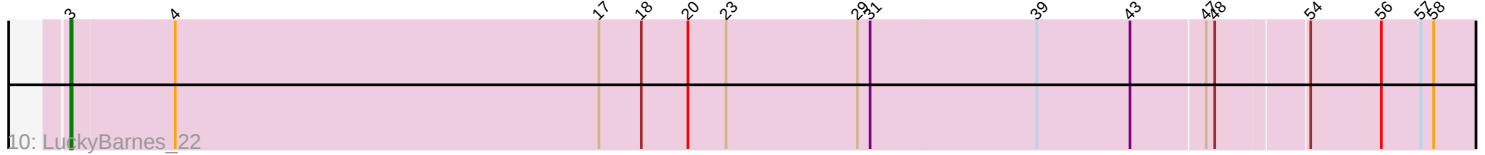
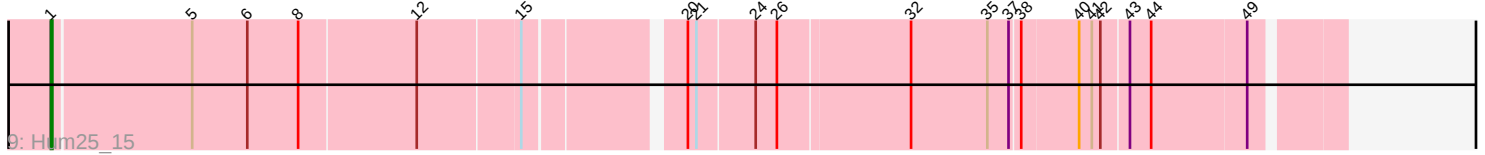
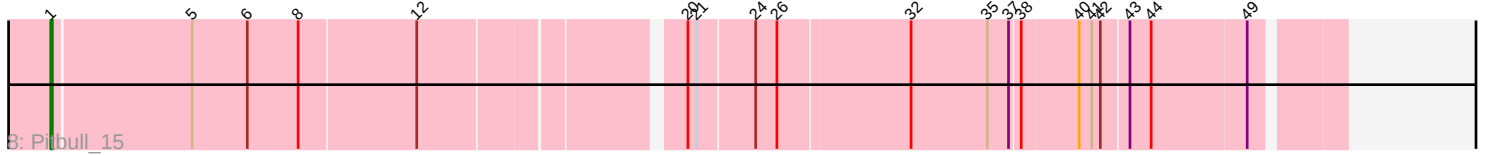
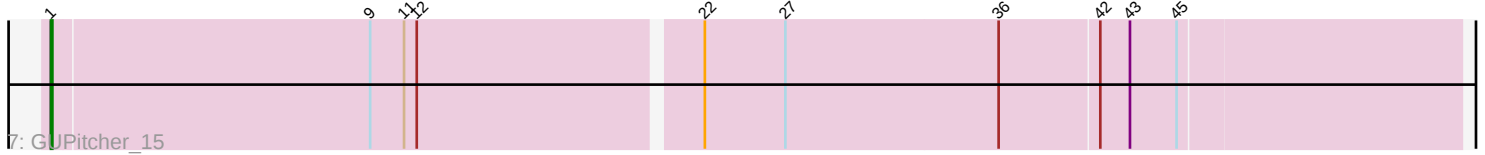
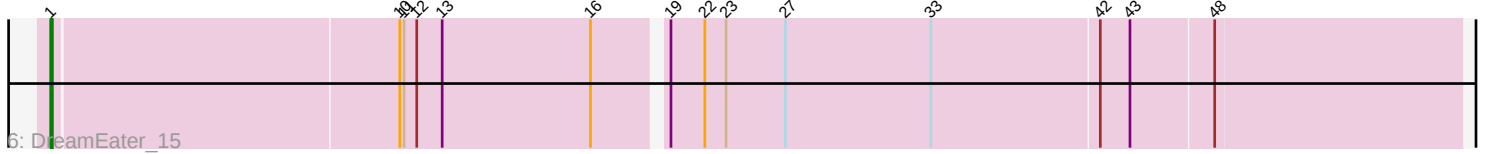
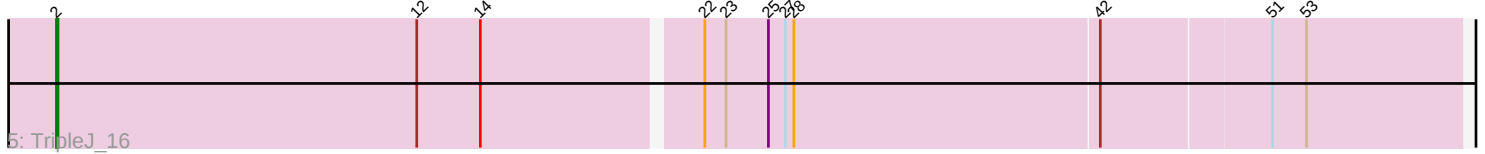
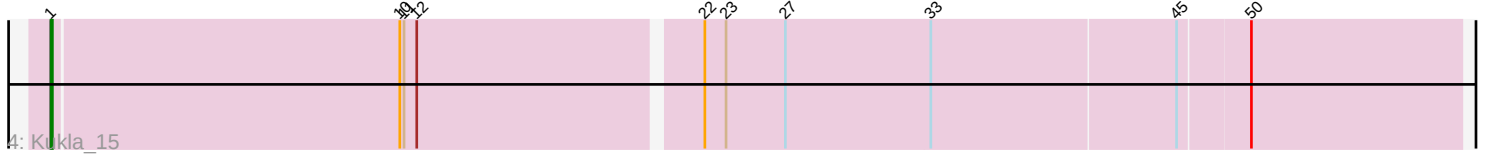
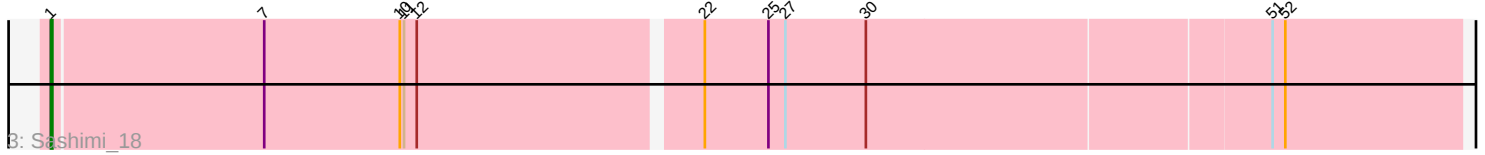
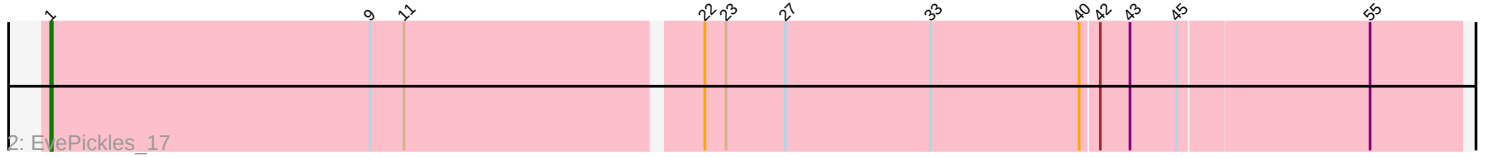
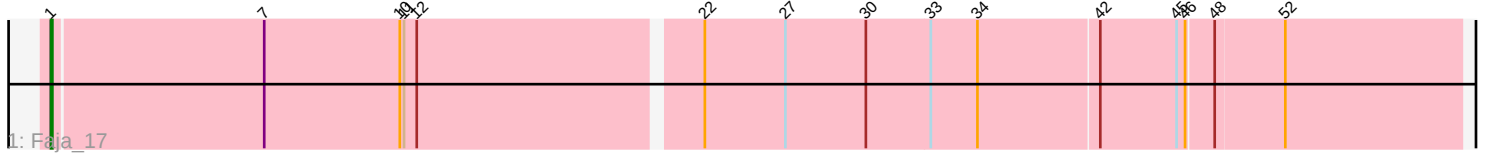


