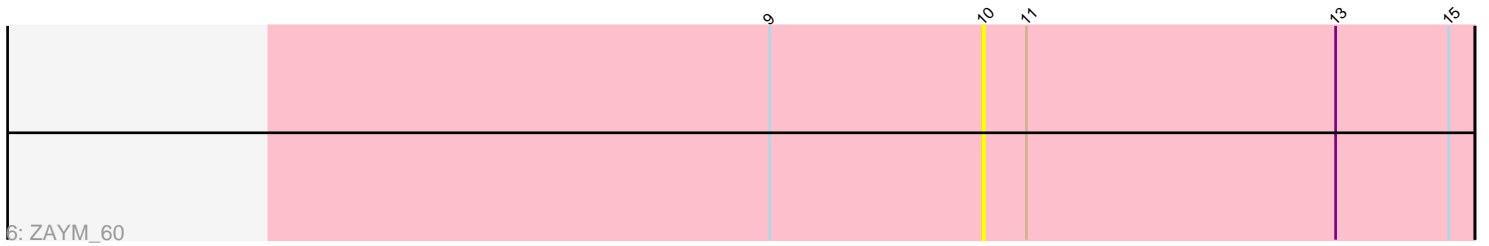
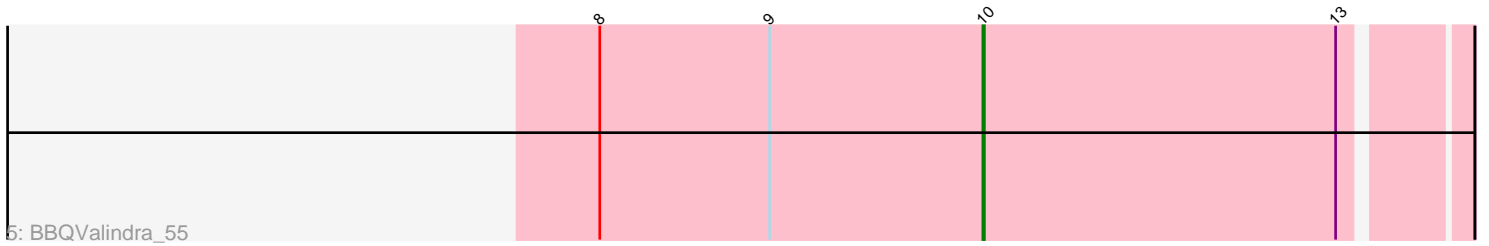
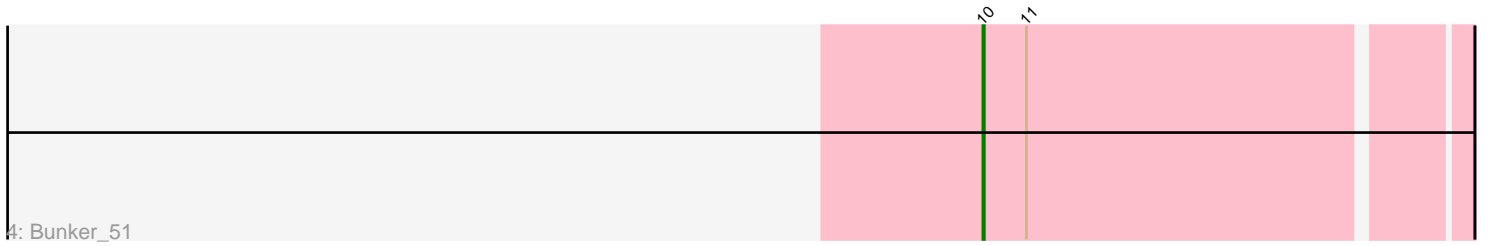
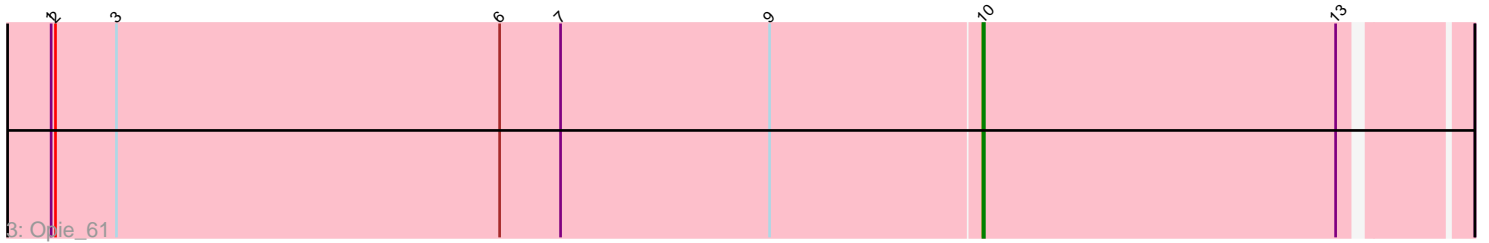
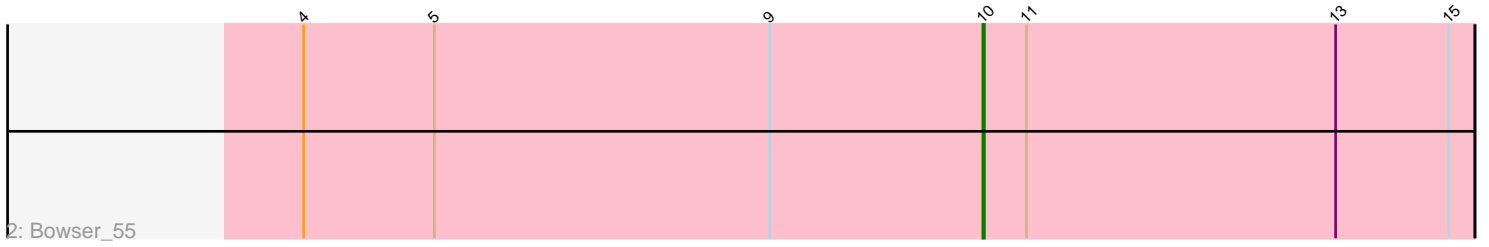
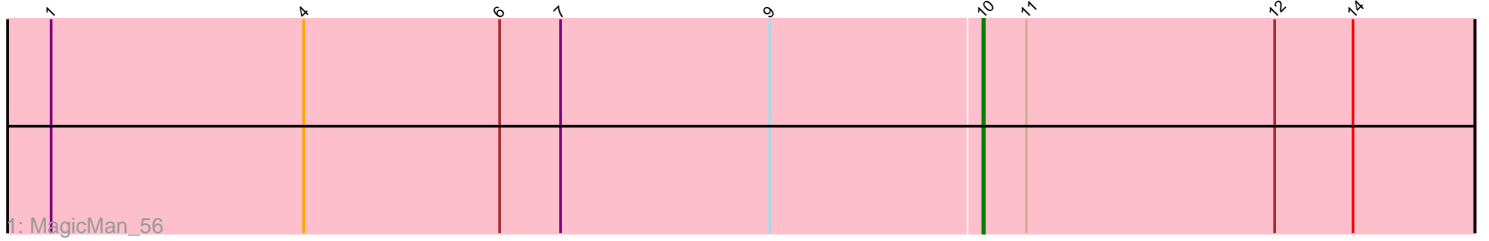


