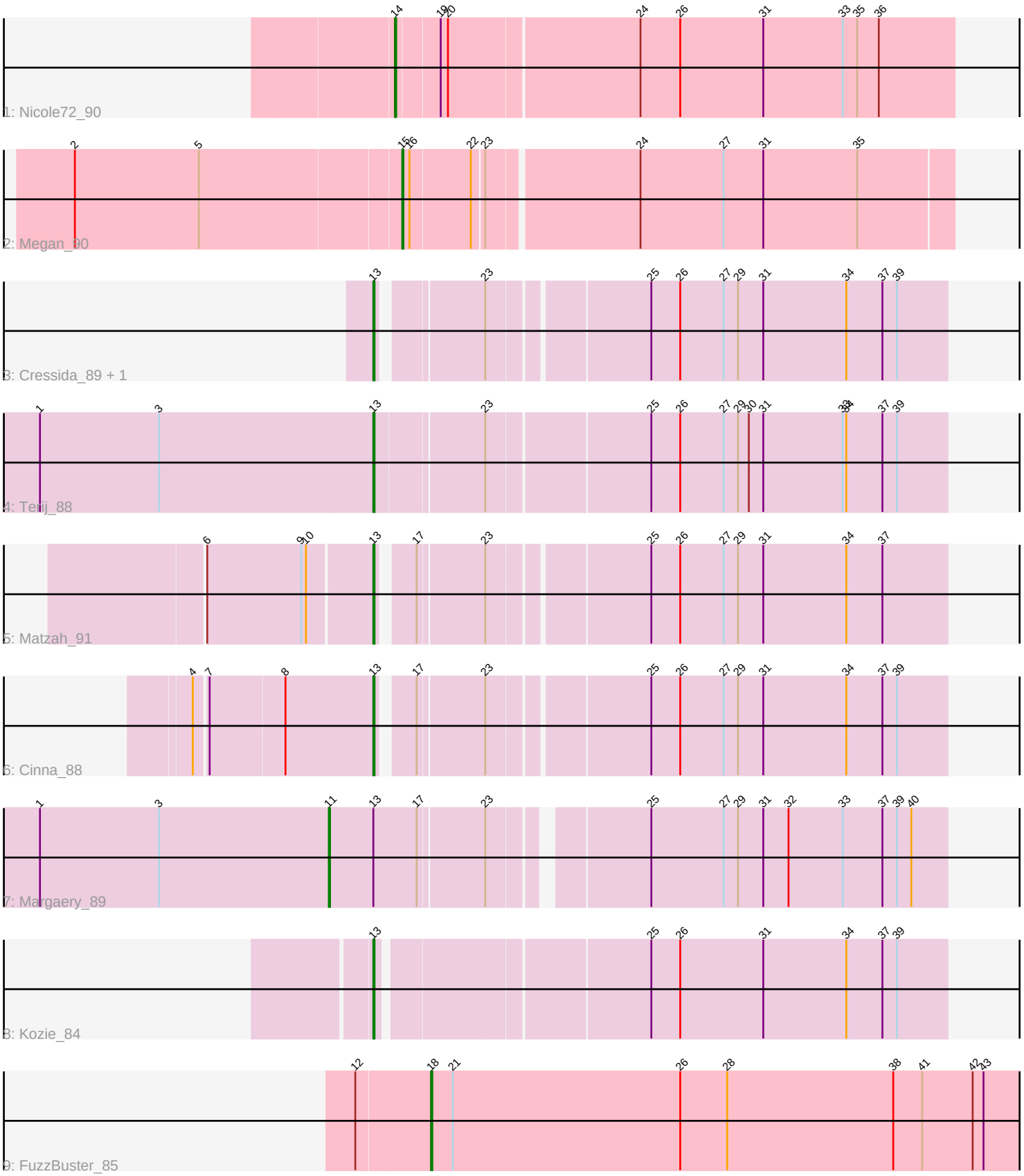
Pham 338687


14
19
20
24
26
31
33
35
36
1: Nicole72_90
2
5
15
16
22
23
24
27
31
35
2: Megan_90
13
23
25
26
27
29
31
34
37
39
3: Cressida_89 + 1
1
3
13
23
25
26
27
29
30
31
33
34
37
39
4: Terij_88
6
9
10
13
17
23
25
26
27
29
31
34
37
5: Matzah_91
4
7
8
13
17
23
25
26
27
29
31
34
37
39
6: Cinna_88
1
3
11
13
17
23
25
27
29
31
32
33
37
39
40
7: Margaery_89
13
25
26
31
34
37
39
8: Kozie_84
12
18
21
26
28
38
41
42
43
9: FuzzBuster_85

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 338687 Report

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

Pham number 338687 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Nicole72_90
• Track 2 : Megan_90
• Track 3 : Cressida_89, MementoMori_90
• Track 4 : Terij_88
• Track 5 : Matzah_91
• Track 6 : Cinna_88
• Track 7 : Margaery_89
• Track 8 : Kozie_84
• Track 9 : FuzzBuster_85

