

Pham 309411



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 309411 Report

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

Pham number 309411 has 17 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Talia1610_281
- Track 2 : GoldenEssence_275, FloraSnap32_279
- Track 3 : Ellewin_288
- Track 4 : BooTeria_285, WaddleDee_287, Emmetator_290
- Track 5 : FrostedClock_281
- Track 6 : KSunshine22_289
- Track 7 : Bloom_283
- Track 8 : Artu_283
- Track 9 : Phrampa_278
- Track 10 : Patbob_281, Racecar_284
- Track 11 : Panchaali_283
- Track 12 : Mimi_280
- Track 13 : DunneganBoMo_291

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

The start number called the most often in the published annotations is 17, it was called in 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu_283, BooTeria_285, DunneganBoMo_291, Ellewin_288, Emmetator_290, KSunshine22_289, Panchaali_283, WaddleDee_287,

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:

- Bloom_283, FloraSnap32_279, FrostedClock_281, GoldenEssence_275, Mimi_280, Patbob_281, Phrampa_278, Racecar_284, Talia1610_281,

Summary by start number:

Start 2:

- Found in 5 of 17 (29.4%) of genes in pham

- Manual Annotations of this start: 4 of 11
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Mimi_280 (FC), Patbob_281 (FC), Racecar_284 (FC), Talia1610_281 (FC),

Start 3:

- Found in 4 of 17 (23.5%) of genes in pham
- Manual Annotations of this start: 2 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FloraSnap32_279 (FC), FrostedClock_281 (FC), GoldenEssence_275 (FC), Phrampa_278 (FC),

Start 5:

- Found in 9 of 17 (52.9%) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Bloom_283 (FC),

Start 17:

- Found in 8 of 17 (47.1%) of genes in pham
- Manual Annotations of this start: 5 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artu_283 (FC), BooTeria_285 (FC), DunneganBoMo_291 (FC), Ellewin_288 (FC), Emmetator_290 (FC), KSunshine22_289 (FC), Panchaali_283 (FC), WaddleDee_287 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 2 was manually annotated 4 times for cluster FC.
- Start number 3 was manually annotated 2 times for cluster FC.
- Start number 17 was manually annotated 5 times for cluster FC.

Gene Information:

Gene: Artu_283 Start: 177200, Stop: 177688, Start Num: 17

Candidate Starts for Artu_283:

(Start: 17 @177200 has 5 MA's), (21, 177290), (24, 177332), (36, 177566), (43, 177668), (44, 177671),

Gene: Bloom_283 Start: 171563, Stop: 172210, Start Num: 5

Candidate Starts for Bloom_283:

(Start: 2 @171509 has 4 MA's), (4, 171557), (5, 171563), (6, 171617), (7, 171620), (16, 171719), (18, 171752), (19, 171782), (23, 171830), (27, 171872), (29, 171881), (30, 171890), (31, 171962), (33, 172034), (35, 172091), (37, 172130), (39, 172181), (41, 172187), (42, 172190),

Gene: BooTeria_285 Start: 177050, Stop: 177541, Start Num: 17

Candidate Starts for BooTeria_285:

(Start: 17 @177050 has 5 MA's), (19, 177110), (21, 177143), (22, 177146), (26, 177197), (36, 177419), (43, 177521),

Gene: DunneganBoMo_291 Start: 177553, Stop: 178044, Start Num: 17

Candidate Starts for DunneganBoMo_291:

(Start: 17 @177553 has 5 MA's), (19, 177613), (21, 177646), (22, 177649), (26, 177700), (36, 177922), (43, 178024), (44, 178027),

Gene: Ellewin_288 Start: 176956, Stop: 177444, Start Num: 17

Candidate Starts for Ellewin_288:

(Start: 17 @176956 has 5 MA's), (18, 176977), (21, 177046), (24, 177088), (36, 177322), (43, 177424), (44, 177427),

Gene: Emmetator_290 Start: 176441, Stop: 176932, Start Num: 17

Candidate Starts for Emmetator_290:

(Start: 17 @176441 has 5 MA's), (19, 176501), (21, 176534), (22, 176537), (26, 176588), (36, 176810), (43, 176912),

Gene: FloraSnap32_279 Start: 172099, Stop: 172773, Start Num: 3

Candidate Starts for FloraSnap32_279:

(1, 172060), (Start: 3 @172099 has 2 MA's), (5, 172126), (7, 172180), (12, 172225), (16, 172279), (18, 172312), (19, 172342), (23, 172393), (25, 172426), (27, 172435), (29, 172444), (30, 172453), (31, 172525), (33, 172597), (34, 172642), (35, 172654), (39, 172744), (40, 172747), (42, 172753),

