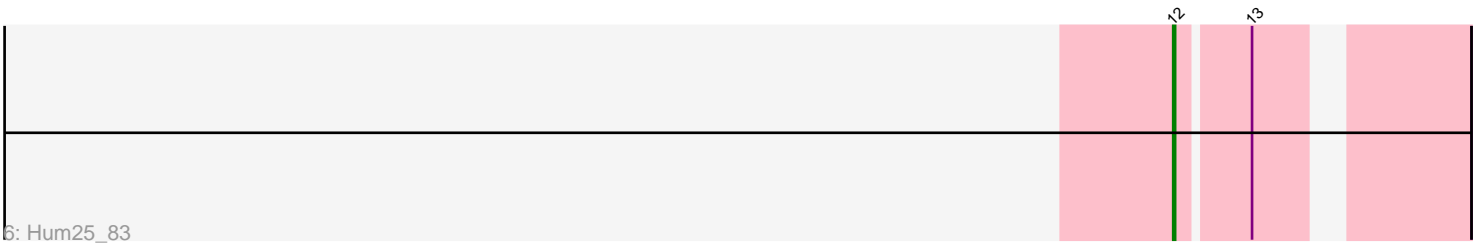
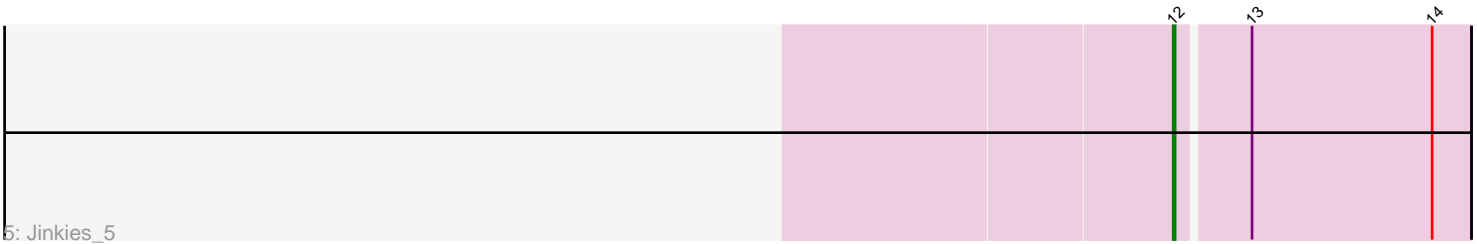
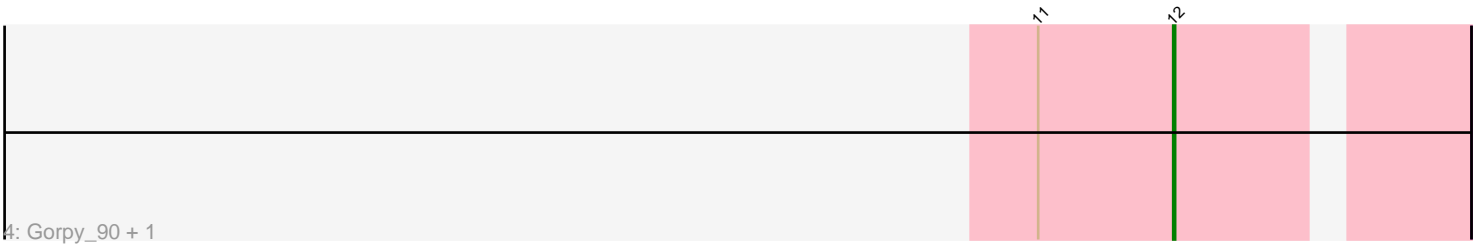
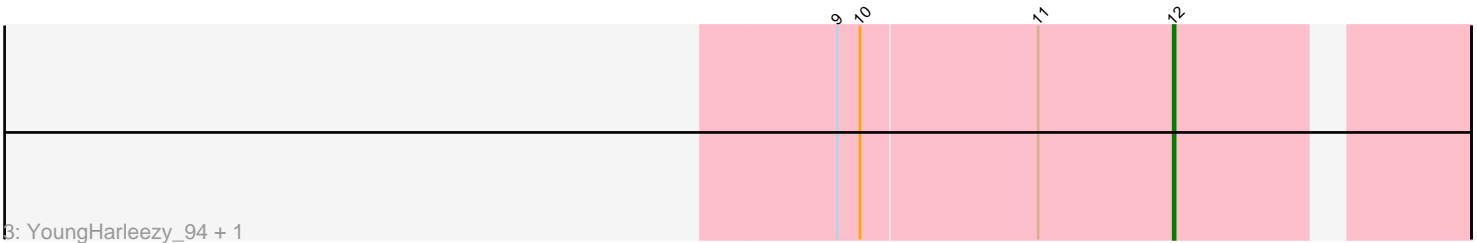
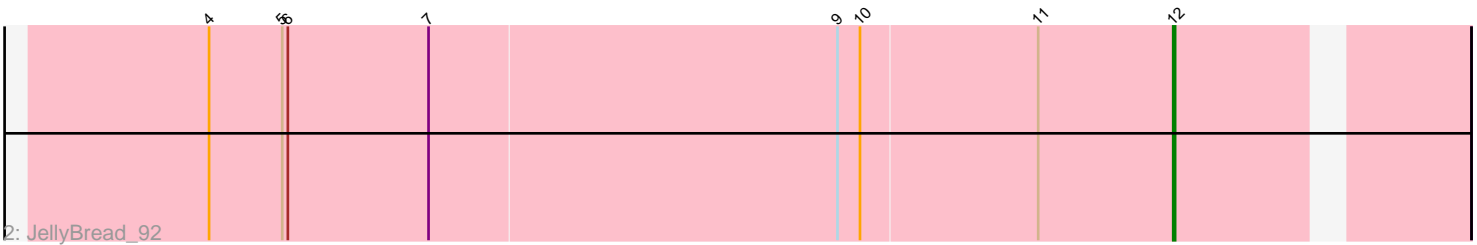
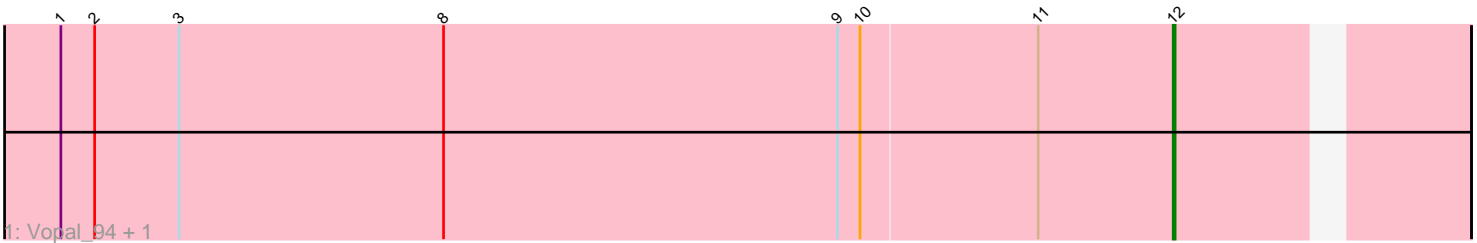


