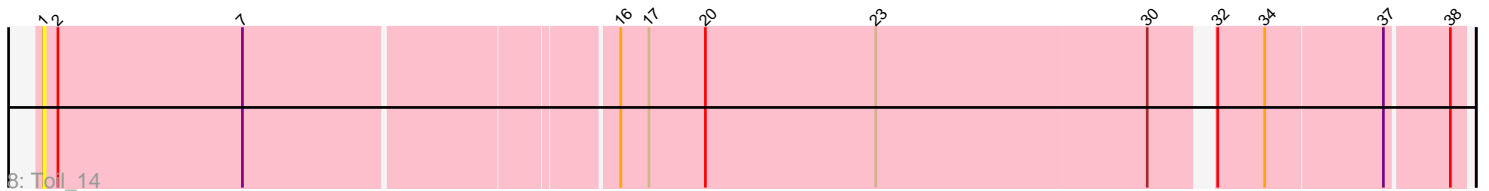
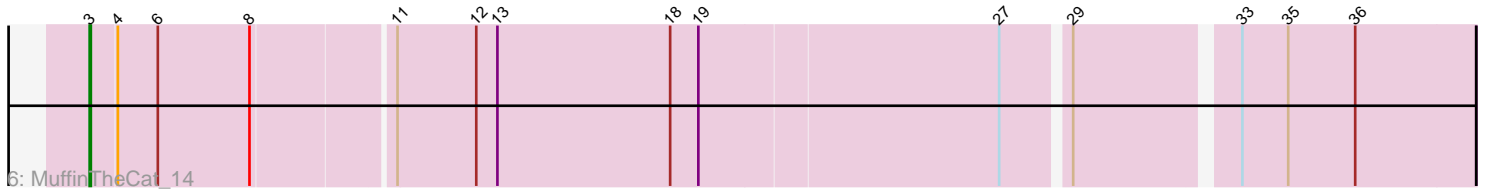
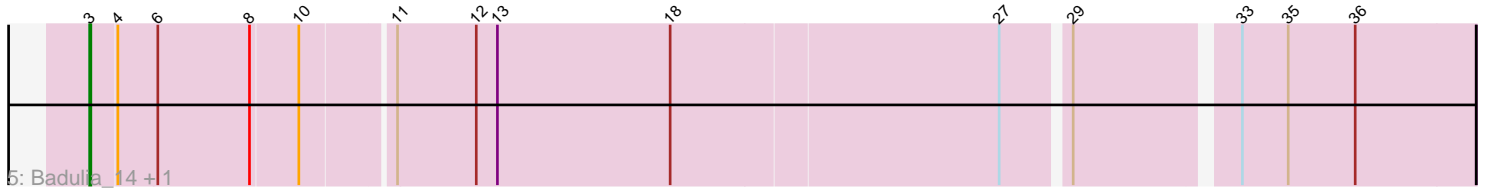
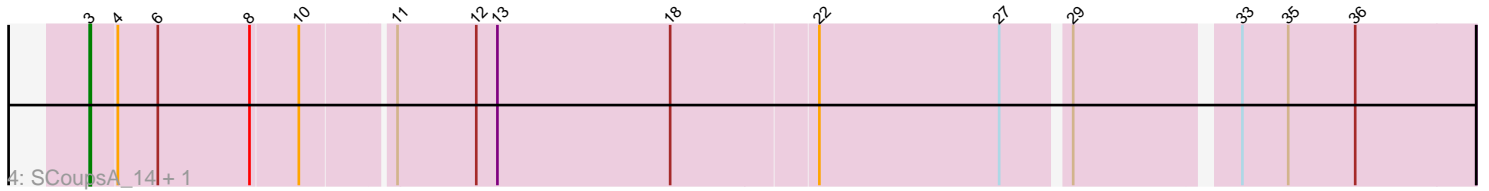
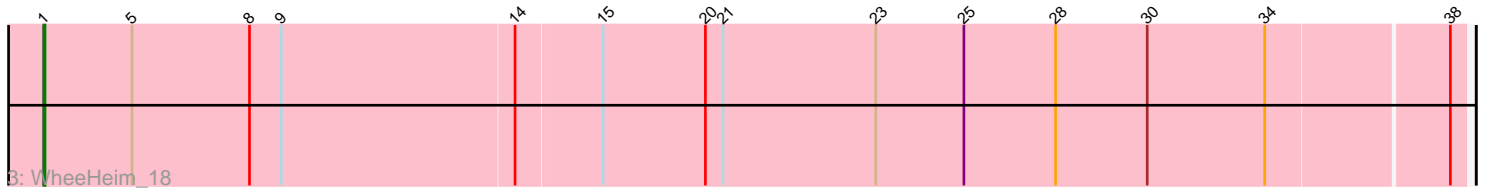
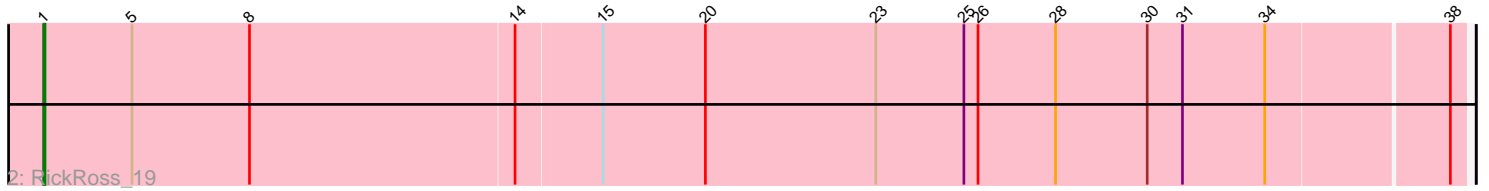
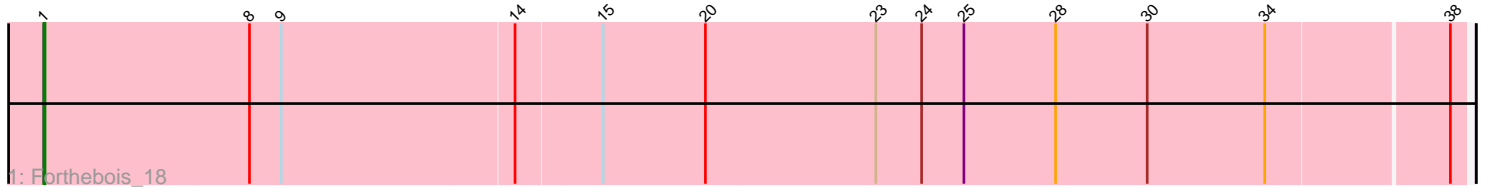


