

Pham 224894



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 224894 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224894 has 21 members, 17 are drafts.

Phages represented in each track:

- Track 1 : Atuin_251
- Track 2 : Bloom_241, Racecar_239, GoldenEssence_226, Mimi_237, Talia1610_239, Patbob_237
- Track 3 : Panchaali_265
- Track 4 : Phrampa_256
- Track 5 : DunneganBoMo_260, WaddleDee_261
- Track 6 : Phrampa_231
- Track 7 : Ellewin_261
- Track 8 : LeoJr_261
- Track 9 : Chilliams_269
- Track 10 : KSunshine22_257
- Track 11 : ReginaGlobina_263
- Track 12 : SJReid_294
- Track 13 : SJReid_293
- Track 14 : Panchaali_280
- Track 15 : Rockabye_275

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

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

Genes that call this "Most Annotated" start:

- Bloom_241, GoldenEssence_226, Mimi_237, Patbob_237, Phrampa_231, Racecar_239, Talia1610_239,

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

- Rockabye_275,

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

- Atuin_251, Chilliams_269, DunneganBoMo_260, Ellewin_261, KSunshine22_257, LeoJr_261, Panchaali_265, Panchaali_280, Phrampa_256, ReginaGlobina_263, SJReid_293, SJReid_294, WaddleDee_261,

Summary by start number:

Start 1:

- Found in 1 of 21 (4.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rockabye_275 (FC),

Start 2:

- Found in 8 of 21 (38.1%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Bloom_241 (FC), GoldenEssence_226 (FC), Mimi_237 (FC), Patbob_237 (FC), Phrampa_231 (FC), Racecar_239 (FC), Talia1610_239 (FC),

Start 3:

- Found in 2 of 21 (9.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Panchaali_280 (FC), SJReid_293 (FC),

Start 4:

- Found in 10 of 21 (47.6%) 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_251 (FC), DunneganBoMo_260 (FC), Ellewin_261 (FC), KSunshine22_257 (FC), LeoJr_261 (FC), Panchaali_265 (FC), Phrampa_256 (FC), ReginaGlobina_263 (FC), SJReid_294 (FC), WaddleDee_261 (FC),

Start 5:

- Found in 2 of 21 (9.5%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Chilliams_269 (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 3 times for cluster FC.
- Start number 4 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Atuin_251 Start: 160201, Stop: 160764, Start Num: 4

Candidate Starts for Atuin_251:

(Start: 4 @160201 has 1 MA's), (6, 160228), (9, 160255), (15, 160330), (33, 160480), (39, 160597),

Gene: Bloom_241 Start: 155102, Stop: 155584, Start Num: 2
Candidate Starts for Bloom_241:
(Start: 2 @155102 has 3 MA's), (10, 155192), (15, 155231), (24, 155309), (46, 155507),

Gene: Chilliams_269 Start: 162893, Stop: 163402, Start Num: 5
Candidate Starts for Chilliams_269:
(5, 162893), (10, 162974), (19, 163049), (20, 163070), (32, 163160), (50, 163367),

Gene: DunneganBoMo_260 Start: 164781, Stop: 165308, Start Num: 4
Candidate Starts for DunneganBoMo_260:
(Start: 4 @164781 has 1 MA's), (6, 164805), (18, 164925), (21, 164967), (35, 165072), (50, 165258),

Gene: Ellewin_261 Start: 165533, Stop: 166063, Start Num: 4
Candidate Starts for Ellewin_261:
(Start: 4 @165533 has 1 MA's), (6, 165557), (14, 165656), (35, 165827), (50, 166013),

Gene: GoldenEssence_226 Start: 149079, Stop: 149561, Start Num: 2
Candidate Starts for GoldenEssence_226:
(Start: 2 @149079 has 3 MA's), (10, 149169), (15, 149208), (24, 149286), (46, 149484),

