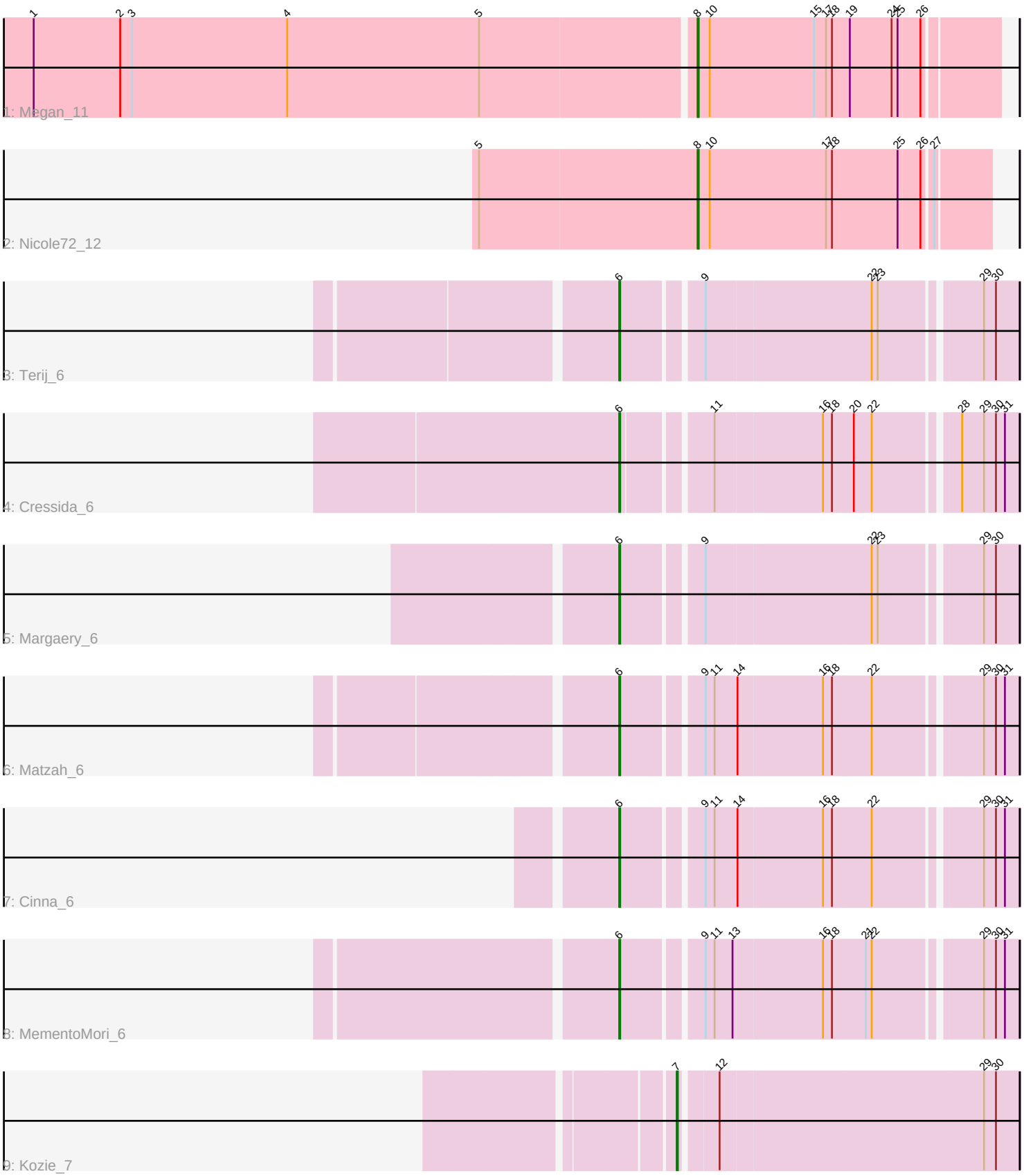
Pham 348280


1: Megan_11
2: Nicole72_12
3: Terij_6
4: Cressida_6
5: Margaery_6
6: Matzah_6
7: Cinna_6
8: MementoMori_6
9: Kozie_7

