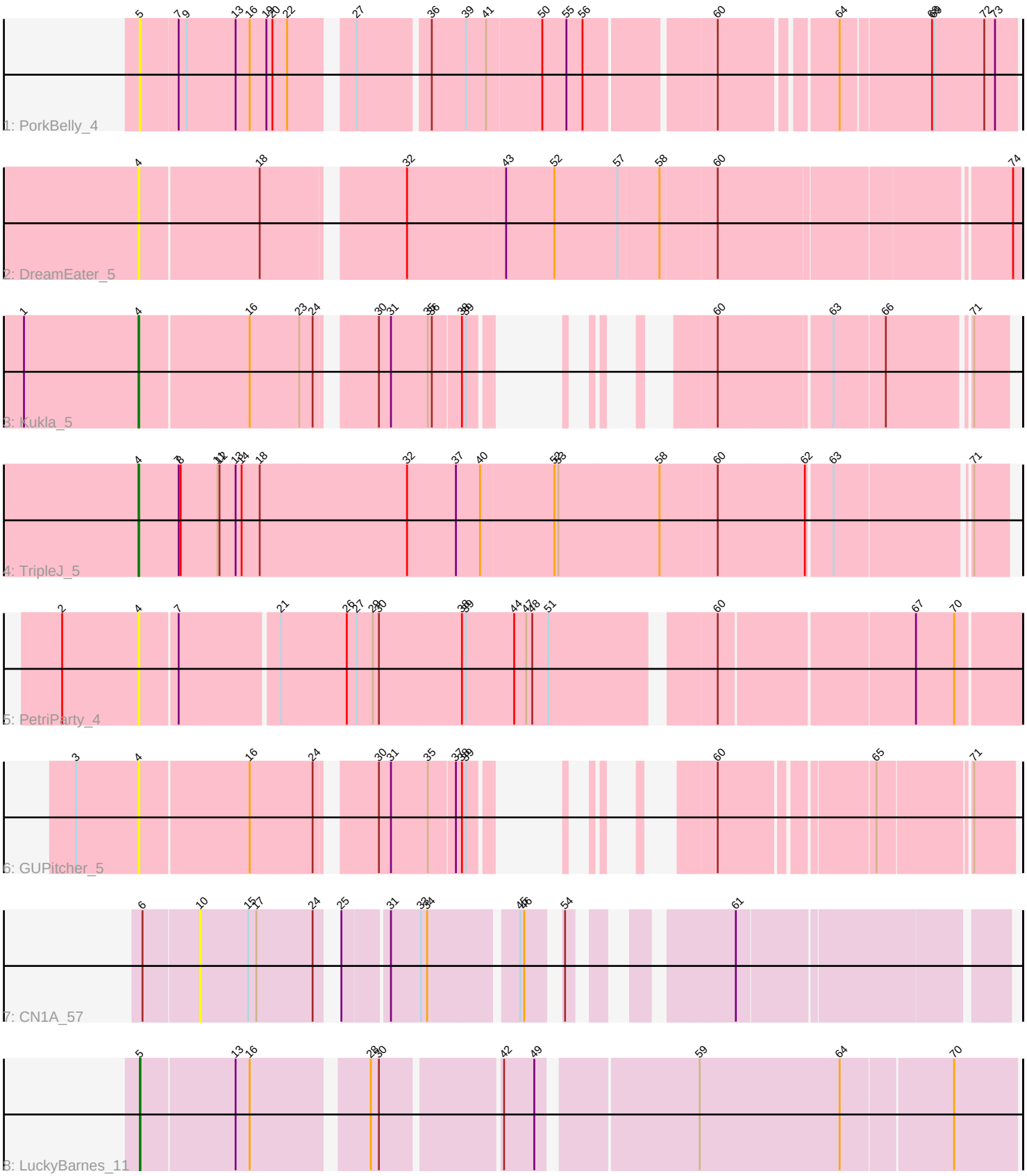
Pham 284479


1: PorkBelly_4
2: DreamEater_5
3: Kukla_5
4: TripleJ_5
5: PetriParty_4
6: GUPitcher_5
7: CN1A_57
8: LuckyBarnes_11

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 284479 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284479 has 8 members, 5 are drafts.