Pham 331496



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 331496 Report

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

Pham number 331496 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Faja_17
- Track 2 : EvePickles_17
- Track 3 : Sashimi_18
- Track 4 : Kukla_15
- Track 5 : TripleJ_16
- Track 6 : DreamEater_15
- Track 7 : GUPitcher_15
- Track 8 : Pitbull_15
- Track 9 : Hum25_15
- Track 10 : LuckyBarnes_22

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DreamEater_15, EvePickles_17, Faja_17, GUPitcher_15, Hum25_15, Kukla_15, Pitbull_15, Sashimi_18,

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

-

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

- LuckyBarnes_22, TripleJ_16,

Summary by start number:

Start 1:

- Found in 8 of 10 (80.0%) of genes in pham
- Manual Annotations of this start: 8 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DreamEater_15 (FJ), EvePickles_17 (AY), Faja_17 (AY), GUPitcher_15 (FJ), Hum25_15 (FQ1), Kukla_15 (FJ), Pitbull_15

(FQ1), Sashimi_18 (AY),

Start 2:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TripleJ_16 (FJ),

Start 3:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LuckyBarnes_22 (singleton),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FJ, FQ1, singleton,

Info for manual annotations of cluster AY:

- Start number 1 was manually annotated 3 times for cluster AY.

