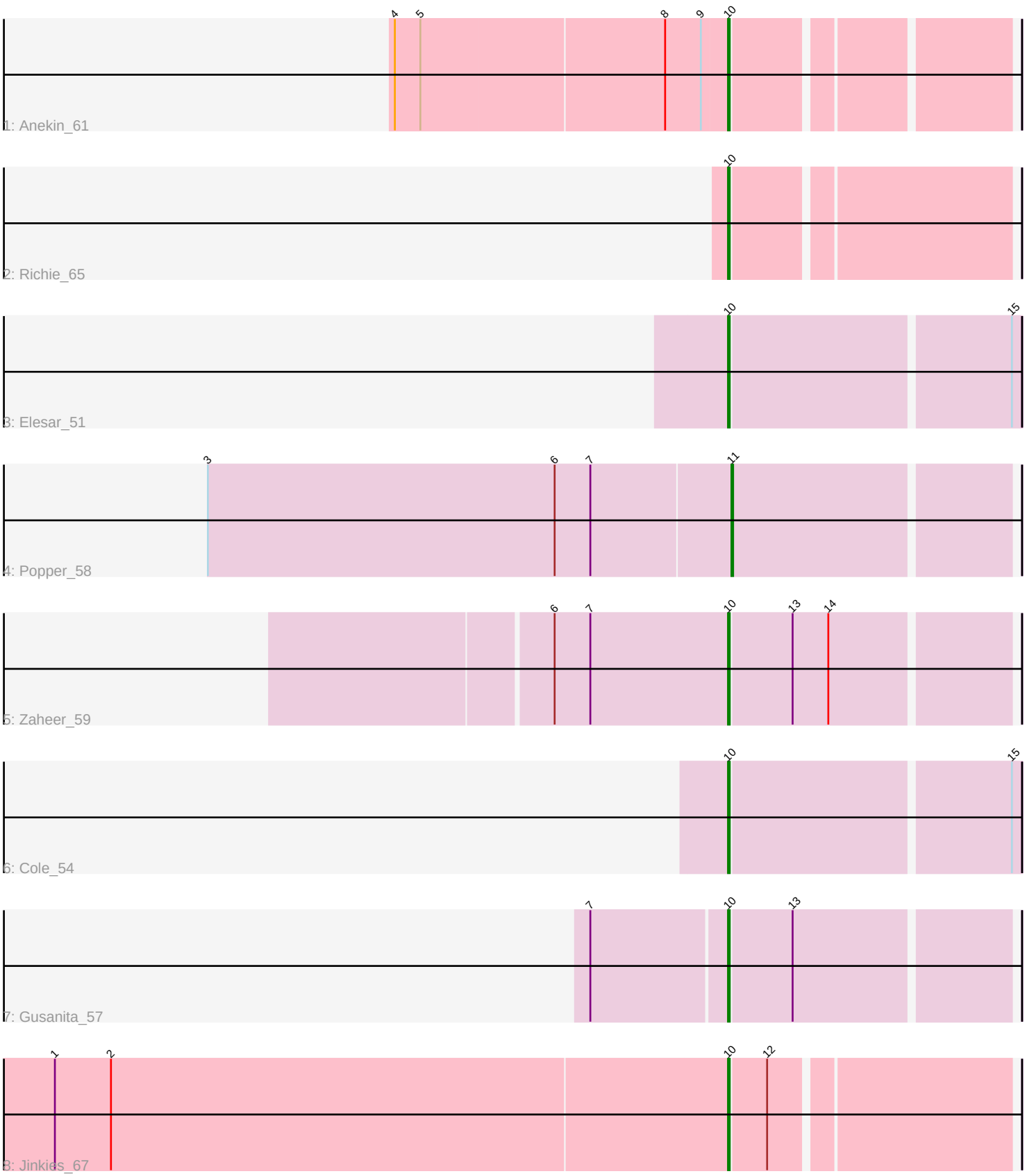
Pham 197111


4
5
8
9
10
1: Anekin_61
10
2: Richie_65
10
15
3: Elesar_51
3
6
7
11
4: Popper_58
6
7
10
13
14
5: Zaheer_59
10
15
6: Cole_54
7
10
13
7: Gusanita_57
1
2
10
12
8: Jinkies_67

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 197111 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197111 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Anekin_61
• Track 2 : Richie_65
• Track 3 : Elesar_51
• Track 4 : Popper_58
• Track 5 : Zaheer_59
• Track 6 : Cole_54
• Track 7 : Gusanita_57
• Track 8 : Jinkies_67

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

The start number called the most often in the published annotations is 10, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anekin_61, Cole_54, Elesar_51, Gusanita_57, Jinkies_67, Richie_65, Zaheer_59,

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

Genes that do not have the "Most Annotated" start:
• Popper_58,

Summary by start number:

Start 10:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anekin_61 (AY), Cole_54 (FF), Elesar_51 (FF), Gusanita_57 (FF), Jinkies_67 (FL), Richie_65 (AY), Zaheer_59 (FF),

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: Popper_58 (FF),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FL, FF,

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

Info for manual annotations of cluster FF:
•Start number 10 was manually annotated 4 times for cluster FF.
•Start number 11 was manually annotated 1 time for cluster FF.

Info for manual annotations of cluster FL:
•Start number 10 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: Anekin_61 Start: 34565, Stop: 34714, Start Num: 10
Candidate Starts for Anekin_61:
(4, 34373), (5, 34388), (8, 34529), (9, 34550), (Start: 10 @34565 has 7 MA's),

Gene: Cole_54 Start: 37029, Stop: 37193, Start Num: 10
Candidate Starts for Cole_54:
(Start: 10 @37029 has 7 MA's), (15, 37188),

Gene: Elesar_51 Start: 37729, Stop: 37893, Start Num: 10
Candidate Starts for Elesar_51:
(Start: 10 @37729 has 7 MA's), (15, 37888),

Gene: Gusanita_57 Start: 37686, Stop: 37844, Start Num: 10
Candidate Starts for Gusanita_57:
(7, 37608), (Start: 10 @37686 has 7 MA's), (13, 37722),

Gene: Jinkies_67 Start: 42754, Stop: 42909, Start Num: 10
Candidate Starts for Jinkies_67:
(1, 42361), (2, 42394), (Start: 10 @42754 has 7 MA's), (12, 42775),

Gene: Popper_58 Start: 37066, Stop: 37224, Start Num: 11
Candidate Starts for Popper_58:
(3, 36760), (6, 36964), (7, 36985), (Start: 11 @37066 has 1 MA's),

Gene: Richie_65 Start: 35536, Stop: 35691, Start Num: 10
Candidate Starts for Richie_65:
(Start: 10 @35536 has 7 MA's),

Gene: Zaheer_59 Start: 38238, Stop: 38396, Start Num: 10
Candidate Starts for Zaheer_59:
(6, 38136), (7, 38157), (Start: 10 @38238 has 7 MA's), (13, 38274), (14, 38295),