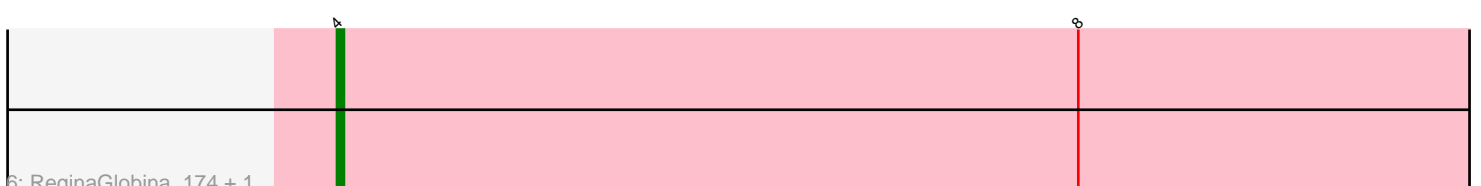
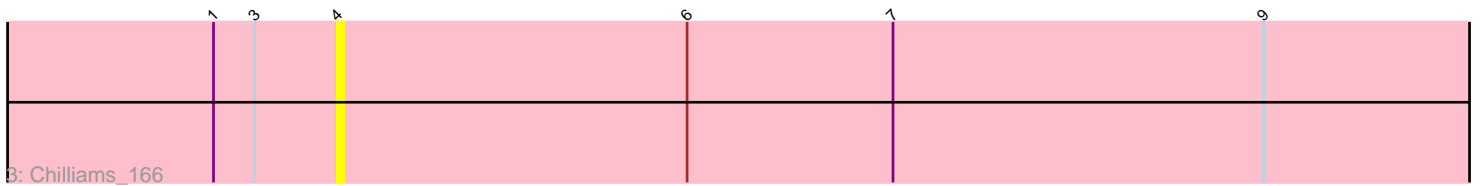
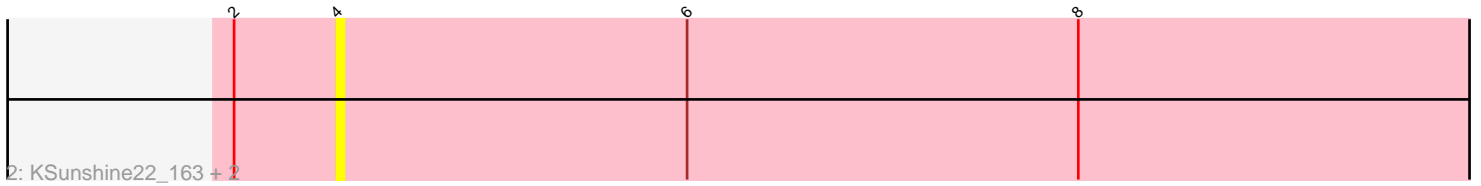
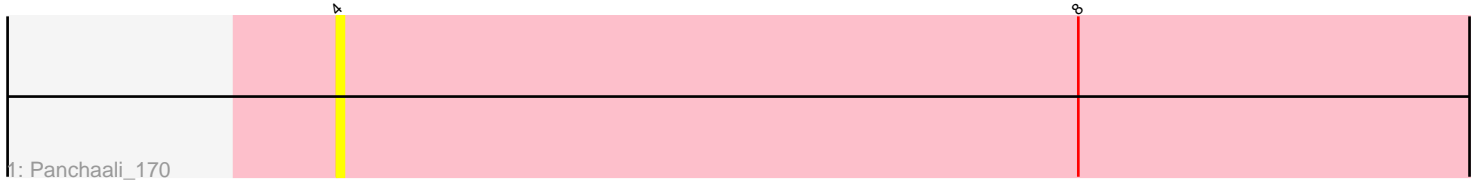