Gene: KSunshine22_257 Start: 164108, Stop: 164641, Start Num: 4
Candidate Starts for KSunshine22_257:
(Start: 4 @164108 has 1 MA's), (6, 164132), (21, 164294), (34, 164387),

Gene: LeoJr_261 Start: 159582, Stop: 160151, Start Num: 4
Candidate Starts for LeoJr_261:
(Start: 4 @159582 has 1 MA's), (6, 159609), (15, 159717), (39, 159984),

Gene: Mimi_237 Start: 154477, Stop: 154959, Start Num: 2
Candidate Starts for Mimi_237:
(Start: 2 @154477 has 3 MA's), (10, 154567), (15, 154606), (24, 154684), (46, 154882),

Gene: Panchaali_265 Start: 165838, Stop: 166365, Start Num: 4
Candidate Starts for Panchaali_265:
(Start: 4 @165838 has 1 MA's), (6, 165862), (21, 166024), (25, 166039), (38, 166201), (40, 166219),
(50, 166315),

Gene: Panchaali_280 Start: 170896, Stop: 171408, Start Num: 3
Candidate Starts for Panchaali_280:
(3, 170896), (10, 170983), (27, 171121), (28, 171124), (30, 171148), (41, 171286), (42, 171304), (45,
171319), (47, 171343), (48, 171346),

Gene: Patbob_237 Start: 154874, Stop: 155356, Start Num: 2
Candidate Starts for Patbob_237:
(Start: 2 @154874 has 3 MA's), (10, 154964), (15, 155003), (24, 155081), (46, 155279),

Gene: Phrampa_256 Start: 165233, Stop: 165772, Start Num: 4
Candidate Starts for Phrampa_256:
(Start: 4 @165233 has 1 MA's), (8, 165275), (13, 165344), (23, 165425), (25, 165434), (36, 165569),
(40, 165626), (50, 165722),

Gene: Phrampa_231 Start: 155986, Stop: 156474, Start Num: 2
Candidate Starts for Phrampa_231:

(Start: 2 @155986 has 3 MA's), (17, 156136), (43, 156379), (46, 156394), (49, 156424),

Gene: Racecar_239 Start: 154856, Stop: 155338, Start Num: 2

Candidate Starts for Racecar_239:

(Start: 2 @154856 has 3 MA's), (10, 154946), (15, 154985), (24, 155063), (46, 155261),

Gene: ReginaGlobina_263 Start: 160788, Stop: 161357, Start Num: 4

Candidate Starts for ReginaGlobina_263:

(Start: 4 @160788 has 1 MA's), (6, 160815), (15, 160923), (33, 161073), (44, 161250),

Gene: Rockabye_275 Start: 162884, Stop: 163408, Start Num: 1

Candidate Starts for Rockabye_275:

(1, 162884), (Start: 2 @162893 has 3 MA's), (5, 162905), (12, 163010), (13, 163016), (32, 163163), (50, 163373),

Gene: SJReid_294 Start: 165814, Stop: 166293, Start Num: 4

Candidate Starts for SJReid_294:

(Start: 4 @165814 has 1 MA's), (11, 165898), (16, 165952), (19, 165970), (20, 165991), (29, 166030), (37, 166153),

Gene: SJReid_293 Start: 165299, Stop: 165817, Start Num: 3

Candidate Starts for SJReid_293:

(3, 165299), (7, 165344), (15, 165419), (22, 165479), (26, 165500), (31, 165548), (49, 165767),

Gene: Talia1610_239 Start: 154886, Stop: 155368, Start Num: 2

Candidate Starts for Talia1610_239:

(Start: 2 @154886 has 3 MA's), (10, 154976), (15, 155015), (24, 155093), (46, 155291),

Gene: WaddleDee_261 Start: 164314, Stop: 164841, Start Num: 4

Candidate Starts for WaddleDee_261:

(Start: 4 @164314 has 1 MA's), (6, 164338), (18, 164458), (21, 164500), (35, 164605), (50, 164791),