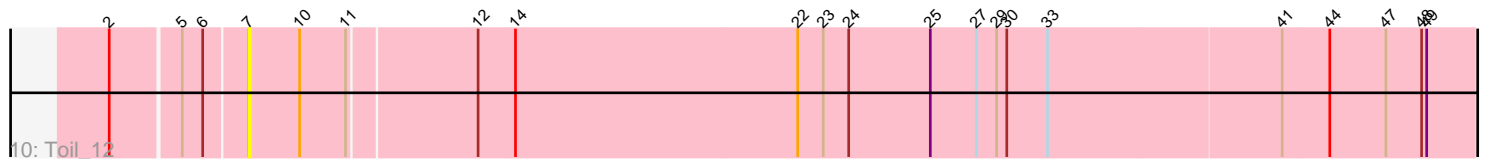
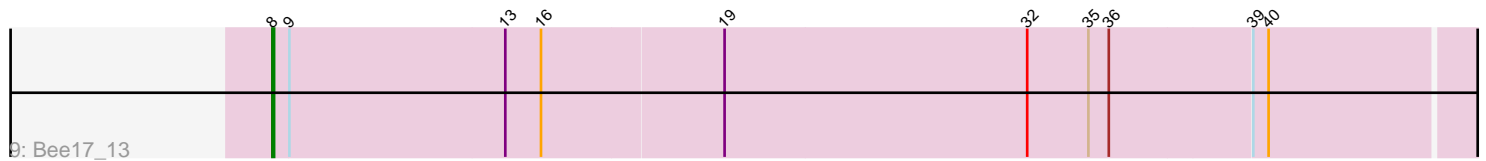
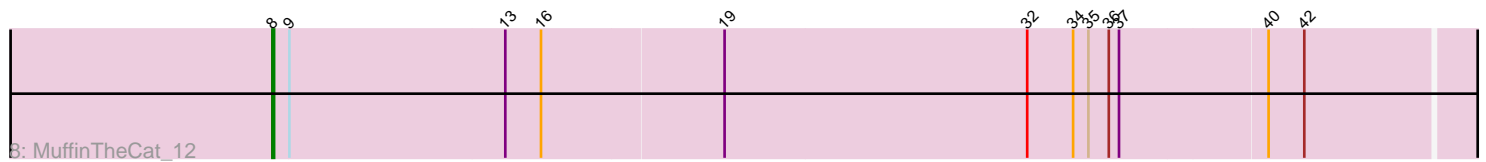
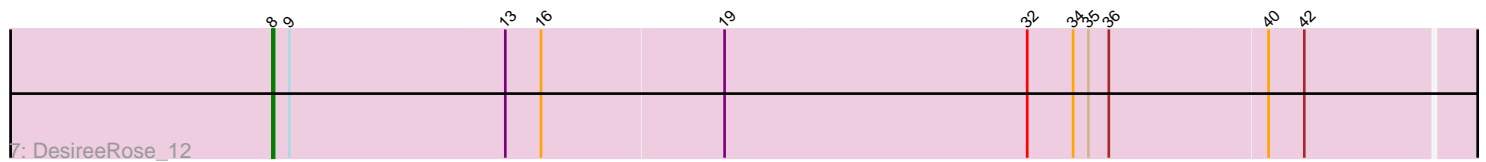
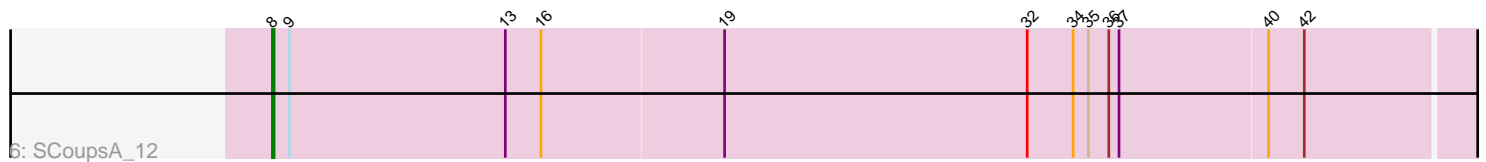
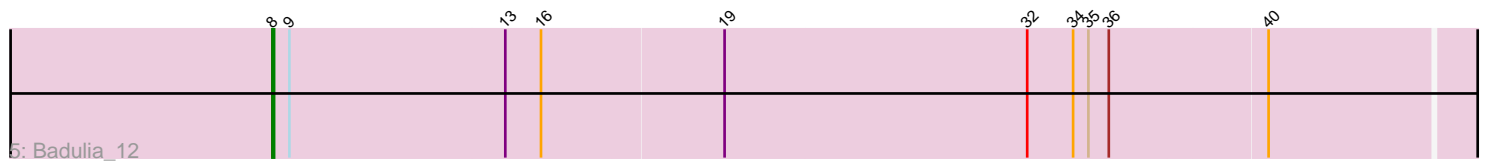
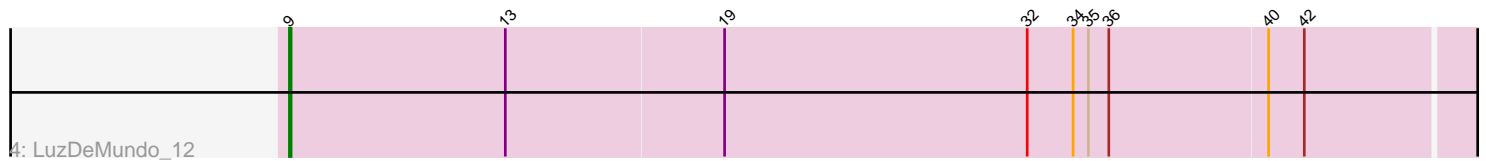
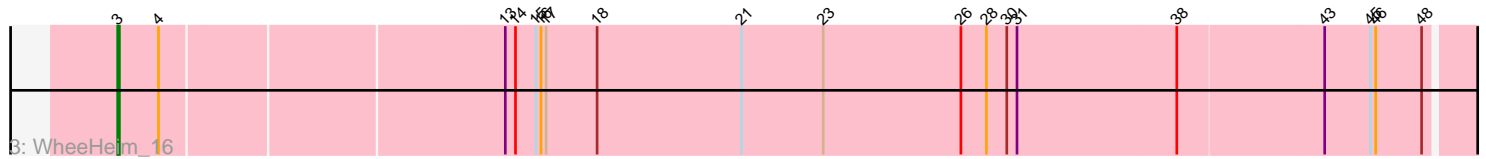
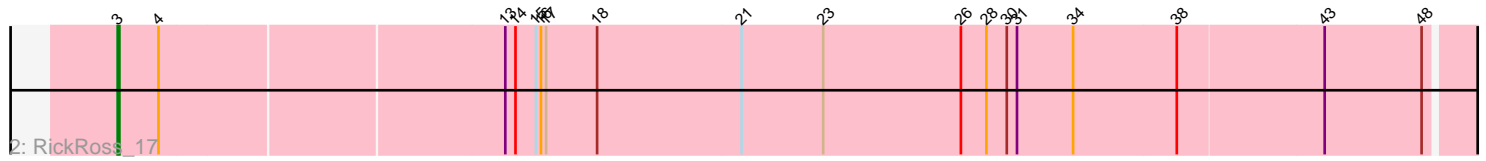
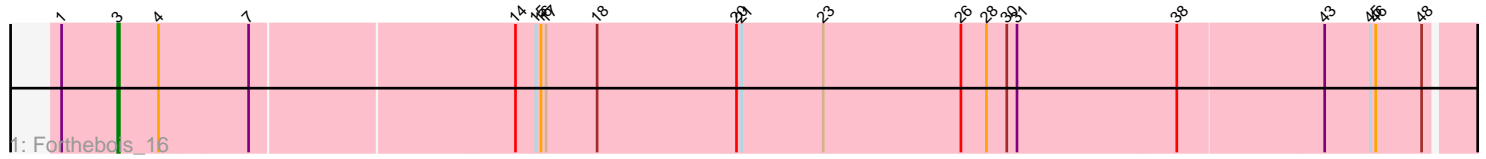


