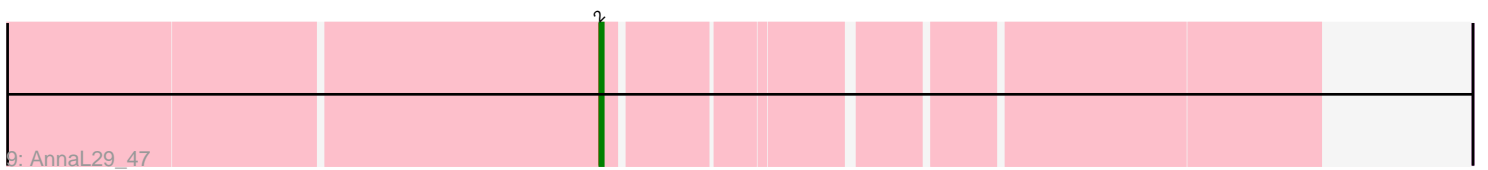
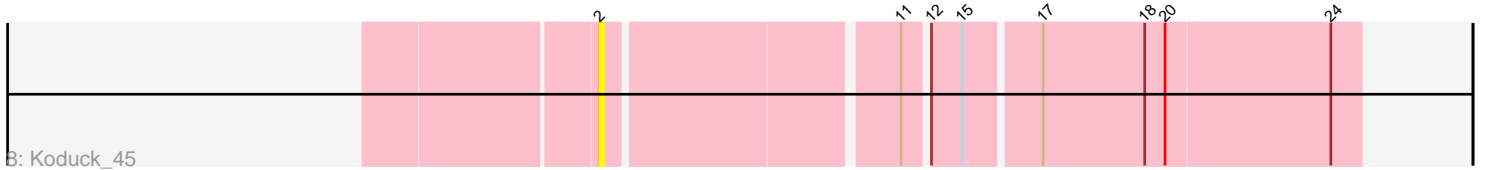
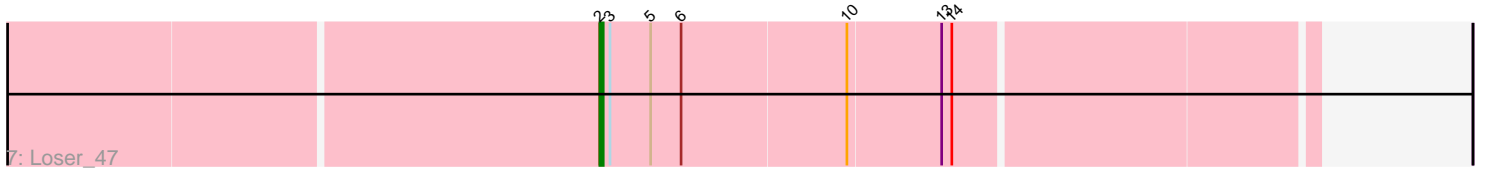
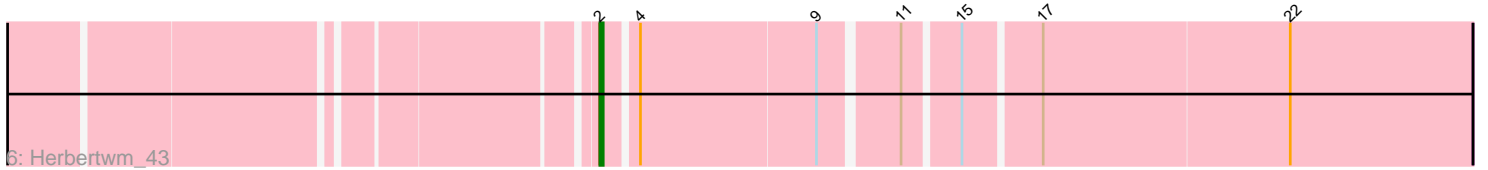
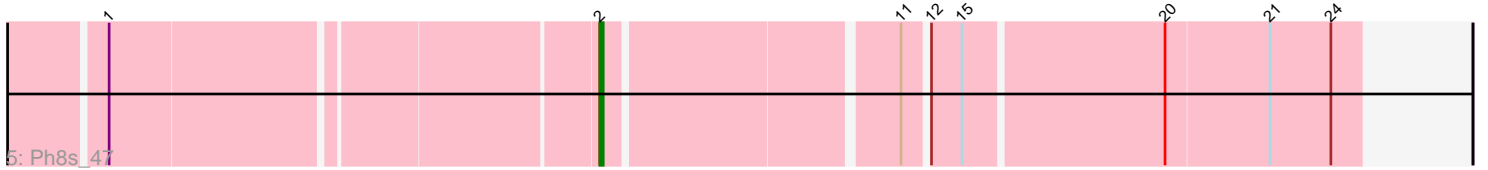
