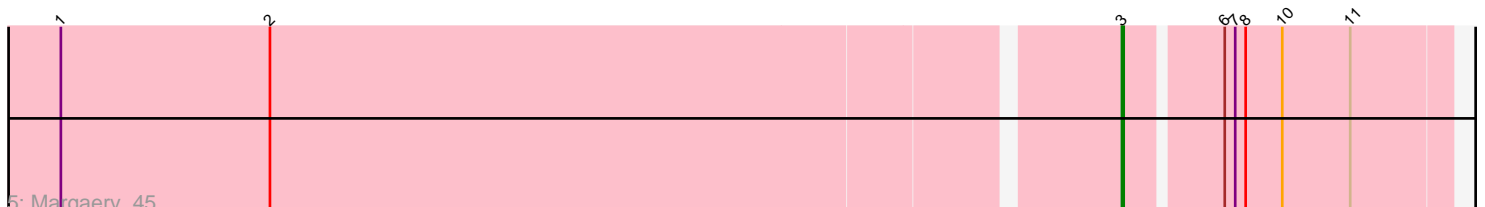
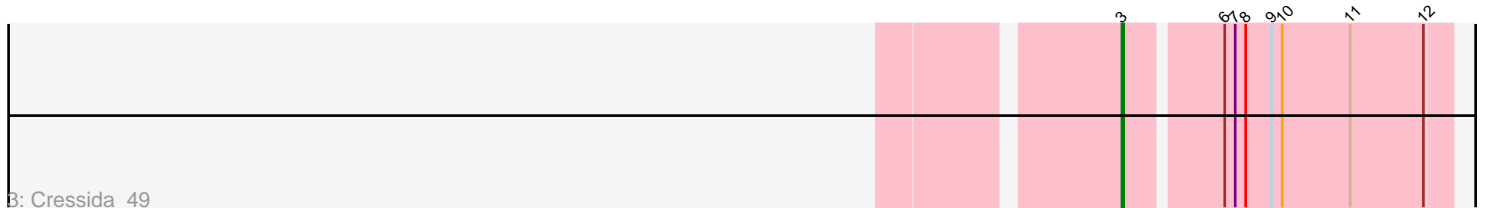
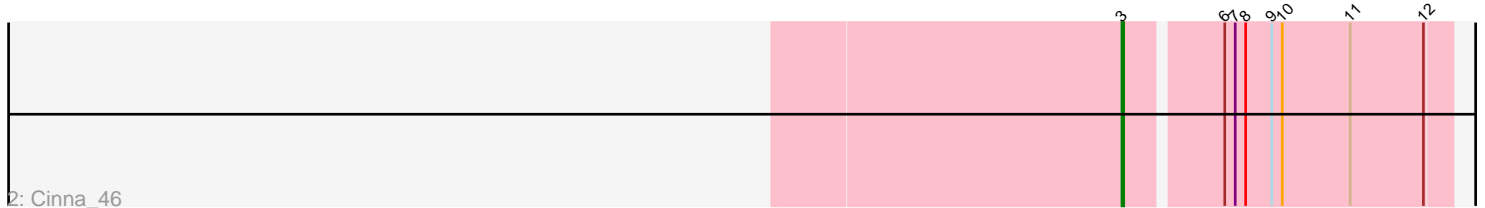
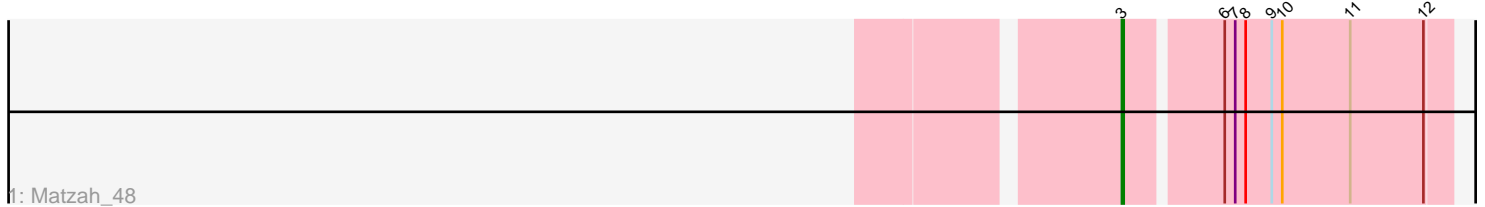


Pham 297354



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 297354 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297354 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Matzah_48
- Track 2 : Cinna_46
- Track 3 : Cressida_49
- Track 4 : MementoMori_47
- Track 5 : Margaery_45
- Track 6 : Terij_46
- Track 7 : Mufasa8_63

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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cinna_46, Cressida_49, Margaery_45, Matzah_48, MementoMori_47, Terij_46,

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

-

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

- Mufasa8_63,

Summary by start number:

Start 3:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cinna_46 (EI), Cressida_49 (EI), Margaery_45 (EI), Matzah_48 (EI), MementoMori_47 (EI), Terij_46 (EI),

Start 4:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 7

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mufasa8_63 (FG),

Summary by clusters:

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

Info for manual annotations of cluster EI:

- Start number 3 was manually annotated 6 times for cluster EI.

Info for manual annotations of cluster FG:

- Start number 4 was manually annotated 1 time for cluster FG.

Gene Information:

Gene: Cinna_46 Start: 34827, Stop: 35006, Start Num: 3

Candidate Starts for Cinna_46:

(Start: 3 @34827 has 6 MA's), (6, 34878), (7, 34884), (8, 34890), (9, 34905), (10, 34911), (11, 34950), (12, 34992),

Gene: Cressida_49 Start: 34451, Stop: 34630, Start Num: 3

Candidate Starts for Cressida_49:

(Start: 3 @34451 has 6 MA's), (6, 34502), (7, 34508), (8, 34514), (9, 34529), (10, 34535), (11, 34574), (12, 34616),

Gene: Margaery_45 Start: 34059, Stop: 34238, Start Num: 3

Candidate Starts for Margaery_45:

(1, 33468), (2, 33588), (Start: 3 @34059 has 6 MA's), (6, 34110), (7, 34116), (8, 34122), (10, 34143), (11, 34182),

Gene: Matzah_48 Start: 34908, Stop: 35087, Start Num: 3

Candidate Starts for Matzah_48:

(Start: 3 @34908 has 6 MA's), (6, 34959), (7, 34965), (8, 34971), (9, 34986), (10, 34992), (11, 35031), (12, 35073),

Gene: MementoMori_47 Start: 34515, Stop: 34694, Start Num: 3

Candidate Starts for MementoMori_47:

(Start: 3 @34515 has 6 MA's), (6, 34566), (7, 34572), (8, 34578), (9, 34593), (10, 34599), (11, 34638), (12, 34680),

Gene: Mufasa8_63 Start: 42500, Stop: 42694, Start Num: 4

Candidate Starts for Mufasa8_63:

(Start: 4 @42500 has 1 MA's), (11, 42617),

Gene: Terij_46 Start: 33538, Stop: 33717, Start Num: 3

Candidate Starts for Terij_46:

(1, 32953), (2, 33073), (Start: 3 @33538 has 6 MA's), (5, 33565), (6, 33589), (7, 33595), (8, 33601), (9, 33616), (10, 33622), (11, 33661),