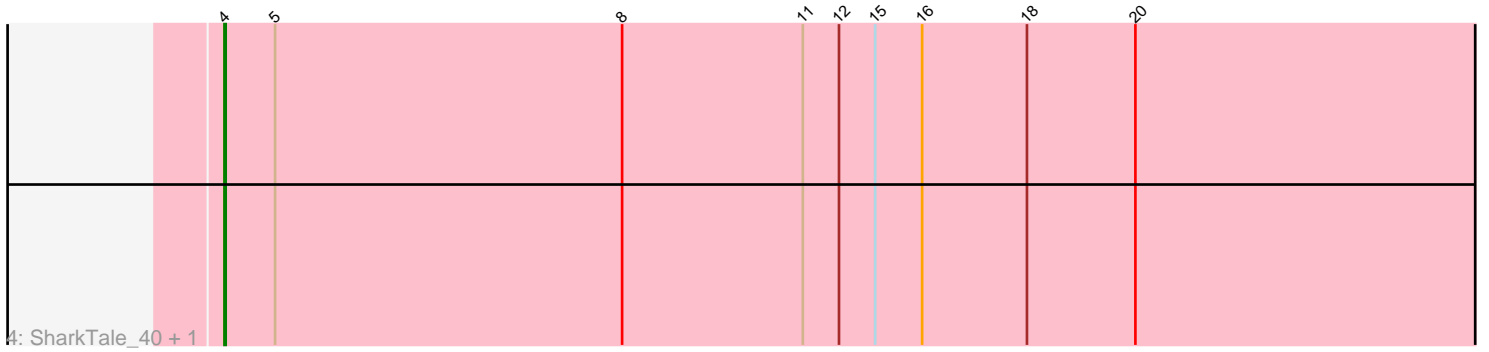
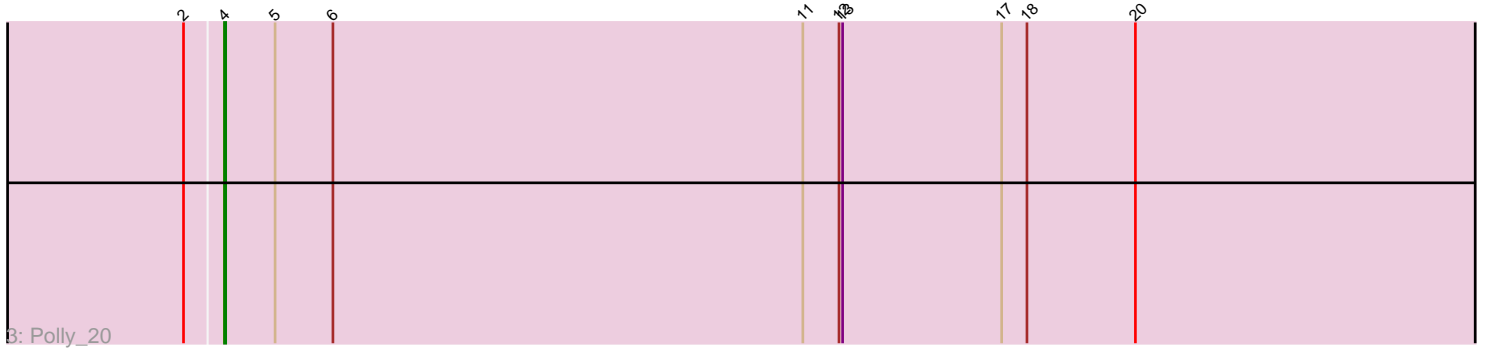
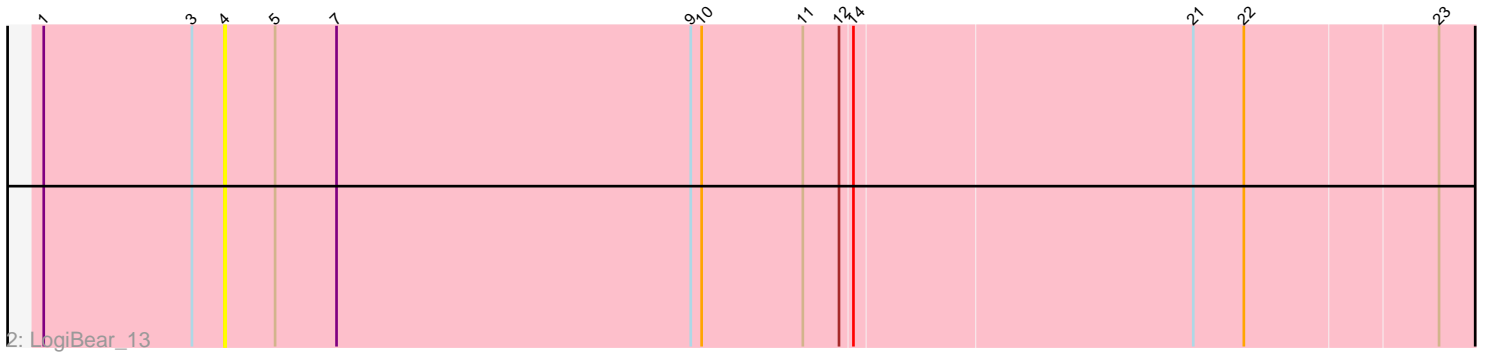
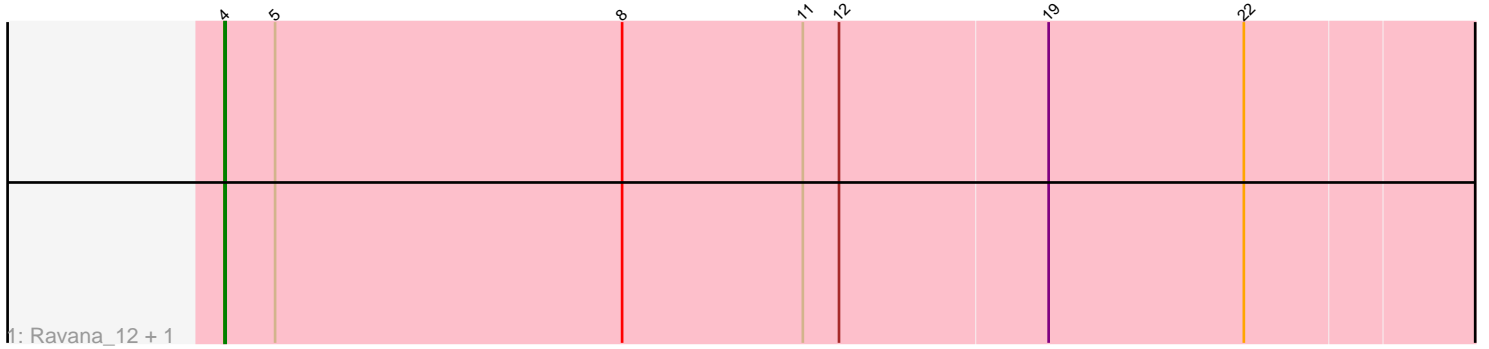


