

Pham 276674



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 276674 Report

This analysis was run 02/07/26 on database version 634.

Pham number 276674 has 16 members, 12 are drafts.

Phages represented in each track:

- Track 1 : BooTeria_221, WaddleDee_208, DunneganBoMo_213, Emmetator_214
- Track 2 : Ellewin_218
- Track 3 : KSunshine22_217, Artu_212
- Track 4 : Chilliams_221
- Track 5 : LeoJr_222, Atuin_212, ReginaGlobina_224
- Track 6 : Stewart25555_215
- Track 7 : Panchaali_223
- Track 8 : Rockabye_223
- Track 9 : SJReid_228
- Track 10 : Laure_225

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

The start number called the most often in the published annotations is 11, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu_212, BooTeria_221, DunneganBoMo_213, Ellewin_218, Emmetator_214, KSunshine22_217, WaddleDee_208,

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:

- Atuin_212, Chilliams_221, Laure_225, LeoJr_222, Panchaali_223, ReginaGlobina_224, Rockabye_223, SJReid_228, Stewart25555_215,

Summary by start number:

Start 7:

- Found in 9 of 16 (56.2%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Atuin_212 (FC), Chilliamps_221 (FC), Laure_225 (UNK), LeoJr_222 (FC), Panchaali_223 (FC), ReginaGlobina_224 (FC), Rockabye_223 (FC), SJReid_228 (FC), Stewart25555_215 (FC),

Start 11:

- Found in 7 of 16 (43.8%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artu_212 (FC), BooTeria_221 (FC), DunneganBoMo_213 (FC), Ellewin_218 (FC), Emmetator_214 (FC), KSunshine22_217 (FC), WaddleDee_208 (FC),

Summary by clusters:

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

Info for manual annotations of cluster FC:

- Start number 7 was manually annotated 2 times for cluster FC.
- Start number 11 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Artu_212 Start: 151792, Stop: 152085, Start Num: 11

Candidate Starts for Artu_212:

(4, 151702), (Start: 11 @151792 has 2 MA's), (12, 151801), (22, 151954),

Gene: Atuin_212 Start: 146009, Stop: 146299, Start Num: 7

Candidate Starts for Atuin_212:

(Start: 7 @146009 has 2 MA's), (8, 146018), (13, 146075), (24, 146186), (25, 146201), (26, 146273),

Gene: BooTeria_221 Start: 151532, Stop: 151825, Start Num: 11

Candidate Starts for BooTeria_221:

(4, 151442), (Start: 11 @151532 has 2 MA's), (12, 151541), (22, 151694),

Gene: Chilliamps_221 Start: 144735, Stop: 145004, Start Num: 7

Candidate Starts for Chilliamps_221:

(Start: 7 @144735 has 2 MA's), (8, 144744), (9, 144756), (10, 144762), (16, 144843), (19, 144864), (26, 144978),

Gene: DunneganBoMo_213 Start: 150996, Stop: 151289, Start Num: 11

Candidate Starts for DunneganBoMo_213:

(4, 150906), (Start: 11 @150996 has 2 MA's), (12, 151005), (22, 151158),

Gene: Ellewin_218 Start: 150269, Stop: 150562, Start Num: 11

Candidate Starts for Ellewin_218:

(4, 150179), (Start: 11 @150269 has 2 MA's), (12, 150278), (17, 150389), (22, 150431),

Gene: Emmetator_214 Start: 150162, Stop: 150455, Start Num: 11

Candidate Starts for Emmetator_214:

(4, 150072), (Start: 11 @150162 has 2 MA's), (12, 150171), (22, 150324),

Gene: KSunshine22_217 Start: 149681, Stop: 149974, Start Num: 11
Candidate Starts for KSunshine22_217:
(4, 149591), (Start: 11 @149681 has 2 MA's), (12, 149690), (22, 149843),

Gene: Laure_225 Start: 137132, Stop: 137443, Start Num: 7
Candidate Starts for Laure_225:
(2, 137033), (3, 137060), (5, 137075), (Start: 7 @137132 has 2 MA's), (8, 137141), (15, 137234), (16, 137246), (18, 137267), (23, 137309),

Gene: LeoJr_222 Start: 146181, Stop: 146465, Start Num: 7
Candidate Starts for LeoJr_222:
(Start: 7 @146181 has 2 MA's), (8, 146190), (13, 146247), (24, 146358), (25, 146373), (26, 146445),

Gene: Panchaali_223 Start: 151593, Stop: 151862, Start Num: 7
Candidate Starts for Panchaali_223:
(Start: 7 @151593 has 2 MA's), (8, 151602), (9, 151614), (14, 151680), (20, 151728), (21, 151740),

Gene: ReginaGlobina_224 Start: 147466, Stop: 147750, Start Num: 7
Candidate Starts for ReginaGlobina_224:
(Start: 7 @147466 has 2 MA's), (8, 147475), (13, 147532), (24, 147643), (25, 147658), (26, 147730),

Gene: Rockabye_223 Start: 143176, Stop: 143445, Start Num: 7
Candidate Starts for Rockabye_223:
(Start: 7 @143176 has 2 MA's), (8, 143185), (9, 143197), (19, 143305),

Gene: SJReid_228 Start: 142654, Stop: 142956, Start Num: 7
Candidate Starts for SJReid_228:
(1, 142540), (6, 142600), (Start: 7 @142654 has 2 MA's), (8, 142663), (17, 142792), (26, 142939),

Gene: Stewart25555_215 Start: 149236, Stop: 149541, Start Num: 7
Candidate Starts for Stewart25555_215:
(Start: 7 @149236 has 2 MA's), (8, 149245), (16, 149371), (19, 149398), (26, 149515),

Gene: WaddleDee_208 Start: 149457, Stop: 149750, Start Num: 11
Candidate Starts for WaddleDee_208:
(4, 149367), (Start: 11 @149457 has 2 MA's), (12, 149466), (22, 149619),