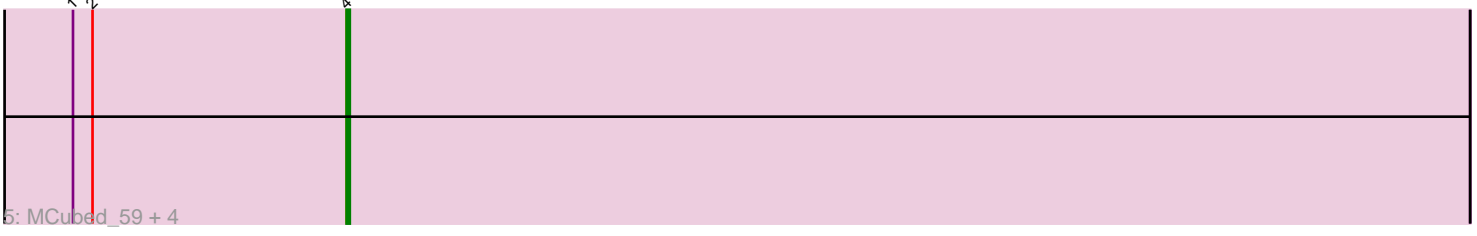
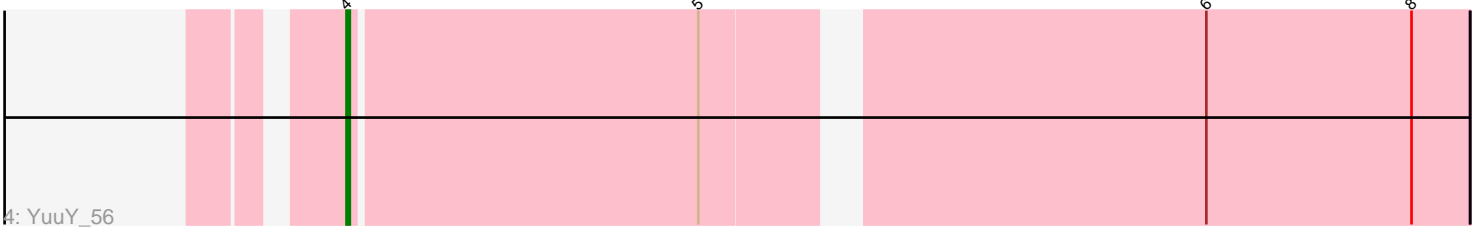
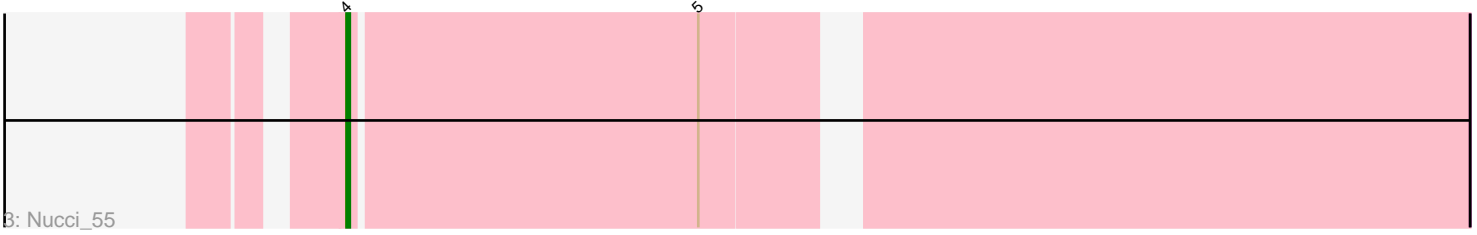
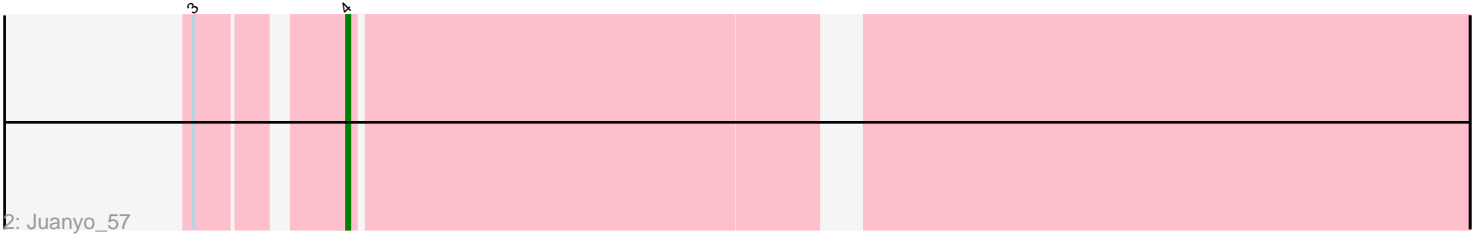
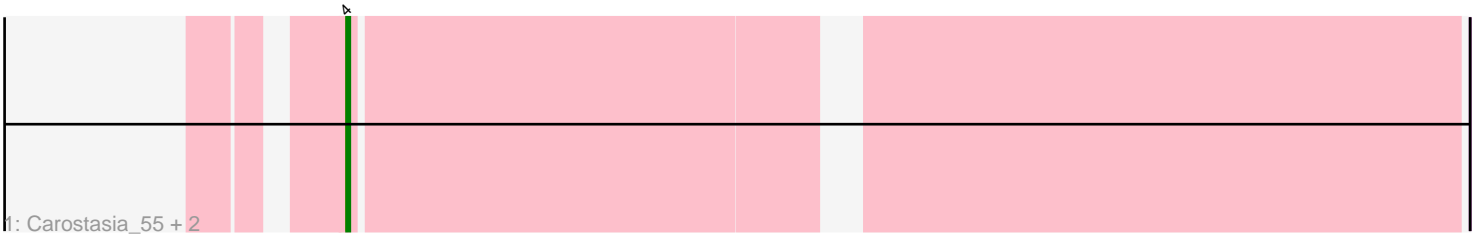