# Pham 87643



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 87643 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87643 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Forthebois\_18
- Track 2 : RickRoss\_19
- Track 3 : WheeHeim\_18
- Track 4 : SCoupsA\_14, DesireeRose\_14
- Track 5 : Badulia\_14, LuzDeMundo\_14
- Track 6 : MuffinTheCat\_14
- Track 7 : Bee17\_15
- Track 8 : Toil\_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 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Badulia\_14, Bee17\_15, DesireeRose\_14, LuzDeMundo\_14, MuffinTheCat\_14, SCoupsA\_14,

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

- 

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

- Forthebois\_18, RickRoss\_19, Toil\_14, WheeHeim\_18,

### **Summary by start number:**

Start 1:

- Found in 4 of 10 ( 40.0% ) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Forthebois\_18 (BO), RickRoss\_19 (BO), Toil\_14 (singleton), WheeHeim\_18 (BO),

Start 3:

- Found in 6 of 10 ( 60.0% ) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Badulia\_14 (GE), Bee17\_15 (GE), DesireeRose\_14 (GE), LuzDeMundo\_14 (GE), MuffinTheCat\_14 (GE), SCoupsA\_14 (GE),

### **Summary by clusters:**

There are 3 clusters represented in this pham: GE, BO, singleton,

Info for manual annotations of cluster BO:

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

Info for manual annotations of cluster GE:

- Start number 3 was manually annotated 6 times for cluster GE.

