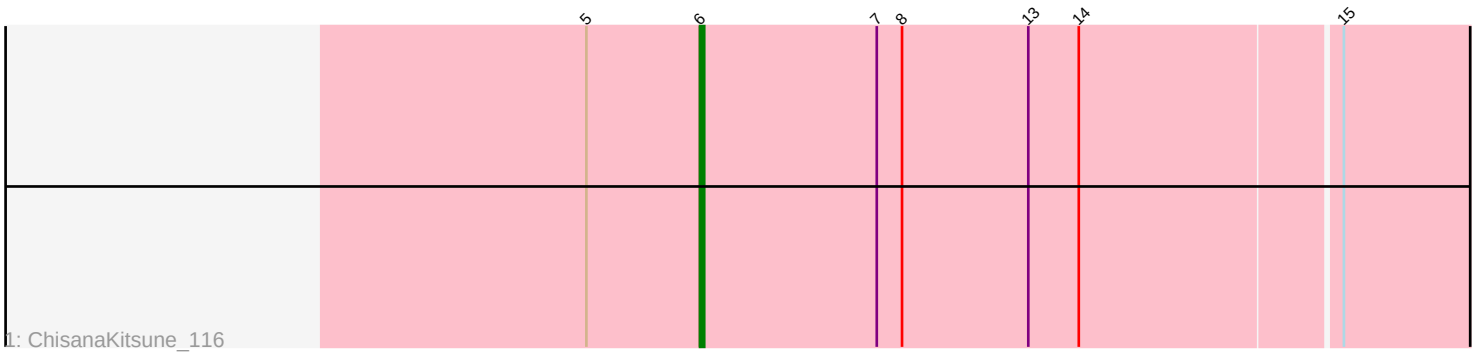
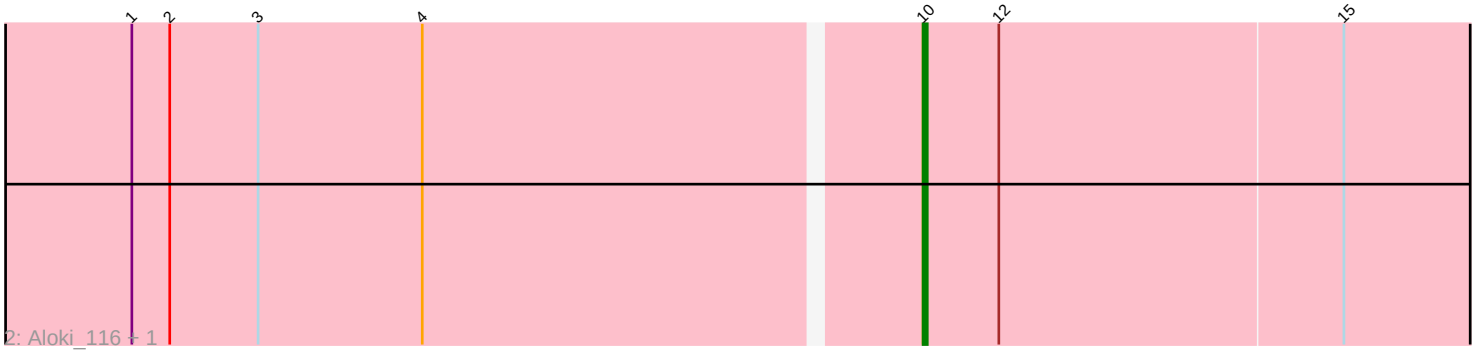
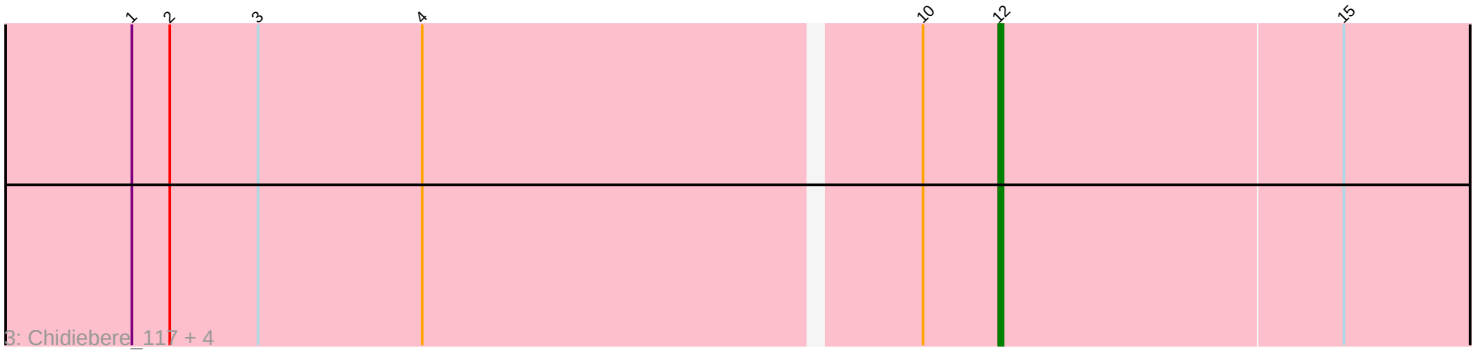
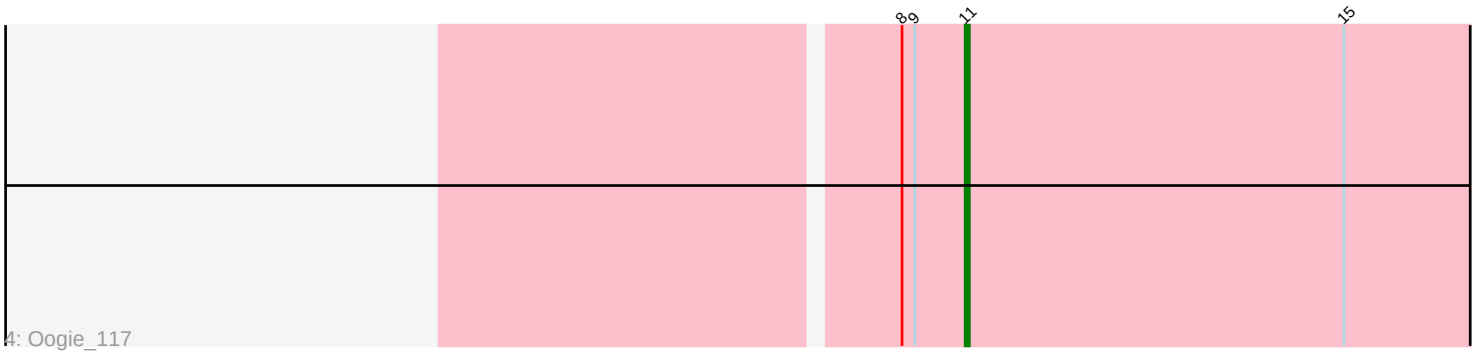
Pham 312341