Pham 5018



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 5018 Report

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

Pham number 5018 has 16 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Carostasia\_55, Mandalorian\_55, Quartz\_56
- Track 2 : Juanyo\_57
- Track 3 : Nucci\_55
- Track 4 : YuuY\_56
- Track 5 : MCubed\_59, Zenitsu\_59, ChikPic\_59, Sansa\_57, Saratos\_59
- Track 6 : Shamu\_59, Glamour\_58, Andromedas\_59, ColaCorta\_59, Eleri\_59

### ***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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Andromedas\_59, Carostasia\_55, ChikPic\_59, ColaCorta\_59, Eleri\_59, Glamour\_58, Juanyo\_57, MCubed\_59, Mandalorian\_55, Nucci\_55, Quartz\_56, Sansa\_57, Saratos\_59, Shamu\_59, YuuY\_56, Zenitsu\_59,

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 16 of 16 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andromedas\_59 (EA2), Carostasia\_55 (EA10), ChikPic\_59 (EA2), ColaCorta\_59 (EA2), Eleri\_59 (EA2), Glamour\_58 (EA2), Juanyo\_57 (EA10), MCubed\_59 (EA2), Mandalorian\_55 (EA10), Nucci\_55 (EA10), Quartz\_56 (EA10), Sansa\_57 (EA2), Saratos\_59 (EA2), Shamu\_59 (EA2), YuuY\_56 (EA10), Zenitsu\_59 (EA2),

## Summary by clusters:

There are 2 clusters represented in this pham: EA2, EA10,

Info for manual annotations of cluster EA10:

- Start number 4 was manually annotated 5 times for cluster EA10.

Info for manual annotations of cluster EA2:

- Start number 4 was manually annotated 10 times for cluster EA2.

## Gene Information:

Gene: Andromedas\_59 Start: 38682, Stop: 38338, Start Num: 4

Candidate Starts for Andromedas\_59:

(1, 38766), (2, 38760), (Start: 4 @38682 has 15 MA's), (7, 38406),

Gene: Carostasia\_55 Start: 37065, Stop: 36742, Start Num: 4

Candidate Starts for Carostasia\_55:

(Start: 4 @37065 has 15 MA's),

Gene: ChikPic\_59 Start: 38491, Stop: 38147, Start Num: 4

Candidate Starts for ChikPic\_59:

(1, 38575), (2, 38569), (Start: 4 @38491 has 15 MA's),

Gene: ColaCorta\_59 Start: 38682, Stop: 38338, Start Num: 4

Candidate Starts for ColaCorta\_59:

(1, 38766), (2, 38760), (Start: 4 @38682 has 15 MA's), (7, 38406),

Gene: Eleri\_59 Start: 38527, Stop: 38183, Start Num: 4

Candidate Starts for Eleri\_59:

(1, 38611), (2, 38605), (Start: 4 @38527 has 15 MA's), (7, 38251),

Gene: Glamour\_58 Start: 38385, Stop: 38041, Start Num: 4

Candidate Starts for Glamour\_58:

(1, 38469), (2, 38463), (Start: 4 @38385 has 15 MA's), (7, 38109),

Gene: Juanyo\_57 Start: 37742, Stop: 37416, Start Num: 4

Candidate Starts for Juanyo\_57:

(3, 37778), (Start: 4 @37742 has 15 MA's),

Gene: MCubed\_59 Start: 38543, Stop: 38199, Start Num: 4

Candidate Starts for MCubed\_59:

(1, 38627), (2, 38621), (Start: 4 @38543 has 15 MA's),

Gene: Mandalorian\_55 Start: 37076, Stop: 36753, Start Num: 4

Candidate Starts for Mandalorian\_55:

(Start: 4 @37076 has 15 MA's),

Gene: Nucci\_55 Start: 37045, Stop: 36719, Start Num: 4

Candidate Starts for Nucci\_55:

(Start: 4 @37045 has 15 MA's), (5, 36940),

Gene: Quartz\_56 Start: 37189, Stop: 36866, Start Num: 4

Candidate Starts for Quartz\_56:

(Start: 4 @37189 has 15 MA's),

Gene: Sansa\_57 Start: 38467, Stop: 38123, Start Num: 4

Candidate Starts for Sansa\_57:

(1, 38551), (2, 38545), (Start: 4 @38467 has 15 MA's),

Gene: Saratos\_59 Start: 38511, Stop: 38167, Start Num: 4

Candidate Starts for Saratos\_59:

(1, 38595), (2, 38589), (Start: 4 @38511 has 15 MA's),

Gene: Shamu\_59 Start: 38400, Stop: 38056, Start Num: 4

Candidate Starts for Shamu\_59:

(1, 38484), (2, 38478), (Start: 4 @38400 has 15 MA's), (7, 38124),

Gene: YuuY\_56 Start: 37612, Stop: 37286, Start Num: 4

Candidate Starts for YuuY\_56:

(Start: 4 @37612 has 15 MA's), (5, 37507), (6, 37366), (8, 37303),

Gene: Zenitsu\_59 Start: 38548, Stop: 38204, Start Num: 4

Candidate Starts for Zenitsu\_59:

(1, 38632), (2, 38626), (Start: 4 @38548 has 15 MA's),