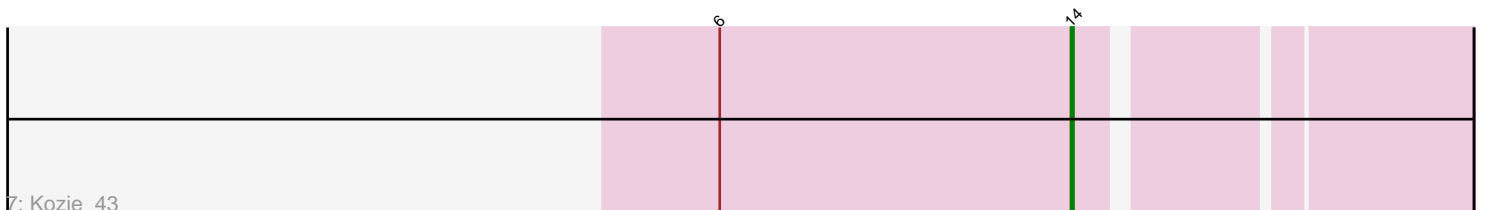
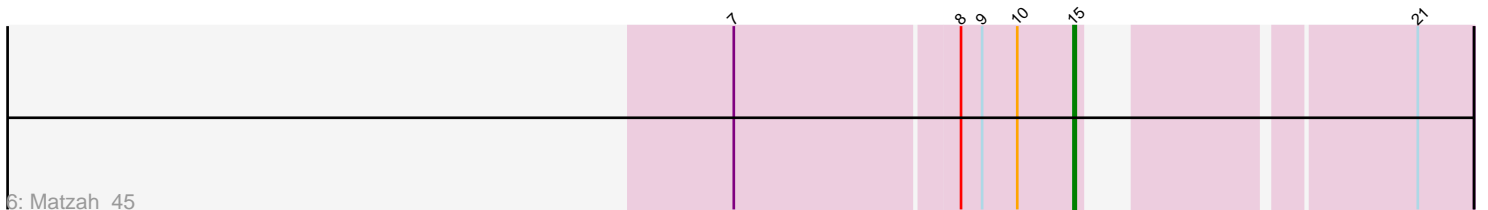
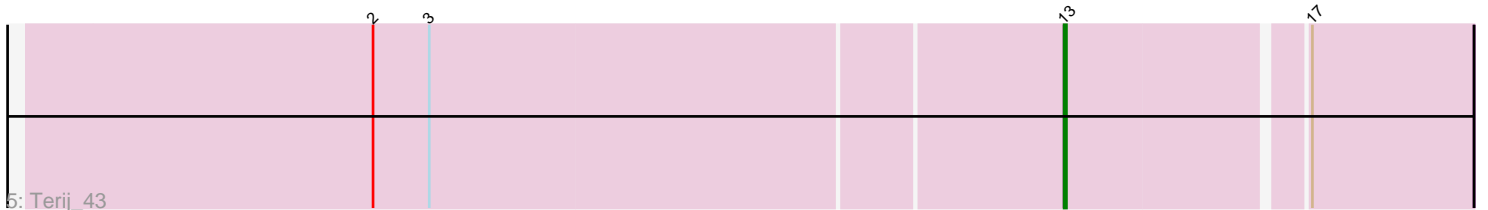
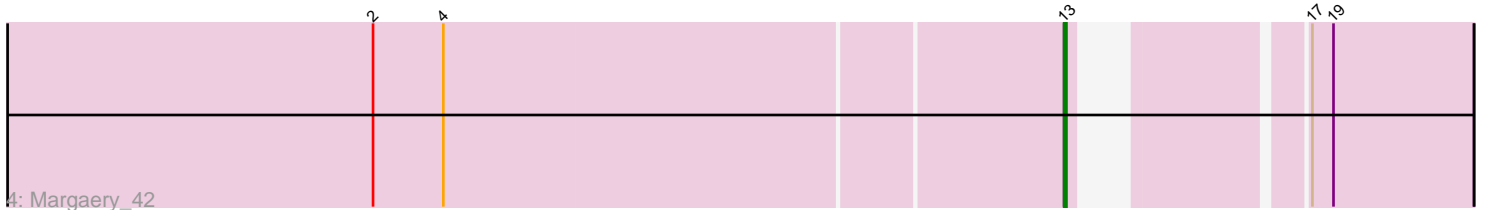
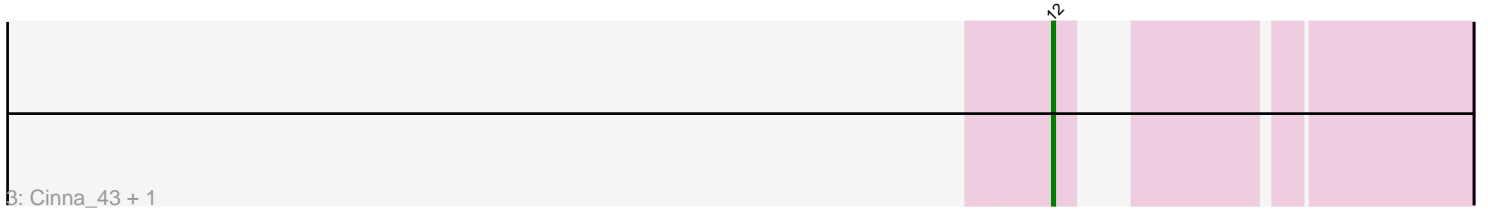
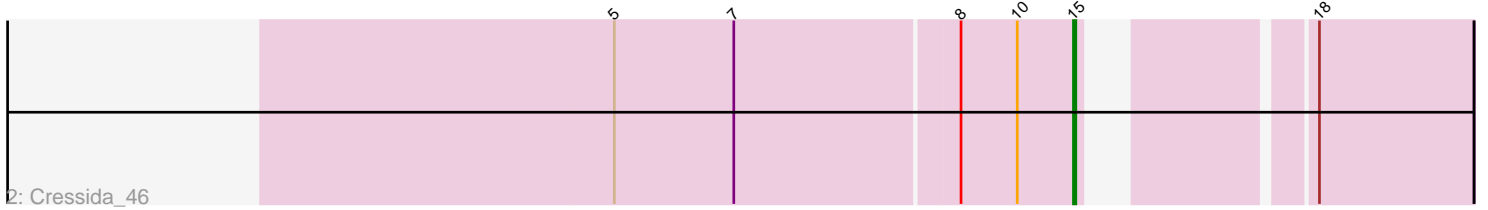
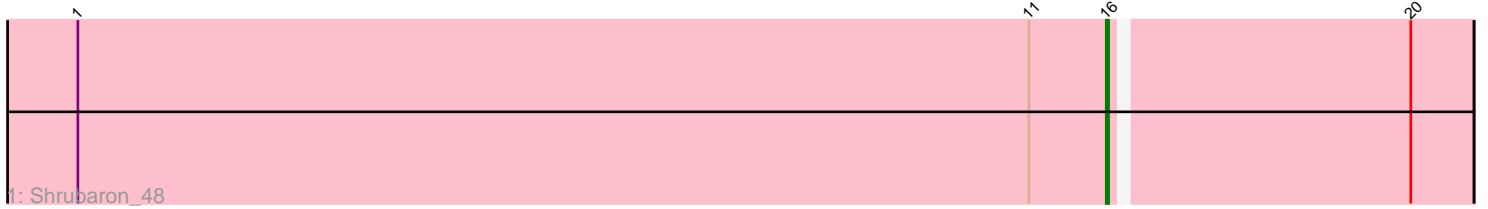