Pham 245793



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 245793 Report

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

Pham number 245793 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Vopal\_94, Raphaella\_93
- Track 2 : JellyBread\_92
- Track 3 : YoungHarleezy\_94, Windest\_98
- Track 4 : Gorpy\_90, Sakai\_89
- Track 5 : Jinkies\_5
- Track 6 : Hum25\_83

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

The start number called the most often in the published annotations is 12, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gorpy\_90, Hum25\_83, JellyBread\_92, Jinkies\_5, Raphaella\_93, Sakai\_89, Vopal\_94, Windest\_98, YoungHarleezy\_94,

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 12:

- Found in 9 of 9 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gorpy\_90 (AY), Hum25\_83 (FQ), JellyBread\_92 (AY), Jinkies\_5 (FL), Raphaella\_93 (AY), Sakai\_89 (AY), Vopal\_94 (AY), Windest\_98 (AY), YoungHarleezy\_94 (AY),

### **Summary by clusters:**

There are 3 clusters represented in this pham: AY, FQ, FL,

Info for manual annotations of cluster AY:

- Start number 12 was manually annotated 6 times for cluster AY.

Info for manual annotations of cluster FL:

- Start number 12 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster FQ:

- Start number 12 was manually annotated 1 time for cluster FQ.

### ***Gene Information:***

Gene: Gorpy\_90 Start: 52455, Stop: 52592, Start Num: 12

Candidate Starts for Gorpy\_90:

(11, 52383), (Start: 12 @52455 has 8 MA's),

Gene: Hum25\_83 Start: 41713, Stop: 41844, Start Num: 12

Candidate Starts for Hum25\_83:

(Start: 12 @41713 has 8 MA's), (13, 41749),

Gene: JellyBread\_92 Start: 52320, Stop: 52457, Start Num: 12

Candidate Starts for JellyBread\_92:

(4, 51810), (5, 51849), (6, 51852), (7, 51927), (9, 52143), (10, 52155), (11, 52248), (Start: 12 @52320 has 8 MA's),

Gene: Jinkies\_5 Start: 4534, Stop: 4686, Start Num: 12

Candidate Starts for Jinkies\_5:

(Start: 12 @4534 has 8 MA's), (13, 4570), (14, 4666),

Gene: Raphaella\_93 Start: 50587, Stop: 50724, Start Num: 12

Candidate Starts for Raphaella\_93:

(1, 49996), (2, 50014), (3, 50059), (8, 50200), (9, 50410), (10, 50422), (11, 50515), (Start: 12 @50587 has 8 MA's),

Gene: Sakai\_89 Start: 51166, Stop: 51303, Start Num: 12

Candidate Starts for Sakai\_89:

(11, 51094), (Start: 12 @51166 has 8 MA's),

Gene: Vopal\_94 Start: 52653, Stop: 52790, Start Num: 12

Candidate Starts for Vopal\_94:

(1, 52062), (2, 52080), (3, 52125), (8, 52266), (9, 52476), (10, 52488), (11, 52581), (Start: 12 @52653 has 8 MA's),

Gene: Windest\_98 Start: 50675, Stop: 50812, Start Num: 12

Candidate Starts for Windest\_98:

(9, 50498), (10, 50510), (11, 50603), (Start: 12 @50675 has 8 MA's),

Gene: YoungHarleezy\_94 Start: 51908, Stop: 52045, Start Num: 12

Candidate Starts for YoungHarleezy\_94:

(9, 51731), (10, 51743), (11, 51836), (Start: 12 @51908 has 8 MA's),

