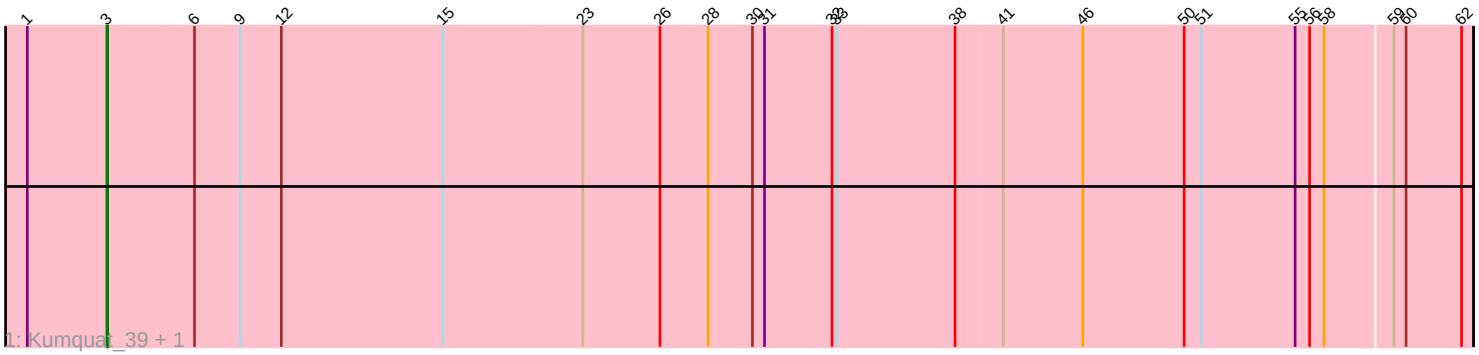
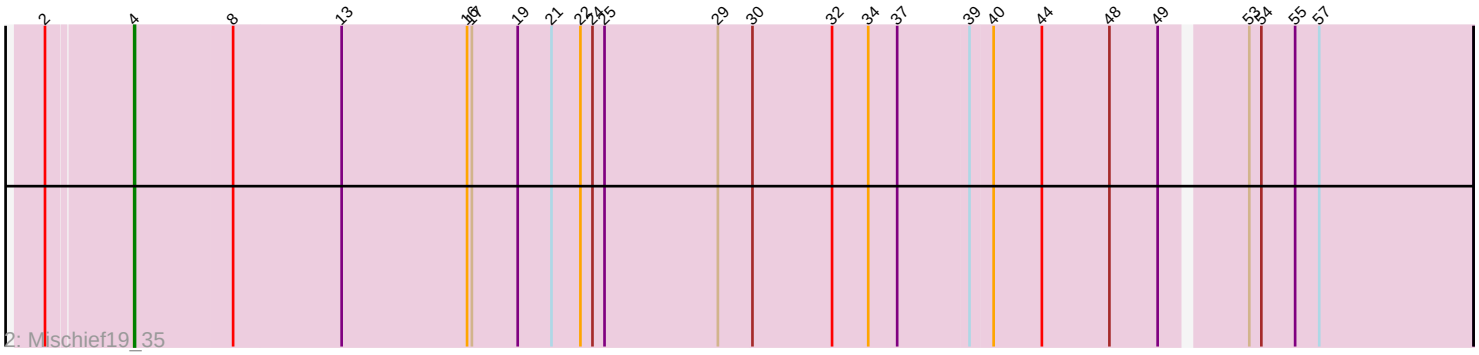
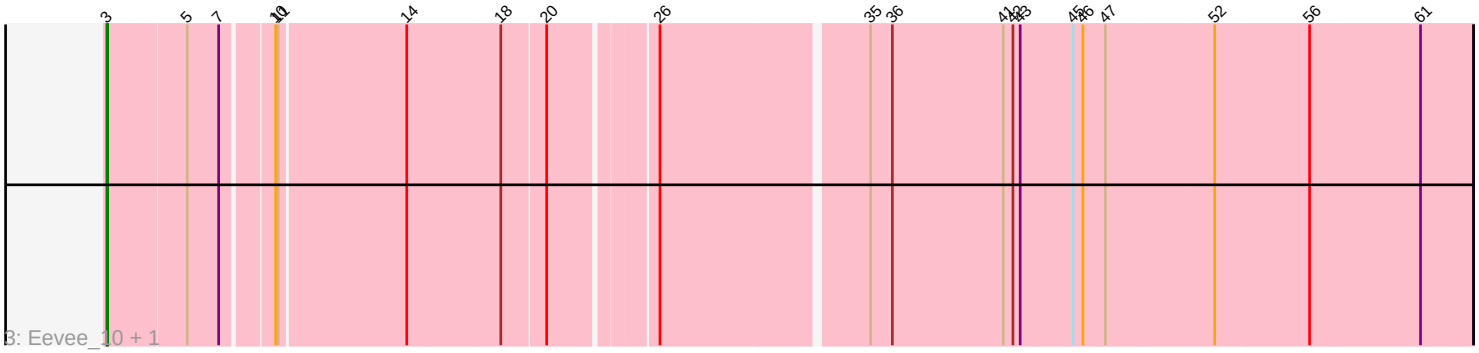
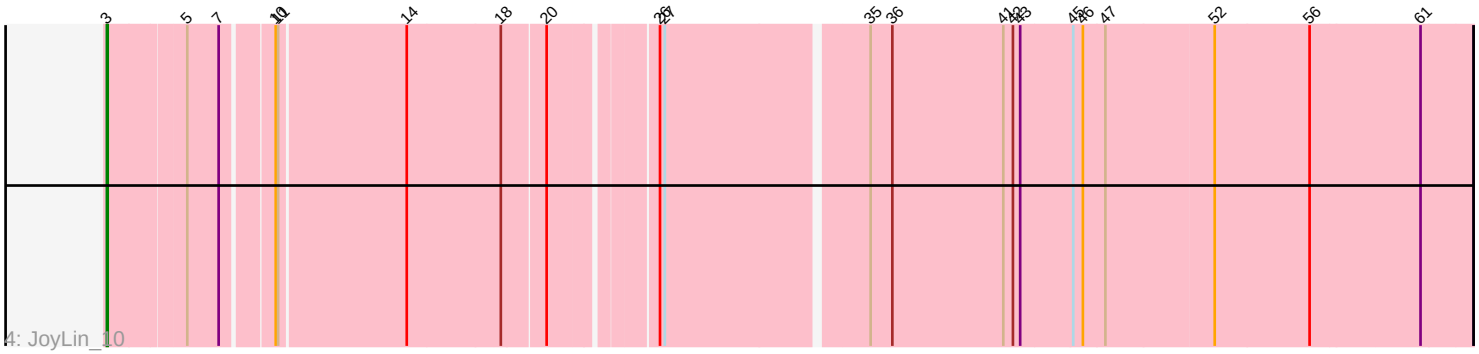
Pham 348340


