Pham 87141

1: Phrank15_68 + 1

2: Anekin_69

3: MargaretKali_45

4: Kumotta_49

5: Ryan_53 + 1
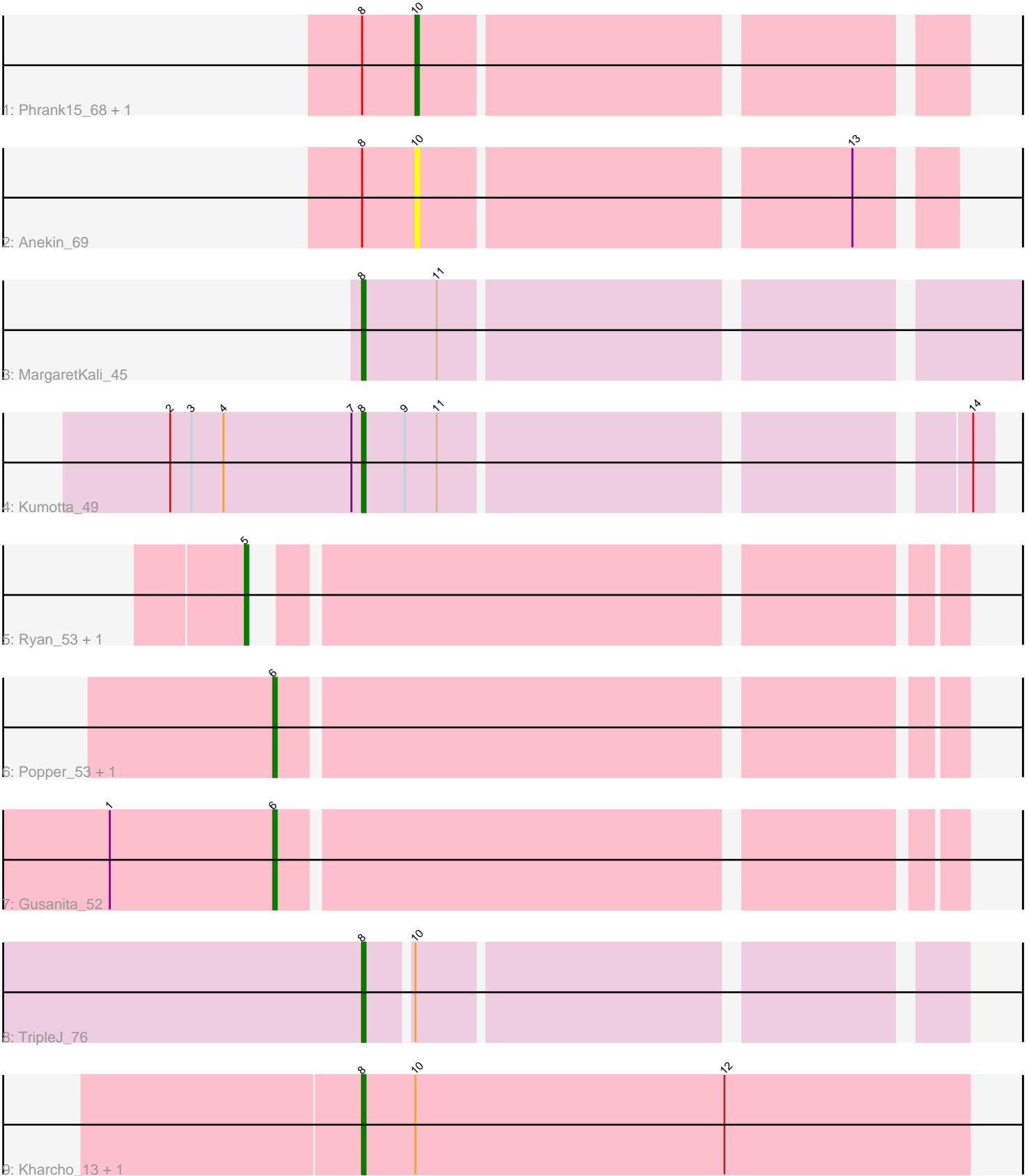
6: Popper_53 + 1

7: Gusanita_52

8: TripleJ_76

9: Kharcho_13 + 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 87141 Report

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

Pham number 87141 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Phrank15_68, Faja_66
• Track 2 : Anekin_69
• Track 3 : MargaretKali_45
• Track 4 : Kumotta_49
• Track 5 : Ryan_53, Cole_49
• Track 6 : Popper_53, Zaheer_54
• Track 7 : Gusanita_52
• Track 8 : TripleJ_76
• Track 9 : Kharcho_13, Ottawa_13

