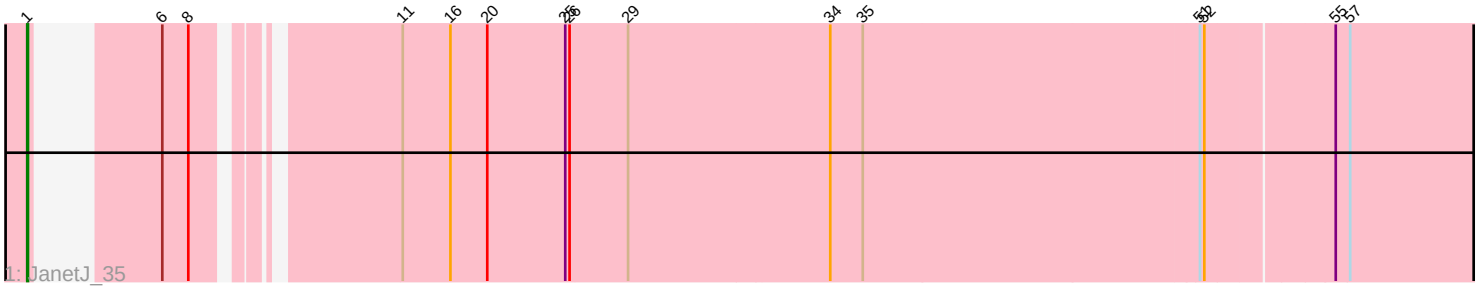
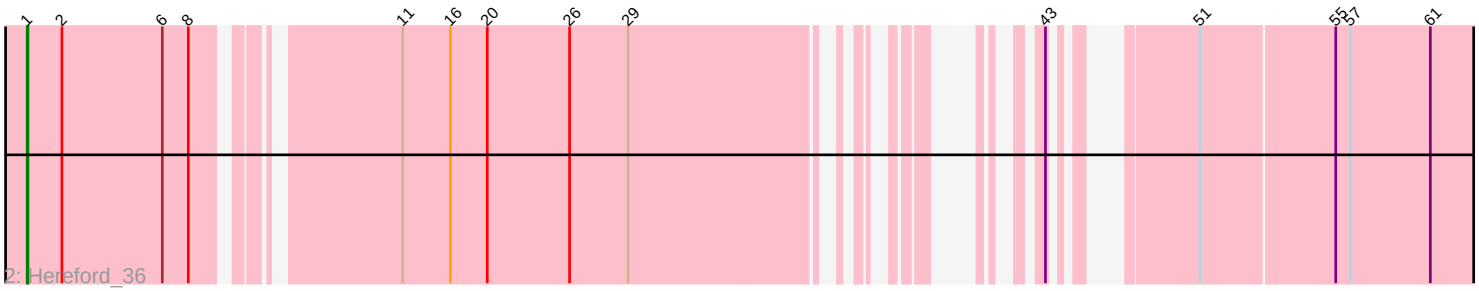
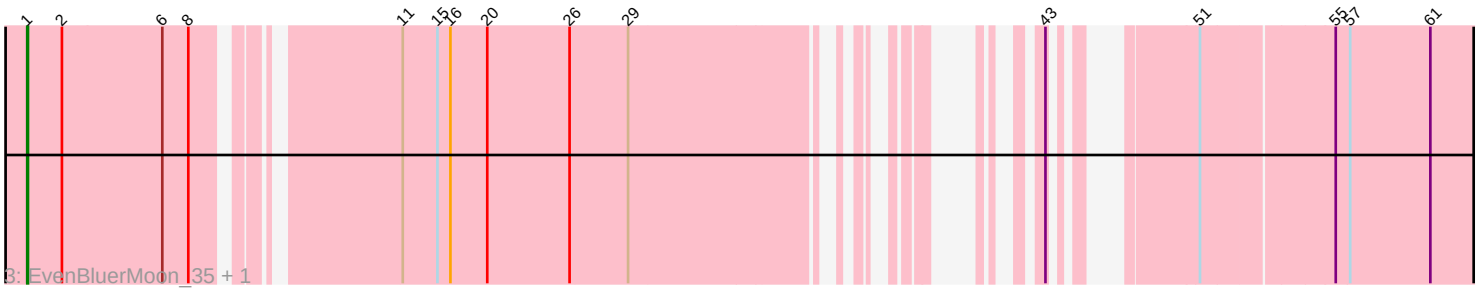
