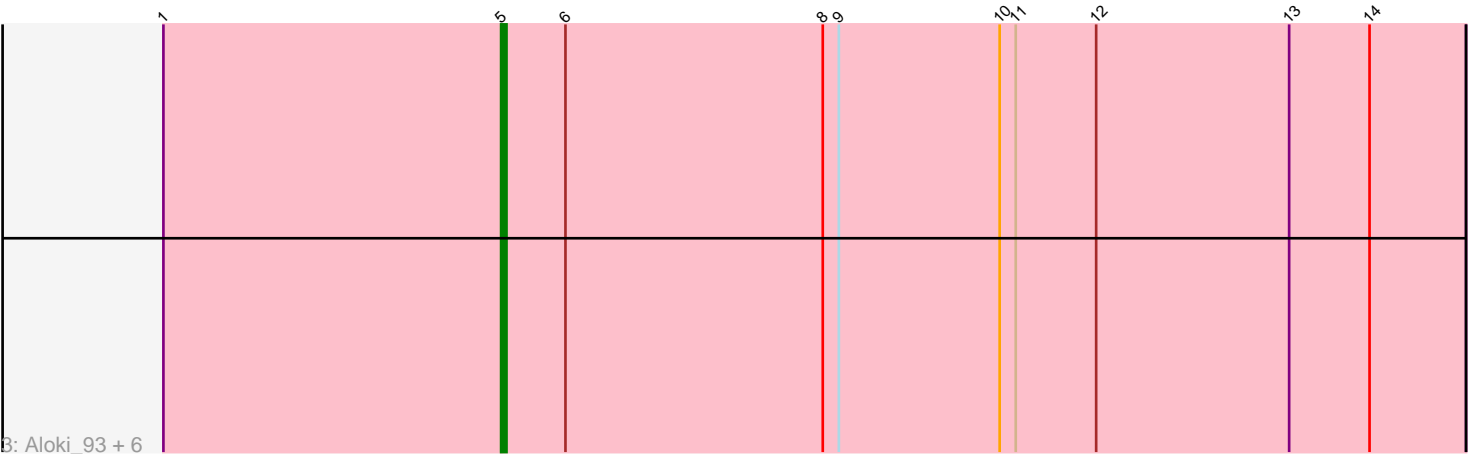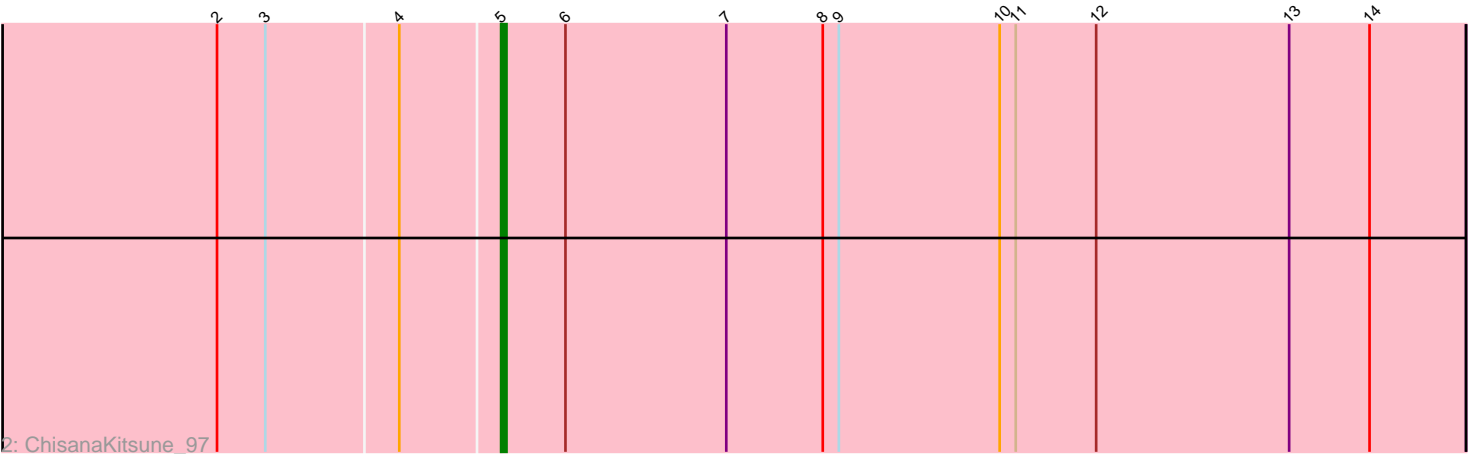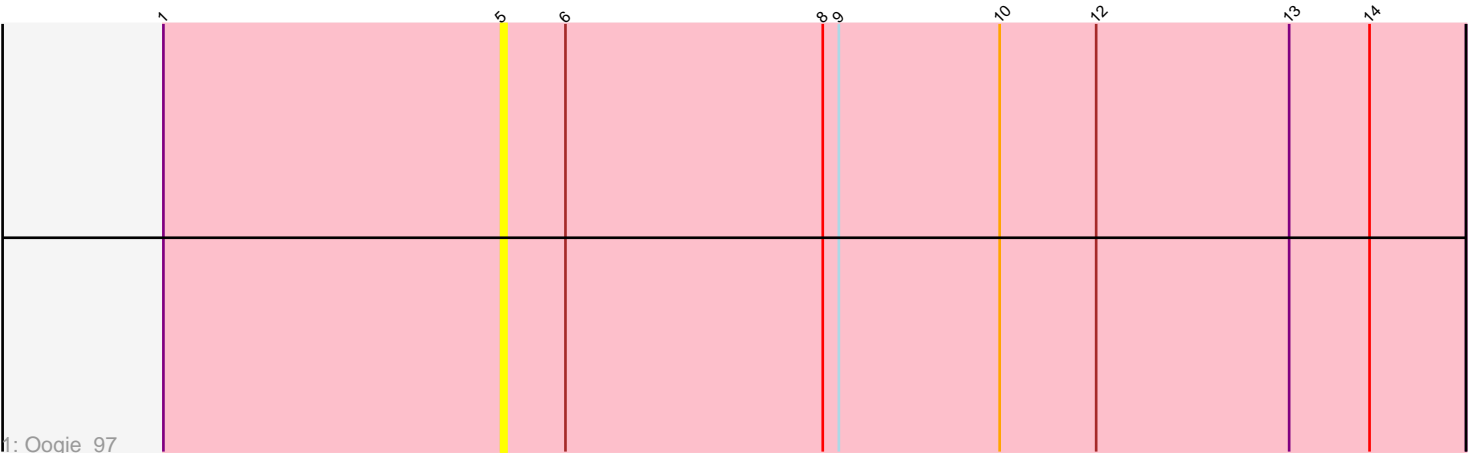# Pham 10947

