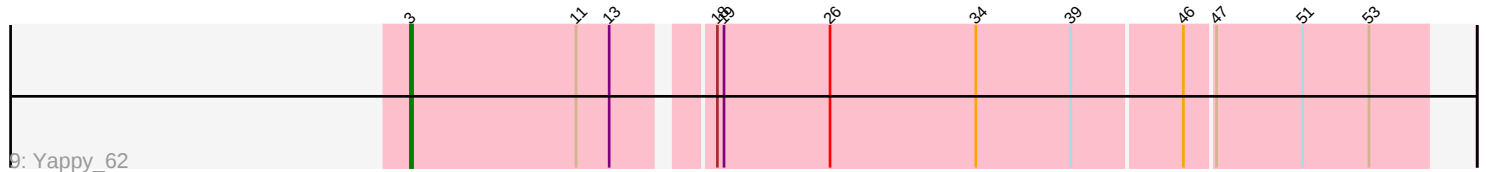
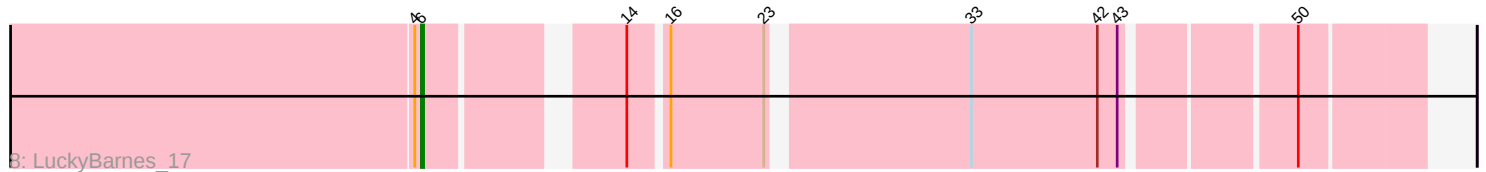
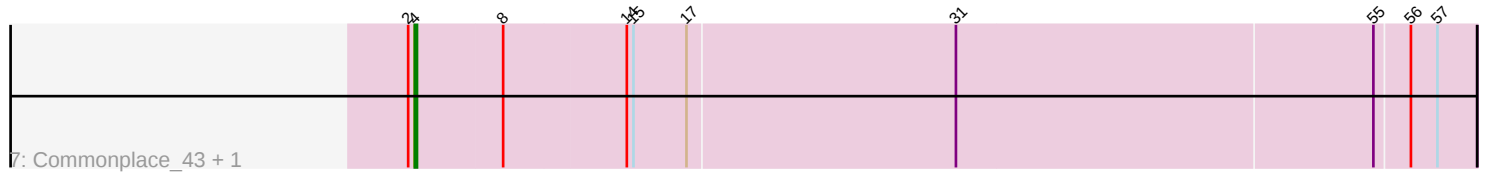
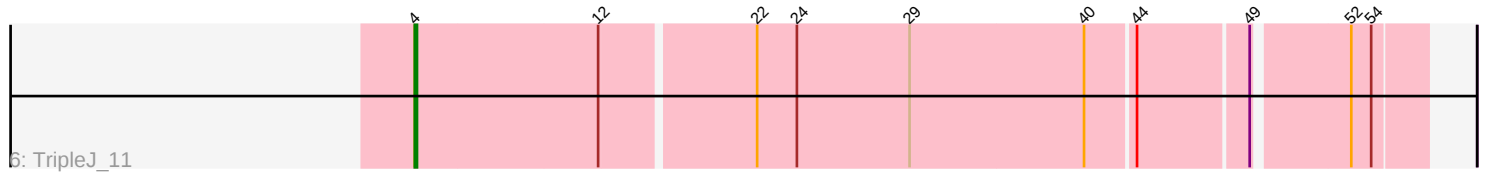
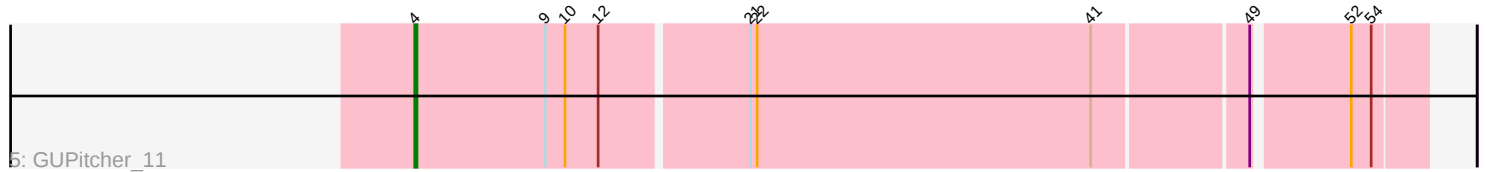
