Pham 87434

1: Dori_71

2: Paito_37 + 2

3: Cambiare_35

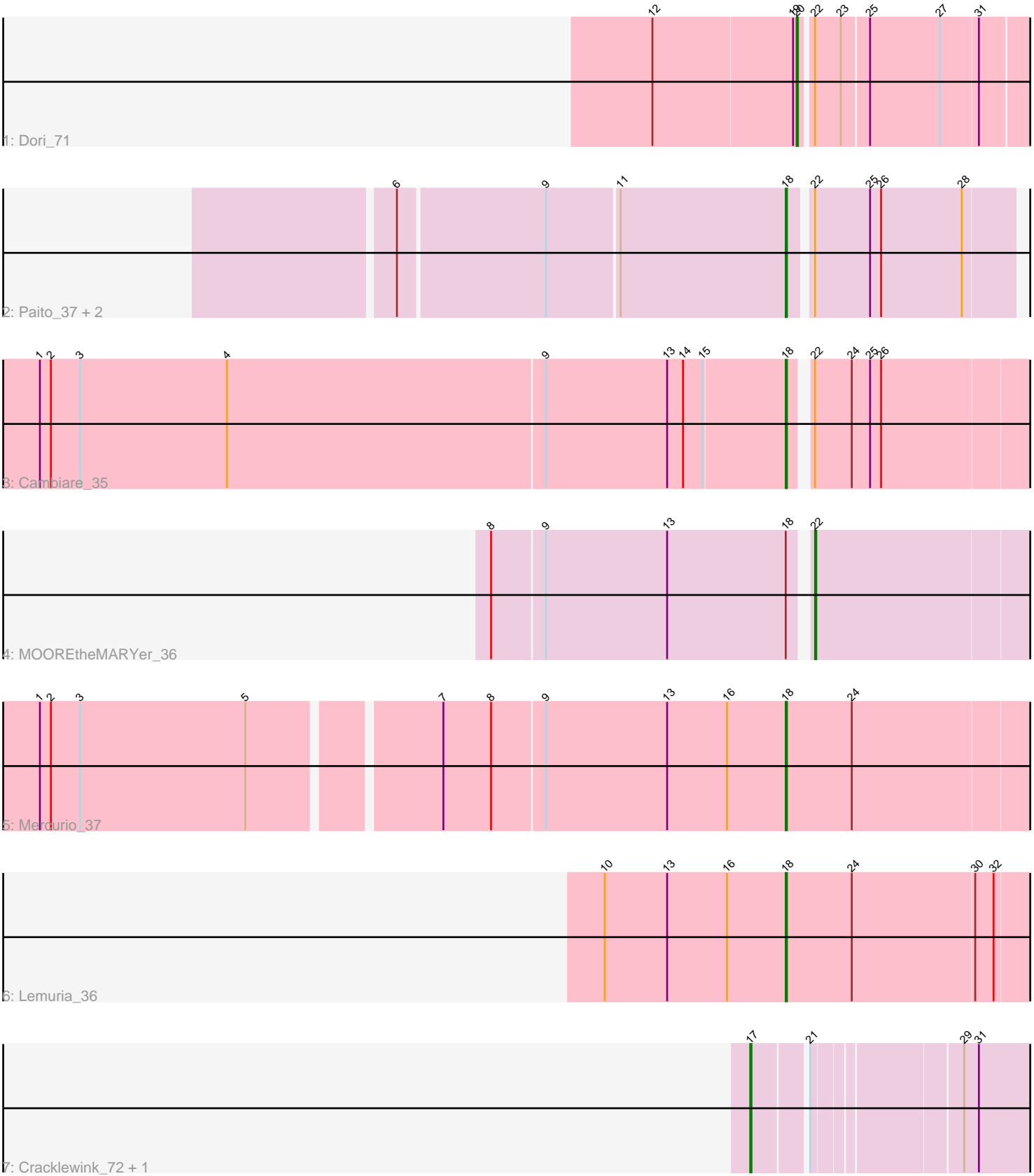4: MOOREtheMARYer_36

5: Mercurio_37

6: Lemuria_36

7: Cracklewink_72 + 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 87434 Report

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

Pham number 87434 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Dori_71
• Track 2 : Paito_37, Rabbs_37, Sneeze_37
• Track 3 : Cambiare_35
• Track 4 : MOOREtheMARYer_36
• Track 5 : Mercurio_37
• Track 6 : Lemuria_36
• Track 7 : Cracklewink_72, Bipper_73

