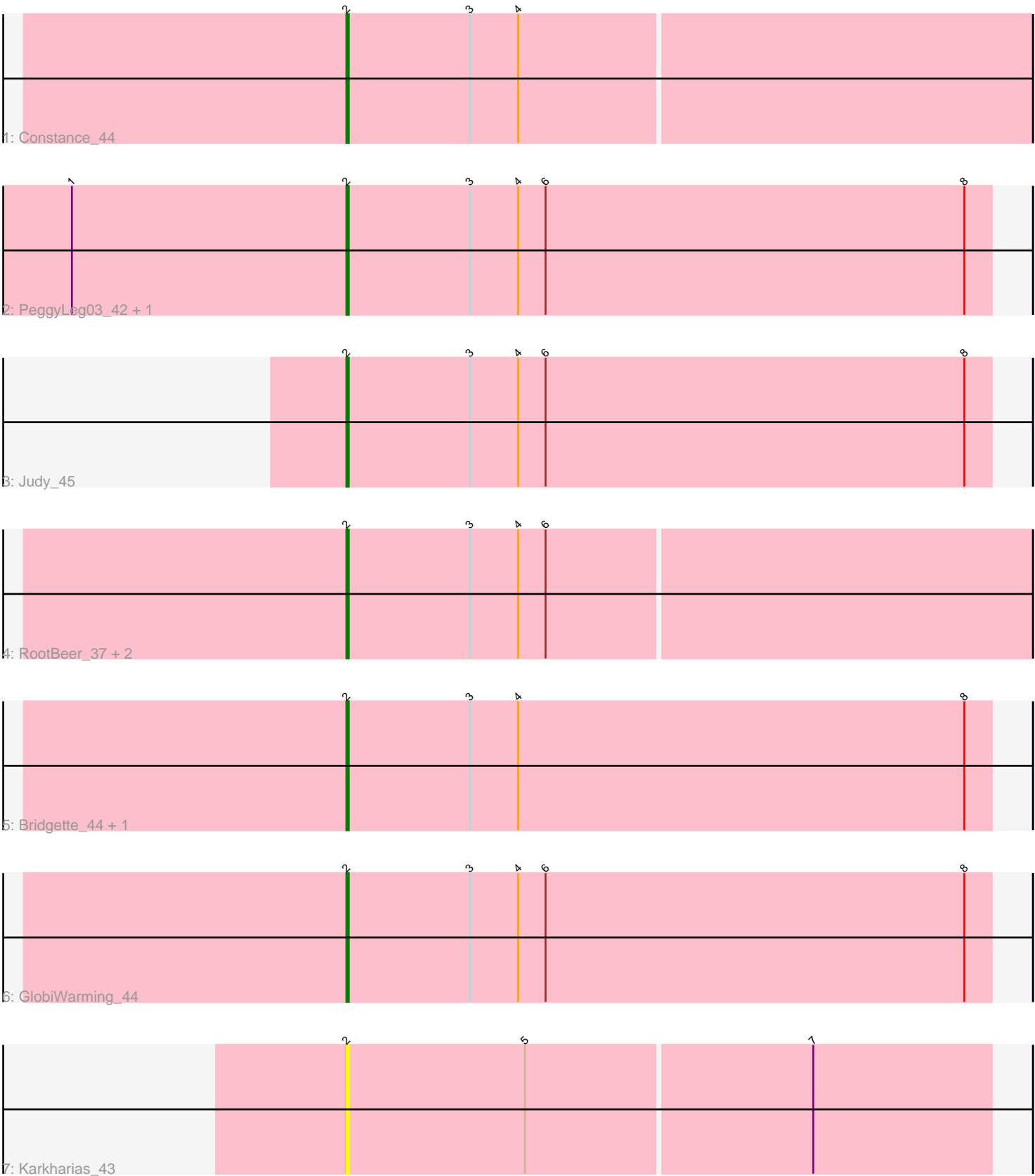


Pham 7031



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 7031 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7031 has 11 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Constance\_44
- Track 2 : PeggyLeg03\_42, Pucara\_39
- Track 3 : Judy\_45
- Track 4 : RootBeer\_37, ChuckDuck\_45, Eileen\_40
- Track 5 : Bridgette\_44, Peas\_41
- Track 6 : GlobiWarming\_44
- Track 7 : Karkharias\_43

