Pham 155202

1: Birdsong_89

2: Horus_96 + 6

3: Kamaru_92

4: Getalong_97

5: Whitney_96
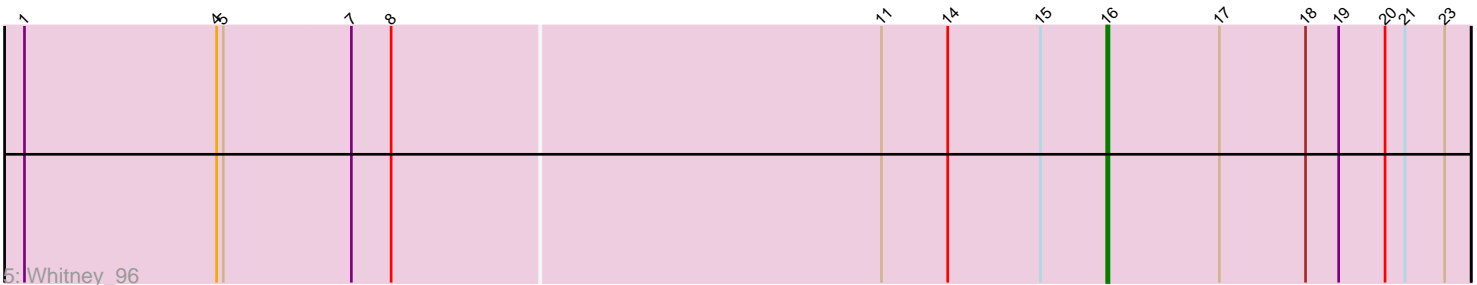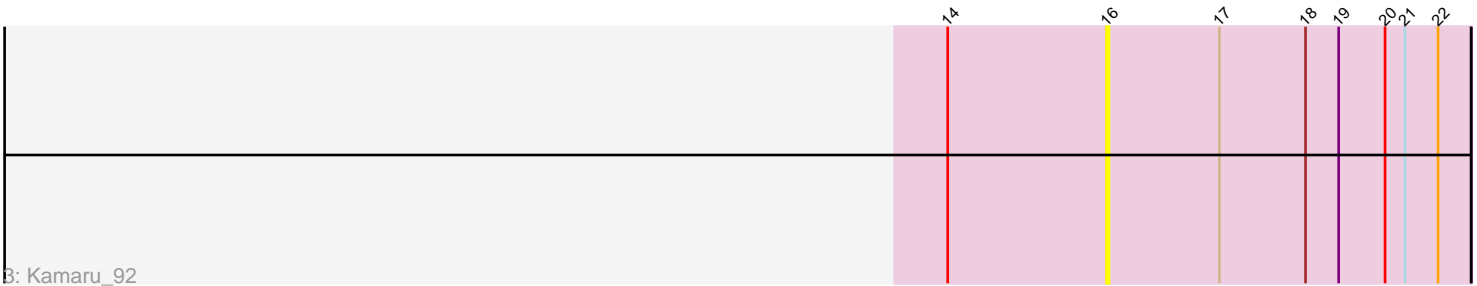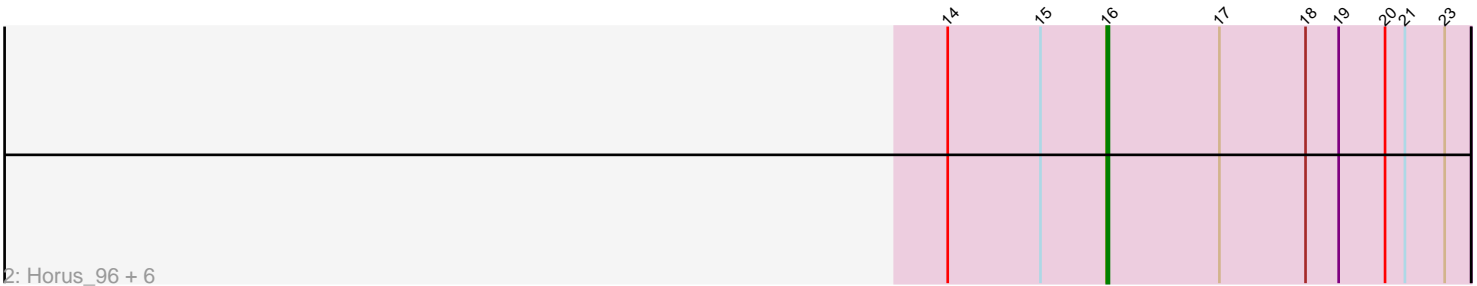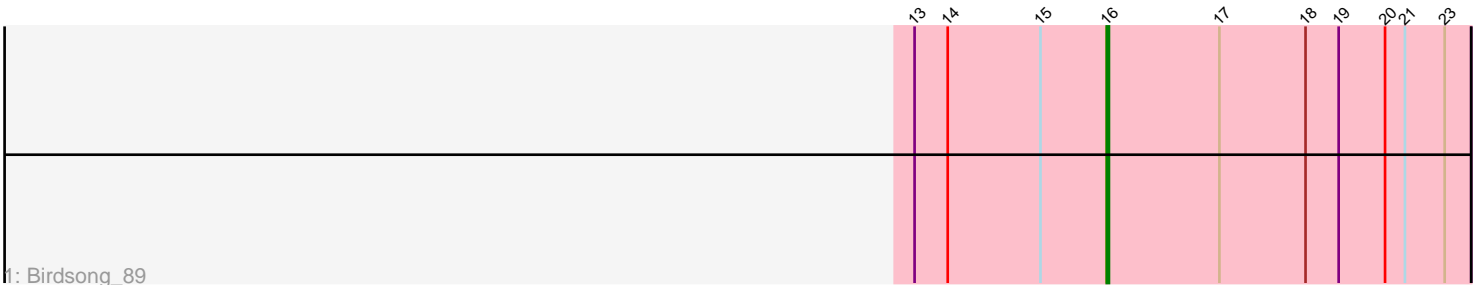
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 04/28/24 on database version 559.

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),