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 179690 Report

This analysis was run 11/02/24 on database version 579.

Pham number 179690 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : MagicMan\_56
- Track 2 : Bowser\_55
- Track 3 : Opie\_61
- Track 4 : Bunker\_51
- Track 5 : BBQValindra\_55
- Track 6 : ZAYM\_60

### ***Summary of Final Annotations (See graph section above for start numbers):***

The start number called the most often in the published annotations is 10, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BBQValindra\_55, Bowser\_55, Bunker\_51, MagicMan\_56, Opie\_61, ZAYM\_60,

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 10:

- Found in 6 of 6 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BBQValindra\_55 (DB), Bowser\_55 (DB), Bunker\_51 (DB), MagicMan\_56 (DB), Opie\_61 (DB), ZAYM\_60 (DB),

### **Summary by clusters:**

There is one cluster represented in this pham: DB

Info for manual annotations of cluster DB:

•Start number 10 was manually annotated 5 times for cluster DB.

**Gene Information:**

Gene: BBQValindra\_55 Start: 39865, Stop: 40185, Start Num: 10

Candidate Starts for BBQValindra\_55:

(8, 39601), (9, 39718), (Start: 10 @39865 has 5 MA's), (13, 40108),

Gene: Bowser\_55 Start: 39573, Stop: 39911, Start Num: 10

Candidate Starts for Bowser\_55:

(4, 39105), (5, 39195), (9, 39426), (Start: 10 @39573 has 5 MA's), (11, 39603), (13, 39816), (15, 39894),

Gene: Bunker\_51 Start: 38172, Stop: 38492, Start Num: 10

Candidate Starts for Bunker\_51:

(Start: 10 @38172 has 5 MA's), (11, 38202),

Gene: MagicMan\_56 Start: 39627, Stop: 39965, Start Num: 10

Candidate Starts for MagicMan\_56:

(1, 38988), (4, 39162), (6, 39297), (7, 39339), (9, 39483), (Start: 10 @39627 has 5 MA's), (11, 39657), (12, 39828), (14, 39882),

Gene: Opie\_61 Start: 40907, Stop: 41227, Start Num: 10

Candidate Starts for Opie\_61:

(1, 40268), (2, 40271), (3, 40313), (6, 40577), (7, 40619), (9, 40763), (Start: 10 @40907 has 5 MA's), (13, 41150),

Gene: ZAYM\_60 Start: 39924, Stop: 40262, Start Num: 10

Candidate Starts for ZAYM\_60:

(9, 39777), (Start: 10 @39924 has 5 MA's), (11, 39954), (13, 40167), (15, 40245),