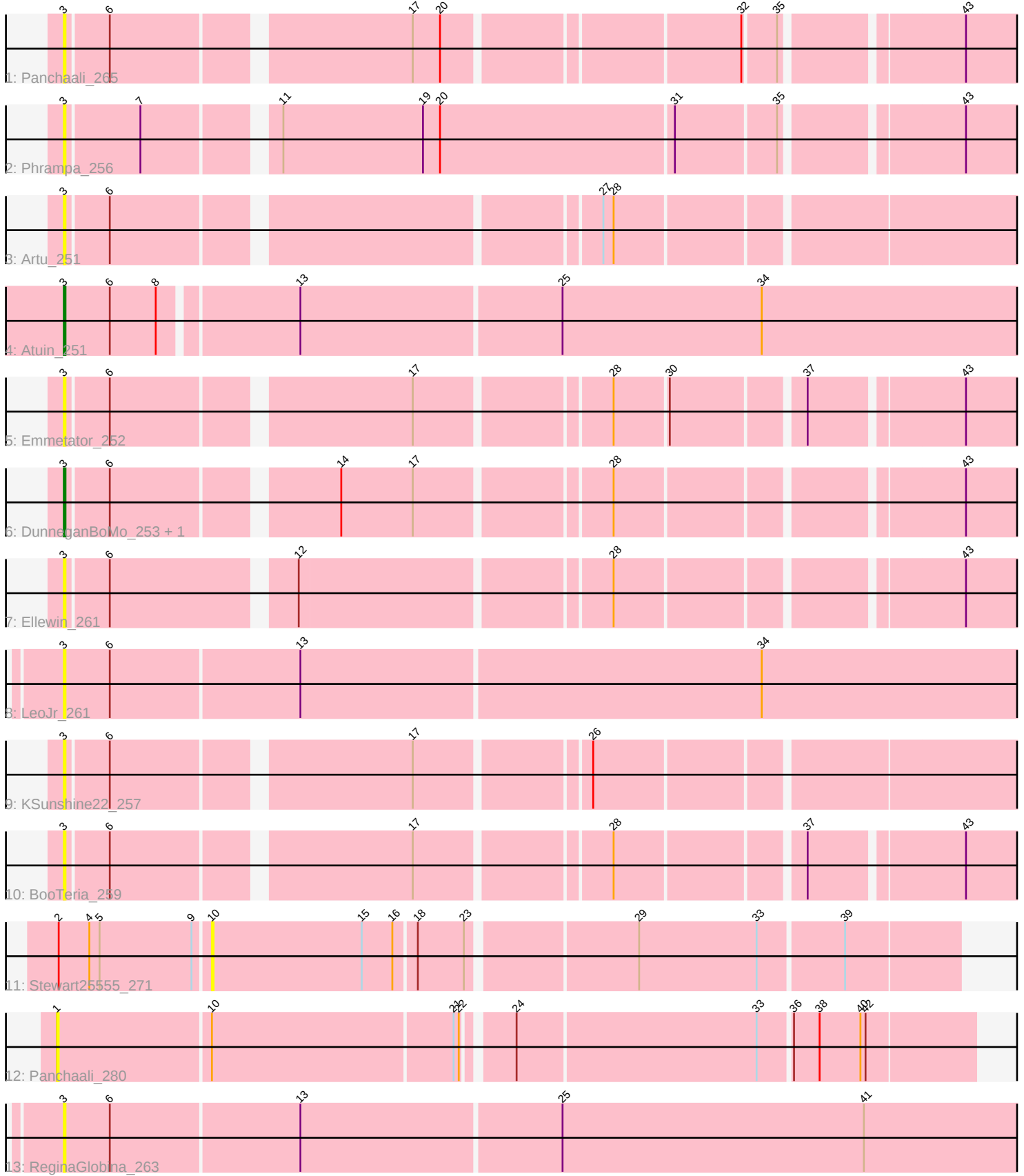


Pham 278736



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 278736 Report

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

Pham number 278736 has 14 members, 11 are drafts.

