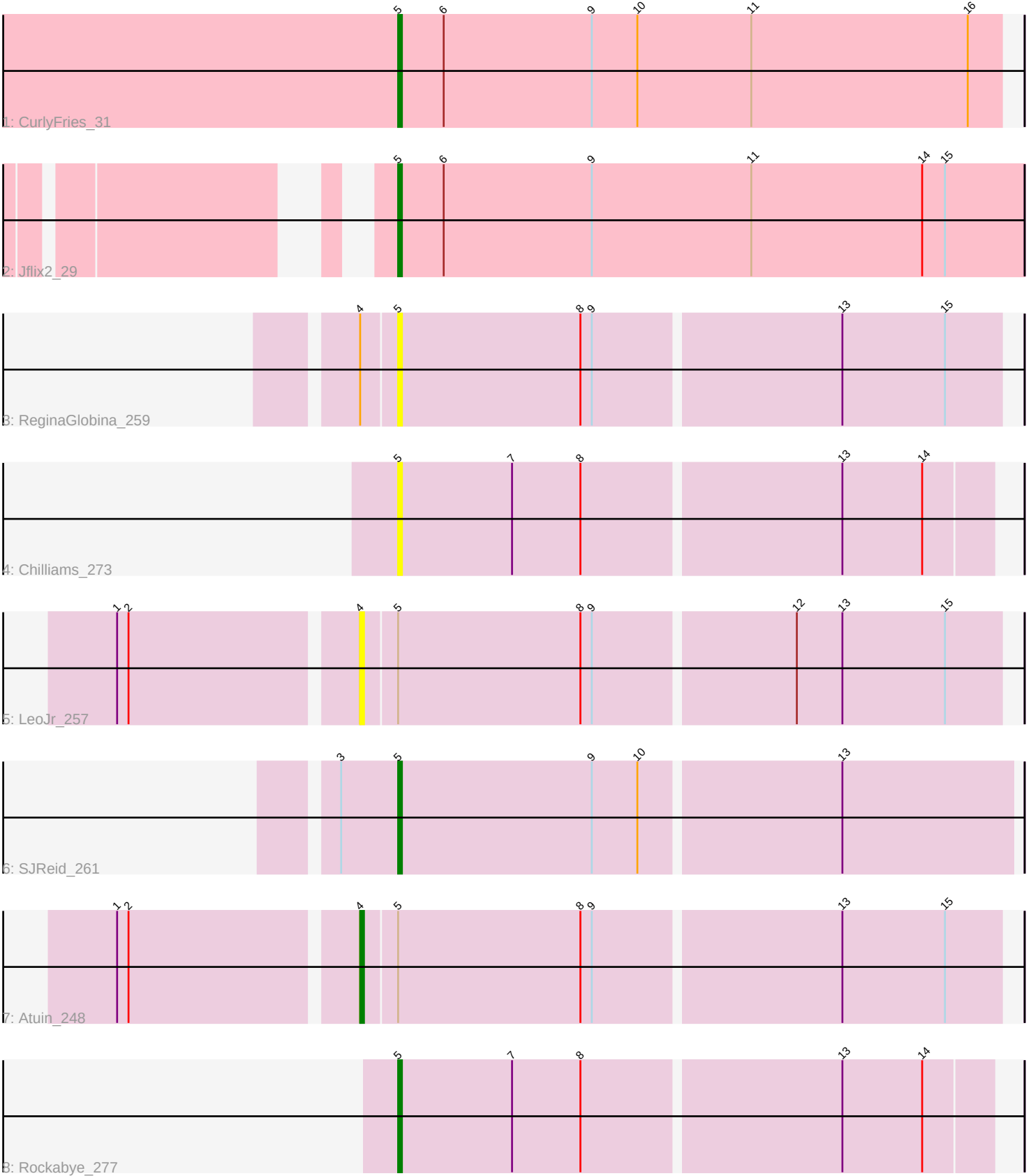


Pham 331549



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 331549 Report

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

Pham number 331549 has 8 members, 3 are drafts.