1: Oogie_97

2: ChisanaKitsune_97

3: Aloki_93 + 6

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 10947 Report

This analysis was run 04/05/24 on database version 557.

Pham number 10947 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Oogie_97
• Track 2 : ChisanaKitsune_97
• Track 3 : Aloki_93, Pakusa_94, Gray_99, Kabocha_100, Schomber_97, Chidiebere_99, Hanem_98

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_93, Chidiebere_99, ChisanaKitsune_97, Gray_99, Hanem_98, Kabocha_100, Oogie_97, Pakusa_94, Schomber_97,

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 5:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_93 (DQ), Chidiebere_99 (DQ), ChisanaKitsune_97 (DQ), Gray_99 (DQ), Hanem_98 (DQ), Kabocha_100 (DQ), Oogie_97 (DQ), Pakusa_94 (DQ), Schomber_97 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 5 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Aloki_93 Start: 72852, Stop: 73031, Start Num: 5
Candidate Starts for Aloki_93:
(1, 72789), (Start: 5 @72852 has 6 MA's), (6, 72864), (8, 72912), (9, 72915), (10, 72945), (11, 72948), (12, 72963), (13, 72999), (14, 73014),

Gene: Chidiebere_99 Start: 73502, Stop: 73681, Start Num: 5
Candidate Starts for Chidiebere_99:
(1, 73439), (Start: 5 @73502 has 6 MA's), (6, 73514), (8, 73562), (9, 73565), (10, 73595), (11, 73598), (12, 73613), (13, 73649), (14, 73664),

Gene: ChisanaKitsune_97 Start: 72850, Stop: 73029, Start Num: 5
Candidate Starts for ChisanaKitsune_97:
(2, 72799), (3, 72808), (4, 72832), (Start: 5 @72850 has 6 MA's), (6, 72862), (7, 72892), (8, 72910), (9, 72913), (10, 72943), (11, 72946), (12, 72961), (13, 72997), (14, 73012),

Gene: Gray_99 Start: 73113, Stop: 73292, Start Num: 5
Candidate Starts for Gray_99:
(1, 73050), (Start: 5 @73113 has 6 MA's), (6, 73125), (8, 73173), (9, 73176), (10, 73206), (11, 73209), (12, 73224), (13, 73260), (14, 73275),

Gene: Hanem_98 Start: 72852, Stop: 73031, Start Num: 5
Candidate Starts for Hanem_98:
(1, 72789), (Start: 5 @72852 has 6 MA's), (6, 72864), (8, 72912), (9, 72915), (10, 72945), (11, 72948), (12, 72963), (13, 72999), (14, 73014),

Gene: Kabocha_100 Start: 74315, Stop: 74494, Start Num: 5
Candidate Starts for Kabocha_100:
(1, 74252), (Start: 5 @74315 has 6 MA's), (6, 74327), (8, 74375), (9, 74378), (10, 74408), (11, 74411), (12, 74426), (13, 74462), (14, 74477),

Gene: Oogie_97 Start: 74788, Stop: 74967, Start Num: 5
Candidate Starts for Oogie_97:
(1, 74725), (Start: 5 @74788 has 6 MA's), (6, 74800), (8, 74848), (9, 74851), (10, 74881), (12, 74899), (13, 74935), (14, 74950),

Gene: Pakusa_94 Start: 72578, Stop: 72757, Start Num: 5
Candidate Starts for Pakusa_94:
(1, 72515), (Start: 5 @72578 has 6 MA's), (6, 72590), (8, 72638), (9, 72641), (10, 72671), (11, 72674), (12, 72689), (13, 72725), (14, 72740),

Gene: Schomber_97 Start: 72703, Stop: 72882, Start Num: 5
Candidate Starts for Schomber_97:
(1, 72640), (Start: 5 @72703 has 6 MA's), (6, 72715), (8, 72763), (9, 72766), (10, 72796), (11, 72799), (12, 72814), (13, 72850), (14, 72865),