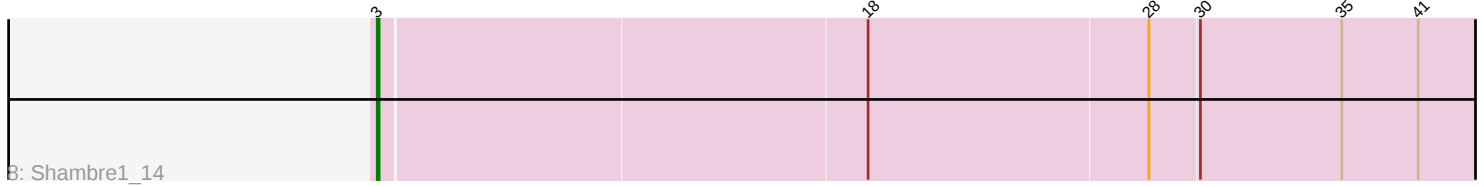
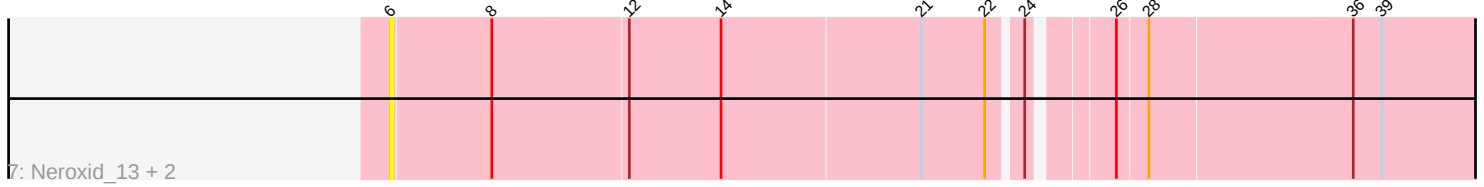
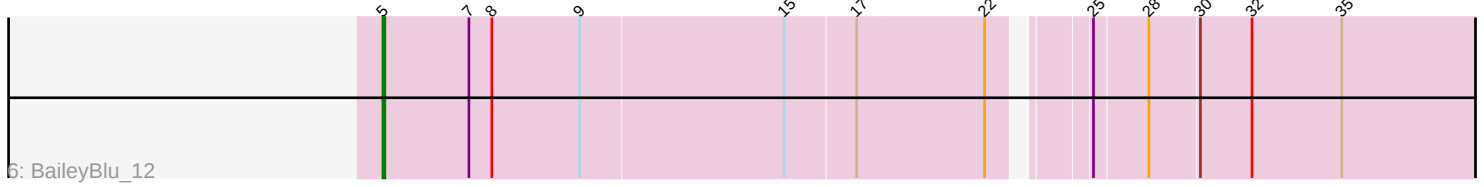
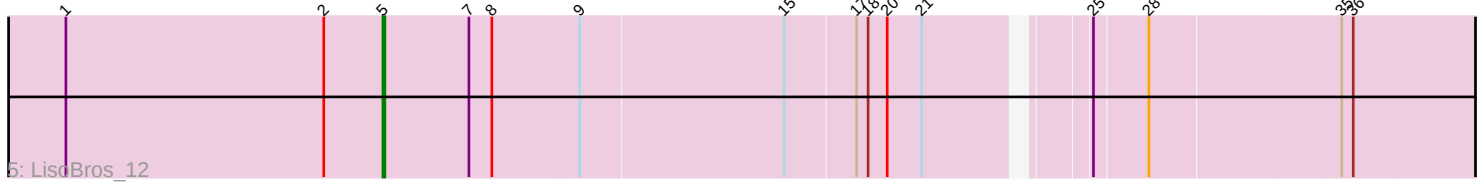
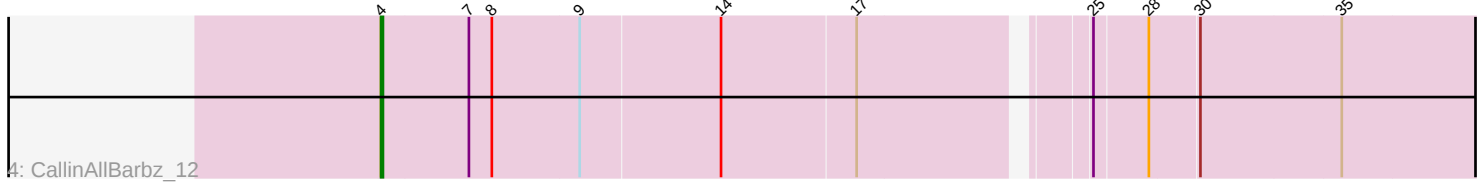
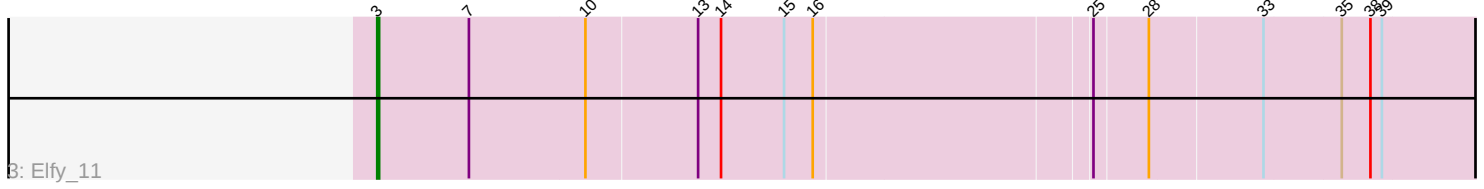
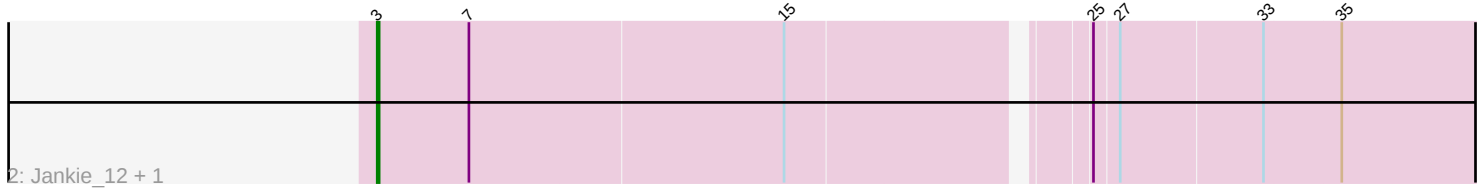
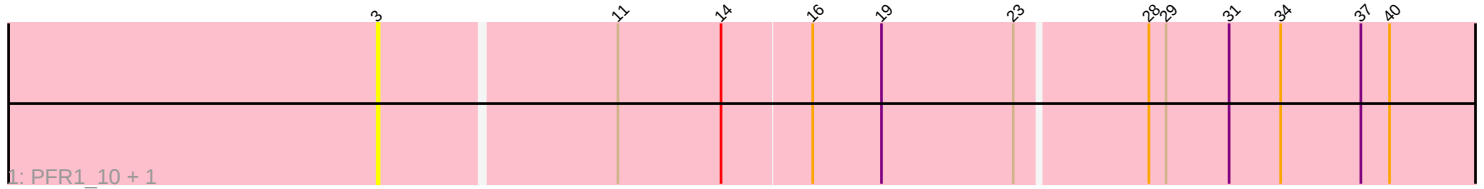


