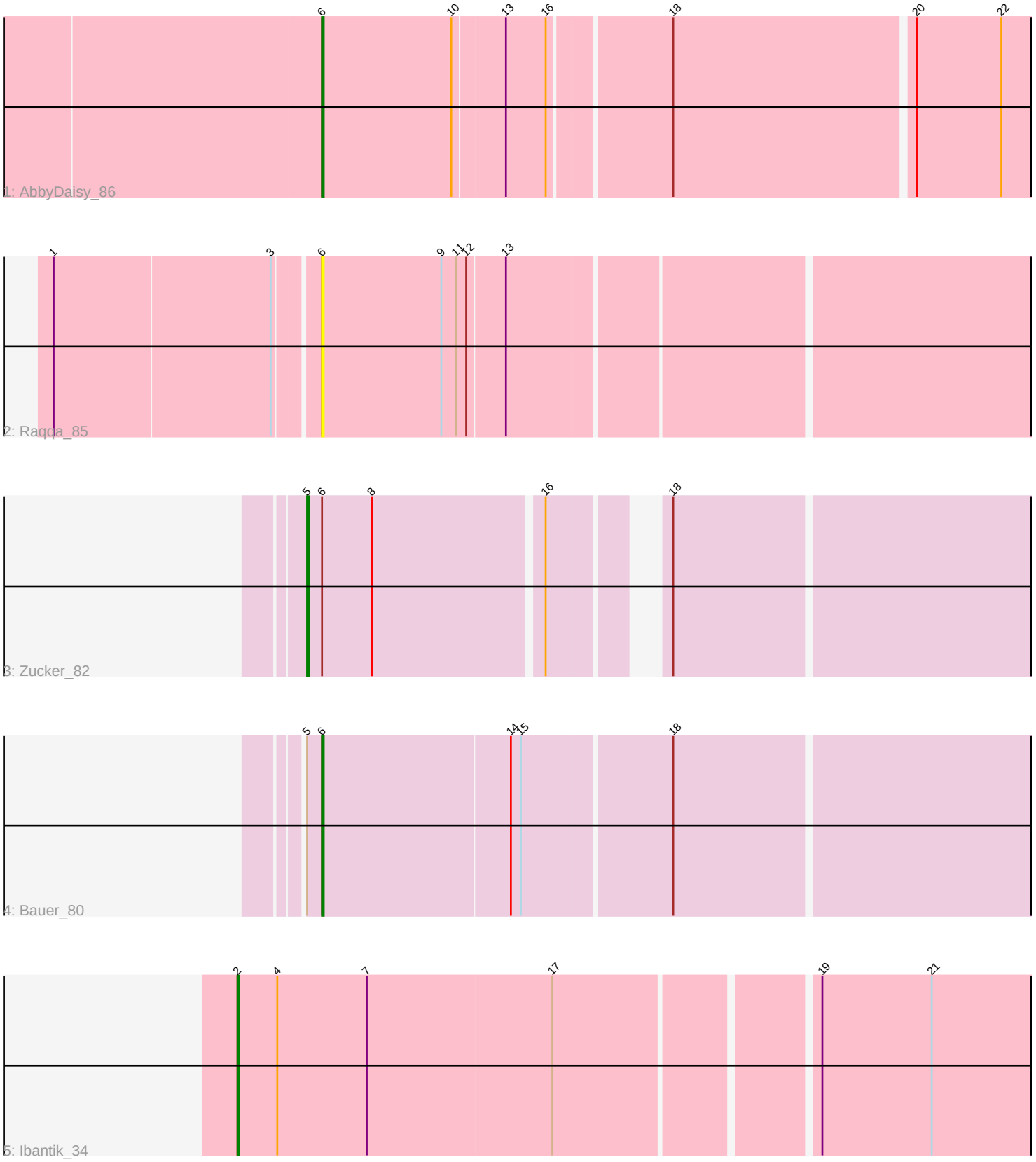
Pham 170689


6
10
13
16
18
20
22
1: AbbyDaisy_86
1
3
6
9
11
12
13
2: Ragga_85
5
6
8
16
18
3: Zucker_82
5
6
14
15
18
4: Bauer_80
2
4
7
17
19
21
5: Ibantik_34

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 170689 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170689 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : AbbyDaisy_86
• Track 2 : Raqqa_85
• Track 3 : Zucker_82
• Track 4 : Bauer_80
• Track 5 : Ibantik_34

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_86, Bauer_80, Raqqa_85,

Genes that have the "Most Annotated" start but do not call it:
• Zucker_82,

Genes that do not have the "Most Annotated" start:
• Ibantik_34,

Summary by start number:

Start 2:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ibantik_34 (singleton),

Start 5:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Zucker_82 (FN),

Start 6:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 75.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_86 (AY), Bauer_80 (FN), Raqqa_85 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, singleton, FN,

Info for manual annotations of cluster AY:
•Start number 6 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FN:
•Start number 5 was manually annotated 1 time for cluster FN.
•Start number 6 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: AbbyDaisy_86 Start: 49683, Stop: 50093, Start Num: 6
Candidate Starts for AbbyDaisy_86:
(Start: 6 @49683 has 2 MA's), (10, 49761), (13, 49791), (16, 49815), (18, 49884), (20, 50025), (22, 50076),

Gene: Bauer_80 Start: 44429, Stop: 44842, Start Num: 6
Candidate Starts for Bauer_80:
(Start: 5 @44420 has 1 MA's), (Start: 6 @44429 has 2 MA's), (14, 44540), (15, 44546), (18, 44633),

Gene: Ibantik_34 Start: 16596, Stop: 16135, Start Num: 2
Candidate Starts for Ibantik_34:
(Start: 2 @16596 has 1 MA's), (4, 16572), (7, 16518), (17, 16407), (19, 16260), (21, 16194),

Gene: Raqqa_85 Start: 47700, Stop: 48110, Start Num: 6
Candidate Starts for Raqqa_85:
(1, 47547), (3, 47676), (Start: 6 @47700 has 2 MA's), (9, 47772), (11, 47781), (12, 47787), (13, 47808),

Gene: Zucker_82 Start: 48335, Stop: 48733, Start Num: 5
Candidate Starts for Zucker_82:
(Start: 5 @48335 has 1 MA's), (Start: 6 @48344 has 2 MA's), (8, 48374), (16, 48473), (18, 48524),