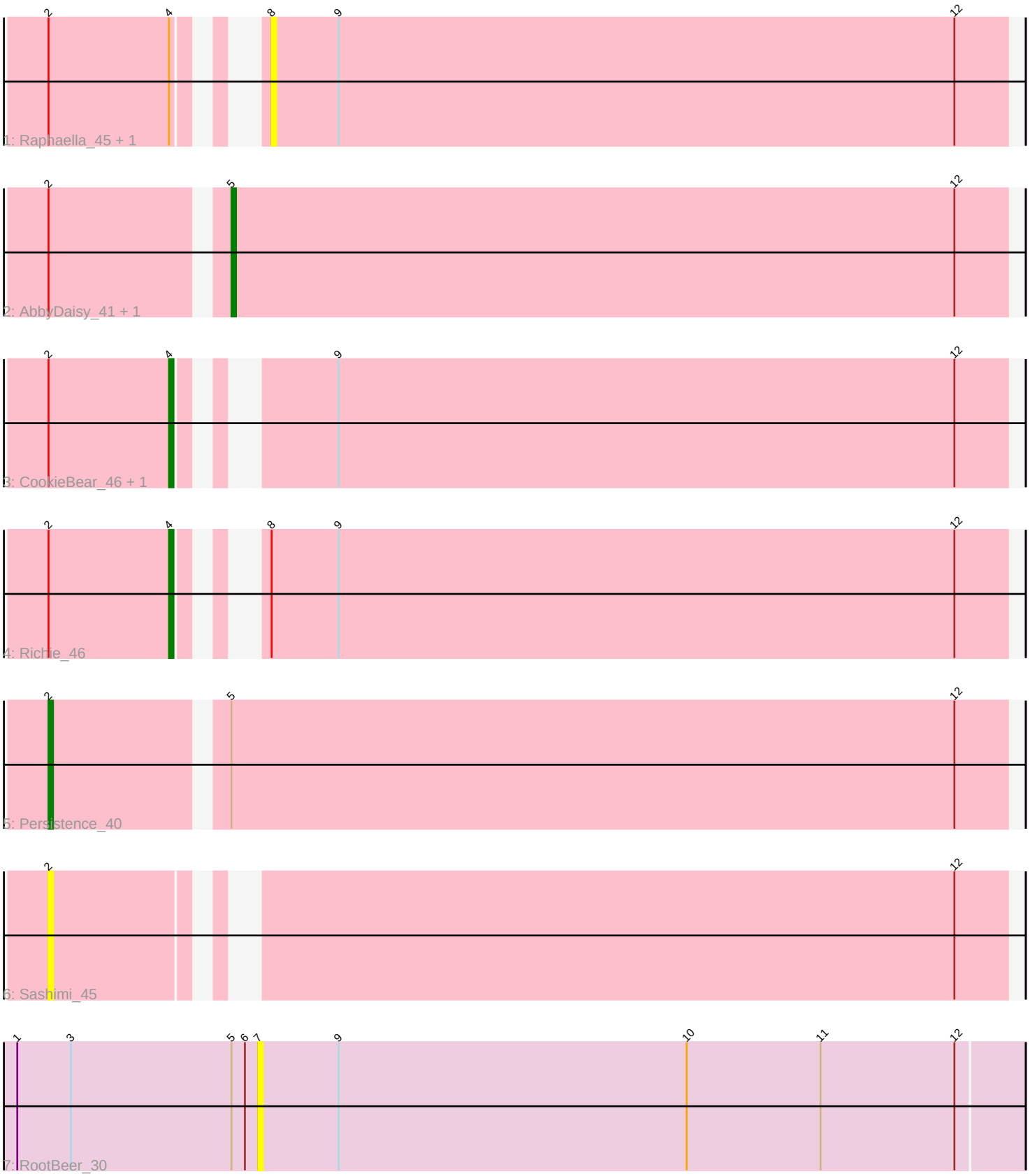
Pham 10516


2
4
8
9
12
1: Raphaella_45 + 1
2
5
12
2: AbbyDaisy_41 + 1
2
4
9
12
3: CookieBear_46 + 1
2
4
8
9
12
4: Richie_46
2
5
12
5: Persistence_40
2
12
6: Sashimi_45
1
3
5
6
7
9
10
11
12
7: RootBeer_30

