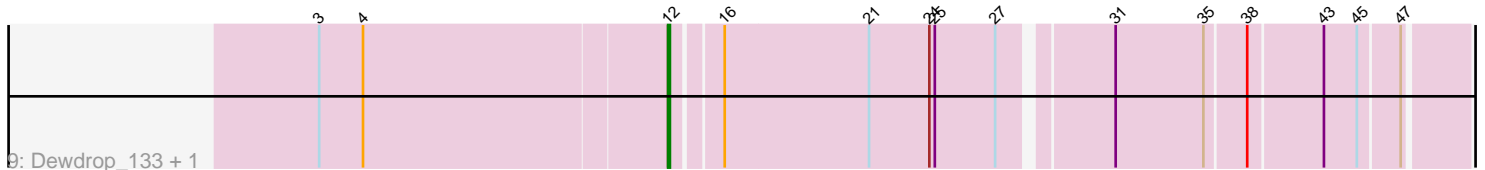
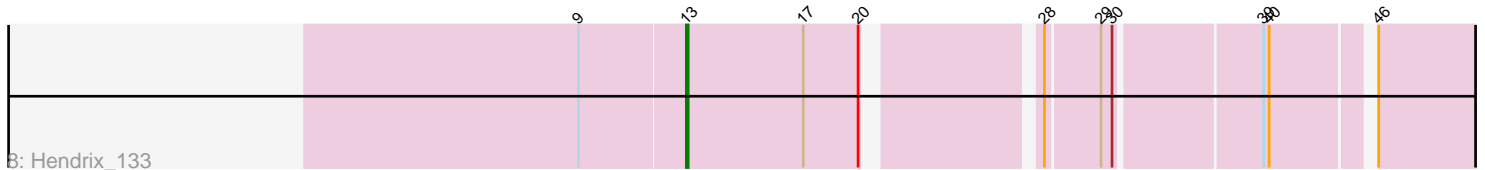
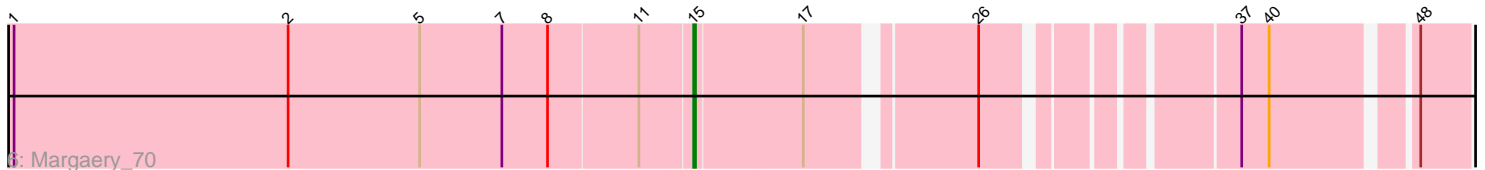
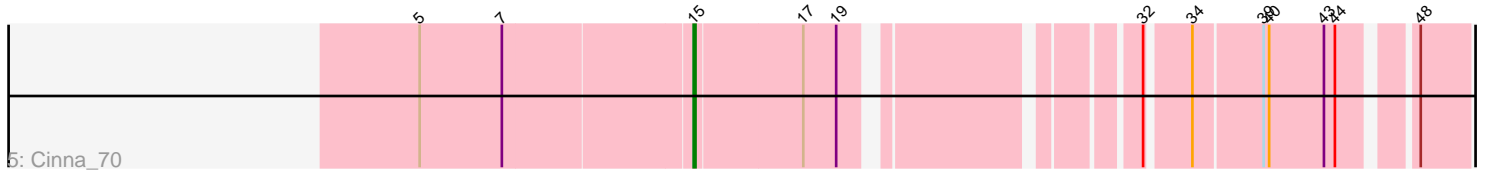
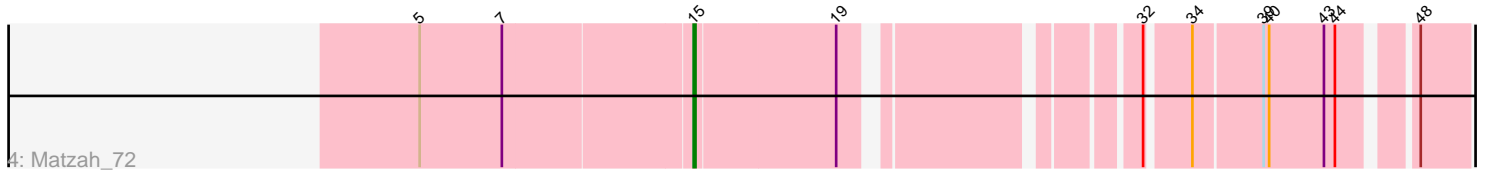
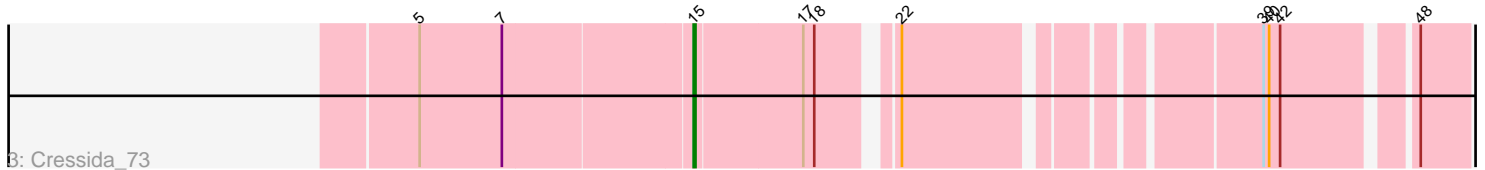
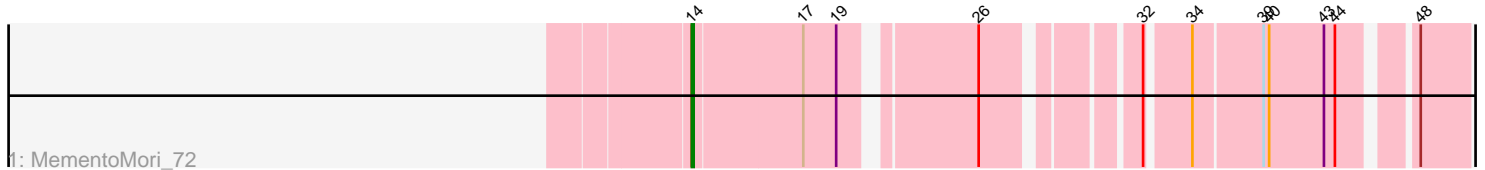


