



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 309481 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309481 has 16 members, 6 are drafts.

Phages represented in each track:

- Track 1 : BooTeria_114, DunneganBoMo_113, Emmetator_116, KSunshine22_118, Artu_115, WaddleDee_111, Ellewin_112
- Track 2 : ReginaGlobina_123, Atuin_118, LeoJr_124
- Track 3 : Chilliams_123
- Track 4 : Sunshine23_28
- Track 5 : Sonali_27
- Track 6 : Audell_5
- Track 7 : TripleC_5
- Track 8 : Agamotto_4

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

The start number called the most often in the published annotations is 4, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agamotto_4, Artu_115, Atuin_118, Audell_5, BooTeria_114, Chilliams_123, DunneganBoMo_113, Ellewin_112, Emmetator_116, KSunshine22_118, LeoJr_124, ReginaGlobina_123, TripleC_5, WaddleDee_111,

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:

- Sonali_27, Sunshine23_28,

Summary by start number:

Start 2:

- Found in 2 of 16 (12.5%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sonali_27 (FG), Sunshine23_28 (FG),

Start 4:

- Found in 14 of 16 (87.5%) of genes in pham
- Manual Annotations of this start: 8 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agamotto_4 (FR), Artu_115 (FC), Atuin_118 (FC), Audell_5 (FR), BooTeria_114 (FC), Chilliamps_123 (FC), DunneganBoMo_113 (FC), Ellewin_112 (FC), Emmetator_116 (FC), KSunshine22_118 (FC), LeoJr_124 (FC), ReginaGlobina_123 (FC), TripleC_5 (FR), WaddleDee_111 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: FR, FC, FG,

Info for manual annotations of cluster FC:

- Start number 4 was manually annotated 5 times for cluster FC.

Info for manual annotations of cluster FG:

- Start number 2 was manually annotated 2 times for cluster FG.

Info for manual annotations of cluster FR:

- Start number 4 was manually annotated 3 times for cluster FR.

Gene Information:

Gene: Agamotto_4 Start: 3929, Stop: 4114, Start Num: 4

Candidate Starts for Agamotto_4:

(Start: 4 @3929 has 8 MA's), (7, 4028),

Gene: Artu_115 Start: 91767, Stop: 91949, Start Num: 4

Candidate Starts for Artu_115:

(Start: 4 @91767 has 8 MA's), (8, 91869),

Gene: Atuin_118 Start: 94970, Stop: 95152, Start Num: 4

Candidate Starts for Atuin_118:

(Start: 4 @94970 has 8 MA's), (6, 95051), (9, 95093),

Gene: Audell_5 Start: 4202, Stop: 4387, Start Num: 4

Candidate Starts for Audell_5:

(1, 3896), (Start: 4 @4202 has 8 MA's),

Gene: BooTeria_114 Start: 91528, Stop: 91710, Start Num: 4

Candidate Starts for BooTeria_114:

(Start: 4 @91528 has 8 MA's), (8, 91630),

Gene: Chilliamps_123 Start: 85658, Stop: 85837, Start Num: 4

Candidate Starts for Chilliamps_123:

(Start: 4 @85658 has 8 MA's), (5, 85715), (8, 85760), (11, 85832),

Gene: DunneganBoMo_113 Start: 90797, Stop: 90979, Start Num: 4

Candidate Starts for DunneganBoMo_113:

(Start: 4 @90797 has 8 MA's), (8, 90899),

Gene: Ellewin_112 Start: 90215, Stop: 90397, Start Num: 4

Candidate Starts for Ellewin_112:

(Start: 4 @90215 has 8 MA's), (8, 90317),

Gene: Emmetator_116 Start: 90753, Stop: 90935, Start Num: 4

Candidate Starts for Emmetator_116:

(Start: 4 @90753 has 8 MA's), (8, 90855),

Gene: KSunshine22_118 Start: 92113, Stop: 92295, Start Num: 4

Candidate Starts for KSunshine22_118:

(Start: 4 @92113 has 8 MA's), (8, 92215),

Gene: LeoJr_124 Start: 95203, Stop: 95385, Start Num: 4

Candidate Starts for LeoJr_124:

(Start: 4 @95203 has 8 MA's), (6, 95284), (9, 95326),

Gene: ReginaGlobina_123 Start: 95252, Stop: 95434, Start Num: 4

Candidate Starts for ReginaGlobina_123:

(Start: 4 @95252 has 8 MA's), (6, 95333), (9, 95375),

Gene: Sonali_27 Start: 27717, Stop: 27908, Start Num: 2

Candidate Starts for Sonali_27:

(Start: 2 @27717 has 2 MA's), (3, 27723), (10, 27894), (12, 27903),

Gene: Sunshine23_28 Start: 27735, Stop: 27926, Start Num: 2

Candidate Starts for Sunshine23_28:

(Start: 2 @27735 has 2 MA's), (3, 27741), (10, 27912),

Gene: TripleC_5 Start: 4216, Stop: 4401, Start Num: 4

Candidate Starts for TripleC_5:

(Start: 4 @4216 has 8 MA's),

Gene: WaddleDee_111 Start: 89983, Stop: 90165, Start Num: 4

Candidate Starts for WaddleDee_111:

(Start: 4 @89983 has 8 MA's), (8, 90085),