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 10516 Report

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

Pham number 10516 has 10 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Raphaella_45, Globfish_44
• Track 2 : AbbyDaisy_41, Anekin_41
• Track 3 : CookieBear_46, Faja_43
• Track 4 : Richie_46
• Track 5 : Persistence_40
• Track 6 : Sashimi_45
• Track 7 : RootBeer_30

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

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

Genes that call this "Most Annotated" start:
• CookieBear_46, Faja_43, Richie_46,

Genes that have the "Most Annotated" start but do not call it:
• Globfish_44, Raphaella_45,

Genes that do not have the "Most Annotated" start:
• AbbyDaisy_41, Anekin_41, Persistence_40, RootBeer_30, Sashimi_45,

Summary by start number:

Start 2:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 22.2% of time when present
• Phage (with cluster) where this start called: Persistence_40 (AY), Sashimi_45 (AY),

Start 4:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 60.0% of time when present

• Phage (with cluster) where this start called: CookieBear_46 (AY), Faja_43 (AY), Richie_46 (AY),

Start 5:
• Found in 4 of 10 (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: AbbyDaisy_41 (AY), Anekin_41 (AY),

Start 7:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RootBeer_30 (FA),

Start 8:
• Found in 3 of 10 (30.0%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Globfish_44 (AY), Raphaella_45 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FA,

Info for manual annotations of cluster AY:
•Start number 2 was manually annotated 1 time for cluster AY.
•Start number 4 was manually annotated 2 times for cluster AY.
•Start number 5 was manually annotated 1 time for cluster AY.

Gene Information:

Gene: AbbyDaisy_41 Start: 28747, Stop: 28574, Start Num: 5
Candidate Starts for AbbyDaisy_41:
(Start: 2 @28783 has 1 MA's), (Start: 5 @28747 has 1 MA's), (12, 28585),

Gene: Anekin_41 Start: 28238, Stop: 28065, Start Num: 5
Candidate Starts for Anekin_41:
(Start: 2 @28274 has 1 MA's), (Start: 5 @28238 has 1 MA's), (12, 28076),

Gene: CookieBear_46 Start: 29121, Stop: 28948, Start Num: 4
Candidate Starts for CookieBear_46:
(Start: 2 @29148 has 1 MA's), (Start: 4 @29121 has 2 MA's), (9, 29097), (12, 28959),

Gene: Faja_43 Start: 30063, Stop: 29890, Start Num: 4
Candidate Starts for Faja_43:
(Start: 2 @30090 has 1 MA's), (Start: 4 @30063 has 2 MA's), (9, 30039), (12, 29901),

Gene: Globfish_44 Start: 28766, Stop: 28602, Start Num: 8
Candidate Starts for Globfish_44:

(Start: 2 @28802 has 1 MA's), (Start: 4 @28775 has 2 MA's), (8, 28766), (9, 28751), (12, 28613),

Gene: Persistence_40 Start: 27604, Stop: 27395, Start Num: 2
Candidate Starts for Persistence_40:
(Start: 2 @27604 has 1 MA's), (Start: 5 @27568 has 1 MA's), (12, 27406),

Gene: Raphaella_45 Start: 28714, Stop: 28550, Start Num: 8
Candidate Starts for Raphaella_45:
(Start: 2 @28750 has 1 MA's), (Start: 4 @28723 has 2 MA's), (8, 28714), (9, 28699), (12, 28561),

Gene: Richie_46 Start: 29344, Stop: 29171, Start Num: 4
Candidate Starts for Richie_46:
(Start: 2 @29371 has 1 MA's), (Start: 4 @29344 has 2 MA's), (8, 29335), (9, 29320), (12, 29182),

Gene: RootBeer_30 Start: 22778, Stop: 22948, Start Num: 7
Candidate Starts for RootBeer_30:
(1, 22724), (3, 22736), (Start: 5 @22772 has 1 MA's), (6, 22775), (7, 22778), (9, 22796), (10, 22874), (11, 22904), (12, 22934),

Gene: Sashimi_45 Start: 30163, Stop: 29963, Start Num: 2
Candidate Starts for Sashimi_45:
(Start: 2 @30163 has 1 MA's), (12, 29974),