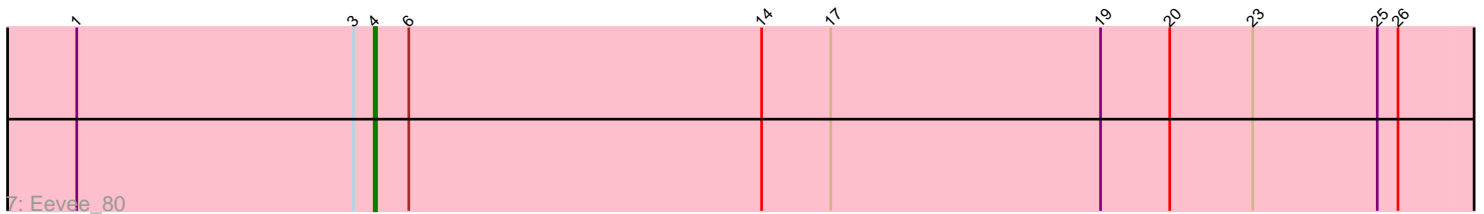
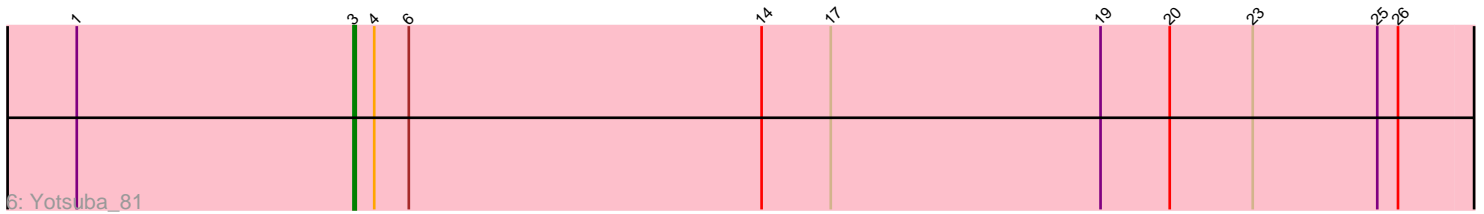
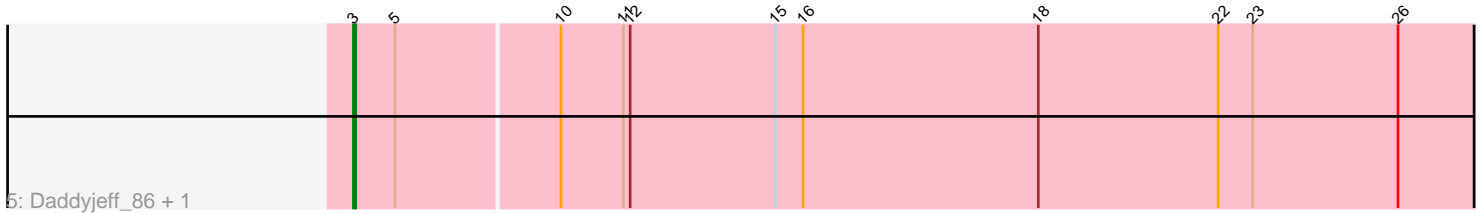
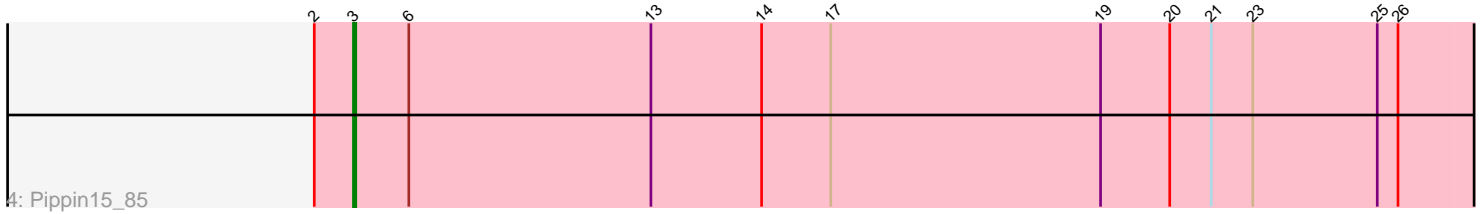