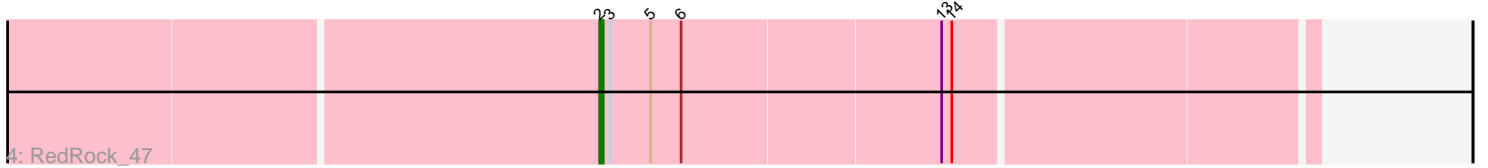
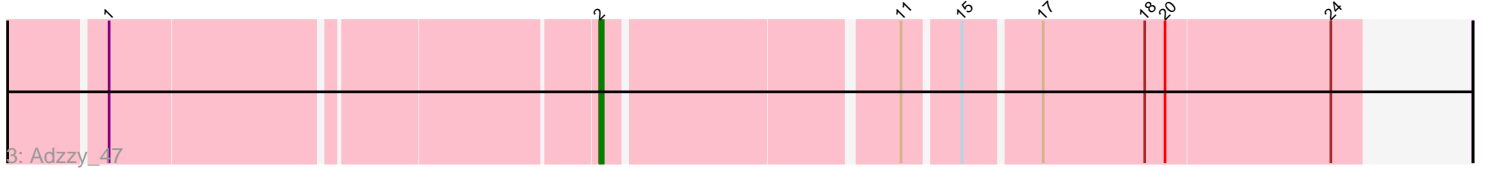
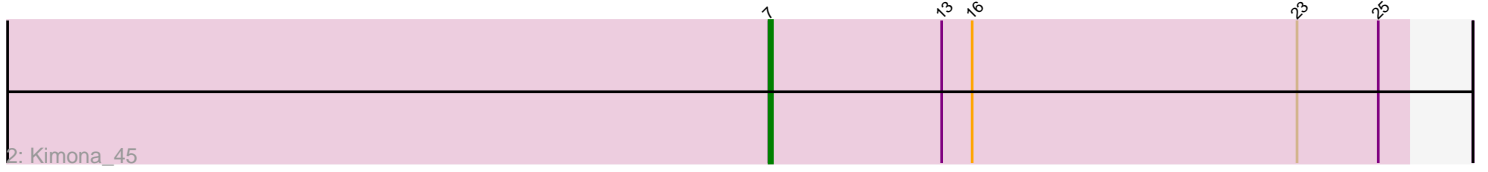
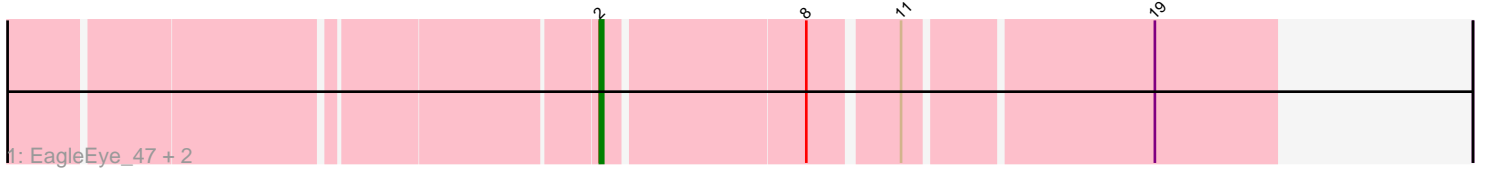


