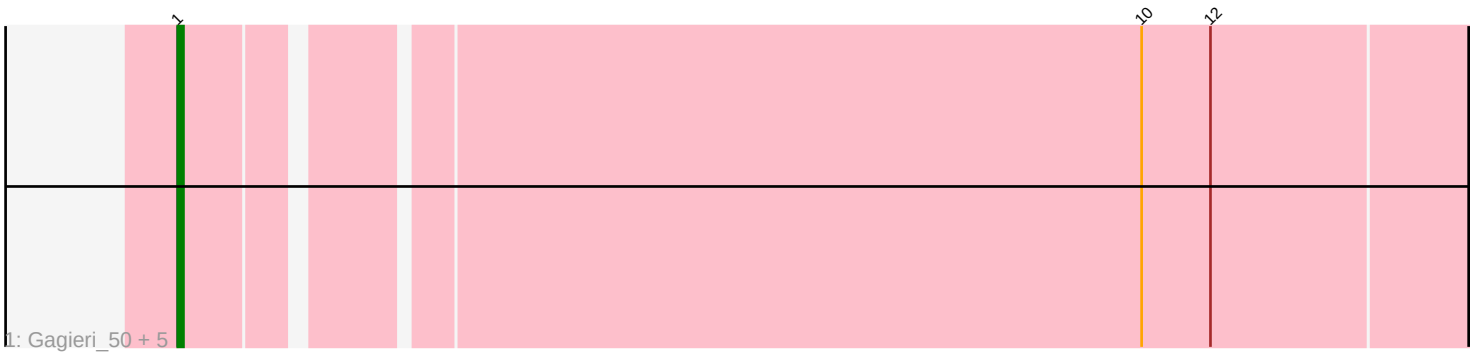
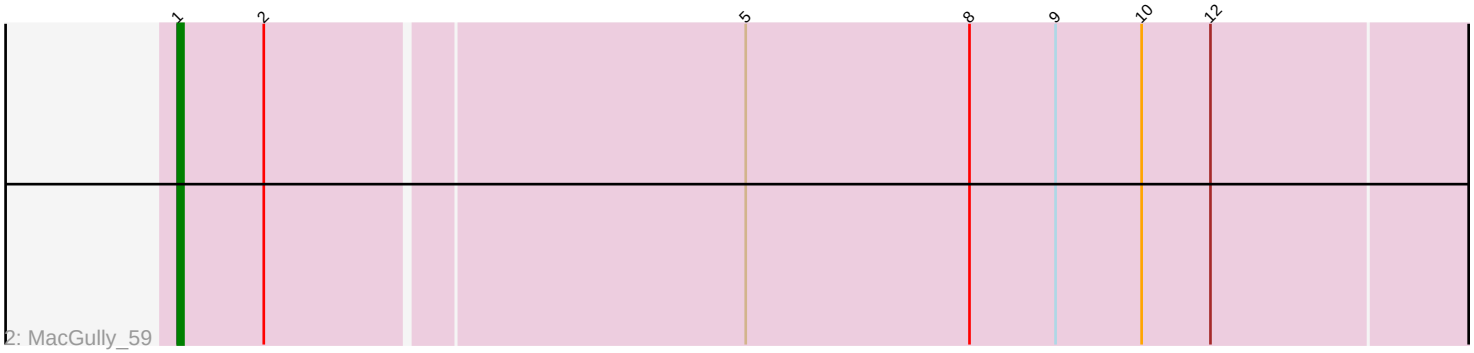
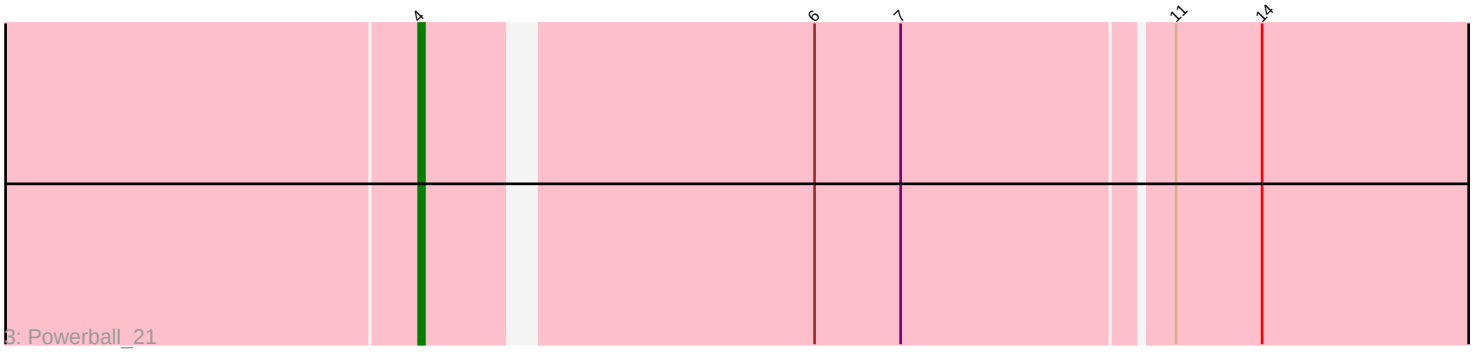
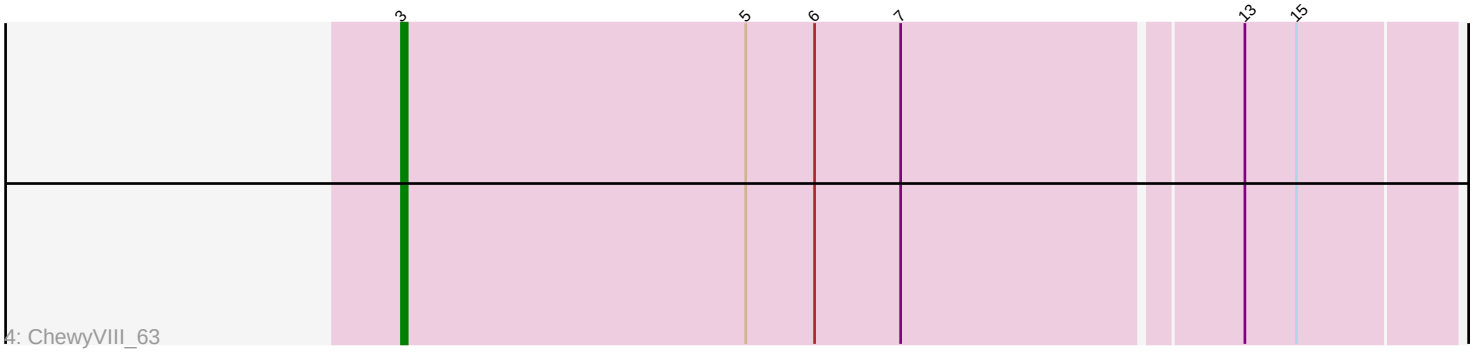
Pham 348291