1
3
6
9
12
15
23
26
28
30
31
38
41
46
50
51
55
56
58
59
60
62
1: Kumquat_39 + 1


2
4
8
13
19
21
22
24
25
29
30
32
34
37
39
40
44
48
49
53
54
55
57
2: Mischief19_35


3
5
7
14
18
20
26
35
36
47
52
56
61
3: Eevee_10 + 1


3
5
7
14
18
20
35
36
47
52
56
61
4: JoyLin_10

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 348340 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 348340 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Kumquat_39, Zeigle_39
• Track 2 : Mischief19_35
• Track 3 : Eevee_10, Yotsuba_10
• Track 4 : JoyLin_10

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

Genes that call this "Most Annotated" start:
• Eevee_10, JoyLin_10, Kumquat_39, Yotsuba_10, Zeigle_39,

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

Genes that do not have the "Most Annotated" start:
• Mischief19_35,

Summary by start number:

Start 3:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Eevee_10 (JA), JoyLin_10 (JA), Kumquat_39 (BF), Yotsuba_10 (JA), Zeigle_39 (BF),

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: Mischief19_35 (BG),

Summary by clusters:

There are 3 clusters represented in this pham: BF, BG, JA,

Info for manual annotations of cluster BF:
•Start number 3 was manually annotated 2 times for cluster BF.

