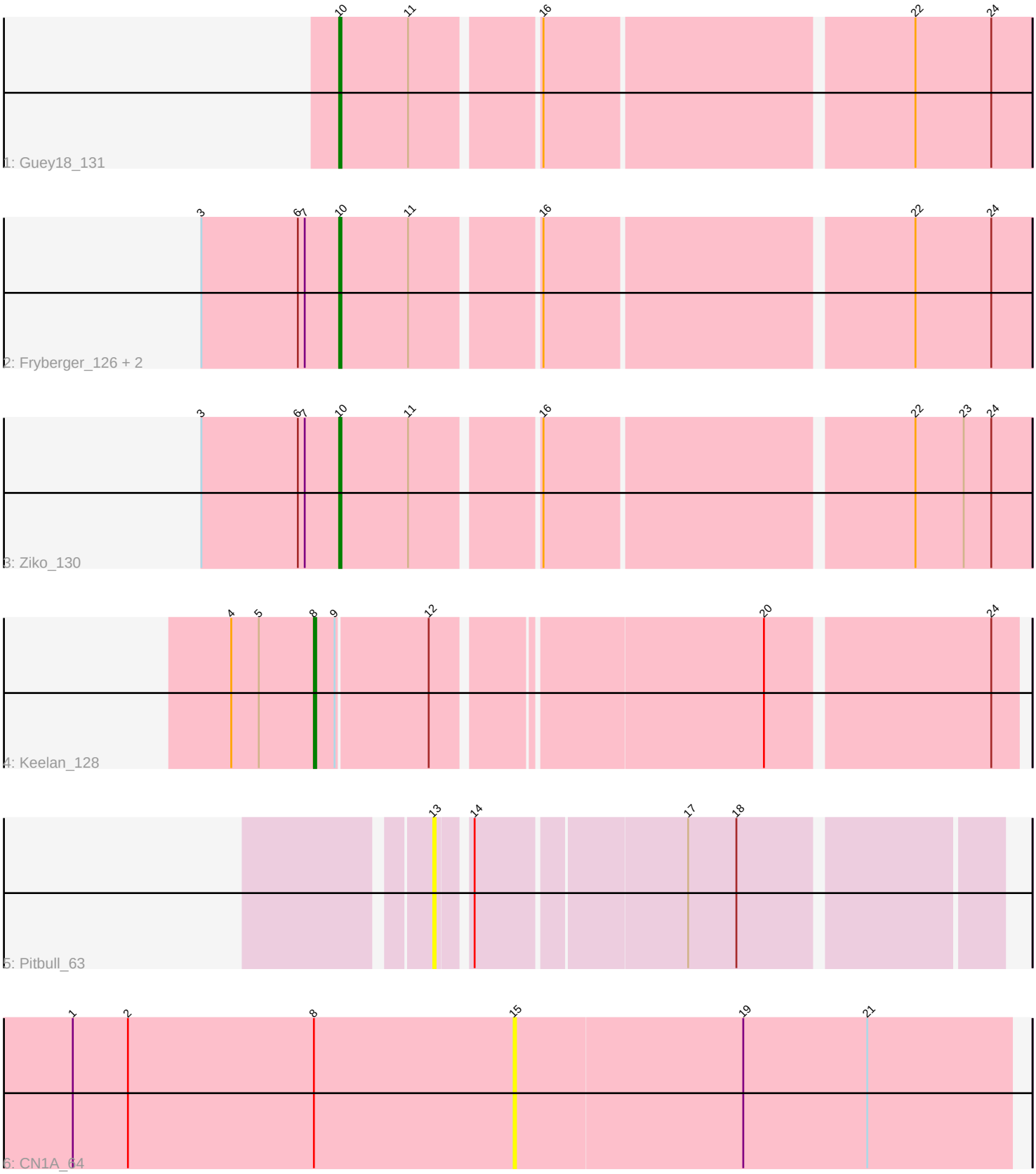
Pham 88046


10
11
16
22
24
1: Guey18_131
3
6
7
10
11
16
22
24
2: Fryberger_126 + 2
3
6
7
10
11
16
22
23
24
3: Ziko_130
4
5
8
9
12
20
24
4: Keelan_128
13
14
17
18
5: Pitbull_63
1
2
8
15
19
21
6: CN1A_64

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 88046 Report

This analysis was run 04/05/24 on database version 557.

Pham number 88046 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Guey18_131
• Track 2 : Fryberger_126, Ronaldo_128, Volt_131
• Track 3 : Ziko_130
• Track 4 : Keelan_128
• Track 5 : Pitbull_63
• Track 6 : CN1A_64

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fryberger_126, Guey18_131, Ronaldo_128, Volt_131, Ziko_130,

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

Genes that do not have the "Most Annotated" start:
• CN1A_64, Keelan_128, Pitbull_63,

Summary by start number:

Start 8:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Keelan_128 (DP),

Start 10:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Fryberger_126 (DP), Guey18_131 (DP), Ronaldo_128 (DP), Volt_131 (DP), Ziko_130 (DP),

Start 13:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pitbull_63 (FQ),

Start 15:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CN1A_64 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: FQ, singleton, DP,

Info for manual annotations of cluster DP:
•Start number 8 was manually annotated 1 time for cluster DP.
•Start number 10 was manually annotated 5 times for cluster DP.

Gene Information:

Gene: CN1A_64 Start: 51194, Stop: 50979, Start Num: 15
Candidate Starts for CN1A_64:
(1, 51386), (2, 51362), (Start: 8 @51281 has 1 MA's), (15, 51194), (19, 51095), (21, 51041),

Gene: Fryberger_126 Start: 61263, Stop: 61547, Start Num: 10
Candidate Starts for Fryberger_126:
(3, 61203), (6, 61245), (7, 61248), (Start: 10 @61263 has 5 MA's), (11, 61293), (16, 61344), (22, 61497), (24, 61530),

Gene: Guey18_131 Start: 62476, Stop: 62760, Start Num: 10
Candidate Starts for Guey18_131:
(Start: 10 @62476 has 5 MA's), (11, 62506), (16, 62557), (22, 62710), (24, 62743),

Gene: Keelan_128 Start: 62084, Stop: 62371, Start Num: 8
Candidate Starts for Keelan_128:
(4, 62048), (5, 62060), (Start: 8 @62084 has 1 MA's), (9, 62093), (12, 62132), (20, 62267), (24, 62360),

Gene: Pitbull_63 Start: 35734, Stop: 35961, Start Num: 13
Candidate Starts for Pitbull_63:
(13, 35734), (14, 35746), (17, 35833), (18, 35854),

Gene: Ronaldo_128 Start: 62168, Stop: 62452, Start Num: 10
Candidate Starts for Ronaldo_128:

(3, 62108), (6, 62150), (7, 62153), (Start: 10 @62168 has 5 MA's), (11, 62198), (16, 62249), (22, 62402), (24, 62435),

Gene: Volt_131 Start: 62332, Stop: 62616, Start Num: 10
Candidate Starts for Volt_131:
(3, 62272), (6, 62314), (7, 62317), (Start: 10 @62332 has 5 MA's), (11, 62362), (16, 62413), (22, 62566), (24, 62599),

Gene: Ziko_130 Start: 62399, Stop: 62683, Start Num: 10
Candidate Starts for Ziko_130:
(3, 62339), (6, 62381), (7, 62384), (Start: 10 @62399 has 5 MA's), (11, 62429), (16, 62480), (22, 62633), (23, 62654), (24, 62666),