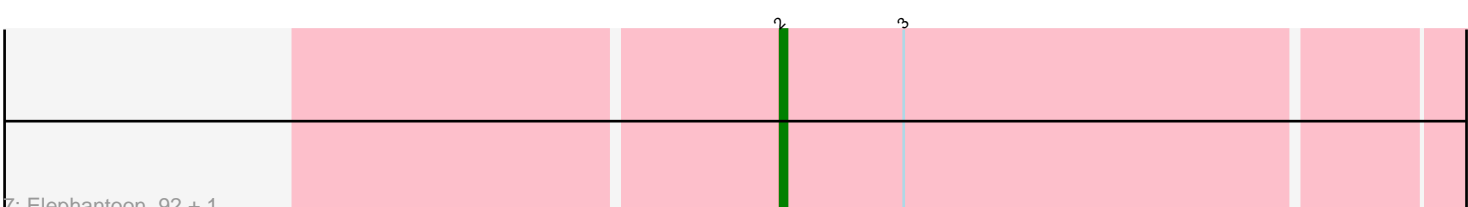
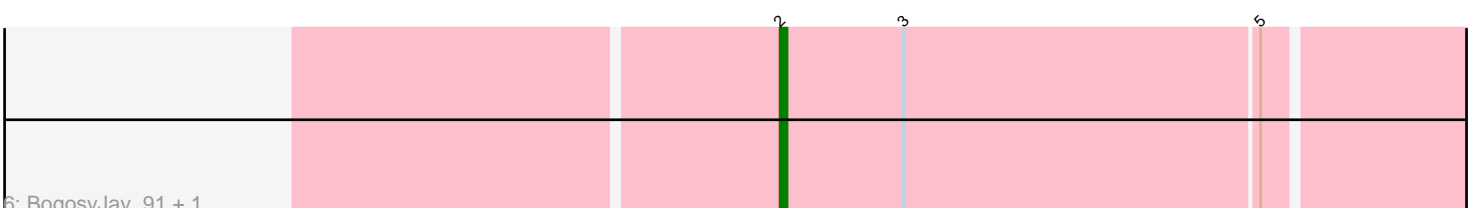
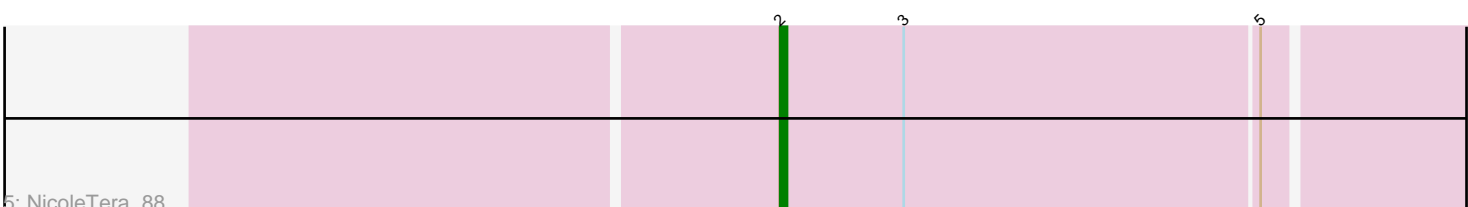
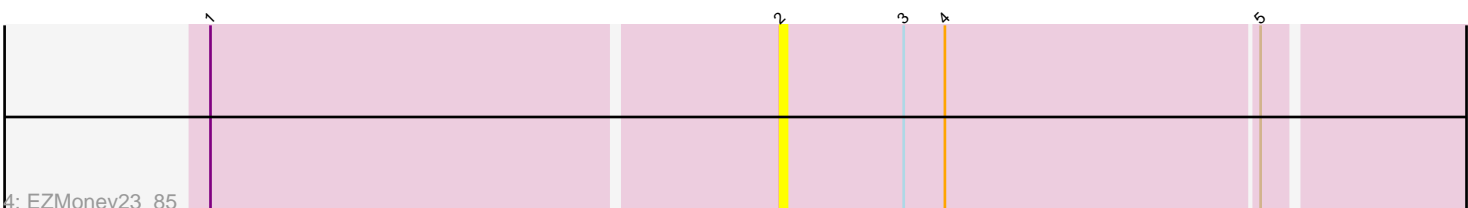
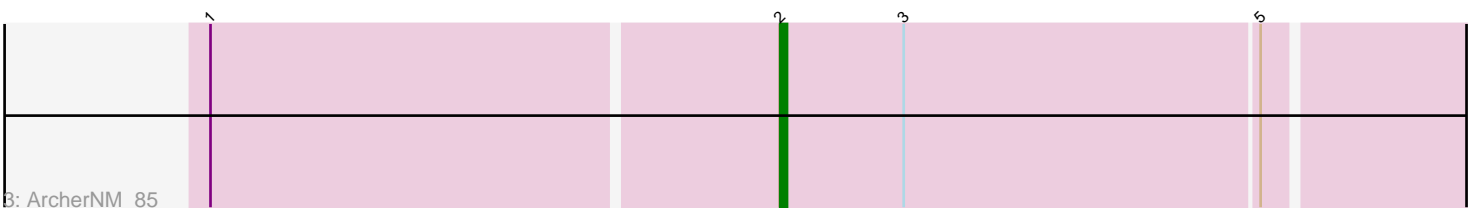
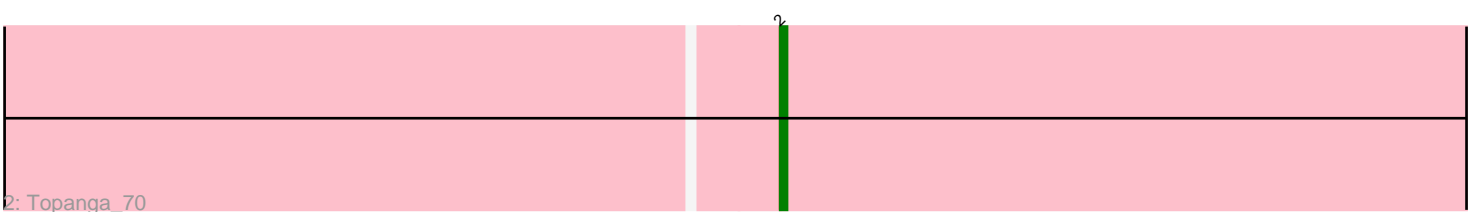
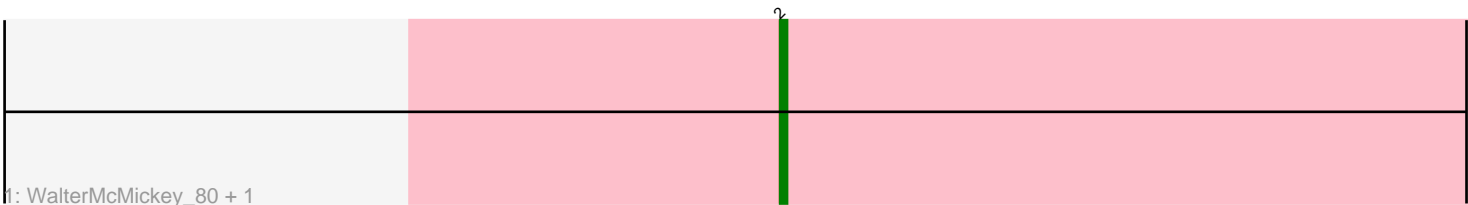