Gene: FrostedClock_281 Start: 171862, Stop: 172533, Start Num: 3

Candidate Starts for FrostedClock_281:

(1, 171823), (Start: 3 @171862 has 2 MA's), (5, 171889), (7, 171943), (12, 171988), (16, 172042), (18, 172075), (19, 172105), (23, 172153), (27, 172195), (29, 172204), (30, 172213), (31, 172285), (33, 172357), (35, 172414), (39, 172504), (40, 172507), (42, 172513),

Gene: GoldenEssence_275 Start: 168550, Stop: 169224, Start Num: 3

Candidate Starts for GoldenEssence_275:

(1, 168511), (Start: 3 @168550 has 2 MA's), (5, 168577), (7, 168631), (12, 168676), (16, 168730), (18, 168763), (19, 168793), (23, 168844), (25, 168877), (27, 168886), (29, 168895), (30, 168904), (31, 168976), (33, 169048), (34, 169093), (35, 169105), (39, 169195), (40, 169198), (42, 169204),

Gene: KSunshine22_289 Start: 175610, Stop: 176101, Start Num: 17

Candidate Starts for KSunshine22_289:

(Start: 17 @175610 has 5 MA's), (19, 175670), (21, 175703), (22, 175706), (26, 175757), (36, 175979), (38, 176021), (43, 176081), (44, 176084),

Gene: Mimi_280 Start: 170802, Stop: 171503, Start Num: 2

Candidate Starts for Mimi_280:

(Start: 2 @170802 has 4 MA's), (4, 170850), (5, 170856), (6, 170910), (7, 170913), (16, 171012), (18, 171045), (19, 171075), (23, 171123), (27, 171165), (29, 171174), (30, 171183), (31, 171255), (33, 171327), (34, 171372), (35, 171384), (39, 171474), (40, 171477), (41, 171480), (42, 171483),

Gene: Panchaali_283 Start: 177161, Stop: 177649, Start Num: 17

Candidate Starts for Panchaali_283:

(8, 177068), (Start: 17 @177161 has 5 MA's), (21, 177251), (24, 177293), (32, 177431), (36, 177527), (43, 177629),

Gene: Patbob_281 Start: 173493, Stop: 174194, Start Num: 2

Candidate Starts for Patbob_281:

(Start: 2 @173493 has 4 MA's), (4, 173541), (5, 173547), (6, 173601), (7, 173604), (16, 173703), (18, 173736), (19, 173766), (23, 173814), (27, 173856), (29, 173865), (30, 173874), (31, 173946), (33, 174018), (35, 174075), (37, 174114), (39, 174165), (41, 174171), (42, 174174),

Gene: Phrampa_278 Start: 174274, Stop: 174948, Start Num: 3

Candidate Starts for Phrampa_278:

(1, 174235), (Start: 3 @174274 has 2 MA's), (5, 174301), (9, 174385), (10, 174394), (11, 174397), (13, 174403), (14, 174415), (15, 174436), (16, 174454), (20, 174523), (28, 174616), (31, 174700), (34, 174817), (35, 174829), (39, 174919), (42, 174928),

Gene: Racecar_284 Start: 171743, Stop: 172444, Start Num: 2

Candidate Starts for Racecar_284:

(Start: 2 @171743 has 4 MA's), (4, 171791), (5, 171797), (6, 171851), (7, 171854), (16, 171953), (18, 171986), (19, 172016), (23, 172064), (27, 172106), (29, 172115), (30, 172124), (31, 172196), (33, 172268), (35, 172325), (37, 172364), (39, 172415), (41, 172421), (42, 172424),

Gene: Talia1610_281 Start: 172611, Stop: 173312, Start Num: 2

Candidate Starts for Talia1610_281:

(Start: 2 @172611 has 4 MA's), (4, 172659), (5, 172665), (6, 172719), (7, 172722), (16, 172821), (18, 172854), (19, 172884), (23, 172932), (27, 172974), (29, 172983), (30, 172992), (31, 173064), (33, 173136), (34, 173181), (35, 173193), (39, 173283), (40, 173286), (42, 173292),

Gene: WaddleDee_287 Start: 176336, Stop: 176827, Start Num: 17

Candidate Starts for WaddleDee_287:

(Start: 17 @176336 has 5 MA's), (19, 176396), (21, 176429), (22, 176432), (26, 176483), (36, 176705), (43, 176807),