Pham 331430



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 331430 Report

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

Pham number 331430 has 12 members, 5 are drafts.

Phages represented in each track:

- Track 1 : PFR1_10, PFR2_10
- Track 2 : Jankie_12, GrimEater_12
- Track 3 : Elfy_11
- Track 4 : CallinAllBarbz_12
- Track 5 : LisoBros_12
- Track 6 : BaileyBlu_12
- Track 7 : Neroxid_13, Raya_13, Skyerus_13
- Track 8 : Shambre1_14

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Elfy_11, GrimEater_12, Jankie_12, PFR1_10, PFR2_10, Shambre1_14,

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

-

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

- BaileyBlu_12, CallinAllBarbz_12, LisoBros_12, Neroxid_13, Raya_13, Skyerus_13,

Summary by start number:

Start 3:

- Found in 6 of 12 (50.0%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elfy_11 (FP), GrimEater_12 (FP), Jankie_12 (FP), PFR1_10 (BX), PFR2_10 (BX), Shambre1_14 (singleton),

Start 4:

- Found in 1 of 12 (8.3%) of genes in pham

- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CallinAllBarbz_12 (FP),

Start 5:

- Found in 2 of 12 (16.7%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BaileyBlu_12 (FP), LisoBros_12 (FP),

Start 6:

- Found in 3 of 12 (25.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Neroxid_13 (FQ2), Raya_13 (FQ2), Skyerus_13 (FQ2),

Summary by clusters:

There are 4 clusters represented in this pham: FP, FQ2, singleton, BX,

Info for manual annotations of cluster FP:

- Start number 3 was manually annotated 3 times for cluster FP.
- Start number 4 was manually annotated 1 time for cluster FP.
- Start number 5 was manually annotated 2 times for cluster FP.