Pham 126034



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 126034 Report

This analysis was run 04/05/24 on database version 557.

Pham number 126034 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Forthebois_16
- Track 2 : RickRoss_17
- Track 3 : WheeHeim_16
- Track 4 : LuzDeMundo_12
- Track 5 : Badulia_12
- Track 6 : SCoupsA_12
- Track 7 : DesireeRose_12
- Track 8 : MuffinTheCat_12
- Track 9 : Bee17_13
- Track 10 : Toil_12

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Badulia_12, Bee17_13, DesireeRose_12, MuffinTheCat_12, SCoupsA_12,

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

-

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

- Forthebois_16, LuzDeMundo_12, RickRoss_17, Toil_12, WheeHeim_16,

Summary by start number:

Start 3:

- Found in 3 of 10 (30.0%) 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_16 (BO), RickRoss_17 (BO), WheeHeim_16 (BO),

Start 7:

- Found in 2 of 10 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Toil_12 (singleton),

Start 8:

- Found in 5 of 10 (50.0%) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Badulia_12 (GE), Bee17_13 (GE), DesireeRose_12 (GE), MuffinTheCat_12 (GE), SCoupsA_12 (GE),

Start 9:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 16.7% of time when present
- Phage (with cluster) where this start called: LuzDeMundo_12 (GE),

Summary by clusters:

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

Info for manual annotations of cluster BO:

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

Info for manual annotations of cluster GE:

- Start number 8 was manually annotated 5 times for cluster GE.
- Start number 9 was manually annotated 1 time for cluster GE.

