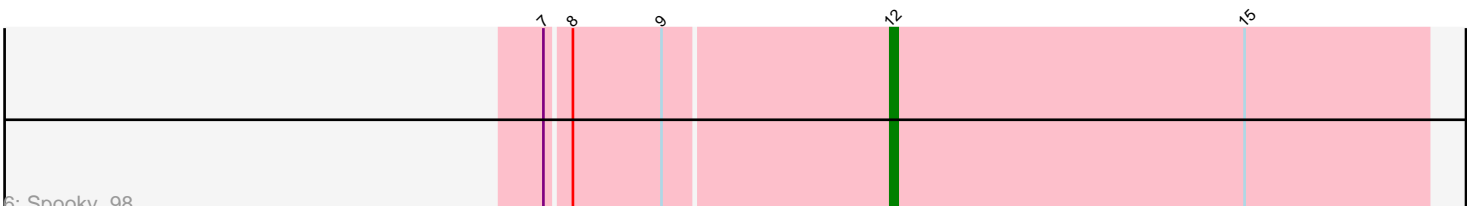
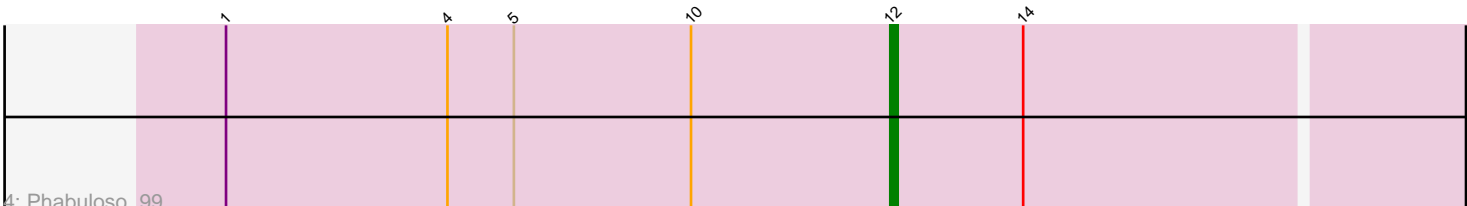
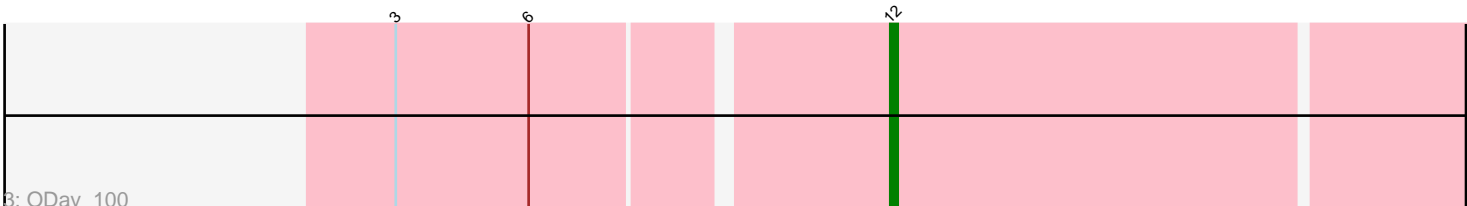
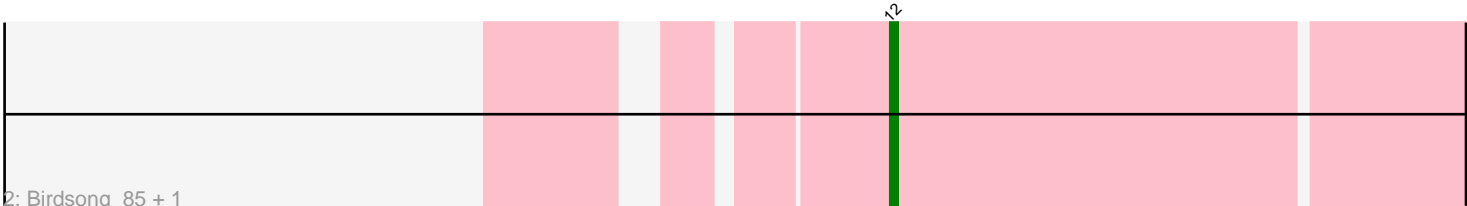


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 7249 Report

This analysis was run 04/05/24 on database version 557.

Pham number 7249 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ecliptus\_99, Budski\_97, Phistory\_90
- Track 2 : Birdsong\_85, CheeseTouch\_98
- Track 3 : ODay\_100
- Track 4 : Phabuloso\_99
- Track 5 : Leroy\_92
- Track 6 : Spooky\_98
- Track 7 : Squiddly\_93

### ***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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Birdsong\_85, Budski\_97, CheeseTouch\_98, Ecliptus\_99, Leroy\_92, ODay\_100, Phabuloso\_99, Phistory\_90, Spooky\_98, Squiddly\_93,

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 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Birdsong\_85 (DN), Budski\_97 (DN), CheeseTouch\_98 (DN1), Ecliptus\_99 (DN), Leroy\_92 (DN1), ODay\_100 (DN), Phabuloso\_99 (DN1), Phistory\_90 (DN1), Spooky\_98 (DN2), Squiddly\_93 (DN2),

### **Summary by clusters:**

There are 3 clusters represented in this pham: DN, DN1, DN2,

Info for manual annotations of cluster DN:

- Start number 12 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 12 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 12 was manually annotated 2 times for cluster DN2.

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

Gene: Birdsong\_85 Start: 49463, Stop: 49579, Start Num: 12

Candidate Starts for Birdsong\_85:

(Start: 12 @49463 has 10 MA's),

Gene: Budski\_97 Start: 52316, Stop: 52432, Start Num: 12

Candidate Starts for Budski\_97:

(2, 52241), (11, 52313), (Start: 12 @52316 has 10 MA's),

Gene: CheeseTouch\_98 Start: 49050, Stop: 49166, Start Num: 12

Candidate Starts for CheeseTouch\_98:

(Start: 12 @49050 has 10 MA's),

Gene: Ecliptus\_99 Start: 52708, Stop: 52824, Start Num: 12

Candidate Starts for Ecliptus\_99:

(2, 52633), (11, 52705), (Start: 12 @52708 has 10 MA's),

Gene: Leroy\_92 Start: 49925, Stop: 50041, Start Num: 12

Candidate Starts for Leroy\_92:

(2, 49850), (Start: 12 @49925 has 10 MA's),

Gene: ODay\_100 Start: 52851, Stop: 52967, Start Num: 12

Candidate Starts for ODay\_100:

(3, 52788), (6, 52806), (Start: 12 @52851 has 10 MA's),

Gene: Phabuloso\_99 Start: 51864, Stop: 51980, Start Num: 12

Candidate Starts for Phabuloso\_99:

(1, 51774), (4, 51804), (5, 51813), (10, 51837), (Start: 12 @51864 has 10 MA's), (14, 51882),

Gene: Phistory\_90 Start: 48773, Stop: 48889, Start Num: 12

Candidate Starts for Phistory\_90:

(2, 48698), (11, 48770), (Start: 12 @48773 has 10 MA's),

Gene: Spooky\_98 Start: 53072, Stop: 53185, Start Num: 12

Candidate Starts for Spooky\_98:

(7, 53027), (8, 53030), (9, 53042), (Start: 12 @53072 has 10 MA's), (15, 53120),

Gene: Squiddly\_93 Start: 54047, Stop: 54163, Start Num: 12

Candidate Starts for Squiddly\_93:  
(2, 53972), (Start: 12 @54047 has 10 MA's), (13, 54062),