Pham 11374

1: Gray_105 + 1

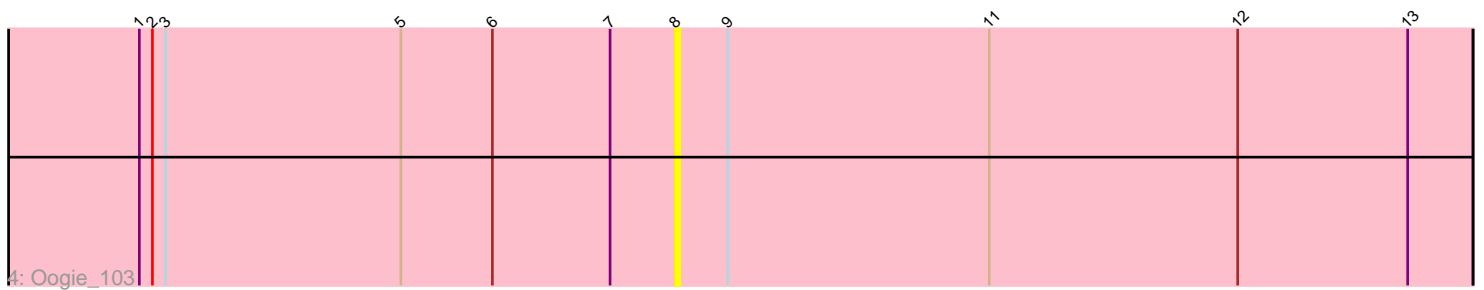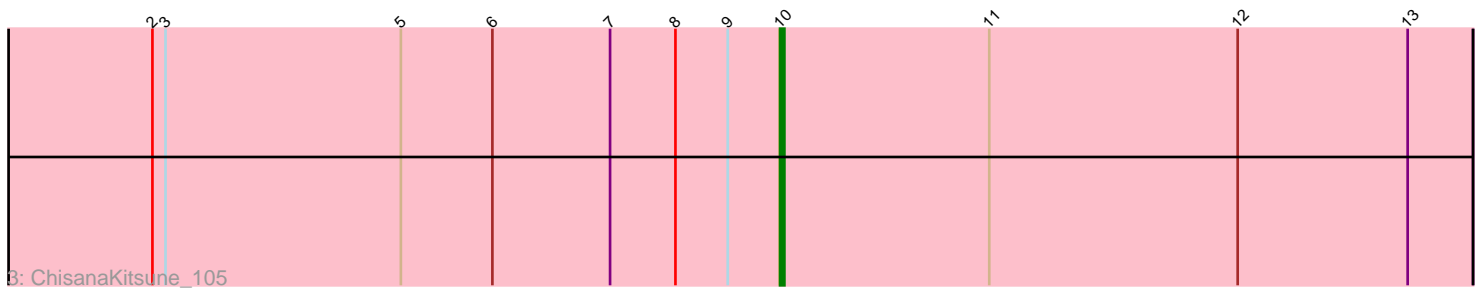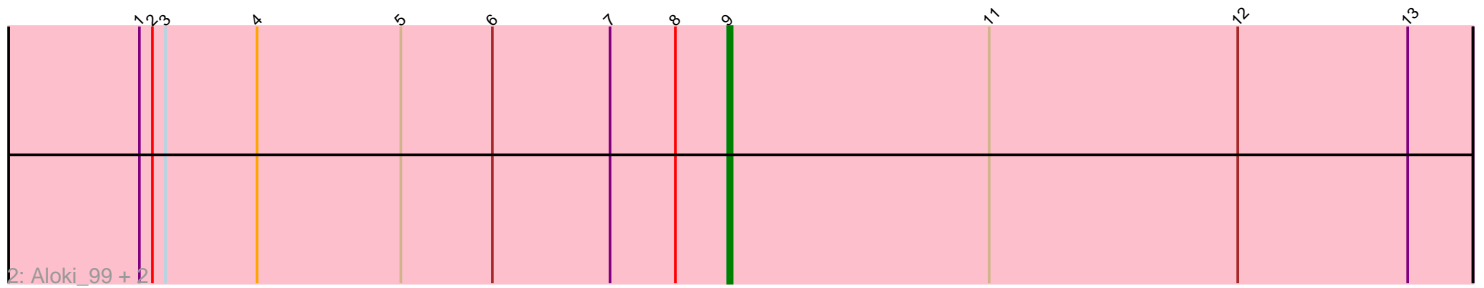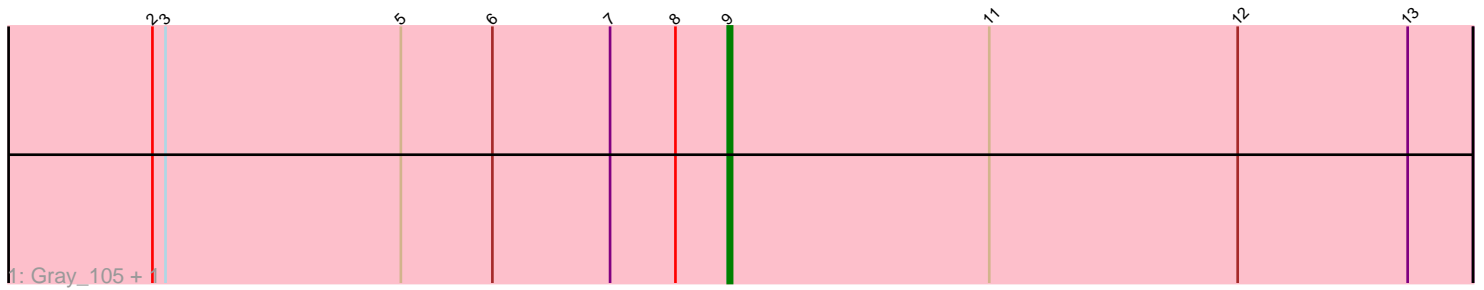2: Aloki_99 + 2

3: ChisanaKitsune_105

4: Oogie_103

5: Chidiebere_107 + 1

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 11374 Report

This analysis was run 04/28/24 on database version 559.

