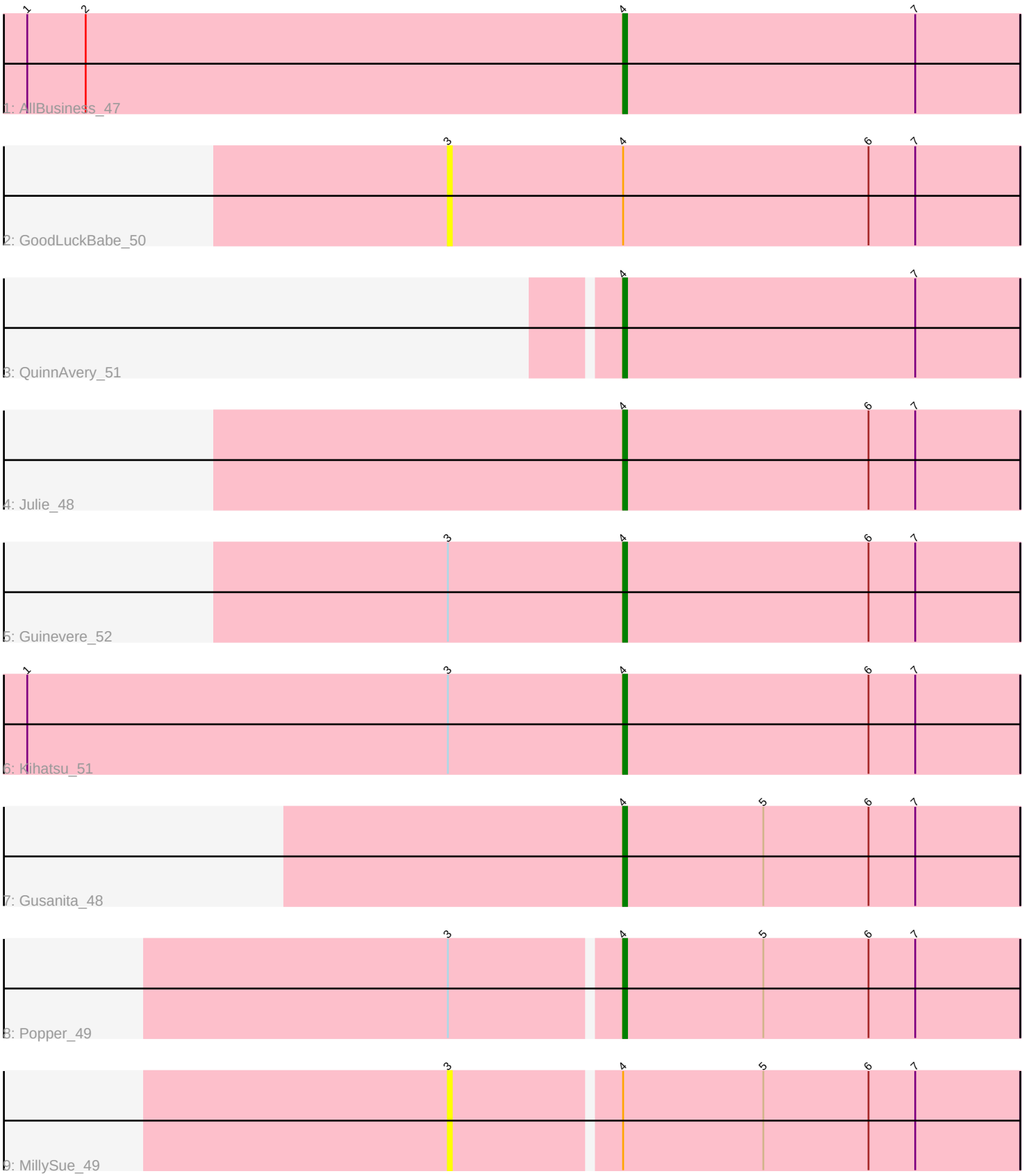
Pham 272397


1
2
4
7
1: AllBusiness_47
3
4
6
7
2: GoodLuckBabe_50
4
7
3: QuinnAvery_51
4
6
7
4: Julie_48
3
4
6
7
5: Guinevere_52
1
3
4
6
7
6: Kihatsu_51
4
5
6
7
7: Gusanita_48
3
4
5
6
7
8: Popper_49
3
4
5
6
7
9: MillySue_49

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 272397 Report

This analysis was run 02/07/26 on database version 634.