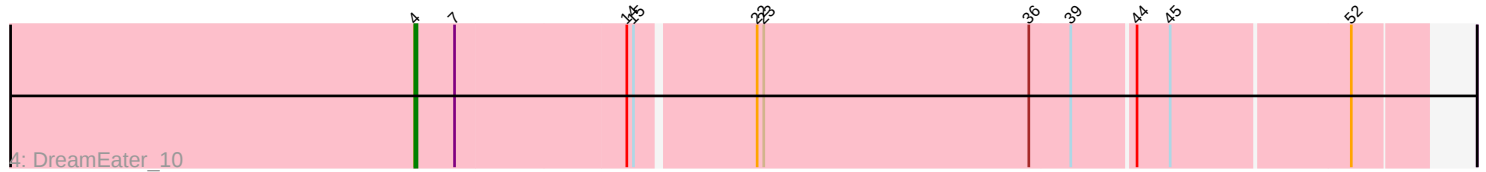
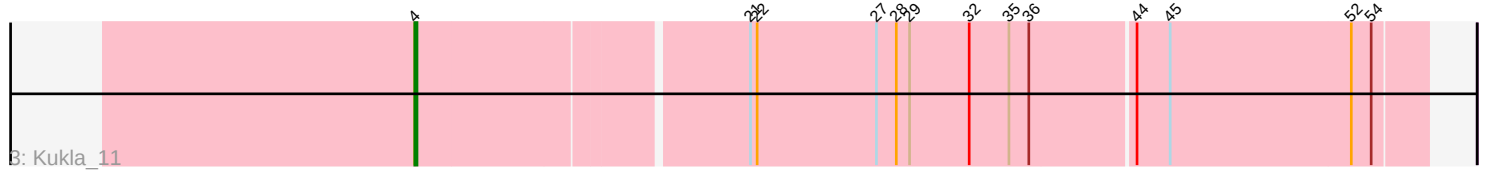
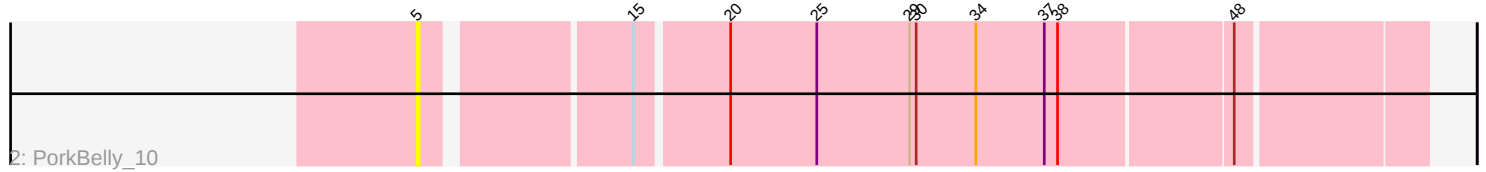
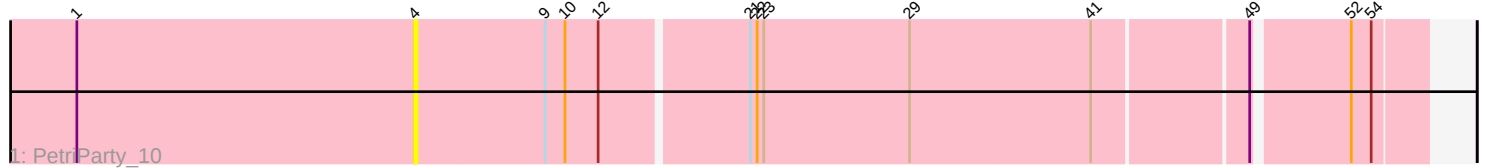