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Kharcho_13, Kumotta_49, MargaretKali_45, Ottawa_13, TripleJ_76,

Genes that have the "Most Annotated" start but do not call it:
• Anekin_69, Faja_66, Phrank15_68,

Genes that do not have the "Most Annotated" start:
• Cole_49, Gusanita_52, Popper_53, Ryan_53, Zaheer_54,

Summary by start number:

Start 5:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cole_49 (FF), Ryan_53 (FF),

Start 6:
• Found in 3 of 13 (23.1%) of genes in pham

• Manual Annotations of this start: 3 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gusanita_52 (FF), Popper_53 (FF), Zaheer_54 (FF),

Start 8:
• Found in 8 of 13 (61.5%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Kharcho_13 (FM), Kumotta_49 (FB), MargaretKali_45 (FB), Ottawa_13 (FM), TripleJ_76 (FJ),

Start 10:
• Found in 6 of 13 (46.2%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Anekin_69 (AY), Faja_66 (AY), Phrank15_68 (AY),

Summary by clusters:

There are 5 clusters represented in this pham: AY, FJ, FB, FM, FF,

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

Info for manual annotations of cluster FB:
•Start number 8 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FF:
•Start number 5 was manually annotated 2 times for cluster FF.
•Start number 6 was manually annotated 3 times for cluster FF.

Info for manual annotations of cluster FJ:
•Start number 8 was manually annotated 1 time for cluster FJ.

Info for manual annotations of cluster FM:
•Start number 8 was manually annotated 2 times for cluster FM.

Gene Information:
Gene: Anekin_69 Start: 36299, Stop: 36436, Start Num: 10
Candidate Starts for Anekin_69:
(Start: 8 @36284 has 5 MA's), (Start: 10 @36299 has 1 MA's), (13, 36413),

Gene: Cole_49 Start: 35171, Stop: 35350, Start Num: 5
Candidate Starts for Cole_49:
(Start: 5 @35171 has 2 MA's),

Gene: Faja_66 Start: 36659, Stop: 36799, Start Num: 10
Candidate Starts for Faja_66:

(Start: 8 @36644 has 5 MA's), (Start: 10 @36659 has 1 MA's),

Gene: Gusanita_52 Start: 35813, Stop: 35992, Start Num: 6
Candidate Starts for Gusanita_52:
(1, 35768), (Start: 6 @35813 has 3 MA's),

Gene: Kharcho_13 Start: 4430, Stop: 4600, Start Num: 8
Candidate Starts for Kharcho_13:
(Start: 8 @4430 has 5 MA's), (Start: 10 @4445 has 1 MA's), (12, 4532),

Gene: Kumotta_49 Start: 29949, Stop: 30110, Start Num: 8
Candidate Starts for Kumotta_49:
(2, 29895), (3, 29901), (4, 29910), (7, 29946), (Start: 8 @29949 has 5 MA's), (9, 29961), (11, 29970), (14, 30105),

Gene: MargaretKali_45 Start: 28568, Stop: 28738, Start Num: 8
Candidate Starts for MargaretKali_45:
(Start: 8 @28568 has 5 MA's), (11, 28589),

Gene: Ottawa_13 Start: 4430, Stop: 4600, Start Num: 8
Candidate Starts for Ottawa_13:
(Start: 8 @4430 has 5 MA's), (Start: 10 @4445 has 1 MA's), (12, 4532),

Gene: Phrank15_68 Start: 35576, Stop: 35716, Start Num: 10
Candidate Starts for Phrank15_68:
(Start: 8 @35561 has 5 MA's), (Start: 10 @35576 has 1 MA's),

Gene: Popper_53 Start: 35184, Stop: 35363, Start Num: 6
Candidate Starts for Popper_53:
(Start: 6 @35184 has 3 MA's),

Gene: Ryan_53 Start: 35938, Stop: 36117, Start Num: 5
Candidate Starts for Ryan_53:
(Start: 5 @35938 has 2 MA's),

Gene: TripleJ_76 Start: 41888, Stop: 42040, Start Num: 8
Candidate Starts for TripleJ_76:
(Start: 8 @41888 has 5 MA's), (Start: 10 @41900 has 1 MA's),

Gene: Zaheer_54 Start: 36497, Stop: 36676, Start Num: 6
Candidate Starts for Zaheer_54:
(Start: 6 @36497 has 3 MA's),