Pham 295401



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 295401 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295401 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Shrubaron_48
- Track 2 : Cressida_46
- Track 3 : Cinna_43, MementoMori_44
- Track 4 : Margaery_42
- Track 5 : Terij_43
- Track 6 : Matzah_45
- Track 7 : Kozie_43

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

The start number called the most often in the published annotations is 13, it was called in 2 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Margaery_42, Terij_43,

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

-

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

- Cinna_43, Cressida_46, Kozie_43, Matzah_45, MementoMori_44, Shrubaron_48,

Summary by start number:

Start 12:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cinna_43 (EI), MementoMori_44 (EI),

Start 13:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Margaery_42 (EI), Terij_43 (EI),

Start 14:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kozie_43 (EI),

Start 15:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cressida_46 (EI), Matzah_45 (EI),

Start 16:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shrubaron_48 (EC),

Summary by clusters:

There are 2 clusters represented in this pham: EI, EC,

Info for manual annotations of cluster EC:

- Start number 16 was manually annotated 1 time for cluster EC.

Info for manual annotations of cluster EI:

- Start number 12 was manually annotated 2 times for cluster EI.
- Start number 13 was manually annotated 2 times for cluster EI.
- Start number 14 was manually annotated 1 time for cluster EI.
- Start number 15 was manually annotated 2 times for cluster EI.

Gene Information:

Gene: Cinna_43 Start: 32599, Stop: 32745, Start Num: 12

Candidate Starts for Cinna_43:

(Start: 12 @32599 has 2 MA's),

Gene: Cressida_46 Start: 32230, Stop: 32370, Start Num: 15

Candidate Starts for Cressida_46:

(5, 32038), (7, 32089), (8, 32182), (10, 32206), (Start: 15 @32230 has 2 MA's), (18, 32305),

Gene: Kozie_43 Start: 32123, Stop: 32275, Start Num: 14

Candidate Starts for Kozie_43:

(6, 31973), (Start: 14 @32123 has 1 MA's),

Gene: Margaery_42 Start: 31857, Stop: 31997, Start Num: 13

Candidate Starts for Margaery_42:

(2, 31569), (4, 31599), (Start: 13 @31857 has 2 MA's), (17, 31929), (19, 31938),

Gene: Matzah_45 Start: 32700, Stop: 32840, Start Num: 15

Candidate Starts for Matzah_45:

(7, 32559), (8, 32652), (9, 32661), (10, 32676), (Start: 15 @32700 has 2 MA's), (21, 32817),

Gene: MementoMori_44 Start: 32287, Stop: 32433, Start Num: 12

Candidate Starts for MementoMori_44:

(Start: 12 @32287 has 2 MA's),

Gene: Shrubaron_48 Start: 32950, Stop: 33099, Start Num: 16

Candidate Starts for Shrubaron_48:

(1, 32512), (11, 32917), (Start: 16 @32950 has 1 MA's), (20, 33073),

Gene: Terij_43 Start: 31296, Stop: 31460, Start Num: 13

Candidate Starts for Terij_43:

(2, 31008), (3, 31032), (Start: 13 @31296 has 2 MA's), (17, 31392),