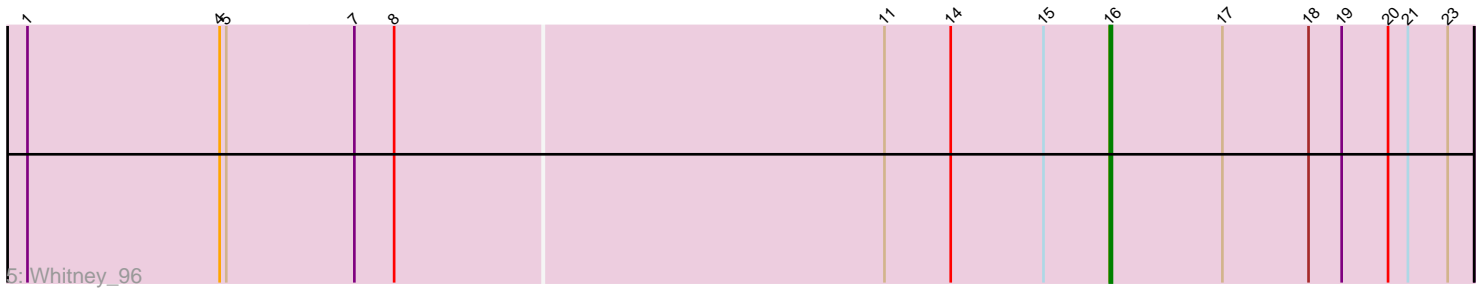
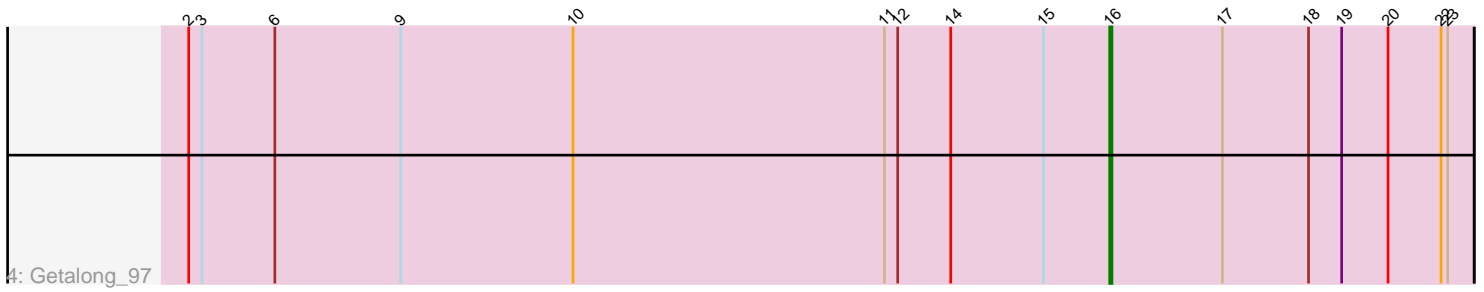
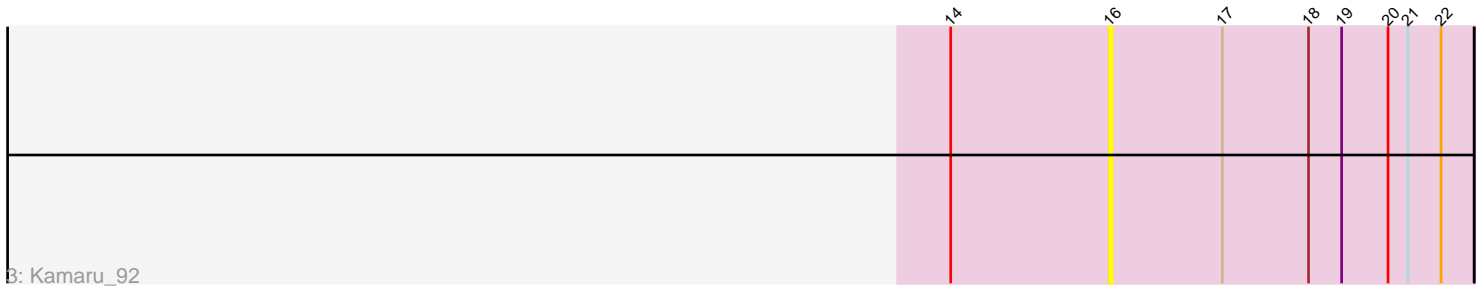
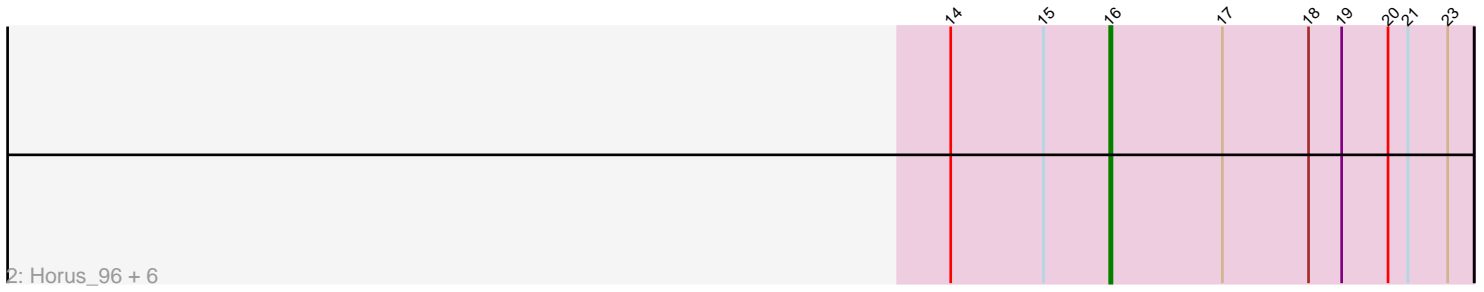
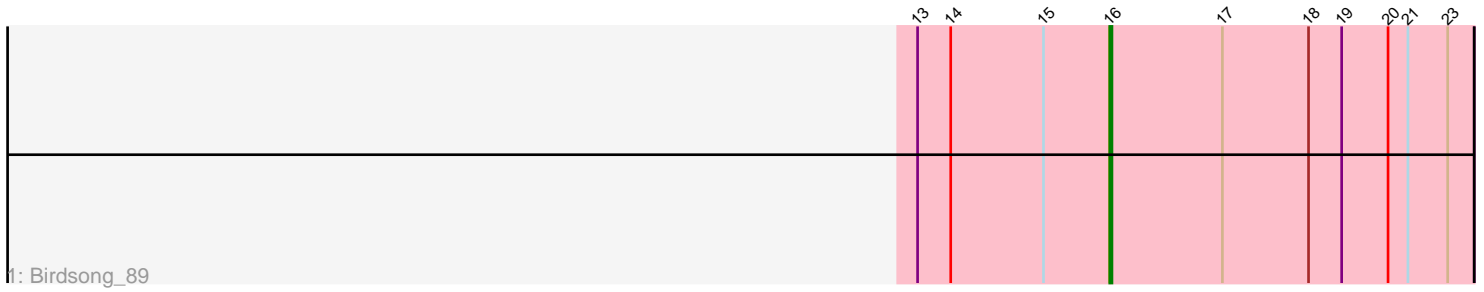


