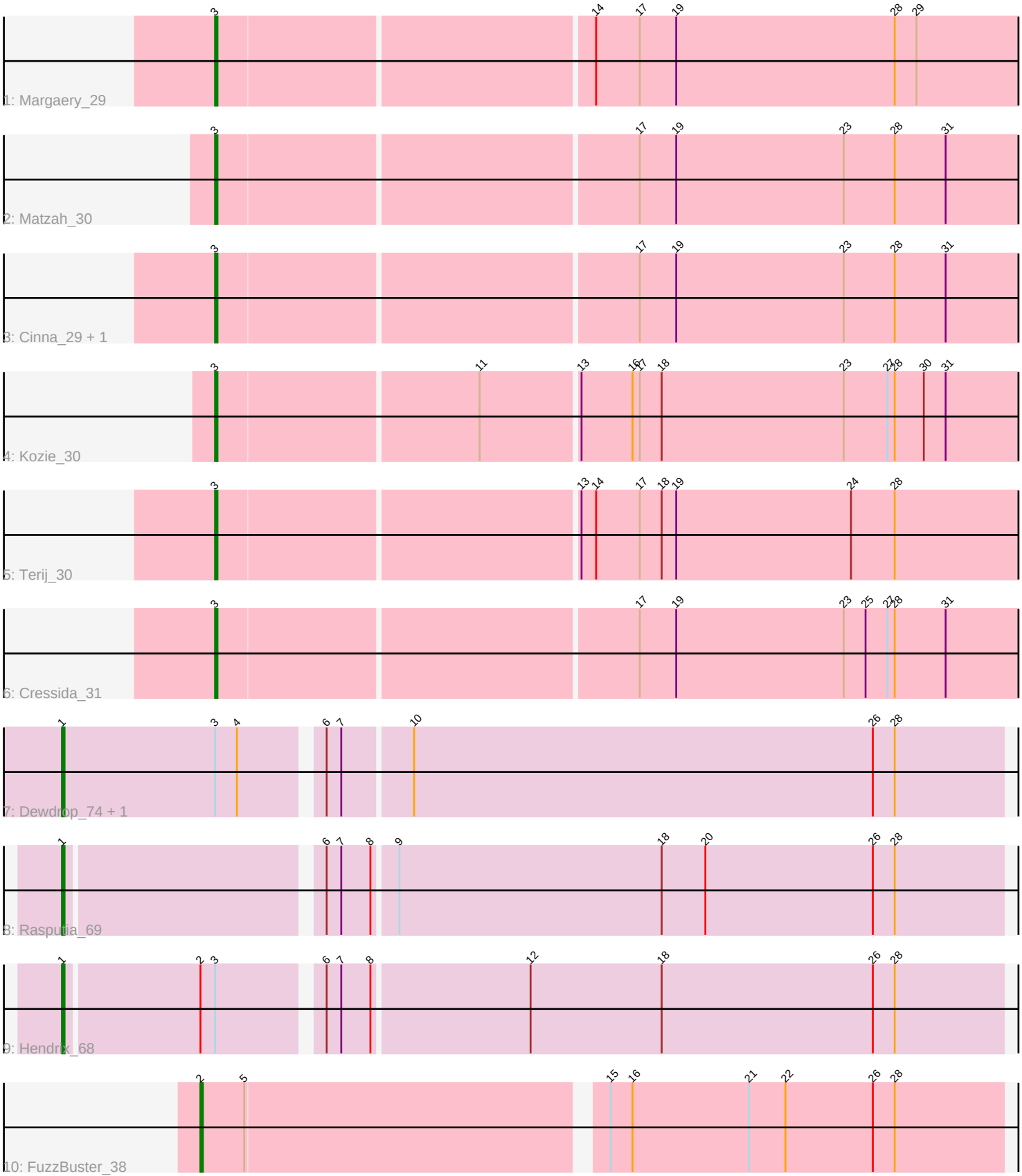
Pham 216720


1: Margaery_29
2: Matzah_30
3: Cinna_29 + 1
4: Kozie_30
5: Terij_30
6: Cressida_31
7: Dewdrop_74 + 1
8: Rasputia_69
9: Hendrik_68
10: FuzzBuster_38

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 216720 Report

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

Pham number 216720 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Margaery_29
• Track 2 : Matzah_30
• Track 3 : Cinna_29, MementoMori_30
• Track 4 : Kozie_30
• Track 5 : Terij_30
• Track 6 : Cressida_31
• Track 7 : Dewdrop_74, Leaf_74
• Track 8 : Rasputia_69
• Track 9 : Hendrix_68
• Track 10 : FuzzBuster_38

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 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cinna_29, Cressida_31, Kozie_30, Margaery_29, Matzah_30, MementoMori_30, Terij_30,

Genes that have the "Most Annotated" start but do not call it:
• Dewdrop_74, Hendrix_68, Leaf_74,