Pham 197055



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 197055 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197055 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : MementoMori_72
- Track 2 : Terij_70
- Track 3 : Cressida_73
- Track 4 : Matzah_72
- Track 5 : Cinna_70
- Track 6 : Margaery_70
- Track 7 : Rasputia_128
- Track 8 : Hendrix_133
- Track 9 : Dewdrop_133, Leaf_133

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

The start number called the most often in the published annotations is 15, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cinna_70, Cressida_73, Margaery_70, Matzah_72, Terij_70,

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

-

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

- Dewdrop_133, Hendrix_133, Leaf_133, MementoMori_72, Rasputia_128,

Summary by start number:

Start 10:

- Found in 1 of 10 (10.0%) 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: Rasputia_128 (GC),

Start 12:

- Found in 2 of 10 (20.0%) of genes in pham

- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dewdrop_133 (GC), Leaf_133 (GC),

Start 13:

- Found in 1 of 10 (10.0%) 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: Hendrix_133 (GC),

Start 14:

- Found in 1 of 10 (10.0%) 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: MementoMori_72 (EI),

Start 15:

- Found in 5 of 10 (50.0%) of genes in pham
- Manual Annotations of this start: 5 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cinna_70 (EI), Cressida_73 (EI), Margaery_70 (EI), Matzah_72 (EI), Terij_70 (EI),

Summary by clusters:

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

Info for manual annotations of cluster EI:

- Start number 14 was manually annotated 1 time for cluster EI.
- Start number 15 was manually annotated 5 times for cluster EI.