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 305597 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305597 has 6 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Ravana\_12, Nedarya\_11
- Track 2 : LogiBear\_13
- Track 3 : Polly\_20
- Track 4 : SharkTale\_40, YungMoney\_42

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

Genes that call this "Most Annotated" start:

- LogiBear\_13, Nedarya\_11, Polly\_20, Ravana\_12, SharkTale\_40, YungMoney\_42,

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 6 of 6 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LogiBear\_13 (A15), Nedarya\_11 (A15), Polly\_20 (CZ1), Ravana\_12 (A15), SharkTale\_40 (DC1), YungMoney\_42 (DC1),

### **Summary by clusters:**

There are 3 clusters represented in this pham: A15, CZ1, DC1,

Info for manual annotations of cluster A15:

- Start number 4 was manually annotated 2 times for cluster A15.

Info for manual annotations of cluster CZ1:

- Start number 4 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster DC1:

- Start number 4 was manually annotated 1 time for cluster DC1.

### **Gene Information:**

Gene: LogiBear\_13 Start: 6103, Stop: 7143, Start Num: 4

Candidate Starts for LogiBear\_13:

(1, 5953), (3, 6076), (Start: 4 @6103 has 4 MA's), (5, 6145), (7, 6196), (9, 6490), (10, 6499), (11, 6583), (12, 6613), (14, 6622), (21, 6898), (22, 6940), (23, 7096),

Gene: Nedarya\_11 Start: 5992, Stop: 7026, Start Num: 4

Candidate Starts for Nedarya\_11:

(Start: 4 @5992 has 4 MA's), (5, 6034), (8, 6322), (11, 6472), (12, 6502), (19, 6673), (22, 6835),

Gene: Polly\_20 Start: 19454, Stop: 20509, Start Num: 4

Candidate Starts for Polly\_20:

(2, 19424), (Start: 4 @19454 has 4 MA's), (5, 19496), (6, 19544), (11, 19934), (12, 19964), (13, 19967), (17, 20099), (18, 20120), (20, 20210),

Gene: Ravana\_12 Start: 5367, Stop: 6401, Start Num: 4

Candidate Starts for Ravana\_12:

(Start: 4 @5367 has 4 MA's), (5, 5409), (8, 5697), (11, 5847), (12, 5877), (19, 6048), (22, 6210),

Gene: SharkTale\_40 Start: 34681, Stop: 35736, Start Num: 4

Candidate Starts for SharkTale\_40:

(Start: 4 @34681 has 4 MA's), (5, 34723), (8, 35011), (11, 35161), (12, 35191), (15, 35221), (16, 35260), (18, 35347), (20, 35437),

Gene: YungMoney\_42 Start: 36228, Stop: 37283, Start Num: 4

Candidate Starts for YungMoney\_42:

(Start: 4 @36228 has 4 MA's), (5, 36270), (8, 36558), (11, 36708), (12, 36738), (15, 36768), (16, 36807), (18, 36894), (20, 36984),