5
6
7
8
13
14
15
1: ChisanaKitsune_116


1
2
3
4
10
12
15
2: Aloki_116 + 1


1
2
3
4
10
12
15
3: Chidiebere_117 + 4


8
9
11
15
4: Oogie_117

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 312341 Report

This analysis was run 09/05/26 on database version 662.

Pham number 312341 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : ChisanaKitsune_116
• Track 2 : Aloki_116, Gray_114
• Track 3 : Chidiebere_117, Hanem_116, Kabocha_118, Farrylious_117, Schomber_115
• Track 4 : Oogie_117

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

The start number called the most often in the published annotations is 12, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chidiebere_117, Farrylious_117, Hanem_116, Kabocha_118, Schomber_115,

Genes that have the "Most Annotated" start but do not call it:
• Aloki_116, Gray_114,

Genes that do not have the "Most Annotated" start:
• ChisanaKitsune_116, Oogie_117,

Summary by start number:

Start 6:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ChisanaKitsune_116 (DQ),

Start 10:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Aloki_116 (DQ), Gray_114 (DQ),

Start 11:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Oogie_117 (DQ),

Start 12:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Chidiebere_117 (DQ), Farrylious_117 (DQ), Hanem_116 (DQ), Kabocha_118 (DQ), Schomber_115 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 6 was manually annotated 1 time for cluster DQ.
•Start number 10 was manually annotated 2 times for cluster DQ.
•Start number 11 was manually annotated 1 time for cluster DQ.
•Start number 12 was manually annotated 5 times for cluster DQ.

Gene Information:

Gene: Aloki_116 Start: 80897, Stop: 81310, Start Num: 10
Candidate Starts for Aloki_116:
(1, 80714), (2, 80723), (3, 80744), (4, 80783), (Start: 10 @80897 has 2 MA's), (Start: 12 @80915 has 5 MA's), (15, 80996),

Gene: Chidiebere_117 Start: 82045, Stop: 82440, Start Num: 12
Candidate Starts for Chidiebere_117:
(1, 81844), (2, 81853), (3, 81874), (4, 81913), (Start: 10 @82027 has 2 MA's), (Start: 12 @82045 has 5 MA's), (15, 82126),

Gene: ChisanaKitsune_116 Start: 80980, Stop: 81447, Start Num: 6
Candidate Starts for ChisanaKitsune_116:
(5, 80953), (Start: 6 @80980 has 1 MA's), (7, 81022), (8, 81028), (13, 81058), (14, 81070), (15, 81130),

Gene: Farrylious_117 Start: 81720, Stop: 82112, Start Num: 12
Candidate Starts for Farrylious_117:
(1, 81519), (2, 81528), (3, 81549), (4, 81588), (Start: 10 @81702 has 2 MA's), (Start: 12 @81720 has 5 MA's), (15, 81801),

Gene: Gray_114 Start: 81360, Stop: 81770, Start Num: 10
Candidate Starts for Gray_114:
(1, 81177), (2, 81186), (3, 81207), (4, 81246), (Start: 10 @81360 has 2 MA's), (Start: 12 @81378 has 5 MA's), (15, 81459),

Gene: Hanem_116 Start: 80915, Stop: 81310, Start Num: 12
Candidate Starts for Hanem_116:

(1, 80714), (2, 80723), (3, 80744), (4, 80783), (Start: 10 @80897 has 2 MA's), (Start: 12 @80915 has 5 MA's), (15, 80996),

Gene: Kabocha_118 Start: 82858, Stop: 83253, Start Num: 12
Candidate Starts for Kabocha_118:
(1, 82657), (2, 82666), (3, 82687), (4, 82726), (Start: 10 @82840 has 2 MA's), (Start: 12 @82858 has 5 MA's), (15, 82939),

Gene: Oogie_117 Start: 82867, Stop: 83274, Start Num: 11
Candidate Starts for Oogie_117:
(8, 82852), (9, 82855), (Start: 11 @82867 has 1 MA's), (15, 82957),

Gene: Schomber_115 Start: 81246, Stop: 81641, Start Num: 12
Candidate Starts for Schomber_115:
(1, 81045), (2, 81054), (3, 81075), (4, 81114), (Start: 10 @81228 has 2 MA's), (Start: 12 @81246 has 5 MA's), (15, 81327),