Pham 155202



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 155202 Report

This analysis was run 04/12/24 on database version 558.

Pham number 155202 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Birdsong\_89
- Track 2 : Horus\_96, Frickyeah\_101, Apricot\_95, Ecliptus\_103, Periwinkle\_104, Leroy\_96, Crater\_95
- Track 3 : Kamaru\_92
- Track 4 : Getalong\_97
- Track 5 : Whitney\_96

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

The start number called the most often in the published annotations is 16, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Apricot\_95, Birdsong\_89, Crater\_95, Ecliptus\_103, Frickyeah\_101, Getalong\_97, Horus\_96, Kamaru\_92, Leroy\_96, Periwinkle\_104, Whitney\_96,

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 16:

- Found in 11 of 11 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apricot\_95 (DN3), Birdsong\_89 (DN), Crater\_95 (DN3), Ecliptus\_103 (DN), Frickyeah\_101 (DN1), Getalong\_97 (DN1), Horus\_96 (DN1), Kamaru\_92 (DN1), Leroy\_96 (DN1), Periwinkle\_104 (DN1), Whitney\_96 (DN1),

### **Summary by clusters:**

There are 3 clusters represented in this pham: DN, DN1, DN3,

Info for manual annotations of cluster DN:

•Start number 16 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:

•Start number 16 was manually annotated 5 times for cluster DN1.

