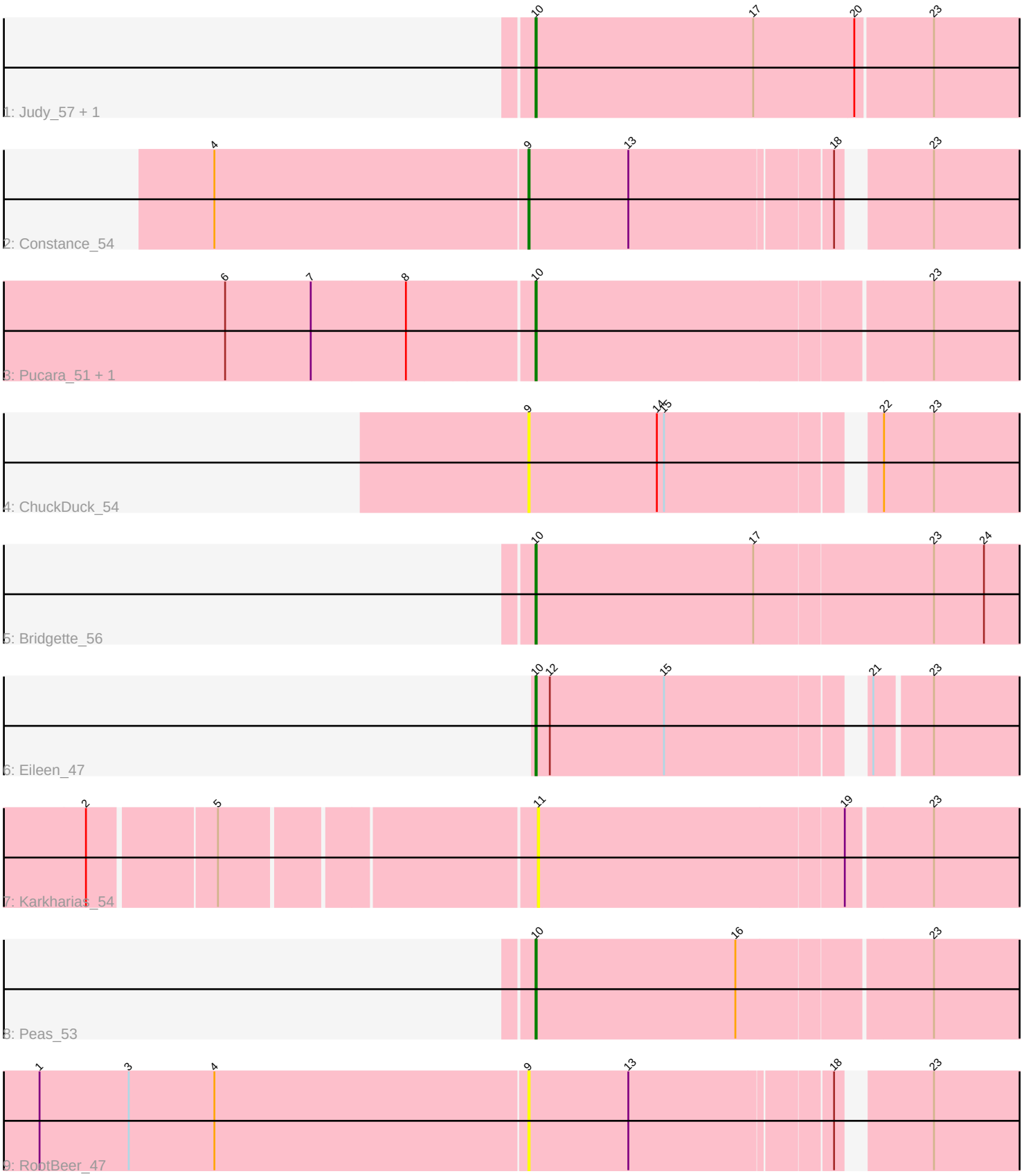
Pham 6920


10
17
20
23
1: Judy_57 + 1
4
9
13
18
23
2: Constance_54
6
7
8
10
23
3: Pucara_51 + 1
9
14
15
22
23
4: ChuckDuck_54
10
17
23
24
5: Bridgette_56
10
12
15
21
23
6: Eileen_47
2
5
11
19
23
7: Karkharias_54
10
16
23
8: Peas_53
1
3
4
9
13
18
23
9: RobtBeer_47

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 6920 Report

This analysis was run 04/22/24 on database version 561.

