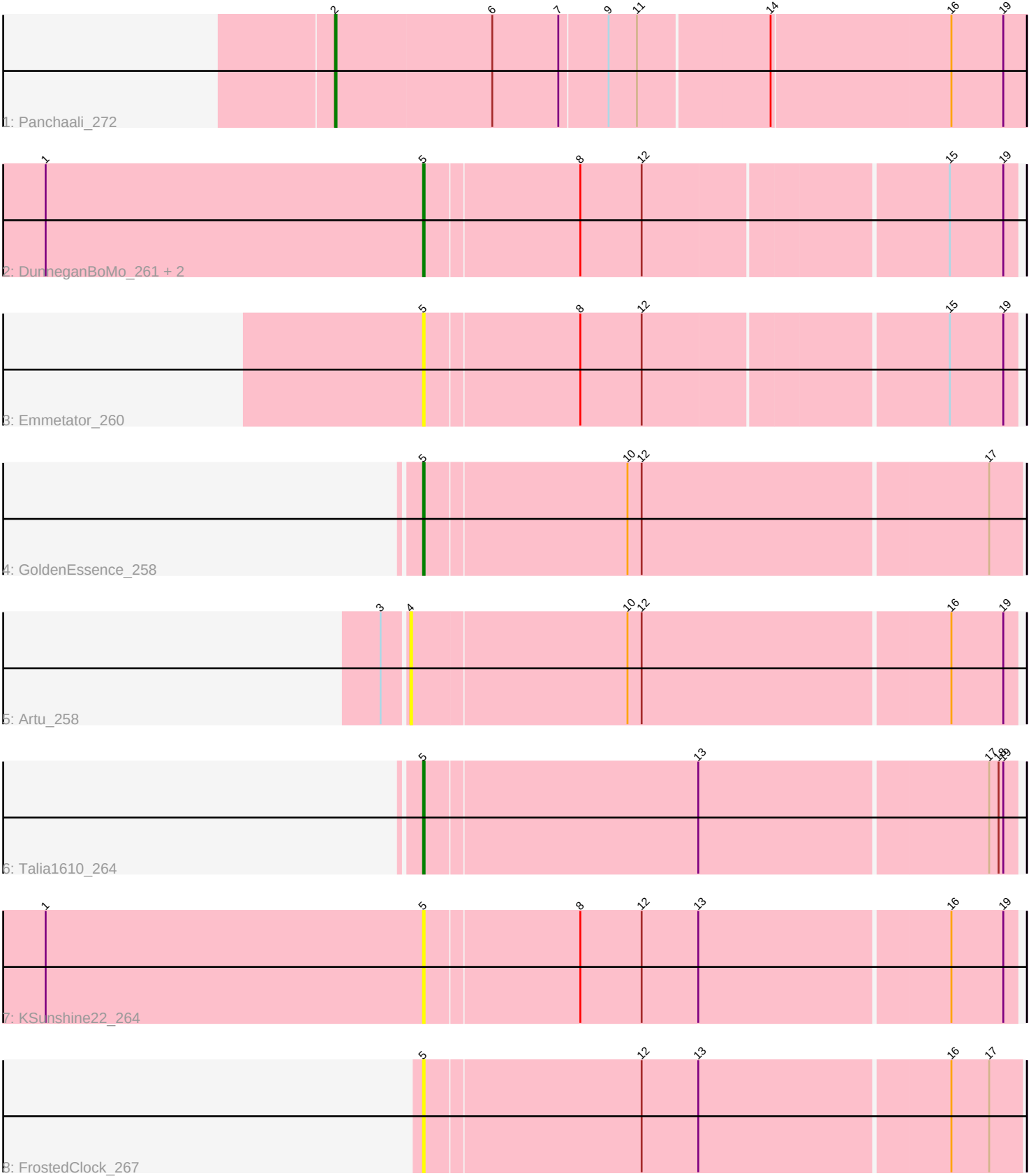


Pham 318218



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 318218 Report

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

Pham number 318218 has 10 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Panchaali_272
- Track 2 : DunneganBoMo_261, WaddleDee_259, BooTeria_257
- Track 3 : Emmetator_260
- Track 4 : GoldenEssence_258
- Track 5 : Artu_258
- Track 6 : Talia1610_264
- Track 7 : KSunshine22_264
- Track 8 : FrostedClock_267

