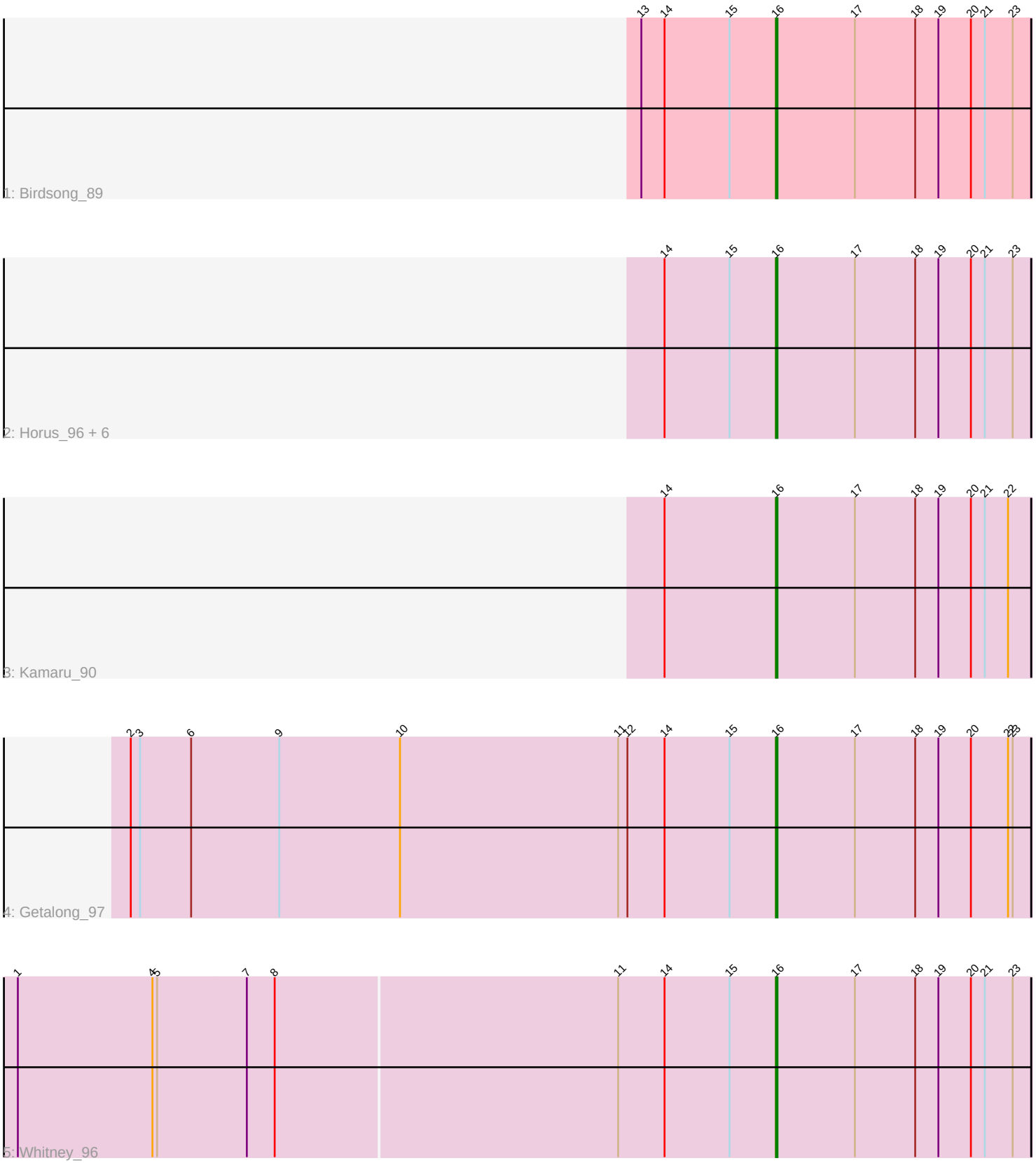
Pham 167166


13
14
15
16
17
18
19
20
21
23
1: Birdsong_89
14
15
16
17
18
19
20
21
23
2: Horus_96 + 6
14
16
17
18
19
20
21
22
3: Kamaru_90
2
3
6
9
10
11
12
14
15
16
17
18
19
20
22
23
4: Getalong_97
1
4
5
7
8
11
14
15
16
17
18
19
20
21
23
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 167166 Report

This analysis was run 07/09/24 on database version 566.

Pham number 167166 has 11 members, 1 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_90
• 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 10 of the 10 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_90, 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: 10 of 10
• 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_90 (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 6 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 10 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 10 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 10 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 10 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 10 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 10 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 10 MA's), (17, 52649), (18, 52688), (19, 52703), (20, 52724), (21, 52733), (23, 52751),

Gene: Kamaru_90 Start: 50054, Stop: 50218, Start Num: 16

Candidate Starts for Kamaru_90:
(14, 49982), (Start: 16 @50054 has 10 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 10 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 10 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 10 MA's), (17, 53330), (18, 53369), (19, 53384), (20, 53405), (21, 53414), (23, 53432),