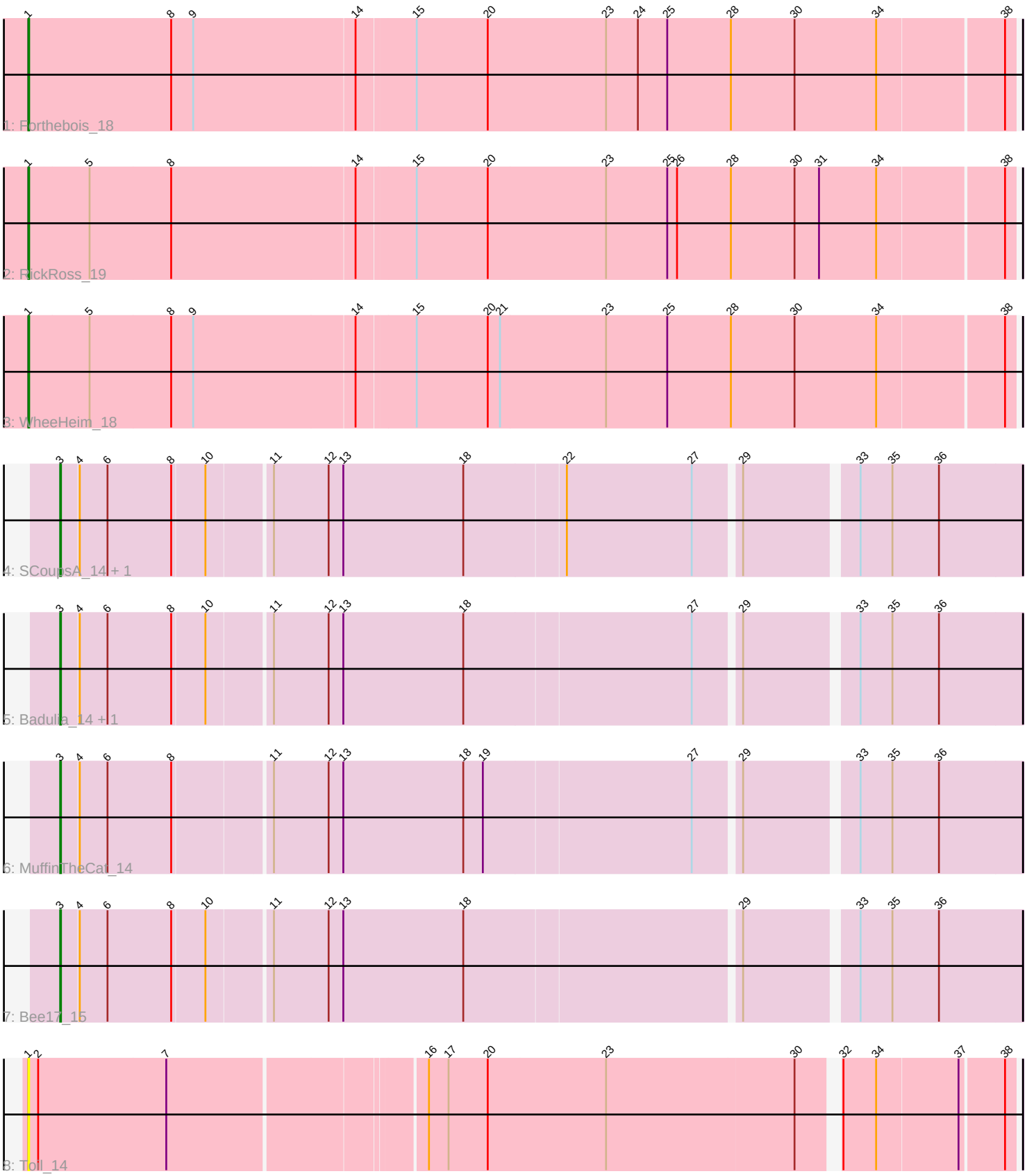
Pham 87643


1: Forthebois_18
2: RickRoss_19
3: WheeHeim_18
4: SCoupsA_14 + 1
5: Badulla_14 + 1
6: MuffinTheCat_14
7: Bee17_15
8: Toil_14

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 04/05/24 on database version 557.

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),