### ***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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bridgette\_44, ChuckDuck\_45, Constance\_44, Eileen\_40, GlobiWarming\_44, Judy\_45, Karkharias\_43, Peas\_41, PeggyLeg03\_42, Pucara\_39, RootBeer\_37,

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 11 of 11 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bridgette\_44 (FA), ChuckDuck\_45 (FA), Constance\_44 (FA), Eileen\_40 (FA), GlobiWarming\_44 (FA), Judy\_45 (FA), Karkharias\_43 (FA), Peas\_41 (FA), PeggyLeg03\_42 (FA), Pucara\_39 (FA), RootBeer\_37 (FA),

## Summary by clusters:

There is one cluster represented in this pham: FA

Info for manual annotations of cluster FA:

- Start number 2 was manually annotated 7 times for cluster FA.

### **Gene Information:**

Gene: Bridgette\_44 Start: 29864, Stop: 30145, Start Num: 2

Candidate Starts for Bridgette\_44:

(Start: 2 @29864 has 7 MA's), (3, 29918), (4, 29939), (8, 30134),

Gene: ChuckDuck\_45 Start: 29669, Stop: 29965, Start Num: 2

Candidate Starts for ChuckDuck\_45:

(Start: 2 @29669 has 7 MA's), (3, 29723), (4, 29744), (6, 29756),

Gene: Constance\_44 Start: 30007, Stop: 30303, Start Num: 2

Candidate Starts for Constance\_44:

(Start: 2 @30007 has 7 MA's), (3, 30061), (4, 30082),

Gene: Eileen\_40 Start: 28083, Stop: 28379, Start Num: 2

Candidate Starts for Eileen\_40:

(Start: 2 @28083 has 7 MA's), (3, 28137), (4, 28158), (6, 28170),

Gene: GlobiWarming\_44 Start: 29261, Stop: 29542, Start Num: 2

Candidate Starts for GlobiWarming\_44:

(Start: 2 @29261 has 7 MA's), (3, 29315), (4, 29336), (6, 29348), (8, 29531),

Gene: Judy\_45 Start: 30173, Stop: 30454, Start Num: 2

Candidate Starts for Judy\_45:

(Start: 2 @30173 has 7 MA's), (3, 30227), (4, 30248), (6, 30260), (8, 30443),

Gene: Karkharias\_43 Start: 29192, Stop: 29470, Start Num: 2

Candidate Starts for Karkharias\_43:

(Start: 2 @29192 has 7 MA's), (5, 29270), (7, 29393),

Gene: Peas\_41 Start: 30232, Stop: 30513, Start Num: 2

Candidate Starts for Peas\_41:

(Start: 2 @30232 has 7 MA's), (3, 30286), (4, 30307), (8, 30502),

Gene: PeggyLeg03\_42 Start: 29427, Stop: 29708, Start Num: 2

Candidate Starts for PeggyLeg03\_42:

(1, 29307), (Start: 2 @29427 has 7 MA's), (3, 29481), (4, 29502), (6, 29514), (8, 29697),

Gene: Pucara\_39 Start: 29032, Stop: 29313, Start Num: 2

Candidate Starts for Pucara\_39:

(1, 28912), (Start: 2 @29032 has 7 MA's), (3, 29086), (4, 29107), (6, 29119), (8, 29302),

Gene: RootBeer\_37 Start: 26126, Stop: 26422, Start Num: 2

Candidate Starts for RootBeer\_37:

(Start: 2 @26126 has 7 MA's), (3, 26180), (4, 26201), (6, 26213),