Phages represented in each track:
• Track 1 : PorkBelly_4
• Track 2 : DreamEater_5
• Track 3 : Kukla_5
• Track 4 : TripleJ_5
• Track 5 : PetriParty_4
• Track 6 : GUPitcher_5
• Track 7 : CN1A_57
• Track 8 : LuckyBarnes_11

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 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DreamEater_5, GUPitcher_5, Kukla_5, PetriParty_4, TripleJ_5,

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

Genes that do not have the "Most Annotated" start:
• CN1A_57, LuckyBarnes_11, PorkBelly_4,

Summary by start number:

Start 4:
• Found in 5 of 8 (62.5%) 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_5 (FJ), GUPitcher_5 (FJ), Kukla_5 (FJ), PetriParty_4 (FJ), TripleJ_5 (FJ),

Start 5:
• Found in 2 of 8 (25.0%) 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_11 (singleton), PorkBelly_4 (FJ),

Start 10:
• 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_57 (singleton),

Summary by clusters:

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

Info for manual annotations of cluster FJ:
•Start number 4 was manually annotated 2 times for cluster FJ.

Gene Information:

Gene: CN1A_57 Start: 45536, Stop: 44523, Start Num: 10
Candidate Starts for CN1A_57:
(6, 45617), (10, 45536), (15, 45464), (17, 45452), (24, 45368), (25, 45353), (31, 45290), (33, 45245), (34, 45236), (45, 45113), (46, 45107), (54, 45071), (61, 44900),

Gene: DreamEater_5 Start: 4334, Stop: 5563, Start Num: 4
Candidate Starts for DreamEater_5:
(Start: 4 @4334 has 2 MA's), (18, 4508), (32, 4694), (43, 4838), (52, 4910), (57, 5003), (58, 5063), (60, 5144), (74, 5549),

Gene: GUPitcher_5 Start: 4266, Stop: 5213, Start Num: 4
Candidate Starts for GUPitcher_5:
(3, 4173), (Start: 4 @4266 has 2 MA's), (16, 4425), (24, 4515), (30, 4584), (31, 4602), (35, 4656), (37, 4692), (38, 4701), (39, 4707), (60, 4824), (65, 5025), (71, 5154),

Gene: Kukla_5 Start: 4292, Stop: 5254, Start Num: 4
Candidate Starts for Kukla_5:
(1, 4121), (Start: 4 @4292 has 2 MA's), (16, 4451), (23, 4523), (24, 4541), (30, 4610), (31, 4628), (35, 4682), (36, 4688), (38, 4727), (39, 4733), (60, 4859), (63, 5018), (66, 5090), (71, 5204),

Gene: LuckyBarnes_11 Start: 6861, Stop: 8063, Start Num: 5
Candidate Starts for LuckyBarnes_11:
(Start: 5 @6861 has 1 MA's), (13, 6996), (16, 7017), (28, 7170), (30, 7182), (42, 7341), (49, 7386), (59, 7605), (64, 7812), (70, 7971),

Gene: PetriParty_4 Start: 4265, Stop: 5497, Start Num: 4
Candidate Starts for PetriParty_4:
(2, 4151), (Start: 4 @4265 has 2 MA's), (7, 4319), (21, 4460), (26, 4556), (27, 4571), (29, 4595), (30, 4604), (38, 4727), (39, 4733), (44, 4805), (47, 4823), (48, 4832), (51, 4856), (60, 5075), (67, 5345), (70, 5402),

Gene: PorkBelly_4 Start: 4123, Stop: 5313, Start Num: 5
Candidate Starts for PorkBelly_4:
(Start: 5 @4123 has 1 MA's), (7, 4177), (9, 4189), (13, 4261), (16, 4282), (19, 4306), (20, 4315), (22, 4336), (27, 4411), (36, 4510), (39, 4561), (41, 4591), (50, 4672), (55, 4708), (56, 4732), (60, 4909), (64, 5059), (68, 5188), (69, 5191), (72, 5266), (73, 5281),

Gene: TripleJ_5 Start: 4294, Stop: 5541, Start Num: 4
Candidate Starts for TripleJ_5:
(Start: 4 @4294 has 2 MA's), (7, 4354), (8, 4357), (11, 4411), (12, 4414), (13, 4438), (14, 4447), (18, 4474), (32, 4690), (37, 4762), (40, 4798), (52, 4906), (53, 4912), (58, 5062), (60, 5146), (62, 5269), (63, 5305), (71, 5491),