

Pham 276673



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 276673 Report

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

Pham number 276673 has 15 members, 11 are drafts.

Phages represented in each track:

- Track 1 : Ellewin\_144, KSunshine22\_144
- Track 2 : BooTeria\_146, WaddleDee\_135
- Track 3 : SJReid\_152
- Track 4 : DunneganBoMo\_138
- Track 5 : Artu\_141
- Track 6 : Chilliams\_146
- Track 7 : Emmetator\_141
- Track 8 : Atuin\_141
- Track 9 : LeoJr\_151
- Track 10 : Panchaali\_149
- Track 11 : ReginaGlobina\_153
- Track 12 : Stewart25555\_140
- Track 13 : Rockabye\_152

### ***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 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu\_141, Atuin\_141, BooTeria\_146, Chilliams\_146, DunneganBoMo\_138, Ellewin\_144, Emmetator\_141, KSunshine22\_144, LeoJr\_151, Panchaali\_149, ReginaGlobina\_153, Rockabye\_152, SJReid\_152, Stewart25555\_140, WaddleDee\_135,

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

- 

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

- 

### **Summary by start number:**

Start 2:

- Found in 15 of 15 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artu\_141 (FC), Atuin\_141 (FC), BooTeria\_146 (FC), Chilliams\_146 (FC), DunneganBoMo\_138 (FC), Ellewin\_144 (FC), Emmetator\_141 (FC), KSunshine22\_144 (FC), LeoJr\_151 (FC), Panchaali\_149 (FC), ReginaGlobina\_153 (FC), Rockabye\_152 (FC), SJReid\_152 (FC), Stewart25555\_140 (FC), WaddleDee\_135 (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.

### **Gene Information:**

Gene: Artu\_141 Start: 99840, Stop: 100172, Start Num: 2

Candidate Starts for Artu\_141:

(1, 99813), (Start: 2 @99840 has 4 MA's), (9, 100056),

Gene: Atuin\_141 Start: 102470, Stop: 102808, Start Num: 2

Candidate Starts for Atuin\_141:

(1, 102443), (Start: 2 @102470 has 4 MA's),

Gene: BooTeria\_146 Start: 99981, Stop: 100313, Start Num: 2

Candidate Starts for BooTeria\_146:

(1, 99954), (Start: 2 @99981 has 4 MA's), (6, 100149), (8, 100188),

Gene: Chilliams\_146 Start: 92996, Stop: 93289, Start Num: 2

Candidate Starts for Chilliams\_146:

(1, 92969), (Start: 2 @92996 has 4 MA's), (7, 93161), (11, 93269),

Gene: DunneganBoMo\_138 Start: 99250, Stop: 99582, Start Num: 2

Candidate Starts for DunneganBoMo\_138:

(1, 99223), (Start: 2 @99250 has 4 MA's), (6, 99418), (8, 99457),

Gene: Ellewin\_144 Start: 99314, Stop: 99646, Start Num: 2

Candidate Starts for Ellewin\_144:

(1, 99287), (Start: 2 @99314 has 4 MA's), (9, 99530),

Gene: Emmetator\_141 Start: 99167, Stop: 99502, Start Num: 2

Candidate Starts for Emmetator\_141:

(1, 99140), (Start: 2 @99167 has 4 MA's), (9, 99386),

Gene: KSunshine22\_144 Start: 100659, Stop: 100991, Start Num: 2

Candidate Starts for KSunshine22\_144:

(1, 100632), (Start: 2 @100659 has 4 MA's), (9, 100875),

Gene: LeoJr\_151 Start: 103056, Stop: 103394, Start Num: 2

Candidate Starts for LeoJr\_151:

(1, 103029), (Start: 2 @103056 has 4 MA's), (4, 103116),

Gene: Panchaali\_149 Start: 99779, Stop: 100108, Start Num: 2

Candidate Starts for Panchaali\_149:

(1, 99752), (Start: 2 @99779 has 4 MA's), (6, 99944), (11, 100088),

Gene: ReginaGlobina\_153 Start: 104264, Stop: 104602, Start Num: 2

Candidate Starts for ReginaGlobina\_153:

(1, 104237), (Start: 2 @104264 has 4 MA's),

Gene: Rockabye\_152 Start: 94626, Stop: 94919, Start Num: 2

Candidate Starts for Rockabye\_152:

(1, 94599), (Start: 2 @94626 has 4 MA's), (5, 94713), (7, 94791),

Gene: SJReid\_152 Start: 93407, Stop: 93670, Start Num: 2

Candidate Starts for SJReid\_152:

(1, 93380), (Start: 2 @93407 has 4 MA's), (9, 93545),

Gene: Stewart25555\_140 Start: 100427, Stop: 100741, Start Num: 2

Candidate Starts for Stewart25555\_140:

(1, 100400), (Start: 2 @100427 has 4 MA's), (3, 100466), (10, 100667),

Gene: WaddleDee\_135 Start: 98436, Stop: 98768, Start Num: 2

Candidate Starts for WaddleDee\_135:

(1, 98409), (Start: 2 @98436 has 4 MA's), (6, 98604), (8, 98643),