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

The start number called the most often in the published annotations is 18, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cambiare_35, Lemuria_36, Mercurio_37, Paito_37, Rabbs_37, Sneeze_37,

Genes that have the "Most Annotated" start but do not call it:
• MOOREtheMARYer_36,

Genes that do not have the "Most Annotated" start:
• Bipper_73, Cracklewink_72, Dori_71,

Summary by start number:

Start 17:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bipper_73 (Y), Cracklewink_72 (Y),

Start 18:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 6 of 10
• Called 85.7% of time when present

• Phage (with cluster) where this start called: Cambiare_35 (G2), Lemuria_36 (G4), Mercurio_37 (G4), Paito_37 (G1), Rabbs_37 (G1), Sneeze_37 (G1),

Start 20:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dori_71 (AD),

Start 22:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 16.7% of time when present
• Phage (with cluster) where this start called: MOOREtheMARYer_36 (G3),

Summary by clusters:

There are 6 clusters represented in this pham: G4, G3, AD, G1, Y, G2,

Info for manual annotations of cluster AD:
•Start number 20 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster G1:
•Start number 18 was manually annotated 3 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 18 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:
•Start number 22 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G4:
•Start number 18 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster Y:
•Start number 17 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: Bipper_73 Start: 49821, Stop: 50030, Start Num: 17
Candidate Starts for Bipper_73:
(Start: 17 @49821 has 2 MA's), (21, 49860), (29, 49971), (31, 49983),

Gene: Cambiare_35 Start: 31473, Stop: 31655, Start Num: 18
Candidate Starts for Cambiare_35:
(1, 30870), (2, 30879), (3, 30903), (4, 31023), (9, 31281), (13, 31380), (14, 31392), (15, 31407), (Start: 18 @31473 has 6 MA's), (Start: 22 @31485 has 1 MA's), (24, 31515), (25, 31530), (26, 31539),

Gene: Cracklewink_72 Start: 48855, Stop: 49064, Start Num: 17
Candidate Starts for Cracklewink_72:
(Start: 17 @48855 has 2 MA's), (21, 48894), (29, 49005), (31, 49017),

Gene: Dori_71 Start: 54043, Stop: 54225, Start Num: 20
Candidate Starts for Dori_71:
(12, 53929), (19, 54040), (Start: 20 @54043 has 1 MA's), (Start: 22 @54052 has 1 MA's), (23, 54073), (25, 54094), (27, 54151), (31, 54181),

Gene: Lemuria_36 Start: 31192, Stop: 31386, Start Num: 18
Candidate Starts for Lemuria_36:
(10, 31045), (13, 31096), (16, 31144), (Start: 18 @31192 has 6 MA's), (24, 31246), (30, 31345), (32, 31360),

Gene: MOOREtheMARYer_36 Start: 31361, Stop: 31546, Start Num: 22
Candidate Starts for MOOREtheMARYer_36:
(8, 31112), (9, 31154), (13, 31253), (Start: 18 @31349 has 6 MA's), (Start: 22 @31361 has 1 MA's),

Gene: Mercurio_37 Start: 31590, Stop: 31784, Start Num: 18
Candidate Starts for Mercurio_37:
(1, 31002), (2, 31011), (3, 31035), (5, 31170), (7, 31314), (8, 31353), (9, 31395), (13, 31494), (16, 31542), (Start: 18 @31590 has 6 MA's), (24, 31644),

Gene: Paito_37 Start: 30921, Stop: 31097, Start Num: 18
Candidate Starts for Paito_37:
(6, 30615), (9, 30732), (11, 30789), (Start: 18 @30921 has 6 MA's), (Start: 22 @30936 has 1 MA's), (25, 30981), (26, 30990), (28, 31056),

Gene: Rabbs_37 Start: 30823, Stop: 30999, Start Num: 18
Candidate Starts for Rabbs_37:
(6, 30517), (9, 30634), (11, 30691), (Start: 18 @30823 has 6 MA's), (Start: 22 @30838 has 1 MA's), (25, 30883), (26, 30892), (28, 30958),

Gene: Sneeze_37 Start: 30822, Stop: 30998, Start Num: 18
Candidate Starts for Sneeze_37:
(6, 30516), (9, 30633), (11, 30690), (Start: 18 @30822 has 6 MA's), (Start: 22 @30837 has 1 MA's), (25, 30882), (26, 30891), (28, 30957),