Phages represented in each track:

- Track 1 : CurlyFries\_31
- Track 2 : Jflix2\_29
- Track 3 : ReginaGlobina\_259
- Track 4 : Chilliams\_273
- Track 5 : LeoJr\_257
- Track 6 : SJReid\_261
- Track 7 : Atuin\_248
- Track 8 : Rockabye\_277

### ***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 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chilliams\_273, CurlyFries\_31, Jflix2\_29, ReginaGlobina\_259, Rockabye\_277, SJReid\_261,

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

- Atuin\_248, LeoJr\_257,

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

•

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

Start 4:

- Found in 3 of 8 ( 37.5% ) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Atuin\_248 (FC), LeoJr\_257 (FC),

Start 5:

- Found in 8 of 8 ( 100.0% ) of genes in pham

- Manual Annotations of this start: 4 of 5
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Chilliamps\_273 (FC), CurlyFries\_31 (CF), Jflix2\_29 (CF), ReginaGlobina\_259 (FC), Rockabye\_277 (FC), SJReid\_261 (FC),

### **Summary by clusters:**

There are 2 clusters represented in this pham: FC, CF,

Info for manual annotations of cluster CF:

- Start number 5 was manually annotated 2 times for cluster CF.

Info for manual annotations of cluster FC:

- Start number 4 was manually annotated 1 time for cluster FC.
- Start number 5 was manually annotated 2 times for cluster FC.

### **Gene Information:**

Gene: Atuin\_248 Start: 159446, Stop: 159610, Start Num: 4

Candidate Starts for Atuin\_248:

(1, 159386), (2, 159389), (Start: 4 @159446 has 1 MA's), (Start: 5 @159455 has 4 MA's), (8, 159503), (9, 159506), (13, 159569), (15, 159596),

Gene: Chilliamps\_273 Start: 164811, Stop: 164963, Start Num: 5

Candidate Starts for Chilliamps\_273:

(Start: 5 @164811 has 4 MA's), (7, 164841), (8, 164859), (13, 164925), (14, 164946),

Gene: CurlyFries\_31 Start: 27058, Stop: 26900, Start Num: 5

Candidate Starts for CurlyFries\_31:

(Start: 5 @27058 has 4 MA's), (6, 27046), (9, 27007), (10, 26995), (11, 26965), (16, 26908),

Gene: Jflix2\_29 Start: 27850, Stop: 27686, Start Num: 5

Candidate Starts for Jflix2\_29:

(Start: 5 @27850 has 4 MA's), (6, 27838), (9, 27799), (11, 27757), (14, 27712), (15, 27706),

Gene: LeoJr\_257 Start: 158619, Stop: 158783, Start Num: 4

Candidate Starts for LeoJr\_257:

(1, 158559), (2, 158562), (Start: 4 @158619 has 1 MA's), (Start: 5 @158628 has 4 MA's), (8, 158676), (9, 158679), (12, 158730), (13, 158742), (15, 158769),

Gene: ReginaGlobina\_259 Start: 159833, Stop: 159988, Start Num: 5

Candidate Starts for ReginaGlobina\_259:

(Start: 4 @159824 has 1 MA's), (Start: 5 @159833 has 4 MA's), (8, 159881), (9, 159884), (13, 159947), (15, 159974),

Gene: Rockabye\_277 Start: 165117, Stop: 165269, Start Num: 5

Candidate Starts for Rockabye\_277:

(Start: 5 @165117 has 4 MA's), (7, 165147), (8, 165165), (13, 165231), (14, 165252),

Gene: SJReid\_261 Start: 154498, Stop: 154656, Start Num: 5

Candidate Starts for SJReid\_261:

(3, 154483), (Start: 5 @154498 has 4 MA's), (9, 154549), (10, 154561), (13, 154612),