiaZeal_172, Omega_178, Porcelain_169, Squint_164, Superphikiman_167, ThreeRngTarjay_165, Wanda_166,

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

-

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

-

Summary by start number:

Start 1:

- Found in 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariel_169 (J), Bagrid_177 (J), Courthouse_166 (J), EricMillard_166 (J), Gonephishing_162 (J), Hannaconda_161 (J), KashFlow_166 (J), Klein_172 (J), LittleE_176 (J), Lucky2013_165 (J), MiaZeal_172 (J), Omega_178 (J), Porcelain_169 (J), Squint_164 (J), Superphikiman_167 (J), ThreeRngTarjay_165 (J), Wanda_166 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:

- Start number 1 was manually annotated 15 times for cluster J.

Gene Information:

Gene: Ariel_169 Start: 86868, Stop: 87119, Start Num: 1

Candidate Starts for Ariel_169:

(Start: 1 @86868 has 15 MA's), (2, 86883), (3, 87063),

Gene: Bagrid_177 Start: 92148, Stop: 92399, Start Num: 1

Candidate Starts for Bagrid_177:

(Start: 1 @92148 has 15 MA's), (2, 92163), (3, 92343),

Gene: Courthouse_166 Start: 87312, Stop: 87563, Start Num: 1

Candidate Starts for Courthouse_166:

(Start: 1 @87312 has 15 MA's), (2, 87327), (3, 87507),

Gene: EricMillard_166 Start: 90758, Stop: 91009, Start Num: 1

Candidate Starts for EricMillard_166:

(Start: 1 @90758 has 15 MA's), (2, 90773), (3, 90953),

Gene: Gonephishing_162 Start: 88129, Stop: 88380, Start Num: 1

Candidate Starts for Gonephishing_162:

(Start: 1 @88129 has 15 MA's), (2, 88144), (3, 88324),

Gene: Hannaconda_161 Start: 90050, Stop: 90301, Start Num: 1

Candidate Starts for Hannaconda_161:

(Start: 1 @90050 has 15 MA's), (2, 90065), (3, 90245),

Gene: KashFlow_166 Start: 89863, Stop: 90114, Start Num: 1

Candidate Starts for KashFlow_166:

(Start: 1 @89863 has 15 MA's), (2, 89878), (3, 90058),

Gene: Klein_172 Start: 89573, Stop: 89824, Start Num: 1

Candidate Starts for Klein_172:

(Start: 1 @89573 has 15 MA's), (2, 89588), (3, 89768),

Gene: LittleE_176 Start: 90886, Stop: 91137, Start Num: 1

Candidate Starts for LittleE_176:

(Start: 1 @90886 has 15 MA's), (2, 90901), (3, 91081),

Gene: Lucky2013_165 Start: 86383, Stop: 86634, Start Num: 1

Candidate Starts for Lucky2013_165:

(Start: 1 @86383 has 15 MA's), (2, 86398), (3, 86578),

Gene: MiaZeal_172 Start: 87530, Stop: 87781, Start Num: 1

Candidate Starts for MiaZeal_172:

(Start: 1 @87530 has 15 MA's), (2, 87545), (3, 87725),

Gene: Omega_178 Start: 92244, Stop: 92495, Start Num: 1

Candidate Starts for Omega_178:

(Start: 1 @92244 has 15 MA's), (2, 92259), (3, 92439),

Gene: Porcelain_169 Start: 87329, Stop: 87580, Start Num: 1

Candidate Starts for Porcelain_169:

(Start: 1 @87329 has 15 MA's), (2, 87344), (3, 87524),

Gene: Squint_164 Start: 87839, Stop: 88090, Start Num: 1

Candidate Starts for Squint_164:

(Start: 1 @87839 has 15 MA's), (2, 87854), (3, 88034),

Gene: Superphikiman_167 Start: 87008, Stop: 87259, Start Num: 1

Candidate Starts for Superphikiman_167:

(Start: 1 @87008 has 15 MA's), (2, 87023), (3, 87203),

Gene: ThreeRngTarjay_165 Start: 90631, Stop: 90882, Start Num: 1

Candidate Starts for ThreeRngTarjay_165:

(Start: 1 @90631 has 15 MA's), (2, 90646), (3, 90826),

Gene: Wanda_166 Start: 87222, Stop: 87473, Start Num: 1

Candidate Starts for Wanda_166:

(Start: 1 @87222 has 15 MA's), (2, 87237), (3, 87417),