Gene Information:

Gene: BaileyBlu_12 Start: 7191, Stop: 7754, Start Num: 5

Candidate Starts for BaileyBlu_12:

(Start: 5 @7191 has 2 MA's), (7, 7236), (8, 7248), (9, 7293), (15, 7398), (17, 7434), (22, 7500), (25, 7539), (28, 7566), (30, 7590), (32, 7617), (35, 7662),

Gene: CallinAllBarbz_12 Start: 7199, Stop: 7762, Start Num: 4

Candidate Starts for CallinAllBarbz_12:

(Start: 4 @7199 has 1 MA's), (7, 7244), (8, 7256), (9, 7301), (14, 7373), (17, 7442), (25, 7547), (28, 7574), (30, 7598), (35, 7670),

Gene: Elfy_11 Start: 7126, Stop: 7710, Start Num: 3

Candidate Starts for Elfy_11:

(Start: 3 @7126 has 4 MA's), (7, 7174), (10, 7234), (13, 7291), (14, 7303), (15, 7336), (16, 7351), (25, 7489), (28, 7516), (33, 7573), (35, 7612), (38, 7627), (39, 7633),

Gene: GrimEater_12 Start: 7199, Stop: 7771, Start Num: 3

Candidate Starts for GrimEater_12:

(Start: 3 @7199 has 4 MA's), (7, 7247), (15, 7409), (25, 7550), (27, 7562), (33, 7634), (35, 7673),

Gene: Jankie_12 Start: 7198, Stop: 7770, Start Num: 3

Candidate Starts for Jankie_12:

(Start: 3 @7198 has 4 MA's), (7, 7246), (15, 7408), (25, 7549), (27, 7561), (33, 7633), (35, 7672),

Gene: LisoBros_12 Start: 7473, Stop: 8045, Start Num: 5

Candidate Starts for LisoBros_12:

(1, 7308), (2, 7443), (Start: 5 @7473 has 2 MA's), (7, 7518), (8, 7530), (9, 7575), (15, 7680), (17, 7716), (18, 7722), (20, 7731), (21, 7749), (25, 7821), (28, 7848), (35, 7944), (36, 7950),

Gene: Neroxid_13 Start: 7140, Stop: 7685, Start Num: 6

Candidate Starts for Neroxid_13:

(6, 7140), (8, 7191), (12, 7260), (14, 7308), (21, 7410), (22, 7443), (24, 7458), (26, 7494), (28, 7509), (36, 7611), (39, 7626),

Gene: PFR1_10 Start: 8107, Stop: 8706, Start Num: 3

Candidate Starts for PFR1_10:

(Start: 3 @8107 has 4 MA's), (11, 8227), (14, 8281), (16, 8326), (19, 8362), (23, 8431), (28, 8497), (29, 8506), (31, 8539), (34, 8566), (37, 8608), (40, 8623),

Gene: PFR2_10 Start: 8107, Stop: 8706, Start Num: 3

Candidate Starts for PFR2_10:

(Start: 3 @8107 has 4 MA's), (11, 8227), (14, 8281), (16, 8326), (19, 8362), (23, 8431), (28, 8497), (29, 8506), (31, 8539), (34, 8566), (37, 8608), (40, 8623),

Gene: Raya_13 Start: 7140, Stop: 7685, Start Num: 6

Candidate Starts for Raya_13:

(6, 7140), (8, 7191), (12, 7260), (14, 7308), (21, 7410), (22, 7443), (24, 7458), (26, 7494), (28, 7509), (36, 7611), (39, 7626),

Gene: Shambre1_14 Start: 9456, Stop: 10025, Start Num: 3

Candidate Starts for Shambre1_14:

(Start: 3 @9456 has 4 MA's), (18, 9705), (28, 9849), (30, 9873), (35, 9945), (41, 9984),

Gene: Skyerus_13 Start: 7140, Stop: 7685, Start Num: 6

Candidate Starts for Skyerus_13:

(6, 7140), (8, 7191), (12, 7260), (14, 7308), (21, 7410), (22, 7443), (24, 7458), (26, 7494), (28, 7509), (36, 7611), (39, 7626),