Pham 87723



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 87723 Report

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

Pham number 87723 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : WalterMcMickey\_80, Twister\_81
- Track 2 : Topanga\_70
- Track 3 : ArcherNM\_85
- Track 4 : EZMoney23\_85
- Track 5 : NicoleTera\_88
- Track 6 : BogosyJay\_91, Maminiaiina\_91
- Track 7 : Elephantoon\_92, Darrell\_90

### ***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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArcherNM\_85, BogosyJay\_91, Darrell\_90, EZMoney23\_85, Elephantoon\_92, Maminiaiina\_91, NicoleTera\_88, Topanga\_70, Twister\_81, WalterMcMickey\_80,

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 10 of 10 ( 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: ArcherNM\_85 (A2), BogosyJay\_91 (A9), Darrell\_90 (A9), EZMoney23\_85 (A2), Elephantoon\_92 (A9), Maminiaiina\_91 (A9), NicoleTera\_88 (A2), Topanga\_70 (A10), Twister\_81 (A10), WalterMcMickey\_80 (A10),

## Summary by clusters:

There are 3 clusters represented in this pham: A9, A2, A10,

Info for manual annotations of cluster A10:

- Start number 2 was manually annotated 3 times for cluster A10.

Info for manual annotations of cluster A2:

- Start number 2 was manually annotated 2 times for cluster A2.

Info for manual annotations of cluster A9:

- Start number 2 was manually annotated 3 times for cluster A9.

## Gene Information:

Gene: ArcherNM\_85 Start: 49517, Stop: 49419, Start Num: 2

Candidate Starts for ArcherNM\_85:

(1, 49598), (Start: 2 @49517 has 8 MA's), (3, 49499), (5, 49448),

Gene: BogosyJay\_91 Start: 49609, Stop: 49511, Start Num: 2

Candidate Starts for BogosyJay\_91:

(Start: 2 @49609 has 8 MA's), (3, 49591), (5, 49540),

Gene: Darrell\_90 Start: 48769, Stop: 48671, Start Num: 2

Candidate Starts for Darrell\_90:

(Start: 2 @48769 has 8 MA's), (3, 48751),

Gene: EZMoney23\_85 Start: 48831, Stop: 48733, Start Num: 2

Candidate Starts for EZMoney23\_85:

(1, 48912), (Start: 2 @48831 has 8 MA's), (3, 48813), (4, 48807), (5, 48762),

Gene: Elephantoon\_92 Start: 49496, Stop: 49398, Start Num: 2

Candidate Starts for Elephantoon\_92:

(Start: 2 @49496 has 8 MA's), (3, 49478),

Gene: Maminiaina\_91 Start: 49591, Stop: 49493, Start Num: 2

Candidate Starts for Maminiaina\_91:

(Start: 2 @49591 has 8 MA's), (3, 49573), (5, 49522),

Gene: NicoleTera\_88 Start: 49511, Stop: 49413, Start Num: 2

Candidate Starts for NicoleTera\_88:

(Start: 2 @49511 has 8 MA's), (3, 49493), (5, 49442),

Gene: Topanga\_70 Start: 44398, Stop: 44297, Start Num: 2

Candidate Starts for Topanga\_70:

(Start: 2 @44398 has 8 MA's),

Gene: Twister\_81 Start: 47598, Stop: 47497, Start Num: 2

Candidate Starts for Twister\_81:

(Start: 2 @47598 has 8 MA's),

Gene: WalterMcMickey\_80 Start: 47598, Stop: 47497, Start Num: 2  
Candidate Starts for WalterMcMickey\_80:  
(Start: 2 @47598 has 8 MA's),