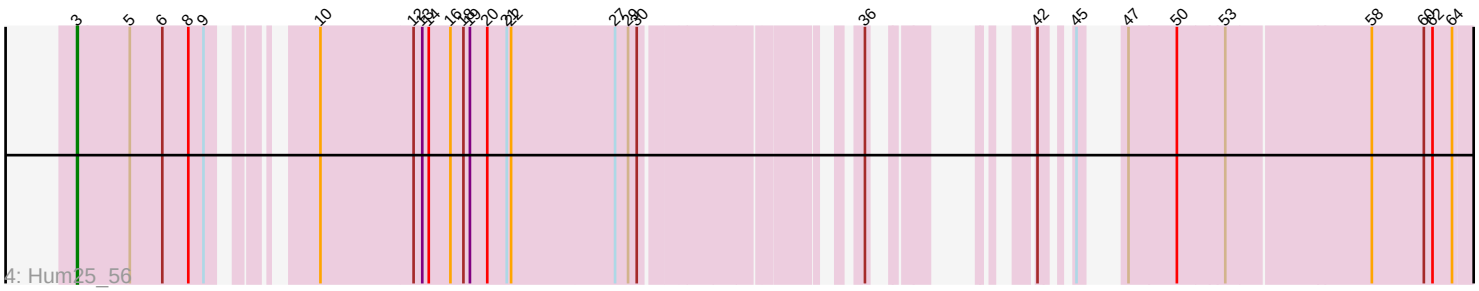
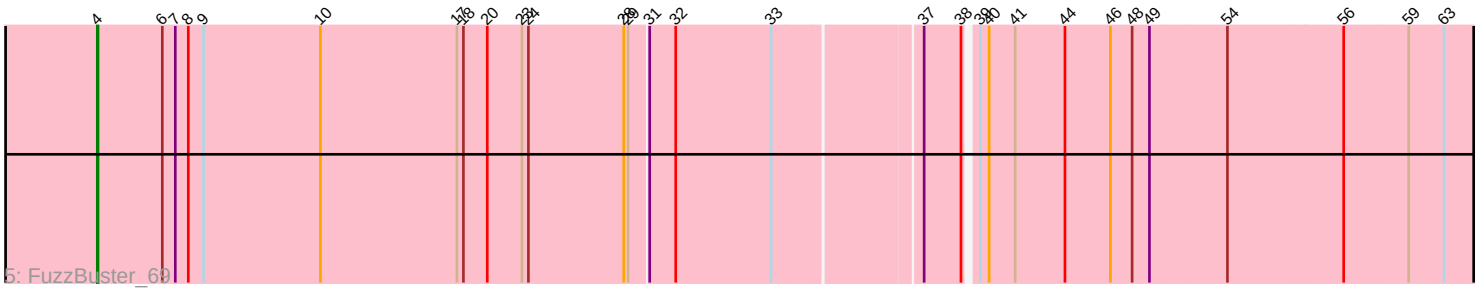
Pham 348381