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BooTeria_257, DunneganBoMo_261, Emmetator_260, FrostedClock_267, GoldenEssence_258, KSunshine22_264, Talia1610_264, WaddleDee_259,

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

-

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

- Artu_258, Panchaali_272,

Summary by start number:

Start 2:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Panchaali_272 (FC),

Start 4:

- Found in 1 of 10 (10.0%) of genes in pham

- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artu_258 (FC),

Start 5:

- Found in 8 of 10 (80.0%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BooTeria_257 (FC),
DunneganBoMo_261 (FC), Emmetator_260 (FC), FrostedClock_267 (FC),
GoldenEssence_258 (FC), KSunshine22_264 (FC), Talia1610_264 (FC),
WaddleDee_259 (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 1 time for cluster FC.
- Start number 5 was manually annotated 5 times for cluster FC.

Gene Information:

Gene: Artu_258 Start: 168335, Stop: 168712, Start Num: 4

Candidate Starts for Artu_258:

(3, 168320), (4, 168335), (10, 168470), (12, 168479), (16, 168671), (19, 168704),

Gene: BooTeria_257 Start: 167569, Stop: 167931, Start Num: 5

Candidate Starts for BooTeria_257:

(1, 167329), (Start: 5 @167569 has 5 MA's), (8, 167665), (12, 167704), (15, 167890), (19, 167923),

Gene: DunneganBoMo_261 Start: 167322, Stop: 167684, Start Num: 5

Candidate Starts for DunneganBoMo_261:

(1, 167082), (Start: 5 @167322 has 5 MA's), (8, 167418), (12, 167457), (15, 167643), (19, 167676),

Gene: Emmetator_260 Start: 166451, Stop: 166813, Start Num: 5

Candidate Starts for Emmetator_260:

(Start: 5 @166451 has 5 MA's), (8, 166547), (12, 166586), (15, 166772), (19, 166805),

Gene: FrostedClock_267 Start: 165384, Stop: 165755, Start Num: 5

Candidate Starts for FrostedClock_267:

(Start: 5 @165384 has 5 MA's), (12, 165519), (13, 165555), (16, 165711), (17, 165735),

Gene: GoldenEssence_258 Start: 160888, Stop: 161259, Start Num: 5

Candidate Starts for GoldenEssence_258:

(Start: 5 @160888 has 5 MA's), (10, 161014), (12, 161023), (17, 161239),

Gene: KSunshine22_264 Start: 166438, Stop: 166806, Start Num: 5

Candidate Starts for KSunshine22_264:

(1, 166198), (Start: 5 @166438 has 5 MA's), (8, 166534), (12, 166573), (13, 166609), (16, 166765),
(19, 166798),

Gene: Panchaali_272 Start: 172474, Stop: 172902, Start Num: 2

Candidate Starts for Panchaali_272:

(Start: 2 @172474 has 1 MA's), (6, 172573), (7, 172615), (9, 172645), (11, 172663), (14, 172744), (16, 172855), (19, 172888),

Gene: Talia1610_264 Start: 165606, Stop: 165974, Start Num: 5

Candidate Starts for Talia1610_264:

(Start: 5 @165606 has 5 MA's), (13, 165777), (17, 165957), (18, 165963), (19, 165966),

Gene: WaddleDee_259 Start: 166855, Stop: 167217, Start Num: 5

Candidate Starts for WaddleDee_259:

(1, 166615), (Start: 5 @166855 has 5 MA's), (8, 166951), (12, 166990), (15, 167176), (19, 167209),