Info for manual annotations of cluster GC:

- Start number 10 was manually annotated 1 time for cluster GC.
- Start number 12 was manually annotated 2 times for cluster GC.
- Start number 13 was manually annotated 1 time for cluster GC.

Gene Information:

Gene: Cinna_70 Start: 45002, Stop: 45364, Start Num: 15

Candidate Starts for Cinna_70:

(5, 44858), (7, 44903), (Start: 15 @45002 has 5 MA's), (17, 45059), (19, 45077), (32, 45209), (34, 45230), (39, 45266), (40, 45269), (43, 45299), (44, 45305), (48, 45338),

Gene: Cressida_73 Start: 44617, Stop: 44979, Start Num: 15

Candidate Starts for Cressida_73:

(5, 44473), (7, 44518), (Start: 15 @44617 has 5 MA's), (17, 44674), (18, 44680), (22, 44713), (39, 44881), (40, 44884), (42, 44890), (48, 44953),

Gene: Dewdrop_133 Start: 80678, Stop: 81082, Start Num: 12

Candidate Starts for Dewdrop_133:

(3, 80492), (4, 80516), (Start: 12 @80678 has 2 MA's), (16, 80702), (21, 80780), (24, 80813), (25, 80816), (27, 80849), (31, 80903), (35, 80951), (38, 80972), (43, 81011), (45, 81029), (47, 81050),

Gene: Hendrix_133 Start: 84258, Stop: 84653, Start Num: 13

Candidate Starts for Hendrix_133:

(9, 84201), (Start: 13 @84258 has 1 MA's), (17, 84321), (20, 84351), (28, 84432), (29, 84459), (30, 84465), (39, 84540), (40, 84543), (46, 84591),

Gene: Leaf_133 Start: 80609, Stop: 81013, Start Num: 12

Candidate Starts for Leaf_133:

(3, 80423), (4, 80447), (Start: 12 @80609 has 2 MA's), (16, 80633), (21, 80711), (24, 80744), (25, 80747), (27, 80780), (31, 80834), (35, 80882), (38, 80903), (43, 80942), (45, 80960), (47, 80981),

Gene: Margaery_70 Start: 44501, Stop: 44863, Start Num: 15

Candidate Starts for Margaery_70:

(1, 44135), (2, 44285), (5, 44357), (7, 44402), (8, 44426), (11, 44474), (Start: 15 @44501 has 5 MA's), (17, 44558), (26, 44639), (37, 44753), (40, 44768), (48, 44837),

Gene: Matzah_72 Start: 45069, Stop: 45431, Start Num: 15

Candidate Starts for Matzah_72:

(5, 44925), (7, 44970), (Start: 15 @45069 has 5 MA's), (19, 45144), (32, 45276), (34, 45297), (39, 45333), (40, 45336), (43, 45366), (44, 45372), (48, 45405),

Gene: MementoMori_72 Start: 44957, Stop: 45319, Start Num: 14

Candidate Starts for MementoMori_72:

(Start: 14 @44957 has 1 MA's), (17, 45014), (19, 45032), (26, 45095), (32, 45164), (34, 45185), (39, 45221), (40, 45224), (43, 45254), (44, 45260), (48, 45293),

Gene: Rasputia_128 Start: 81685, Stop: 82113, Start Num: 10

Candidate Starts for Rasputia_128:

(6, 81604), (Start: 10 @81685 has 1 MA's), (19, 81781), (23, 81814), (27, 81859), (33, 81958), (36, 81982), (39, 82006), (41, 82012),

Gene: Terij_70 Start: 43556, Stop: 43918, Start Num: 15

Candidate Starts for Terij_70:

(5, 43412), (7, 43457), (8, 43481), (11, 43529), (Start: 15 @43556 has 5 MA's), (26, 43694), (40, 43823), (48, 43892),