Pham number 11374 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Gray_105, Pakusa_100
• Track 2 : Aloki_99, Schomber_105, Kabocha_108
• Track 3 : ChisanaKitsune_105
• Track 4 : Oogie_103
• Track 5 : Chidiebere_107, Hanem_106

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

The start number called the most often in the published annotations is 9, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_99, Gray_105, Kabocha_108, Pakusa_100, Schomber_105,

Genes that have the "Most Annotated" start but do not call it:
• Chidiebere_107, ChisanaKitsune_105, Hanem_106, Oogie_103,

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

Summary by start number:

Start 8:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Chidiebere_107 (DQ), Hanem_106 (DQ), Oogie_103 (DQ),

Start 9:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 55.6% of time when present

• Phage (with cluster) where this start called: Aloki_99 (DQ), Gray_105 (DQ), Kabocha_108 (DQ), Pakusa_100 (DQ), Schomber_105 (DQ),

Start 10:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ChisanaKitsune_105 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 8 was manually annotated 2 times for cluster DQ.
•Start number 9 was manually annotated 3 times for cluster DQ.
•Start number 10 was manually annotated 1 time for cluster DQ.

Gene Information:

Gene: Aloki_99 Start: 75976, Stop: 76146, Start Num: 9
Candidate Starts for Aloki_99:
(1, 75841), (2, 75844), (3, 75847), (4, 75868), (5, 75901), (6, 75922), (7, 75949), (Start: 8 @75964 has 2 MA's), (Start: 9 @75976 has 3 MA's), (11, 76036), (12, 76093), (13, 76132),

Gene: Chidiebere_107 Start: 77094, Stop: 77276, Start Num: 8
Candidate Starts for Chidiebere_107:
(1, 76971), (2, 76974), (3, 76977), (4, 76998), (5, 77031), (6, 77052), (7, 77079), (Start: 8 @77094 has 2 MA's), (Start: 9 @77106 has 3 MA's), (11, 77166), (12, 77223), (13, 77262),

Gene: ChisanaKitsune_105 Start: 75986, Stop: 76144, Start Num: 10
Candidate Starts for ChisanaKitsune_105:
(2, 75842), (3, 75845), (5, 75899), (6, 75920), (7, 75947), (Start: 8 @75962 has 2 MA's), (Start: 9 @75974 has 3 MA's), (Start: 10 @75986 has 1 MA's), (11, 76034), (12, 76091), (13, 76130),

Gene: Gray_105 Start: 76237, Stop: 76407, Start Num: 9
Candidate Starts for Gray_105:
(2, 76105), (3, 76108), (5, 76162), (6, 76183), (7, 76210), (Start: 8 @76225 has 2 MA's), (Start: 9 @76237 has 3 MA's), (11, 76297), (12, 76354), (13, 76393),

Gene: Hanem_106 Start: 75964, Stop: 76146, Start Num: 8
Candidate Starts for Hanem_106:
(1, 75841), (2, 75844), (3, 75847), (4, 75868), (5, 75901), (6, 75922), (7, 75949), (Start: 8 @75964 has 2 MA's), (Start: 9 @75976 has 3 MA's), (11, 76036), (12, 76093), (13, 76132),

Gene: Kabocha_108 Start: 77919, Stop: 78089, Start Num: 9
Candidate Starts for Kabocha_108:
(1, 77784), (2, 77787), (3, 77790), (4, 77811), (5, 77844), (6, 77865), (7, 77892), (Start: 8 @77907 has 2 MA's), (Start: 9 @77919 has 3 MA's), (11, 77979), (12, 78036), (13, 78075),

Gene: Oogie_103 Start: 77902, Stop: 78084, Start Num: 8

Candidate Starts for Oogie_103:
(1, 77779), (2, 77782), (3, 77785), (5, 77839), (6, 77860), (7, 77887), (Start: 8 @77902 has 2 MA's), (Start: 9 @77914 has 3 MA's), (11, 77974), (12, 78031), (13, 78070),

Gene: Pakusa_100 Start: 75702, Stop: 75872, Start Num: 9
Candidate Starts for Pakusa_100:
(2, 75570), (3, 75573), (5, 75627), (6, 75648), (7, 75675), (Start: 8 @75690 has 2 MA's), (Start: 9 @75702 has 3 MA's), (11, 75762), (12, 75819), (13, 75858),

Gene: Schomber_105 Start: 76307, Stop: 76477, Start Num: 9
Candidate Starts for Schomber_105:
(1, 76172), (2, 76175), (3, 76178), (4, 76199), (5, 76232), (6, 76253), (7, 76280), (Start: 8 @76295 has 2 MA's), (Start: 9 @76307 has 3 MA's), (11, 76367), (12, 76424), (13, 76463),