Gene Information:

Gene: Badulia_12 Start: 5917, Stop: 6615, Start Num: 8

Candidate Starts for Badulia_12:

(Start: 8 @5917 has 5 MA's), (Start: 9 @5926 has 1 MA's), (13, 6052), (16, 6073), (19, 6178), (32, 6355), (34, 6382), (35, 6391), (36, 6403), (40, 6493),

Gene: Bee17_13 Start: 6063, Stop: 6761, Start Num: 8

Candidate Starts for Bee17_13:

(Start: 8 @6063 has 5 MA's), (Start: 9 @6072 has 1 MA's), (13, 6198), (16, 6219), (19, 6324), (32, 6501), (35, 6537), (36, 6549), (39, 6630), (40, 6639),

Gene: DesireeRose_12 Start: 5940, Stop: 6638, Start Num: 8

Candidate Starts for DesireeRose_12:

(Start: 8 @5940 has 5 MA's), (Start: 9 @5949 has 1 MA's), (13, 6075), (16, 6096), (19, 6201), (32, 6378), (34, 6405), (35, 6414), (36, 6426), (40, 6516), (42, 6537),

Gene: Forthebois_16 Start: 7723, Stop: 8511, Start Num: 3

Candidate Starts for Forthebois_16:

(1, 7690), (Start: 3 @7723 has 3 MA's), (4, 7747), (7, 7798), (14, 7948), (15, 7960), (16, 7963), (17, 7966), (18, 7996), (20, 8077), (21, 8080), (23, 8128), (26, 8209), (28, 8224), (30, 8236), (31, 8242),

(38, 8335), (43, 8419), (45, 8446), (46, 8449), (48, 8476),

Gene: LuzDeMundo_12 Start: 5912, Stop: 6601, Start Num: 9

Candidate Starts for LuzDeMundo_12:

(Start: 9 @5912 has 1 MA's), (13, 6038), (19, 6164), (32, 6341), (34, 6368), (35, 6377), (36, 6389), (40, 6479), (42, 6500),

Gene: MuffinTheCat_12 Start: 5941, Stop: 6639, Start Num: 8

Candidate Starts for MuffinTheCat_12:

(Start: 8 @5941 has 5 MA's), (Start: 9 @5950 has 1 MA's), (13, 6076), (16, 6097), (19, 6202), (32, 6379), (34, 6406), (35, 6415), (36, 6427), (37, 6433), (40, 6517), (42, 6538),

Gene: RickRoss_17 Start: 7806, Stop: 8594, Start Num: 3

Candidate Starts for RickRoss_17:

(Start: 3 @7806 has 3 MA's), (4, 7830), (13, 8025), (14, 8031), (15, 8043), (16, 8046), (17, 8049), (18, 8079), (21, 8163), (23, 8211), (26, 8292), (28, 8307), (30, 8319), (31, 8325), (34, 8358), (38, 8418), (43, 8502), (48, 8559),

Gene: SCoupsA_12 Start: 5917, Stop: 6615, Start Num: 8

Candidate Starts for SCoupsA_12:

(Start: 8 @5917 has 5 MA's), (Start: 9 @5926 has 1 MA's), (13, 6052), (16, 6073), (19, 6178), (32, 6355), (34, 6382), (35, 6391), (36, 6403), (37, 6409), (40, 6493), (42, 6514),

Gene: Toil_12 Start: 5783, Stop: 6499, Start Num: 7

Candidate Starts for Toil_12:

(2, 5708), (5, 5747), (6, 5759), (7, 5783), (10, 5813), (11, 5840), (12, 5912), (14, 5933), (22, 6098), (23, 6113), (24, 6128), (25, 6176), (27, 6203), (29, 6215), (30, 6221), (33, 6245), (41, 6380), (44, 6407), (47, 6440), (48, 6461), (49, 6464),

Gene: WheeHeim_16 Start: 7744, Stop: 8529, Start Num: 3

Candidate Starts for WheeHeim_16:

(Start: 3 @7744 has 3 MA's), (4, 7768), (13, 7960), (14, 7966), (15, 7978), (16, 7981), (17, 7984), (18, 8014), (21, 8098), (23, 8146), (26, 8227), (28, 8242), (30, 8254), (31, 8260), (38, 8353), (43, 8437), (45, 8464), (46, 8467), (48, 8494),