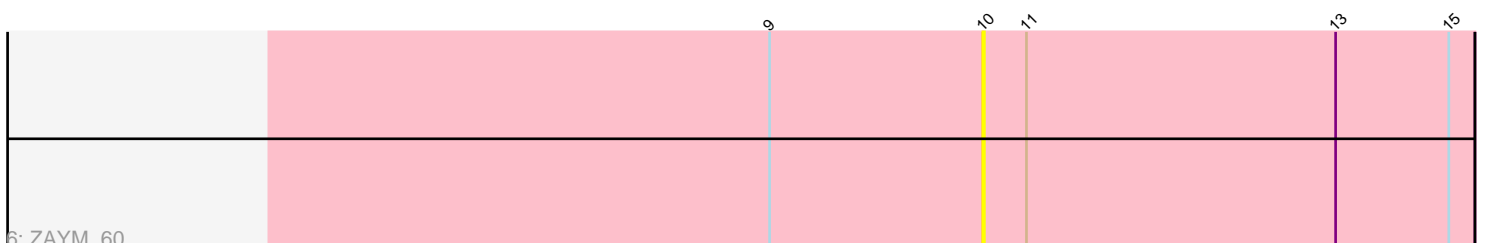
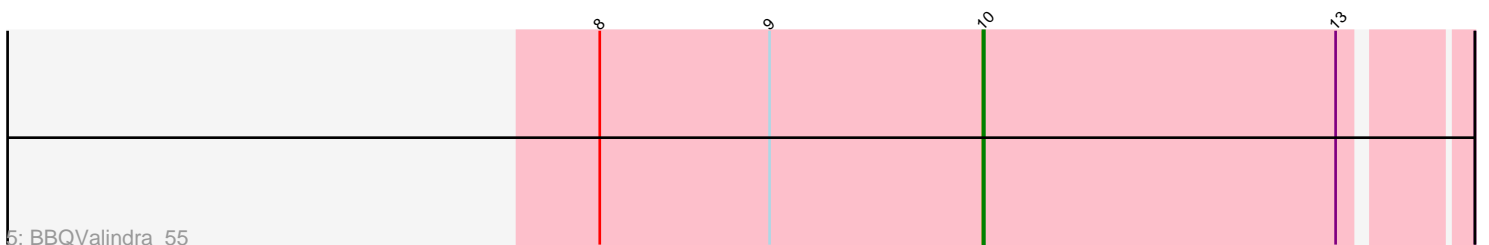
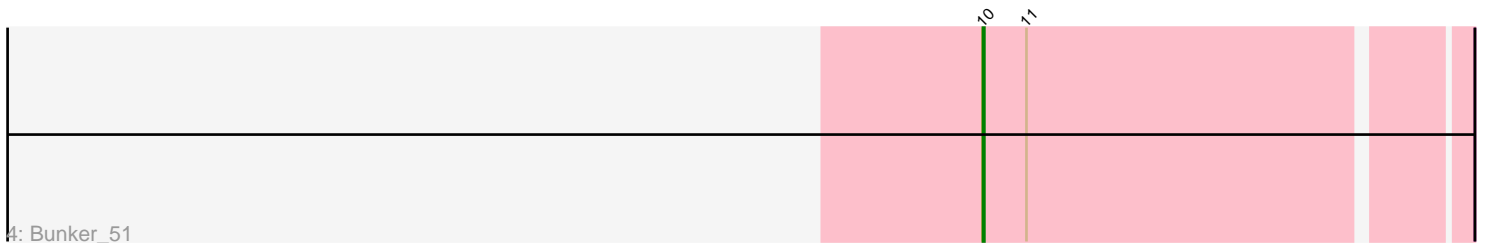
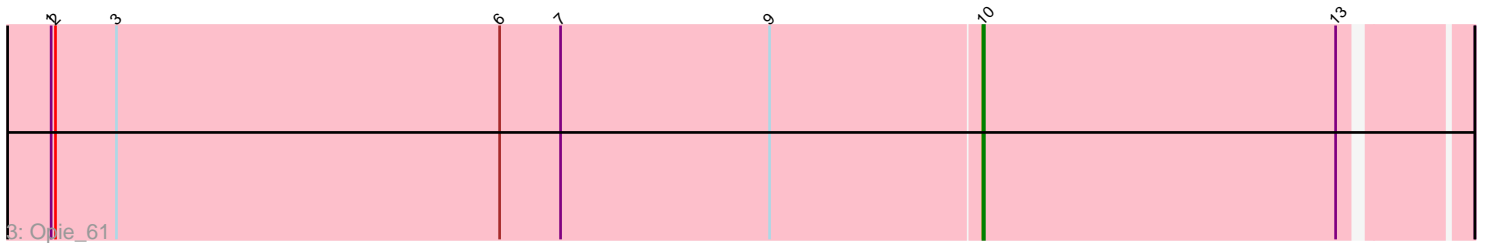
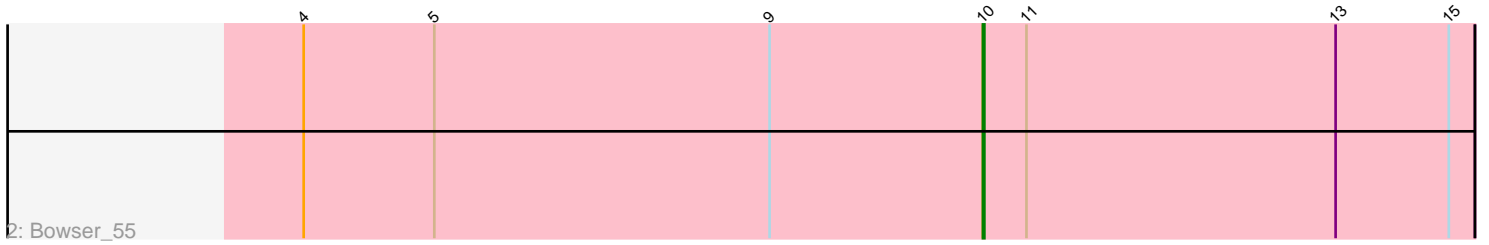
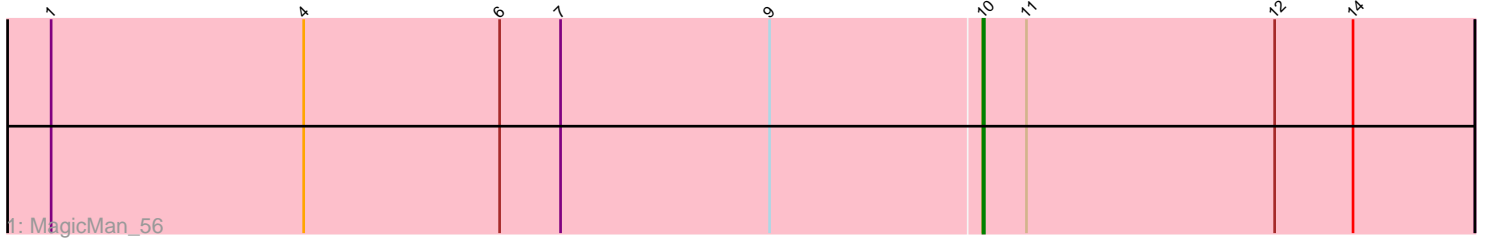


Pham 158502



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 158502 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158502 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),