Phages represented in each track:

- Track 1 : Panchaali_265
- Track 2 : Phrampa_256
- Track 3 : Artu_251
- Track 4 : Atuin_251
- Track 5 : Emmetator_252
- Track 6 : DunneganBoMo_253, WaddleDee_251
- Track 7 : Ellewin_261
- Track 8 : LeoJr_261
- Track 9 : KSunshine22_257
- Track 10 : BooTeria_259
- Track 11 : Stewart25555_271
- Track 12 : Panchaali_280
- Track 13 : ReginaGlobina_263

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 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu_251, Atuin_251, BooTeria_259, DunneganBoMo_253, Ellewin_261, Emmetator_252, KSunshine22_257, LeoJr_261, Panchaali_265, Phrampa_256, ReginaGlobina_263, WaddleDee_251,

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

-

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

- Panchaali_280, Stewart25555_271,

Summary by start number:

Start 1:

- Found in 1 of 14 (7.1%) 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),

Start 3:

- Found in 12 of 14 (85.7%) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artu_251 (FC), Atuin_251 (FC), BooTeria_259 (FC), DunneganBoMo_253 (FC), Ellewin_261 (FC), Emmetator_252 (FC), KSunshine22_257 (FC), LeoJr_261 (FC), Panchaali_265 (FC), Phrampa_256 (FC), ReginaGlobina_263 (FC), WaddleDee_251 (FC),

Start 10:

- Found in 2 of 14 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Stewart25555_271 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

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

Gene Information:

Gene: Artu_251 Start: 166105, Stop: 166638, Start Num: 3

Candidate Starts for Artu_251:

(Start: 3 @166105 has 3 MA's), (6, 166129), (27, 166390), (28, 166396),

Gene: Atuin_251 Start: 160201, Stop: 160764, Start Num: 3

Candidate Starts for Atuin_251:

(Start: 3 @160201 has 3 MA's), (6, 160228), (8, 160255), (13, 160330), (25, 160480), (34, 160597),

Gene: BooTeria_259 Start: 164825, Stop: 165352, Start Num: 3

Candidate Starts for BooTeria_259:

(Start: 3 @164825 has 3 MA's), (6, 164849), (17, 165011), (28, 165116), (37, 165218), (43, 165302),

Gene: DunneganBoMo_253 Start: 164781, Stop: 165308, Start Num: 3

Candidate Starts for DunneganBoMo_253:

(Start: 3 @164781 has 3 MA's), (6, 164805), (14, 164925), (17, 164967), (28, 165072), (43, 165258),

Gene: Ellewin_261 Start: 165533, Stop: 166063, Start Num: 3

Candidate Starts for Ellewin_261:

(Start: 3 @165533 has 3 MA's), (6, 165557), (12, 165656), (28, 165827), (43, 166013),

Gene: Emmetator_252 Start: 163707, Stop: 164234, Start Num: 3

Candidate Starts for Emmetator_252:

(Start: 3 @163707 has 3 MA's), (6, 163731), (17, 163893), (28, 163998), (30, 164028), (37, 164100), (43, 164184),

Gene: KSunshine22_257 Start: 164108, Stop: 164641, Start Num: 3

Candidate Starts for KSunshine22_257:

(Start: 3 @164108 has 3 MA's), (6, 164132), (17, 164294), (26, 164387),

Gene: LeoJr_261 Start: 159582, Stop: 160151, Start Num: 3

Candidate Starts for LeoJr_261:

(Start: 3 @159582 has 3 MA's), (6, 159609), (13, 159717), (34, 159984),

Gene: Panchaali_265 Start: 165838, Stop: 166365, Start Num: 3

Candidate Starts for Panchaali_265:

(Start: 3 @165838 has 3 MA's), (6, 165862), (17, 166024), (20, 166039), (32, 166201), (35, 166219), (43, 166315),

Gene: Panchaali_280 Start: 170896, Stop: 171408, Start Num: 1

Candidate Starts for Panchaali_280:

(1, 170896), (10, 170983), (21, 171121), (22, 171124), (24, 171148), (33, 171286), (36, 171304), (38, 171319), (40, 171343), (42, 171346),

Gene: Phrampa_256 Start: 165233, Stop: 165772, Start Num: 3

Candidate Starts for Phrampa_256:

(Start: 3 @165233 has 3 MA's), (7, 165275), (11, 165344), (19, 165425), (20, 165434), (31, 165569), (35, 165626), (43, 165722),

Gene: ReginaGlobina_263 Start: 160788, Stop: 161357, Start Num: 3

Candidate Starts for ReginaGlobina_263:

(Start: 3 @160788 has 3 MA's), (6, 160815), (13, 160923), (25, 161073), (41, 161250),

Gene: Stewart25555_271 Start: 170304, Stop: 170723, Start Num: 10

Candidate Starts for Stewart25555_271:

(2, 170217), (4, 170235), (5, 170241), (9, 170295), (10, 170304), (15, 170391), (16, 170409), (18, 170421), (23, 170448), (29, 170541), (33, 170610), (39, 170658),

Gene: WaddleDee_251 Start: 164314, Stop: 164841, Start Num: 3

Candidate Starts for WaddleDee_251:

(Start: 3 @164314 has 3 MA's), (6, 164338), (14, 164458), (17, 164500), (28, 164605), (43, 164791),