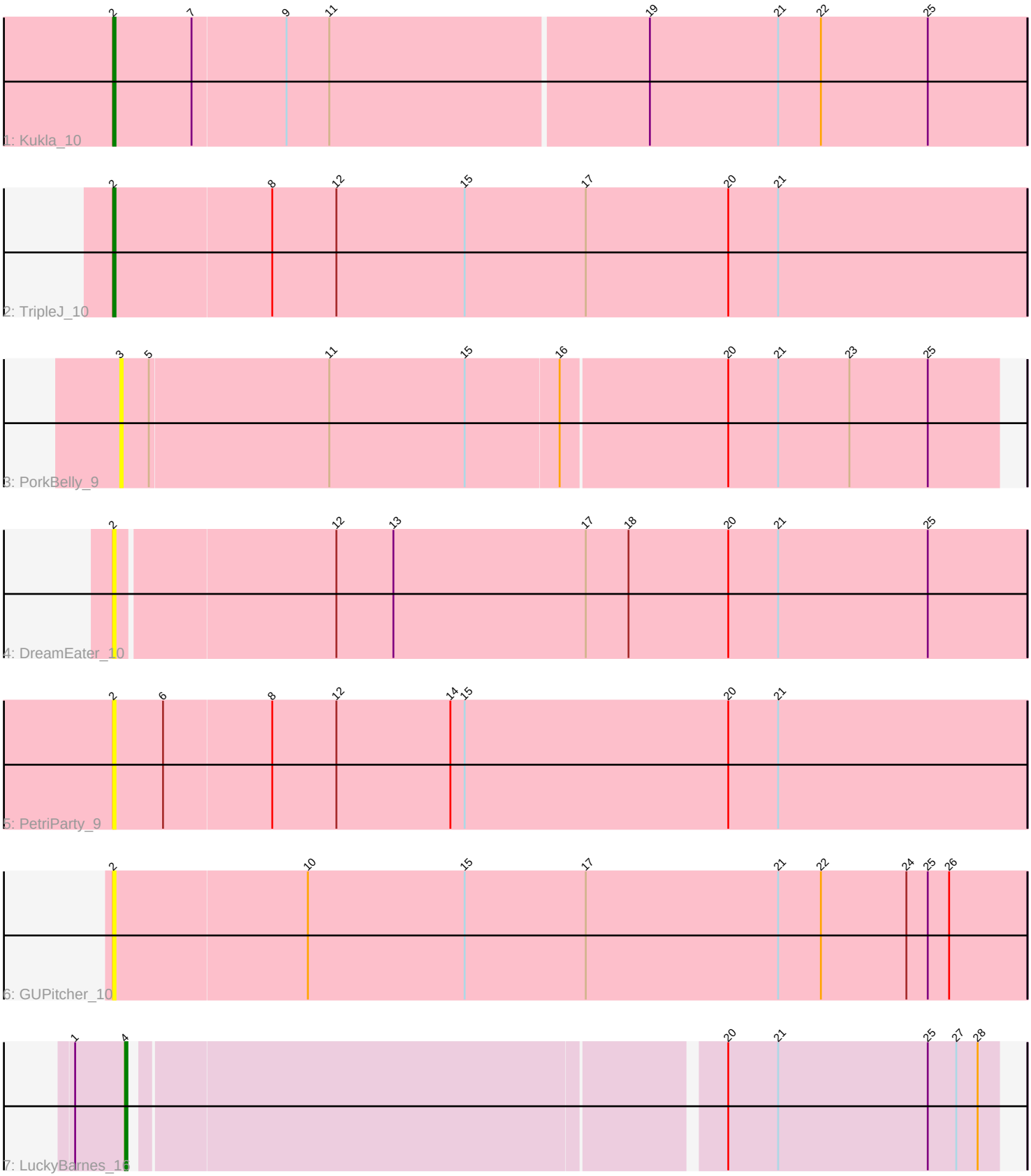
Pham 291860


2
7
9
11
19
21
22
25
1: Kukla_10
2
8
12
15
17
20
21
2: TripleJ_10
3
5
11
15
16
20
21
23
25
3: PorkBelly_9
2
12
13
17
18
20
21
25
4: DreamEater_10
2
6
8
12
14
15
20
21
5: PetriParty_9
2
10
15
17
21
22
24
25
26
6: GUPitcher_10
1
4
20
21
25
27
28
7: LuckyBarnes_16

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 291860 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291860 has 7 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Kukla_10
• Track 2 : TripleJ_10
• Track 3 : PorkBelly_9
• Track 4 : DreamEater_10
• Track 5 : PetriParty_9
• Track 6 : GUPitcher_10
• Track 7 : LuckyBarnes_16

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

The start number called the most often in the published annotations is 2, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DreamEater_10, GUPitcher_10, Kukla_10, PetriParty_9, TripleJ_10,

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

Genes that do not have the "Most Annotated" start:
• LuckyBarnes_16, PorkBelly_9,

Summary by start number:

Start 2:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DreamEater_10 (FJ), GUPitcher_10 (FJ), Kukla_10 (FJ), PetriParty_9 (FJ), TripleJ_10 (FJ),

Start 3:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: PorkBelly_9 (FJ),

Start 4:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LuckyBarnes_16 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: FJ, singleton,

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

Gene Information:

Gene: DreamEater_10 Start: 7921, Stop: 8301, Start Num: 2
Candidate Starts for DreamEater_10:
(Start: 2 @7921 has 2 MA's), (12, 8011), (13, 8035), (17, 8116), (18, 8134), (20, 8176), (21, 8197), (25, 8260),

Gene: GUPitcher_10 Start: 7556, Stop: 7939, Start Num: 2
Candidate Starts for GUPitcher_10:
(Start: 2 @7556 has 2 MA's), (10, 7637), (15, 7703), (17, 7754), (21, 7835), (22, 7853), (24, 7889), (25, 7898), (26, 7907),

Gene: Kukla_10 Start: 7582, Stop: 7962, Start Num: 2
Candidate Starts for Kukla_10:
(Start: 2 @7582 has 2 MA's), (7, 7615), (9, 7654), (11, 7672), (19, 7804), (21, 7858), (22, 7876), (25, 7921),

Gene: LuckyBarnes_16 Start: 10375, Stop: 10725, Start Num: 4
Candidate Starts for LuckyBarnes_16:
(1, 10354), (Start: 4 @10375 has 1 MA's), (20, 10612), (21, 10633), (25, 10696), (27, 10708), (28, 10717),

Gene: PetriParty_9 Start: 7863, Stop: 8246, Start Num: 2
Candidate Starts for PetriParty_9:
(Start: 2 @7863 has 2 MA's), (6, 7884), (8, 7929), (12, 7956), (14, 8004), (15, 8010), (20, 8121), (21, 8142),

Gene: PorkBelly_9 Start: 7596, Stop: 7961, Start Num: 3
Candidate Starts for PorkBelly_9:
(3, 7596), (5, 7608), (11, 7683), (15, 7740), (16, 7779), (20, 7848), (21, 7869), (23, 7899), (25, 7932),

Gene: TripleJ_10 Start: 7875, Stop: 8258, Start Num: 2
Candidate Starts for TripleJ_10:
(Start: 2 @7875 has 2 MA's), (8, 7941), (12, 7968), (15, 8022), (17, 8073), (20, 8133), (21, 8154),