Pham number 272397 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : AllBusiness_47
• Track 2 : GoodLuckBabe_50
• Track 3 : QuinnAvery_51
• Track 4 : Julie_48
• Track 5 : Guinevere_52
• Track 6 : Kihatsu_51
• Track 7 : Gusanita_48
• Track 8 : Popper_49
• Track 9 : MillySue_49

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AllBusiness_47, Guinevere_52, Gusanita_48, Julie_48, Kihatsu_51, Popper_49, QuinnAvery_51,

Genes that have the "Most Annotated" start but do not call it:
• GoodLuckBabe_50, MillySue_49,

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

Summary by start number:

Start 3:
• Found in 5 of 9 (55.6%) of genes in pham
• No Manual Annotations of this start.
• Called 40.0% of time when present
• Phage (with cluster) where this start called: GoodLuckBabe_50 (FF), MillySue_49 (FF),

Start 4:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 77.8% of time when present
• Phage (with cluster) where this start called: AllBusiness_47 (FF), Guinevere_52 (FF), Gusanita_48 (FF), Julie_48 (FF), Kihatsu_51 (FF), Popper_49 (FF), QuinnAvery_51 (FF),

Summary by clusters:

There is one cluster represented in this pham: FF

Info for manual annotations of cluster FF:
•Start number 4 was manually annotated 7 times for cluster FF.

Gene Information:

Gene: AllBusiness_47 Start: 34920, Stop: 35021, Start Num: 4
Candidate Starts for AllBusiness_47:
(1, 34767), (2, 34782), (Start: 4 @34920 has 7 MA's), (7, 34995),

Gene: GoodLuckBabe_50 Start: 34111, Stop: 34257, Start Num: 3
Candidate Starts for GoodLuckBabe_50:
(3, 34111), (Start: 4 @34156 has 7 MA's), (6, 34219), (7, 34231),

Gene: Guinevere_52 Start: 34133, Stop: 34234, Start Num: 4
Candidate Starts for Guinevere_52:
(3, 34088), (Start: 4 @34133 has 7 MA's), (6, 34196), (7, 34208),

Gene: Gusanita_48 Start: 34296, Stop: 34397, Start Num: 4
Candidate Starts for Gusanita_48:
(Start: 4 @34296 has 7 MA's), (5, 34332), (6, 34359), (7, 34371),

Gene: Julie_48 Start: 34277, Stop: 34378, Start Num: 4
Candidate Starts for Julie_48:
(Start: 4 @34277 has 7 MA's), (6, 34340), (7, 34352),

Gene: Kihatsu_51 Start: 35103, Stop: 35204, Start Num: 4
Candidate Starts for Kihatsu_51:
(1, 34950), (3, 35058), (Start: 4 @35103 has 7 MA's), (6, 35166), (7, 35178),

Gene: MillySue_49 Start: 34074, Stop: 34217, Start Num: 3
Candidate Starts for MillySue_49:
(3, 34074), (Start: 4 @34116 has 7 MA's), (5, 34152), (6, 34179), (7, 34191),

Gene: Popper_49 Start: 33734, Stop: 33835, Start Num: 4
Candidate Starts for Popper_49:
(3, 33692), (Start: 4 @33734 has 7 MA's), (5, 33770), (6, 33797), (7, 33809),

Gene: QuinnAvery_51 Start: 34687, Stop: 34788, Start Num: 4
Candidate Starts for QuinnAvery_51:

(Start: 4 @34687 has 7 MA's), (7, 34762),