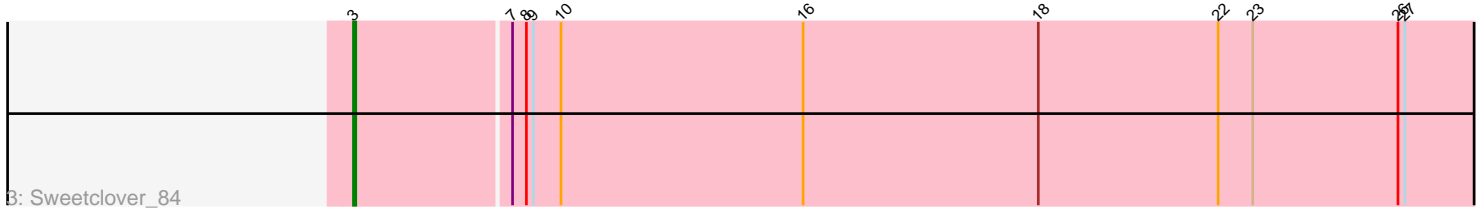
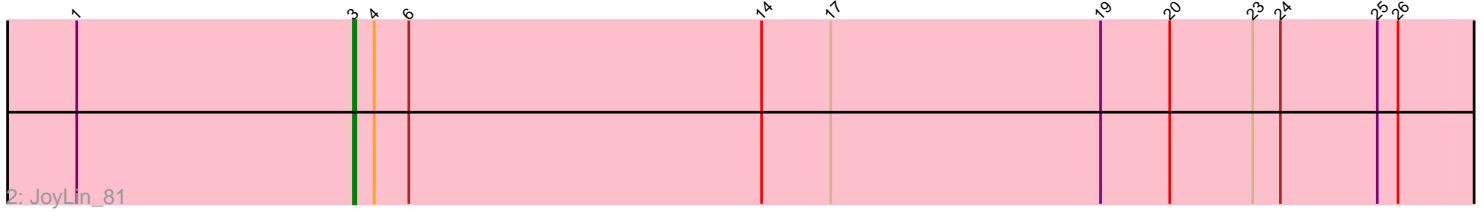
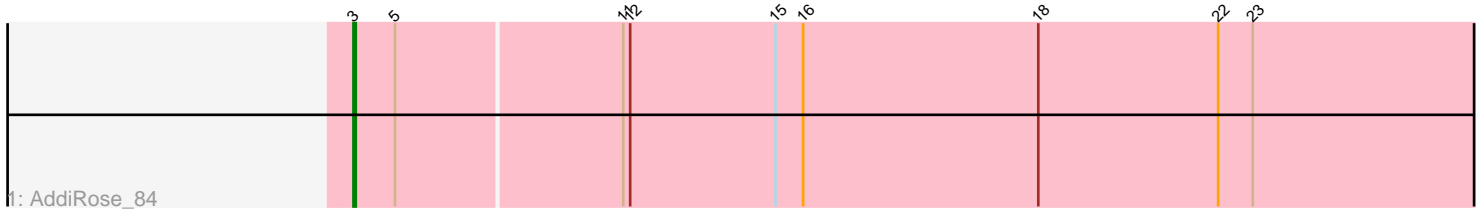