Info for manual annotations of cluster FJ:

- Start number 1 was manually annotated 3 times for cluster FJ.
- Start number 2 was manually annotated 1 time for cluster FJ.

Info for manual annotations of cluster FQ1:

- Start number 1 was manually annotated 2 times for cluster FQ1.

Gene Information:

Gene: DreamEater_15 Start: 9857, Stop: 10827, Start Num: 1

Candidate Starts for DreamEater_15:

(Start: 1 @9857 has 8 MA's), (10, 10097), (11, 10100), (12, 10109), (13, 10127), (16, 10232), (19, 10277), (22, 10301), (23, 10316), (27, 10358), (33, 10460), (42, 10577), (43, 10598), (48, 10655),

Gene: EvePickles_17 Start: 9791, Stop: 10767, Start Num: 1

Candidate Starts for EvePickles_17:

(Start: 1 @9791 has 8 MA's), (9, 10016), (11, 10040), (22, 10241), (23, 10256), (27, 10298), (33, 10400), (40, 10505), (42, 10517), (43, 10538), (45, 10571), (55, 10703),

Gene: Faja_17 Start: 9736, Stop: 10709, Start Num: 1

Candidate Starts for Faja_17:

(Start: 1 @9736 has 8 MA's), (7, 9883), (10, 9979), (11, 9982), (12, 9991), (22, 10183), (27, 10240), (30, 10297), (33, 10342), (34, 10375), (42, 10459), (45, 10513), (46, 10519), (48, 10537), (52, 10585),

Gene: GUPitcher_15 Start: 9226, Stop: 10199, Start Num: 1

Candidate Starts for GUPitcher_15:

(Start: 1 @9226 has 8 MA's), (9, 9448), (11, 9472), (12, 9481), (22, 9673), (27, 9730), (36, 9880), (42, 9949), (43, 9970), (45, 10003),

Gene: Hum25_15 Start: 8518, Stop: 9374, Start Num: 1

Candidate Starts for Hum25_15:

(Start: 1 @8518 has 8 MA's), (5, 8614), (6, 8653), (8, 8689), (12, 8770), (15, 8839), (20, 8938), (21, 8944), (24, 8983), (26, 8998), (32, 9088), (35, 9142), (37, 9157), (38, 9163), (40, 9202), (41, 9211), (42, 9217), (43, 9235), (44, 9250), (49, 9316),

Gene: Kukla_15 Start: 9254, Stop: 10227, Start Num: 1

Candidate Starts for Kukla_15:

(Start: 1 @9254 has 8 MA's), (10, 9497), (11, 9500), (12, 9509), (22, 9701), (23, 9716), (27, 9758), (33, 9860), (45, 10031), (50, 10079),

Gene: LuckyBarnes_22 Start: 12564, Stop: 13543, Start Num: 3

Candidate Starts for LuckyBarnes_22:

(Start: 3 @12564 has 1 MA's), (4, 12636), (17, 12936), (18, 12966), (20, 12999), (23, 13026), (29, 13119), (31, 13128), (39, 13245), (43, 13311), (47, 13362), (48, 13368), (54, 13428), (56, 13476), (57, 13503), (58, 13512),

Gene: Pitbull_15 Start: 8148, Stop: 9004, Start Num: 1

Candidate Starts for Pitbull_15:

(Start: 1 @8148 has 8 MA's), (5, 8244), (6, 8283), (8, 8319), (12, 8400), (20, 8568), (21, 8574), (24, 8613), (26, 8628), (32, 8718), (35, 8772), (37, 8787), (38, 8793), (40, 8832), (41, 8841), (42, 8847), (43, 8865), (44, 8880), (49, 8946),

Gene: Sashimi_18 Start: 9853, Stop: 10826, Start Num: 1

Candidate Starts for Sashimi_18:

(Start: 1 @9853 has 8 MA's), (7, 10000), (10, 10096), (11, 10099), (12, 10108), (22, 10300), (25, 10345), (27, 10357), (30, 10414), (51, 10693), (52, 10702),

Gene: TripleJ_16 Start: 9801, Stop: 10774, Start Num: 2

Candidate Starts for TripleJ_16:

(Start: 2 @9801 has 1 MA's), (12, 10056), (14, 10101), (22, 10248), (23, 10263), (25, 10293), (27, 10305), (28, 10311), (42, 10524), (51, 10641), (53, 10665),