1
6
8
11
16
20
26
29
34
35
52
55
57
1: JanetJ_35


1
2
6
8
11
16
20
26
29
43
51
55
57
61
2: Hereford_36


1
2
6
8
11
16
20
26
29
43
51
55
57
61
3: EvenBluerMoon_35 + 1


3
5
6
8
9
10
20
22
27
29
30
36
42
45
47
50
53
58
60
62
64
4: Hum25_56


4
6
7
8
9
10
20
31
32
33
37
38
40
41
44
46
48
49
54
56
59
63
5: FuzzBuster_69

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 348381 Report

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

Pham number 348381 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : JanetJ_35
• Track 2 : Hereford_36
• Track 3 : EvenBluerMoon_35, PrairieDogTown_36
• Track 4 : Hum25_56
• Track 5 : FuzzBuster_69

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EvenBluerMoon_35, Hereford_36, JanetJ_35, PrairieDogTown_36,

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

Genes that do not have the "Most Annotated" start:
• FuzzBuster_69, Hum25_56,

Summary by start number:

Start 1:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EvenBluerMoon_35 (FO), Hereford_36 (FO), JanetJ_35 (FO), PrairieDogTown_36 (FO),

Start 3:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hum25_56 (FQ1),

Start 4:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FuzzBuster_69 (GM),

Summary by clusters:

There are 3 clusters represented in this pham: GM, FQ1, FO,

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

Info for manual annotations of cluster FQ1:
•Start number 3 was manually annotated 1 time for cluster FQ1.

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

Gene Information:

Gene: EvenBluerMoon_35 Start: 27808, Stop: 29394, Start Num: 1
Candidate Starts for EvenBluerMoon_35:
(Start: 1 @27808 has 4 MA's), (2, 27856), (6, 27994), (8, 28030), (11, 28258), (15, 28306), (16, 28324), (20, 28375), (26, 28489), (29, 28567), (43, 28906), (51, 29026), (55, 29197), (57, 29215), (61, 29326),

Gene: FuzzBuster_69 Start: 41767, Stop: 39908, Start Num: 4
Candidate Starts for FuzzBuster_69:
(Start: 4 @41767 has 1 MA's), (6, 41677), (7, 41659), (8, 41641), (9, 41620), (10, 41458), (17, 41269), (18, 41260), (20, 41227), (23, 41179), (24, 41170), (28, 41038), (29, 41032), (31, 41008), (32, 40972), (33, 40840), (37, 40651), (38, 40600), (39, 40588), (40, 40576), (41, 40540), (44, 40471), (46, 40408), (48, 40378), (49, 40354), (54, 40249), (56, 40090), (59, 40003), (63, 39955),

Gene: Hereford_36 Start: 27642, Stop: 29228, Start Num: 1
Candidate Starts for Hereford_36:
(Start: 1 @27642 has 4 MA's), (2, 27690), (6, 27828), (8, 27864), (11, 28092), (16, 28158), (20, 28209), (26, 28323), (29, 28401), (43, 28740), (51, 28860), (55, 29031), (57, 29049), (61, 29160),

Gene: Hum25_56 Start: 30981, Stop: 32510, Start Num: 3
Candidate Starts for Hum25_56:
(Start: 3 @30981 has 1 MA's), (5, 31053), (6, 31098), (8, 31134), (9, 31155), (10, 31251), (12, 31377), (13, 31389), (14, 31398), (16, 31428), (18, 31446), (19, 31455), (20, 31479), (21, 31506), (22, 31512), (27, 31653), (29, 31671), (30, 31683), (36, 31917), (42, 32010), (45, 32034), (47, 32055), (50, 32121), (53, 32184), (58, 32376), (60, 32448), (62, 32460), (64, 32487),

Gene: JanetJ_35 Start: 28312, Stop: 30129, Start Num: 1
Candidate Starts for JanetJ_35:
(Start: 1 @28312 has 4 MA's), (6, 28411), (8, 28447), (11, 28675), (16, 28741), (20, 28792), (25, 28900), (26, 28906), (29, 28984), (34, 29257), (35, 29302), (51, 29761), (52, 29767), (55, 29932), (57, 29950),

Gene: PrairieDogTown_36 Start: 27810, Stop: 29396, Start Num: 1
Candidate Starts for PrairieDogTown_36:
(Start: 1 @27810 has 4 MA's), (2, 27858), (6, 27996), (8, 28032), (11, 28260), (15, 28308), (16, 28326), (20, 28377), (26, 28491), (29, 28569), (43, 28908), (51, 29028), (55, 29199), (57, 29217), (61, 29328),