Pham 331502



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 331502 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331502 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : PetriParty_10
- Track 2 : PorkBelly_10
- Track 3 : Kukla_11
- Track 4 : DreamEater_10
- Track 5 : GUPitcher_11
- Track 6 : TripleJ_11
- Track 7 : Commonplace_43, Nonagon_42
- Track 8 : LuckyBarnes_17
- Track 9 : Yappy_62

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 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Commonplace_43, DreamEater_10, GUPitcher_11, Kukla_11, Nonagon_42, PetriParty_10, TripleJ_11,

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

- LuckyBarnes_17,

Genes that do not have the "Most Annotated" start:

- PorkBelly_10, Yappy_62,

Summary by start number:

Start 3:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yappy_62 (singleton),

Start 4:

- Found in 8 of 10 (80.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Commonplace_43 (JD), DreamEater_10 (FJ), GUPitcher_11 (FJ), Kukla_11 (FJ), Nonagon_42 (JD), PetriParty_10 (FJ), TripleJ_11 (FJ),

Start 5:

- 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: PorkBelly_10 (FJ),

Start 6:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LuckyBarnes_17 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: JD, FJ, singleton,

Info for manual annotations of cluster FJ:

- Start number 4 was manually annotated 4 times for cluster FJ.

Info for manual annotations of cluster JD:

- Start number 4 was manually annotated 2 times for cluster JD.

Gene Information:

Gene: Commonplace_43 Start: 24025, Stop: 24495, Start Num: 4

Candidate Starts for Commonplace_43:

(2, 24022), (Start: 4 @24025 has 6 MA's), (8, 24064), (14, 24118), (15, 24121), (17, 24145), (31, 24265), (55, 24451), (56, 24466), (57, 24478),

Gene: DreamEater_10 Start: 8288, Stop: 8728, Start Num: 4

Candidate Starts for DreamEater_10:

(Start: 4 @8288 has 6 MA's), (7, 8306), (14, 8381), (15, 8384), (22, 8435), (23, 8438), (36, 8558), (39, 8576), (44, 8603), (45, 8618), (52, 8696),

Gene: GUPitcher_11 Start: 7926, Stop: 8360, Start Num: 4

Candidate Starts for GUPitcher_11:

(Start: 4 @7926 has 6 MA's), (9, 7983), (10, 7992), (12, 8007), (21, 8070), (22, 8073), (41, 8223), (49, 8289), (52, 8328), (54, 8337),

Gene: Kukla_11 Start: 7949, Stop: 8389, Start Num: 4

Candidate Starts for Kukla_11:

(Start: 4 @7949 has 6 MA's), (21, 8090), (22, 8093), (27, 8147), (28, 8156), (29, 8162), (32, 8189), (35, 8207), (36, 8216), (44, 8261), (45, 8276), (52, 8357), (54, 8366),

Gene: LuckyBarnes_17 Start: 10725, Stop: 11129, Start Num: 6

Candidate Starts for LuckyBarnes_17:

(Start: 4 @10722 has 6 MA's), (Start: 6 @10725 has 1 MA's), (14, 10800), (16, 10815), (23, 10857), (33, 10941), (42, 10998), (43, 11007), (50, 11076),

Gene: Nonagon_42 Start: 23725, Stop: 24195, Start Num: 4

Candidate Starts for Nonagon_42:

(2, 23722), (Start: 4 @23725 has 6 MA's), (8, 23764), (14, 23818), (15, 23821), (17, 23845), (31, 23965), (55, 24151), (56, 24166), (57, 24178),

Gene: PetriParty_10 Start: 8233, Stop: 8667, Start Num: 4

Candidate Starts for PetriParty_10:

(1, 8080), (Start: 4 @8233 has 6 MA's), (9, 8290), (10, 8299), (12, 8314), (21, 8377), (22, 8380), (23, 8383), (29, 8449), (41, 8530), (49, 8596), (52, 8635), (54, 8644),

Gene: PorkBelly_10 Start: 7961, Stop: 8386, Start Num: 5

Candidate Starts for PorkBelly_10:

(5, 7961), (15, 8045), (20, 8084), (25, 8123), (29, 8165), (30, 8168), (34, 8195), (37, 8225), (38, 8231), (48, 8306),

Gene: TripleJ_11 Start: 8245, Stop: 8679, Start Num: 4

Candidate Starts for TripleJ_11:

(Start: 4 @8245 has 6 MA's), (12, 8326), (22, 8392), (24, 8410), (29, 8461), (40, 8539), (44, 8560), (49, 8608), (52, 8647), (54, 8656),

Gene: Yappy_62 Start: 21993, Stop: 22433, Start Num: 3

Candidate Starts for Yappy_62:

(Start: 3 @21993 has 1 MA's), (11, 22068), (13, 22083), (18, 22119), (19, 22122), (26, 22170), (34, 22236), (39, 22278), (46, 22326), (47, 22338), (51, 22377), (53, 22407),