Pham 200920

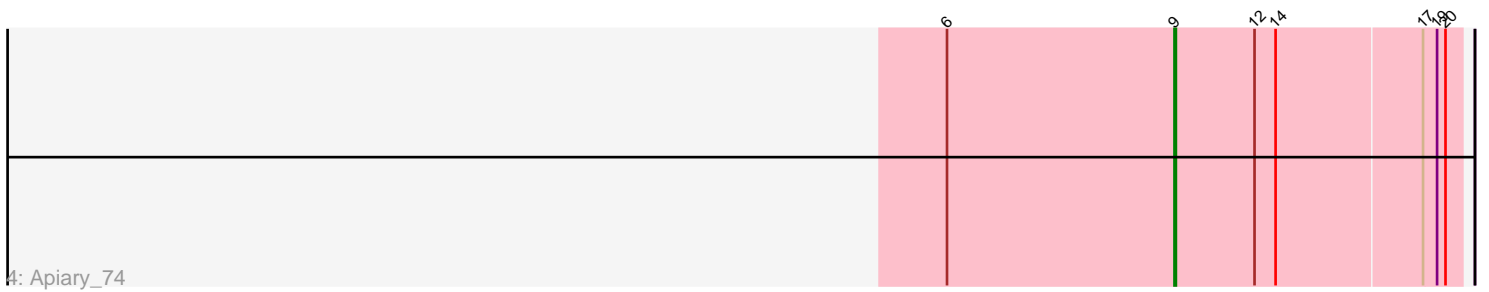1: GuyFagieri_72
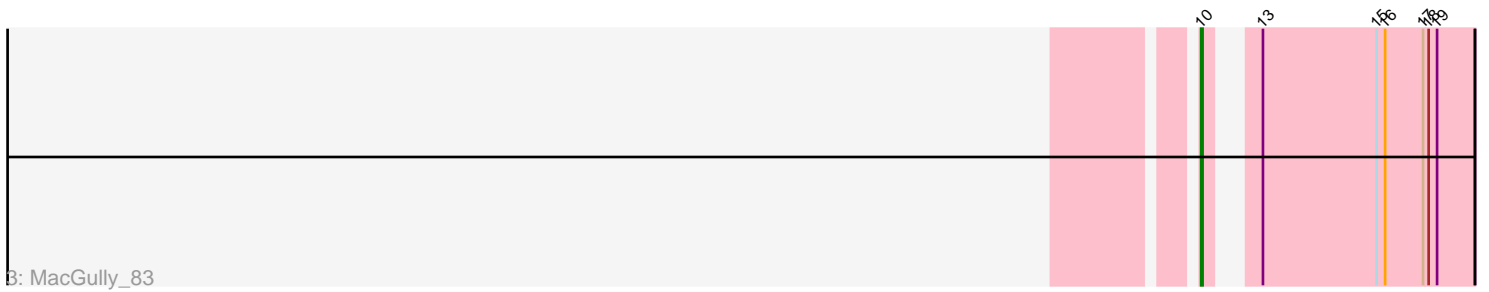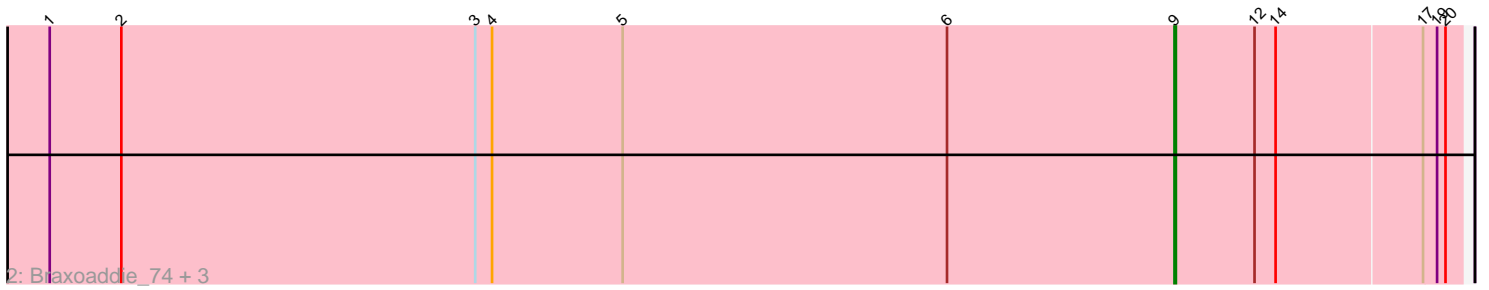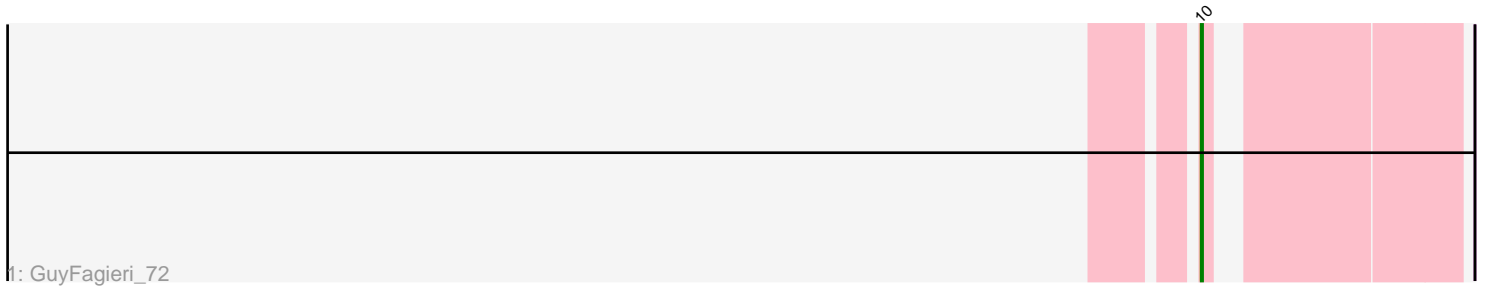
2: Braxoaddle_74 + 3