Genes that do not have the "Most Annotated" start:
• FuzzBuster_38, Rasputia_69,

Summary by start number:

Start 1:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dewdrop_74 (GC), Hendrix_68 (GC), Leaf_74 (GC), Rasputia_69 (GC),

Start 2:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 50.0% of time when present
• Phage (with cluster) where this start called: FuzzBuster_38 (singleton),

Start 3:
• Found in 10 of 12 (83.3%) of genes in pham
• Manual Annotations of this start: 7 of 12
• Called 70.0% of time when present
• Phage (with cluster) where this start called: Cinna_29 (EI), Cressida_31 (EI), Kozie_30 (EI), Margaery_29 (EI), Matzah_30 (EI), MementoMori_30 (EI), Terij_30 (EI),

Summary by clusters:

There are 3 clusters represented in this pham: EI, singleton, GC,

Info for manual annotations of cluster EI:
•Start number 3 was manually annotated 7 times for cluster EI.

Info for manual annotations of cluster GC:
•Start number 1 was manually annotated 4 times for cluster GC.

Gene Information:

Gene: Cinna_29 Start: 19234, Stop: 19563, Start Num: 3
Candidate Starts for Cinna_29:
(Start: 3 @19234 has 7 MA's), (17, 19402), (19, 19417), (23, 19486), (28, 19507), (31, 19528),

Gene: Cressida_31 Start: 19293, Stop: 19622, Start Num: 3
Candidate Starts for Cressida_31:
(Start: 3 @19293 has 7 MA's), (17, 19461), (19, 19476), (23, 19545), (25, 19554), (27, 19563), (28, 19566), (31, 19587),

Gene: Dewdrop_74 Start: 40299, Stop: 40676, Start Num: 1
Candidate Starts for Dewdrop_74:
(Start: 1 @40299 has 4 MA's), (Start: 3 @40362 has 7 MA's), (4, 40371), (6, 40401), (7, 40407), (10, 40434), (26, 40623), (28, 40632),

Gene: FuzzBuster_38 Start: 19953, Stop: 20273, Start Num: 2
Candidate Starts for FuzzBuster_38:
(Start: 2 @19953 has 1 MA's), (5, 19971), (15, 20112), (16, 20121), (21, 20169), (22, 20184), (26, 20220), (28, 20229),

Gene: Hendrix_68 Start: 39565, Stop: 39939, Start Num: 1
Candidate Starts for Hendrix_68:
(Start: 1 @39565 has 4 MA's), (Start: 2 @39619 has 1 MA's), (Start: 3 @39625 has 7 MA's), (6, 39664), (7, 39670), (8, 39682), (12, 39745), (18, 39799), (26, 39886), (28, 39895),

Gene: Kozie_30 Start: 19523, Stop: 19852, Start Num: 3
Candidate Starts for Kozie_30:
(Start: 3 @19523 has 7 MA's), (11, 19628), (13, 19667), (16, 19688), (17, 19691), (18, 19700), (23, 19775), (27, 19793), (28, 19796), (30, 19808), (31, 19817),

Gene: Leaf_74 Start: 40299, Stop: 40676, Start Num: 1
Candidate Starts for Leaf_74:
(Start: 1 @40299 has 4 MA's), (Start: 3 @40362 has 7 MA's), (4, 40371), (6, 40401), (7, 40407), (10, 40434), (26, 40623), (28, 40632),

Gene: Margaery_29 Start: 19175, Stop: 19504, Start Num: 3
Candidate Starts for Margaery_29:
(Start: 3 @19175 has 7 MA's), (14, 19325), (17, 19343), (19, 19358), (28, 19448), (29, 19457),

Gene: Matzah_30 Start: 19210, Stop: 19539, Start Num: 3
Candidate Starts for Matzah_30:
(Start: 3 @19210 has 7 MA's), (17, 19378), (19, 19393), (23, 19462), (28, 19483), (31, 19504),

Gene: MementoMori_30 Start: 18940, Stop: 19269, Start Num: 3
Candidate Starts for MementoMori_30:
(Start: 3 @18940 has 7 MA's), (17, 19108), (19, 19123), (23, 19192), (28, 19213), (31, 19234),

Gene: Rasputia_69 Start: 39531, Stop: 39905, Start Num: 1
Candidate Starts for Rasputia_69:
(Start: 1 @39531 has 4 MA's), (6, 39630), (7, 39636), (8, 39648), (9, 39657), (18, 39765), (20, 39783), (26, 39852), (28, 39861),

Gene: Terij_30 Start: 19256, Stop: 19585, Start Num: 3
Candidate Starts for Terij_30:
(Start: 3 @19256 has 7 MA's), (13, 19400), (14, 19406), (17, 19424), (18, 19433), (19, 19439), (24, 19511), (28, 19529),