Info for manual annotations of cluster DN3:

•Start number 16 was manually annotated 2 times for cluster DN3.

### **Gene Information:**

Gene: Apricot\_95 Start: 50033, Stop: 50197, Start Num: 16

Candidate Starts for Apricot\_95:

(14, 49961), (15, 50003), (Start: 16 @50033 has 9 MA's), (17, 50084), (18, 50123), (19, 50138), (20, 50159), (21, 50168), (23, 50186),

Gene: Birdsong\_89 Start: 50367, Stop: 50531, Start Num: 16

Candidate Starts for Birdsong\_89:

(13, 50280), (14, 50295), (15, 50337), (Start: 16 @50367 has 9 MA's), (17, 50418), (18, 50457), (19, 50472), (20, 50493), (21, 50502), (23, 50520),

Gene: Crater\_95 Start: 50377, Stop: 50541, Start Num: 16

Candidate Starts for Crater\_95:

(14, 50305), (15, 50347), (Start: 16 @50377 has 9 MA's), (17, 50428), (18, 50467), (19, 50482), (20, 50503), (21, 50512), (23, 50530),

Gene: Ecliptus\_103 Start: 53576, Stop: 53740, Start Num: 16

Candidate Starts for Ecliptus\_103:

(14, 53504), (15, 53546), (Start: 16 @53576 has 9 MA's), (17, 53627), (18, 53666), (19, 53681), (20, 53702), (21, 53711), (23, 53729),

Gene: Frickyeah\_101 Start: 52323, Stop: 52487, Start Num: 16

Candidate Starts for Frickyeah\_101:

(14, 52251), (15, 52293), (Start: 16 @52323 has 9 MA's), (17, 52374), (18, 52413), (19, 52428), (20, 52449), (21, 52458), (23, 52476),

Gene: Getalong\_97 Start: 53019, Stop: 53183, Start Num: 16

Candidate Starts for Getalong\_97:

(2, 52602), (3, 52608), (6, 52641), (9, 52698), (10, 52776), (11, 52917), (12, 52923), (14, 52947), (15, 52989), (Start: 16 @53019 has 9 MA's), (17, 53070), (18, 53109), (19, 53124), (20, 53145), (22, 53169), (23, 53172),

Gene: Horus\_96 Start: 52598, Stop: 52762, Start Num: 16

Candidate Starts for Horus\_96:

(14, 52526), (15, 52568), (Start: 16 @52598 has 9 MA's), (17, 52649), (18, 52688), (19, 52703), (20, 52724), (21, 52733), (23, 52751),

Gene: Kamaru\_92 Start: 50054, Stop: 50218, Start Num: 16

Candidate Starts for Kamaru\_92:

(14, 49982), (Start: 16 @50054 has 9 MA's), (17, 50105), (18, 50144), (19, 50159), (20, 50180), (21, 50189), (22, 50204),

Gene: Leroy\_96 Start: 50793, Stop: 50957, Start Num: 16

Candidate Starts for Leroy\_96:

(14, 50721), (15, 50763), (Start: 16 @50793 has 9 MA's), (17, 50844), (18, 50883), (19, 50898), (20, 50919), (21, 50928), (23, 50946),

Gene: Periwinkle\_104 Start: 53600, Stop: 53764, Start Num: 16

Candidate Starts for Periwinkle\_104:

(14, 53528), (15, 53570), (Start: 16 @53600 has 9 MA's), (17, 53651), (18, 53690), (19, 53705), (20, 53726), (21, 53735), (23, 53753),

Gene: Whitney\_96 Start: 53279, Stop: 53443, Start Num: 16

Candidate Starts for Whitney\_96:

(1, 52793), (4, 52880), (5, 52883), (7, 52940), (8, 52958), (11, 53177), (14, 53207), (15, 53249), (Start: 16 @53279 has 9 MA's), (17, 53330), (18, 53369), (19, 53384), (20, 53405), (21, 53414), (23, 53432),