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 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cinna_88, Cressida_89, Kozie_84, Matzah_91, MementoMori_90, Terij_88,

Genes that have the "Most Annotated" start but do not call it:
• Margaery_89,

Genes that do not have the "Most Annotated" start:
• FuzzBuster_85, Megan_90, Nicole72_90,

Summary by start number:

Start 11:
• 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: Margaery_89 (EI),

Start 13:
• Found in 7 of 10 (70.0%) of genes in pham

• Manual Annotations of this start: 6 of 10
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Cinna_88 (EI), Cressida_89 (EI), Kozie_84 (EI), Matzah_91 (EI), MementoMori_90 (EI), Terij_88 (EI),

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: Nicole72_90 (EC),

Start 15:
• 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: Megan_90 (EC),

Start 18:
• 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: FuzzBuster_85 (GM),

Summary by clusters:

There are 3 clusters represented in this pham: GM, EI, EC,

Info for manual annotations of cluster EC:
•Start number 14 was manually annotated 1 time for cluster EC.
•Start number 15 was manually annotated 1 time for cluster EC.

Info for manual annotations of cluster EI:
•Start number 11 was manually annotated 1 time for cluster EI.
•Start number 13 was manually annotated 6 times for cluster EI.

Info for manual annotations of cluster GM:
•Start number 18 was manually annotated 1 time for cluster GM.

Gene Information:

Gene: Cinna_88 Start: 51926, Stop: 52369, Start Num: 13
Candidate Starts for Cinna_88:
(4, 51785), (7, 51794), (8, 51854), (Start: 13 @51926 has 6 MA's), (17, 51950), (23, 52001), (25, 52124), (26, 52148), (27, 52184), (29, 52196), (31, 52217), (34, 52286), (37, 52316), (39, 52328),

Gene: Cressida_89 Start: 51894, Stop: 52337, Start Num: 13
Candidate Starts for Cressida_89:
(Start: 13 @51894 has 6 MA's), (23, 51969), (25, 52092), (26, 52116), (27, 52152), (29, 52164), (31, 52185), (34, 52254), (37, 52284), (39, 52296),

Gene: FuzzBuster_85 Start: 54193, Stop: 54765, Start Num: 18

Candidate Starts for FuzzBuster_85:
(12, 54133), (Start: 18 @54193 has 1 MA's), (21, 54211), (26, 54400), (28, 54439), (38, 54577), (41, 54601), (42, 54643), (43, 54652),

Gene: Kozie_84 Start: 50636, Stop: 51091, Start Num: 13
Candidate Starts for Kozie_84:
(Start: 13 @50636 has 6 MA's), (25, 50846), (26, 50870), (31, 50939), (34, 51008), (37, 51038), (39, 51050),

Gene: Margaery_89 Start: 52139, Stop: 52621, Start Num: 11
Candidate Starts for Margaery_89:
(1, 51899), (3, 51998), (Start: 11 @52139 has 1 MA's), (Start: 13 @52175 has 6 MA's), (17, 52211), (23, 52262), (25, 52376), (27, 52436), (29, 52448), (31, 52469), (32, 52490), (33, 52535), (37, 52568), (39, 52580), (40, 52592),

Gene: Matzah_91 Start: 52212, Stop: 52655, Start Num: 13
Candidate Starts for Matzah_91:
(6, 52083), (9, 52158), (10, 52161), (Start: 13 @52212 has 6 MA's), (17, 52236), (23, 52287), (25, 52410), (26, 52434), (27, 52470), (29, 52482), (31, 52503), (34, 52572), (37, 52602),

Gene: Megan_90 Start: 54674, Stop: 55114, Start Num: 15
Candidate Starts for Megan_90:
(2, 54410), (5, 54512), (Start: 15 @54674 has 1 MA's), (16, 54680), (22, 54728), (23, 54737), (24, 54857), (27, 54926), (31, 54959), (35, 55037),

Gene: MementoMori_90 Start: 51615, Stop: 52058, Start Num: 13
Candidate Starts for MementoMori_90:
(Start: 13 @51615 has 6 MA's), (23, 51690), (25, 51813), (26, 51837), (27, 51873), (29, 51885), (31, 51906), (34, 51975), (37, 52005), (39, 52017),

Gene: Nicole72_90 Start: 54883, Stop: 55335, Start Num: 14
Candidate Starts for Nicole72_90:
(Start: 14 @54883 has 1 MA's), (19, 54916), (20, 54922), (24, 55075), (26, 55108), (31, 55177), (33, 55243), (35, 55255), (36, 55273),

Gene: Terij_88 Start: 51745, Stop: 52203, Start Num: 13
Candidate Starts for Terij_88:
(1, 51469), (3, 51568), (Start: 13 @51745 has 6 MA's), (23, 51829), (25, 51958), (26, 51982), (27, 52018), (29, 52030), (30, 52039), (31, 52051), (33, 52117), (34, 52120), (37, 52150), (39, 52162),