3: MacGully_83

4: Apiary_74

5: ChewyVIII_84

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 200920 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200920 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : GuyFagieri_72
• Track 2 : Braxoaddie_74, Maselop_74, Polyyuki_74, CoffeeBean_74
• Track 3 : MacGully_83
• Track 4 : Apiary_74
• Track 5 : ChewyVIII_84

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apiary_74, Braxoaddie_74, CoffeeBean_74, Maselop_74, Polyyuki_74,

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

Genes that do not have the "Most Annotated" start:
• ChewyVIII_84, GuyFagieri_72, MacGully_83,

Summary by start number:

Start 9:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apiary_74 (CR), Braxoaddie_74 (CR), CoffeeBean_74 (CR), Maselop_74 (CR), Polyyuki_74 (CR),

Start 10:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GuyFagieri_72 (CR), MacGully_83 (CR),

Start 11:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ChewyVIII_84 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: CR, singleton,

Info for manual annotations of cluster CR:
•Start number 9 was manually annotated 5 times for cluster CR.
•Start number 10 was manually annotated 2 times for cluster CR.

Gene Information:
Gene: Apiary_74 Start: 53618, Stop: 53418, Start Num: 9
Candidate Starts for Apiary_74:
(6, 53780), (Start: 9 @53618 has 5 MA's), (12, 53561), (14, 53546), (17, 53444), (19, 53435), (20, 53429),

Gene: Braxoaddie_74 Start: 53604, Stop: 53404, Start Num: 9
Candidate Starts for Braxoaddie_74:
(1, 54405), (2, 54354), (3, 54102), (4, 54090), (5, 53997), (6, 53766), (Start: 9 @53604 has 5 MA's), (12, 53547), (14, 53532), (17, 53430), (19, 53421), (20, 53415),

Gene: ChewyVIII_84 Start: 62052, Stop: 61891, Start Num: 11
Candidate Starts for ChewyVIII_84:
(7, 62151), (8, 62085), (Start: 11 @62052 has 1 MA's),

Gene: CoffeeBean_74 Start: 53562, Stop: 53362, Start Num: 9
Candidate Starts for CoffeeBean_74:
(1, 54363), (2, 54312), (3, 54060), (4, 54048), (5, 53955), (6, 53724), (Start: 9 @53562 has 5 MA's), (12, 53505), (14, 53490), (17, 53388), (19, 53379), (20, 53373),

Gene: GuyFagieri_72 Start: 53418, Stop: 53260, Start Num: 10
Candidate Starts for GuyFagieri_72:
(Start: 10 @53418 has 2 MA's),

Gene: MacGully_83 Start: 56833, Stop: 56663, Start Num: 10
Candidate Starts for MacGully_83:
(Start: 10 @56833 has 2 MA's), (13, 56812), (15, 56731), (16, 56725), (17, 56698), (18, 56695), (19, 56689),

Gene: Maselop_74 Start: 53638, Stop: 53438, Start Num: 9
Candidate Starts for Maselop_74:
(1, 54439), (2, 54388), (3, 54136), (4, 54124), (5, 54031), (6, 53800), (Start: 9 @53638 has 5 MA's), (12, 53581), (14, 53566), (17, 53464), (19, 53455), (20, 53449),

Gene: Polyyuki_74 Start: 53630, Stop: 53430, Start Num: 9

Candidate Starts for Polyyuki_74:
(1, 54431), (2, 54380), (3, 54128), (4, 54116), (5, 54023), (6, 53792), (Start: 9 @53630 has 5 MA's),
(12, 53573), (14, 53558), (17, 53456), (19, 53447), (20, 53441),