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

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

Gene Information:

Gene: Eevee_10 Start: 6629, Stop: 8215, Start Num: 3
Candidate Starts for Eevee_10:
(Start: 3 @6629 has 5 MA's), (5, 6719), (7, 6755), (10, 6812), (11, 6815), (14, 6968), (18, 7079), (20, 7130), (26, 7244), (35, 7487), (36, 7514), (41, 7652), (42, 7664), (43, 7673), (45, 7736), (46, 7745), (47, 7772), (52, 7904), (56, 8021), (61, 8153),

Gene: JoyLin_10 Start: 6629, Stop: 8215, Start Num: 3
Candidate Starts for JoyLin_10:
(Start: 3 @6629 has 5 MA's), (5, 6719), (7, 6755), (10, 6812), (11, 6815), (14, 6968), (18, 7079), (20, 7130), (26, 7244), (27, 7250), (35, 7487), (36, 7514), (41, 7652), (42, 7664), (43, 7673), (45, 7736), (46, 7745), (47, 7772), (52, 7904), (56, 8021), (61, 8153),

Gene: Kumquat_39 Start: 20339, Stop: 22009, Start Num: 3
Candidate Starts for Kumquat_39:
(1, 20240), (Start: 3 @20339 has 5 MA's), (6, 20441), (9, 20495), (12, 20546), (15, 20747), (23, 20918), (26, 21014), (28, 21074), (30, 21128), (31, 21143), (32, 21227), (33, 21233), (38, 21380), (41, 21434), (46, 21533), (50, 21659), (51, 21680), (55, 21797), (56, 21815), (58, 21833), (59, 21914), (60, 21929), (62, 21995),

Gene: Mischief19_35 Start: 35508, Stop: 37142, Start Num: 4
Candidate Starts for Mischief19_35:
(2, 35406), (Start: 4 @35508 has 1 MA's), (8, 35628), (13, 35760), (16, 35916), (17, 35922), (19, 35979), (21, 36021), (22, 36057), (24, 36072), (25, 36087), (29, 36228), (30, 36270), (32, 36369), (34, 36414), (37, 36450), (39, 36537), (40, 36564), (44, 36624), (48, 36708), (49, 36768), (53, 36864), (54, 36879), (55, 36921), (57, 36951),

Gene: Yotsuba_10 Start: 6629, Stop: 8215, Start Num: 3
Candidate Starts for Yotsuba_10:
(Start: 3 @6629 has 5 MA's), (5, 6719), (7, 6755), (10, 6812), (11, 6815), (14, 6968), (18, 7079), (20, 7130), (26, 7244), (35, 7487), (36, 7514), (41, 7652), (42, 7664), (43, 7673), (45, 7736), (46, 7745), (47, 7772), (52, 7904), (56, 8021), (61, 8153),

Gene: Zeigle_39 Start: 20339, Stop: 22009, Start Num: 3
Candidate Starts for Zeigle_39:
(1, 20240), (Start: 3 @20339 has 5 MA's), (6, 20441), (9, 20495), (12, 20546), (15, 20747), (23, 20918), (26, 21014), (28, 21074), (30, 21128), (31, 21143), (32, 21227), (33, 21233), (38, 21380), (41, 21434), (46, 21533), (50, 21659), (51, 21680), (55, 21797), (56, 21815), (58, 21833), (59, 21914), (60, 21929), (62, 21995),