

Pham 309778



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 309778 Report

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

Pham number 309778 has 10 members, 6 are drafts.

Phages represented in each track:

- Track 1 : WaddleDee_223
- Track 2 : DunneganBoMo_227, Emmetator_228
- Track 3 : Artu_225
- Track 4 : KSunshine22_231
- Track 5 : Panchaali_227
- Track 6 : ReginaGlobina_240
- Track 7 : LeoJr_238
- Track 8 : Atuin_230
- Track 9 : Laure_247

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu_225, DunneganBoMo_227, Emmetator_228, KSunshine22_231, Panchaali_227,

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

- WaddleDee_223,

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

- Atuin_230, Laure_247, LeoJr_238, ReginaGlobina_240,

Summary by start number:

Start 1:

- Found in 7 of 10 (70.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Laure_247 (UNK), WaddleDee_223 (FC),

Start 2:

- Found in 3 of 10 (30.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin_230 (FC), LeoJr_238 (FC), ReginaGlobina_240 (FC),

Start 3:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 83.3% of time when present
- Phage (with cluster) where this start called: Artu_225 (FC), DunneganBoMo_227 (FC), Emmetator_228 (FC), KSunshine22_231 (FC), Panchaali_227 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, FC,

Info for manual annotations of cluster FC:

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

Gene Information:

Gene: Artu_225 Start: 156445, Stop: 156939, Start Num: 3

Candidate Starts for Artu_225:

(Start: 1 @156430 has 1 MA's), (Start: 3 @156445 has 2 MA's), (8, 156583), (9, 156598), (17, 156736), (18, 156742), (22, 156847), (25, 156913),

Gene: Atuin_230 Start: 153698, Stop: 154207, Start Num: 2

Candidate Starts for Atuin_230:

(Start: 2 @153698 has 1 MA's), (14, 153959), (15, 153980), (16, 153983), (18, 154010), (19, 154043), (21, 154112), (22, 154115), (23, 154130), (24, 154169),

Gene: DunneganBoMo_227 Start: 155778, Stop: 156266, Start Num: 3

Candidate Starts for DunneganBoMo_227:

(Start: 1 @155763 has 1 MA's), (Start: 3 @155778 has 2 MA's), (4, 155844), (8, 155916), (17, 156069), (18, 156075), (22, 156180), (25, 156246),

Gene: Emmetator_228 Start: 154918, Stop: 155412, Start Num: 3

Candidate Starts for Emmetator_228:

(Start: 1 @154903 has 1 MA's), (Start: 3 @154918 has 2 MA's), (4, 154984), (8, 155056), (17, 155209), (18, 155215), (22, 155320), (25, 155386),

Gene: KSunshine22_231 Start: 154450, Stop: 154944, Start Num: 3

Candidate Starts for KSunshine22_231:

(Start: 1 @154435 has 1 MA's), (Start: 3 @154450 has 2 MA's), (8, 154588), (17, 154741), (18, 154747), (22, 154852), (25, 154918),

Gene: Laure_247 Start: 144425, Stop: 144943, Start Num: 1

Candidate Starts for Laure_247:

(Start: 1 @144425 has 1 MA's), (5, 144527), (7, 144545), (11, 144617), (12, 144635), (13, 144662), (17, 144737), (20, 144812), (23, 144863), (25, 144917),

Gene: LeoJr_238 Start: 153157, Stop: 153666, Start Num: 2

Candidate Starts for LeoJr_238:

(Start: 2 @153157 has 1 MA's), (14, 153418), (15, 153439), (16, 153442), (18, 153469), (19, 153502), (22, 153574), (23, 153589), (24, 153628),

Gene: Panchaali_227 Start: 156481, Stop: 156972, Start Num: 3

Candidate Starts for Panchaali_227:

(Start: 1 @156466 has 1 MA's), (Start: 3 @156481 has 2 MA's), (6, 156580), (8, 156619), (10, 156637), (17, 156772), (18, 156778), (22, 156883), (25, 156949), (26, 156955),

Gene: ReginaGlobina_240 Start: 154443, Stop: 154952, Start Num: 2

Candidate Starts for ReginaGlobina_240:

(Start: 2 @154443 has 1 MA's), (14, 154704), (15, 154725), (16, 154728), (18, 154755), (21, 154857), (22, 154860), (23, 154875),

Gene: WaddleDee_223 Start: 154588, Stop: 155091, Start Num: 1

Candidate Starts for WaddleDee_223:

(Start: 1 @154588 has 1 MA's), (Start: 3 @154603 has 2 MA's), (4, 154669), (8, 154741), (17, 154894), (18, 154900), (22, 155005), (25, 155071),