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 348280 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348280 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Megan_11
• Track 2 : Nicole72_12
• Track 3 : Terij_6
• Track 4 : Cressida_6
• Track 5 : Margaery_6
• Track 6 : Matzah_6
• Track 7 : Cinna_6
• Track 8 : MementoMori_6
• Track 9 : Kozie_7

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

The start number called the most often in the published annotations is 6, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cinna_6, Cressida_6, Margaery_6, Matzah_6, MementoMori_6, Terij_6,

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

Genes that do not have the "Most Annotated" start:
• Kozie_7, Megan_11, Nicole72_12,

Summary by start number:

Start 6:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cinna_6 (EI), Cressida_6 (EI), Margaery_6 (EI), Matzah_6 (EI), MementoMori_6 (EI), Terij_6 (EI),

Start 7:

• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kozie_7 (EI),

Start 8:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Megan_11 (EC), Nicole72_12 (EC),

Summary by clusters:

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

Info for manual annotations of cluster EC:
•Start number 8 was manually annotated 2 times for cluster EC.

Info for manual annotations of cluster EI:
•Start number 6 was manually annotated 6 times for cluster EI.
•Start number 7 was manually annotated 1 time for cluster EI.

Gene Information:

Gene: Cinna_6 Start: 4120, Stop: 4485, Start Num: 6
Candidate Starts for Cinna_6:
(Start: 6 @4120 has 6 MA's), (9, 4192), (11, 4201), (14, 4222), (16, 4306), (18, 4315), (22, 4354), (29, 4450), (30, 4462), (31, 4471),

Gene: Cressida_6 Start: 4233, Stop: 4595, Start Num: 6
Candidate Starts for Cressida_6:
(Start: 6 @4233 has 6 MA's), (11, 4311), (16, 4416), (18, 4425), (20, 4446), (22, 4464), (28, 4539), (29, 4560), (30, 4572), (31, 4581),

Gene: Kozie_7 Start: 5132, Stop: 5458, Start Num: 7
Candidate Starts for Kozie_7:
(Start: 7 @5132 has 1 MA's), (12, 5165), (29, 5423), (30, 5435),

Gene: Margaery_6 Start: 4207, Stop: 4572, Start Num: 6
Candidate Starts for Margaery_6:
(Start: 6 @4207 has 6 MA's), (9, 4279), (22, 4441), (23, 4447), (29, 4537), (30, 4549),

Gene: Matzah_6 Start: 4120, Stop: 4485, Start Num: 6
Candidate Starts for Matzah_6:
(Start: 6 @4120 has 6 MA's), (9, 4192), (11, 4201), (14, 4222), (16, 4306), (18, 4315), (22, 4354), (29, 4450), (30, 4462), (31, 4471),

Gene: Megan_11 Start: 7935, Stop: 8228, Start Num: 8
Candidate Starts for Megan_11:
(1, 7281), (2, 7368), (3, 7380), (4, 7536), (5, 7728), (Start: 8 @7935 has 2 MA's), (10, 7947), (15, 8052), (17, 8064), (18, 8070), (19, 8088), (24, 8130), (25, 8136), (26, 8157),

Gene: MementoMori_6 Start: 4120, Stop: 4485, Start Num: 6
Candidate Starts for MementoMori_6:
(Start: 6 @4120 has 6 MA's), (9, 4192), (11, 4201), (13, 4219), (16, 4306), (18, 4315), (21, 4348), (22, 4354), (29, 4450), (30, 4462), (31, 4471),

Gene: Nicole72_12 Start: 8200, Stop: 8484, Start Num: 8
Candidate Starts for Nicole72_12:
(5, 7984), (Start: 8 @8200 has 2 MA's), (10, 8212), (17, 8329), (18, 8335), (25, 8401), (26, 8422), (27, 8431),

Gene: Terij_6 Start: 4120, Stop: 4485, Start Num: 6
Candidate Starts for Terij_6:
(Start: 6 @4120 has 6 MA's), (9, 4192), (22, 4354), (23, 4360), (29, 4450), (30, 4462),