Pham 303929



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 303929 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303929 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : AddiRose\_84
- Track 2 : JoyLin\_81
- Track 3 : Sweetclover\_84
- Track 4 : Pippin15\_85
- Track 5 : Daddyjeff\_86, Serenabean\_86
- Track 6 : Yotsuba\_81
- Track 7 : Eevee\_80

### ***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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AddiRose\_84, Daddyjeff\_86, JoyLin\_81, Pippin15\_85, Serenabean\_86, Sweetclover\_84, Yotsuba\_81,

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

- Eevee\_80,

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

- 

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

Start 3:

- Found in 8 of 8 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 87.5% of time when present
- Phage (with cluster) where this start called: AddiRose\_84 (JA), Daddyjeff\_86 (JA), JoyLin\_81 (JA), Pippin15\_85 (JA), Serenabean\_86 (JA), Sweetclover\_84 (JA), Yotsuba\_81 (JA),

Start 4:

- Found in 3 of 8 ( 37.5% ) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Eevee\_80 (JA),

### **Summary by clusters:**

There is one cluster represented in this pham: JA

Info for manual annotations of cluster JA:

- Start number 3 was manually annotated 7 times for cluster JA.
- Start number 4 was manually annotated 1 time for cluster JA.

### **Gene Information:**

Gene: AddiRose\_84 Start: 50059, Stop: 50565, Start Num: 3

Candidate Starts for AddiRose\_84:

(Start: 3 @50059 has 7 MA's), (5, 50077), (11, 50173), (12, 50176), (15, 50239), (16, 50251), (18, 50353), (22, 50431), (23, 50446),

Gene: Daddyjeff\_86 Start: 50407, Stop: 50913, Start Num: 3

Candidate Starts for Daddyjeff\_86:

(Start: 3 @50407 has 7 MA's), (5, 50425), (10, 50494), (11, 50521), (12, 50524), (15, 50587), (16, 50599), (18, 50701), (22, 50779), (23, 50794), (26, 50857),

Gene: Eevee\_80 Start: 51716, Stop: 52216, Start Num: 4

Candidate Starts for Eevee\_80:

(1, 51587), (Start: 3 @51707 has 7 MA's), (Start: 4 @51716 has 1 MA's), (6, 51731), (14, 51884), (17, 51914), (19, 52031), (20, 52061), (23, 52097), (25, 52151), (26, 52160),

Gene: JoyLin\_81 Start: 52459, Stop: 52968, Start Num: 3

Candidate Starts for JoyLin\_81:

(1, 52339), (Start: 3 @52459 has 7 MA's), (Start: 4 @52468 has 1 MA's), (6, 52483), (14, 52636), (17, 52666), (19, 52783), (20, 52813), (23, 52849), (24, 52861), (25, 52903), (26, 52912),

Gene: Pippin15\_85 Start: 49798, Stop: 50307, Start Num: 3

Candidate Starts for Pippin15\_85:

(2, 49786), (Start: 3 @49798 has 7 MA's), (6, 49822), (13, 49927), (14, 49975), (17, 50005), (19, 50122), (20, 50152), (21, 50170), (23, 50188), (25, 50242), (26, 50251),

Gene: Serenabean\_86 Start: 50568, Stop: 51074, Start Num: 3

Candidate Starts for Serenabean\_86:

(Start: 3 @50568 has 7 MA's), (5, 50586), (10, 50655), (11, 50682), (12, 50685), (15, 50748), (16, 50760), (18, 50862), (22, 50940), (23, 50955), (26, 51018),

Gene: Sweetclover\_84 Start: 49276, Stop: 49782, Start Num: 3

Candidate Starts for Sweetclover\_84:

(Start: 3 @49276 has 7 MA's), (7, 49342), (8, 49348), (9, 49351), (10, 49363), (16, 49468), (18, 49570), (22, 49648), (23, 49663), (26, 49726), (27, 49729),

Gene: Yotsuba\_81 Start: 52477, Stop: 52986, Start Num: 3

Candidate Starts for Yotsuba\_81:

(1, 52357), (Start: 3 @52477 has 7 MA's), (Start: 4 @52486 has 1 MA's), (6, 52501), (14, 52654), (17, 52684), (19, 52801), (20, 52831), (23, 52867), (25, 52921), (26, 52930),