Pham 216755



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 216755 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216755 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : EagleEye\_47, Lucyedi\_46, PainterBoy\_46
- Track 2 : Kimona\_45
- Track 3 : Adzzy\_47
- Track 4 : RedRock\_47
- Track 5 : Ph8s\_47
- Track 6 : Herbertwm\_43
- Track 7 : Loser\_47
- Track 8 : Koduck\_45
- Track 9 : AnnaL29\_47

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

The start number called the most often in the published annotations is 2, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adzzy\_47, AnnaL29\_47, EagleEye\_47, Herbertwm\_43, Koduck\_45, Loser\_47, Lucyedi\_46, PainterBoy\_46, Ph8s\_47, RedRock\_47,

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

- 

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

- Kimona\_45,

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

Start 2:

- Found in 10 of 11 ( 90.9% ) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adzzy\_47 (A2), AnnaL29\_47 (A2), EagleEye\_47 (A16), Herbertwm\_43 (A2), Koduck\_45 (A2), Loser\_47 (A2), Lucyedi\_46 (A16), PainterBoy\_46 (A16), Ph8s\_47 (A2), RedRock\_47 (A2),

Start 7:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kimona\_45 (A19),

### **Summary by clusters:**

There are 3 clusters represented in this pham: A16, A19, A2,

Info for manual annotations of cluster A16:

- Start number 2 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A19:

- Start number 7 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 2 was manually annotated 6 times for cluster A2.

### **Gene Information:**

Gene: Adzzy\_47 Start: 30308, Stop: 30099, Start Num: 2

Candidate Starts for Adzzy\_47:

(1, 30443), (Start: 2 @30308 has 9 MA's), (11, 30227), (15, 30212), (17, 30191), (18, 30161), (20, 30155), (24, 30107),

Gene: AnnaL29\_47 Start: 32518, Stop: 32324, Start Num: 2

Candidate Starts for AnnaL29\_47:

(Start: 2 @32518 has 9 MA's),

Gene: EagleEye\_47 Start: 30973, Stop: 30788, Start Num: 2

Candidate Starts for EagleEye\_47:

(Start: 2 @30973 has 9 MA's), (8, 30916), (11, 30892), (19, 30823),

Gene: Herbertwm\_43 Start: 30942, Stop: 30700, Start Num: 2

Candidate Starts for Herbertwm\_43:

(Start: 2 @30942 has 9 MA's), (4, 30933), (9, 30882), (11, 30861), (15, 30846), (17, 30825), (22, 30753),

Gene: Kimona\_45 Start: 30049, Stop: 29861, Start Num: 7

Candidate Starts for Kimona\_45:

(Start: 7 @30049 has 1 MA's), (13, 29998), (16, 29989), (23, 29893), (25, 29869),

Gene: Koduck\_45 Start: 30554, Stop: 30345, Start Num: 2

Candidate Starts for Koduck\_45:

(Start: 2 @30554 has 9 MA's), (11, 30473), (12, 30467), (15, 30458), (17, 30437), (18, 30407), (20, 30401), (24, 30353),

Gene: Loser\_47 Start: 32467, Stop: 32264, Start Num: 2

Candidate Starts for Loser\_47:

(Start: 2 @32467 has 9 MA's), (3, 32464), (5, 32452), (6, 32443), (10, 32395), (13, 32368), (14, 32365),

Gene: Lucyedi\_46 Start: 31168, Stop: 30983, Start Num: 2

Candidate Starts for Lucyedi\_46:

(Start: 2 @31168 has 9 MA's), (8, 31111), (11, 31087), (19, 31018),

Gene: PainterBoy\_46 Start: 31104, Stop: 30919, Start Num: 2

Candidate Starts for PainterBoy\_46:

(Start: 2 @31104 has 9 MA's), (8, 31047), (11, 31023), (19, 30954),

Gene: Ph8s\_47 Start: 30743, Stop: 30534, Start Num: 2

Candidate Starts for Ph8s\_47:

(1, 30878), (Start: 2 @30743 has 9 MA's), (11, 30662), (12, 30656), (15, 30647), (20, 30590), (21, 30560), (24, 30542),

Gene: RedRock\_47 Start: 32680, Stop: 32477, Start Num: 2

Candidate Starts for RedRock\_47:

(Start: 2 @32680 has 9 MA's), (3, 32677), (5, 32665), (6, 32656), (13, 32581), (14, 32578),