Pham 216732



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 216732 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216732 has 12 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Panchaali\_170
- Track 2 : KSunshine22\_163, DunneganBoMo\_165, WaddleDee\_164
- Track 3 : Chilliams\_166
- Track 4 : Phrampa\_162
- Track 5 : GoldenEssence\_157, Talia1610\_170
- Track 6 : ReginaGlobina\_174, Atuin\_161
- Track 7 : Rockabye\_173
- Track 8 : Ellewin\_164

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

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

Genes that call this "Most Annotated" start:

- Atuin\_161, Chilliams\_166, DunneganBoMo\_165, Ellewin\_164, GoldenEssence\_157, KSunshine22\_163, Panchaali\_170, Phrampa\_162, ReginaGlobina\_174, Rockabye\_173, Talia1610\_170, WaddleDee\_164,

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 4:

- Found in 12 of 12 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin\_161 (FC), Chilliams\_166 (FC), DunneganBoMo\_165 (FC), Ellewin\_164 (FC), GoldenEssence\_157 (FC), KSunshine22\_163 (FC), Panchaali\_170 (FC), Phrampa\_162 (FC),

ReginaGlobina\_174 (FC), Rockabye\_173 (FC), Talia1610\_170 (FC), WaddleDee\_164 (FC),

### **Summary by clusters:**

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

•Start number 4 was manually annotated 2 times for cluster FC.

### **Gene Information:**

Gene: Atuin\_161 Start: 111687, Stop: 111881, Start Num: 4

Candidate Starts for Atuin\_161:

(Start: 4 @111687 has 2 MA's), (8, 111795),

Gene: Chilliams\_166 Start: 103103, Stop: 103294, Start Num: 4

Candidate Starts for Chilliams\_166:

(1, 103085), (3, 103091), (Start: 4 @103103 has 2 MA's), (6, 103154), (7, 103184), (9, 103238),

Gene: DunneganBoMo\_165 Start: 108594, Stop: 108791, Start Num: 4

Candidate Starts for DunneganBoMo\_165:

(2, 108579), (Start: 4 @108594 has 2 MA's), (6, 108645), (8, 108702),

Gene: Ellewin\_164 Start: 108698, Stop: 108895, Start Num: 4

Candidate Starts for Ellewin\_164:

(2, 108683), (Start: 4 @108698 has 2 MA's), (8, 108806),

Gene: GoldenEssence\_157 Start: 105972, Stop: 106145, Start Num: 4

Candidate Starts for GoldenEssence\_157:

(Start: 4 @105972 has 2 MA's),

Gene: KSunshine22\_163 Start: 109657, Stop: 109854, Start Num: 4

Candidate Starts for KSunshine22\_163:

(2, 109642), (Start: 4 @109657 has 2 MA's), (6, 109708), (8, 109765),

Gene: Panchaali\_170 Start: 109408, Stop: 109602, Start Num: 4

Candidate Starts for Panchaali\_170:

(Start: 4 @109408 has 2 MA's), (8, 109516),

Gene: Phrampa\_162 Start: 114167, Stop: 114343, Start Num: 4

Candidate Starts for Phrampa\_162:

(Start: 4 @114167 has 2 MA's), (5, 114188),

Gene: ReginaGlobina\_174 Start: 113570, Stop: 113764, Start Num: 4

Candidate Starts for ReginaGlobina\_174:

(Start: 4 @113570 has 2 MA's), (8, 113678),

Gene: Rockabye\_173 Start: 105115, Stop: 105306, Start Num: 4

Candidate Starts for Rockabye\_173:

(Start: 4 @105115 has 2 MA's), (7, 105196),

Gene: Talia1610\_170 Start: 112415, Stop: 112588, Start Num: 4  
Candidate Starts for Talia1610\_170:  
(Start: 4 @112415 has 2 MA's),

Gene: WaddleDee\_164 Start: 107780, Stop: 107977, Start Num: 4  
Candidate Starts for WaddleDee\_164:  
(2, 107765), (Start: 4 @107780 has 2 MA's), (6, 107831), (8, 107888),