### **Gene Information:**

Gene: Badulia\_14 Start: 6881, Stop: 8002, Start Num: 3

Candidate Starts for Badulia\_14:

(Start: 3 @6881 has 6 MA's), (4, 6902), (6, 6935), (8, 7013), (10, 7052), (11, 7124), (12, 7190), (13, 7208), (18, 7355), (27, 7628), (29, 7679), (33, 7805), (35, 7844), (36, 7901),

Gene: Bee17\_15 Start: 7027, Stop: 8148, Start Num: 3

Candidate Starts for Bee17\_15:

(Start: 3 @7027 has 6 MA's), (4, 7048), (6, 7081), (8, 7159), (10, 7198), (11, 7270), (12, 7336), (13, 7354), (18, 7501), (29, 7825), (33, 7951), (35, 7990), (36, 8047),

Gene: DesireeRose\_14 Start: 6904, Stop: 8025, Start Num: 3

Candidate Starts for DesireeRose\_14:

(Start: 3 @6904 has 6 MA's), (4, 6925), (6, 6958), (8, 7036), (10, 7075), (11, 7147), (12, 7213), (13, 7231), (18, 7378), (22, 7498), (27, 7651), (29, 7702), (33, 7828), (35, 7867), (36, 7924),

Gene: Forthebois\_18 Start: 8679, Stop: 9860, Start Num: 1

Candidate Starts for Forthebois\_18:

(Start: 1 @8679 has 3 MA's), (8, 8850), (9, 8877), (14, 9072), (15, 9141), (20, 9228), (23, 9372), (24, 9411), (25, 9447), (28, 9525), (30, 9603), (34, 9702), (38, 9849),

Gene: LuzDeMundo\_14 Start: 6867, Stop: 7988, Start Num: 3

Candidate Starts for LuzDeMundo\_14:

(Start: 3 @6867 has 6 MA's), (4, 6888), (6, 6921), (8, 6999), (10, 7038), (11, 7110), (12, 7176), (13, 7194), (18, 7341), (27, 7614), (29, 7665), (33, 7791), (35, 7830), (36, 7887),

Gene: MuffinTheCat\_14 Start: 6905, Stop: 8026, Start Num: 3

Candidate Starts for MuffinTheCat\_14:

(Start: 3 @6905 has 6 MA's), (4, 6926), (6, 6959), (8, 7037), (11, 7148), (12, 7214), (13, 7232), (18, 7379), (19, 7403), (27, 7652), (29, 7703), (33, 7829), (35, 7868), (36, 7925),

Gene: RickRoss\_19 Start: 8762, Stop: 9943, Start Num: 1

Candidate Starts for RickRoss\_19:

(Start: 1 @8762 has 3 MA's), (5, 8834), (8, 8933), (14, 9155), (15, 9224), (20, 9311), (23, 9455), (25, 9530), (26, 9542), (28, 9608), (30, 9686), (31, 9716), (34, 9785), (38, 9932),

Gene: SCoupsA\_14 Start: 6881, Stop: 8002, Start Num: 3

Candidate Starts for SCoupsA\_14:

(Start: 3 @6881 has 6 MA's), (4, 6902), (6, 6935), (8, 7013), (10, 7052), (11, 7124), (12, 7190), (13, 7208), (18, 7355), (22, 7475), (27, 7628), (29, 7679), (33, 7805), (35, 7844), (36, 7901),

Gene: Toil\_14 Start: 6654, Stop: 7796, Start Num: 1

Candidate Starts for Toil\_14:

(Start: 1 @6654 has 3 MA's), (2, 6666), (7, 6822), (16, 7116), (17, 7140), (20, 7188), (23, 7332), (30, 7560), (32, 7599), (34, 7638), (37, 7734), (38, 7785),

Gene: WheeHeim\_18 Start: 8697, Stop: 9878, Start Num: 1

Candidate Starts for WheeHeim\_18:

(Start: 1 @8697 has 3 MA's), (5, 8769), (8, 8868), (9, 8895), (14, 9090), (15, 9159), (20, 9246), (21, 9261), (23, 9390), (25, 9465), (28, 9543), (30, 9621), (34, 9720), (38, 9867),