1
10
12
1: Gagieri_50 + 5


1
2
5
8
9
10
12
2: MacGully_59


4
6
7
11
14
3: Powerball_21


3
5
6
7
13
15
4: ChewyVIII_63

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 348291 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348291 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Gagieri_50, Maselop_51, Braxoaddie_51, Apiary_51, CoffeeBean_51, Polyyuki_51
• Track 2 : MacGully_59
• Track 3 : Powerball_21
• Track 4 : ChewyVIII_63

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apiary_51, Braxoaddie_51, CoffeeBean_51, Gagieri_50, MacGully_59, Maselop_51, Polyyuki_51,

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

Genes that do not have the "Most Annotated" start:
• ChewyVIII_63, Powerball_21,

Summary by start number:

Start 1:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apiary_51 (CR6), Braxoaddie_51 (CR6), CoffeeBean_51 (CR6), Gagieri_50 (CR6), MacGully_59 (CR7), Maselop_51 (CR6), Polyyuki_51 (CR6),

Start 3:
• 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: ChewyVIII_63 (singleton),

Start 4:
• 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: Powerball_21 (CZ4),

Summary by clusters:

There are 4 clusters represented in this pham: singleton, CR6, CR7, CZ4,

Info for manual annotations of cluster CR6:
•Start number 1 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:
•Start number 1 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CZ4:
•Start number 4 was manually annotated 1 time for cluster CZ4.

Gene Information:

Gene: Apiary_51 Start: 37044, Stop: 37274, Start Num: 1
Candidate Starts for Apiary_51:
(Start: 1 @37044 has 7 MA's), (10, 37206), (12, 37218),

Gene: Braxoaddie_51 Start: 37033, Stop: 37263, Start Num: 1
Candidate Starts for Braxoaddie_51:
(Start: 1 @37033 has 7 MA's), (10, 37195), (12, 37207),

Gene: ChewyVIII_63 Start: 44877, Stop: 45083, Start Num: 3
Candidate Starts for ChewyVIII_63:
(Start: 3 @44877 has 1 MA's), (5, 44937), (6, 44949), (7, 44964), (13, 45021), (15, 45030),

Gene: CoffeeBean_51 Start: 36991, Stop: 37221, Start Num: 1
Candidate Starts for CoffeeBean_51:
(Start: 1 @36991 has 7 MA's), (10, 37153), (12, 37165),

Gene: Gagieri_50 Start: 37222, Stop: 37449, Start Num: 1
Candidate Starts for Gagieri_50:
(Start: 1 @37222 has 7 MA's), (10, 37381), (12, 37393),

Gene: MacGully_59 Start: 39406, Stop: 39642, Start Num: 1
Candidate Starts for MacGully_59:
(Start: 1 @39406 has 7 MA's), (2, 39421), (5, 39502), (8, 39541), (9, 39556), (10, 39571), (12, 39583),

Gene: Maselop_51 Start: 37067, Stop: 37297, Start Num: 1
Candidate Starts for Maselop_51:
(Start: 1 @37067 has 7 MA's), (10, 37229), (12, 37241),

Gene: Polyyuki_51 Start: 37056, Stop: 37286, Start Num: 1
Candidate Starts for Polyyuki_51:
(Start: 1 @37056 has 7 MA's), (10, 37218), (12, 37230),

Gene: Powerball_21 Start: 19529, Stop: 19738, Start Num: 4
Candidate Starts for Powerball_21:
(Start: 4 @19529 has 1 MA's), (6, 19592), (7, 19607), (11, 19652), (14, 19667),