Pham number 6920 has 11 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Judy_57, GlobiWarming_56
• Track 2 : Constance_54
• Track 3 : Pucara_51, PeggyLeg03_54
• Track 4 : ChuckDuck_54
• Track 5 : Bridgette_56
• Track 6 : Eileen_47
• Track 7 : Karkharias_54
• Track 8 : Peas_53
• Track 9 : RootBeer_47

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bridgette_56, Eileen_47, GlobiWarming_56, Judy_57, Peas_53, PeggyLeg03_54, Pucara_51,

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

Genes that do not have the "Most Annotated" start:
• ChuckDuck_54, Constance_54, Karkharias_54, RootBeer_47,

Summary by start number:

Start 9:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ChuckDuck_54 (FA), Constance_54 (FA), RootBeer_47 (FA),

Start 10:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bridgette_56 (FA), Eileen_47 (FA), GlobiWarming_56 (FA), Judy_57 (FA), Peas_53 (FA), PeggyLeg03_54 (FA), Pucara_51 (FA),

Start 11:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Karkharias_54 (FA),

Summary by clusters:

There is one cluster represented in this pham: FA

Info for manual annotations of cluster FA:
•Start number 9 was manually annotated 1 time for cluster FA.
•Start number 10 was manually annotated 6 times for cluster FA.

Gene Information:

Gene: Bridgette_56 Start: 35478, Stop: 35903, Start Num: 10
Candidate Starts for Bridgette_56:
(Start: 10 @35478 has 6 MA's), (17, 35661), (23, 35808), (24, 35850),

Gene: ChuckDuck_54 Start: 35221, Stop: 35643, Start Num: 9
Candidate Starts for ChuckDuck_54:
(Start: 9 @35221 has 1 MA's), (14, 35329), (15, 35335), (22, 35494), (23, 35536),

Gene: Constance_54 Start: 35804, Stop: 36220, Start Num: 9
Candidate Starts for Constance_54:
(4, 35543), (Start: 9 @35804 has 1 MA's), (13, 35888), (18, 36050), (23, 36113),

Gene: Eileen_47 Start: 31418, Stop: 31828, Start Num: 10
Candidate Starts for Eileen_47:
(Start: 10 @31418 has 6 MA's), (12, 31430), (15, 31526), (21, 31676), (23, 31721),

Gene: GlobiWarming_56 Start: 34829, Stop: 35266, Start Num: 10
Candidate Starts for GlobiWarming_56:
(Start: 10 @34829 has 6 MA's), (17, 35012), (20, 35096), (23, 35159),

Gene: Judy_57 Start: 35896, Stop: 36333, Start Num: 10
Candidate Starts for Judy_57:
(Start: 10 @35896 has 6 MA's), (17, 36079), (20, 36163), (23, 36226),

Gene: Karkharias_54 Start: 34660, Stop: 35076, Start Num: 11
Candidate Starts for Karkharias_54:
(2, 34309), (5, 34411), (11, 34660), (19, 34912), (23, 34981),

Gene: Peas_53 Start: 36386, Stop: 36817, Start Num: 10
Candidate Starts for Peas_53:
(Start: 10 @36386 has 6 MA's), (16, 36554), (23, 36710),

Gene: PeggyLeg03_54 Start: 35126, Stop: 35557, Start Num: 10
Candidate Starts for PeggyLeg03_54:
(6, 34874), (7, 34946), (8, 35024), (Start: 10 @35126 has 6 MA's), (23, 35450),

Gene: Pucara_51 Start: 34731, Stop: 35162, Start Num: 10
Candidate Starts for Pucara_51:
(6, 34479), (7, 34551), (8, 34629), (Start: 10 @34731 has 6 MA's), (23, 35055),

Gene: RootBeer_47 Start: 31994, Stop: 32410, Start Num: 9
Candidate Starts for RootBeer_47:
(1, 31586), (3, 31661), (4, 31733), (Start: 9 @31994 has 1 MA's), (13, 32078), (18, 32240), (23, 32303),