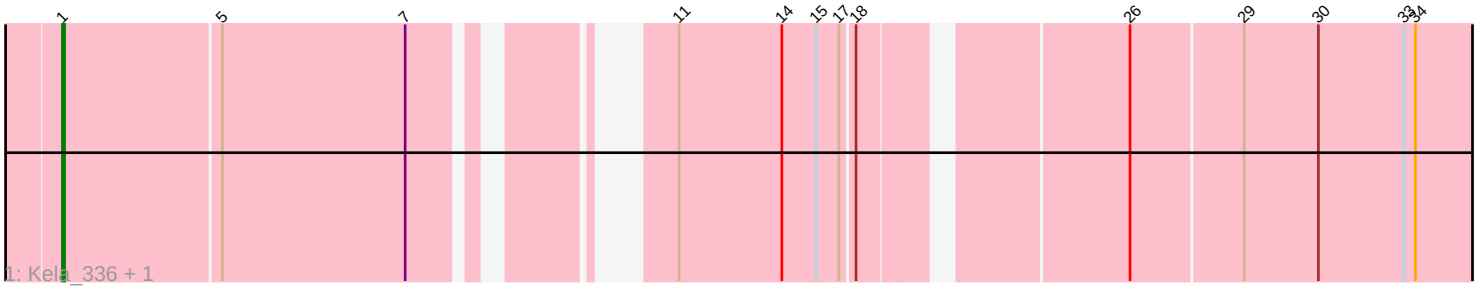
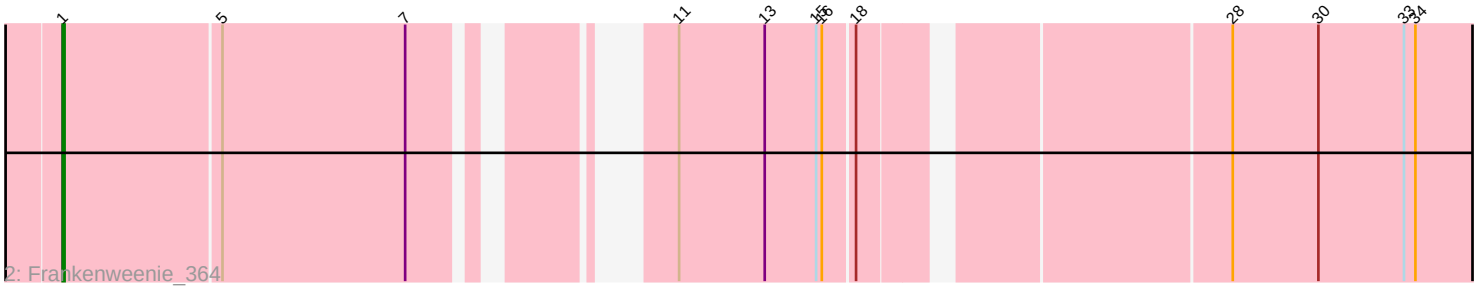
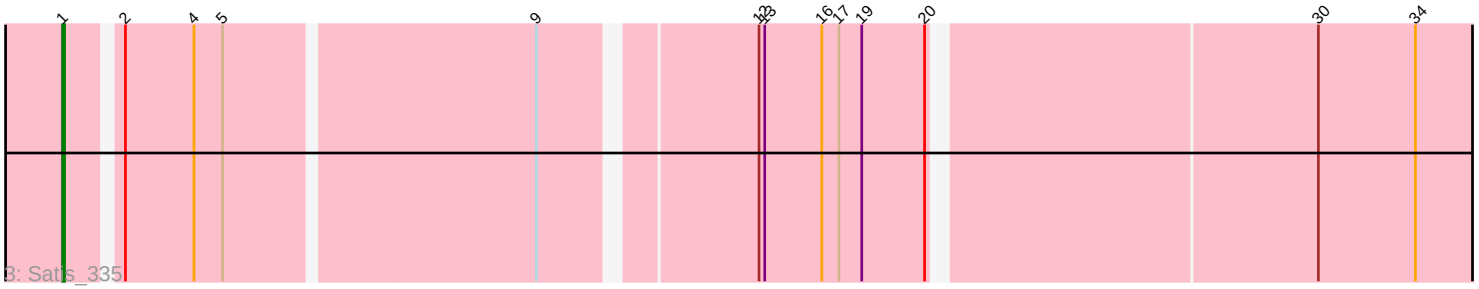
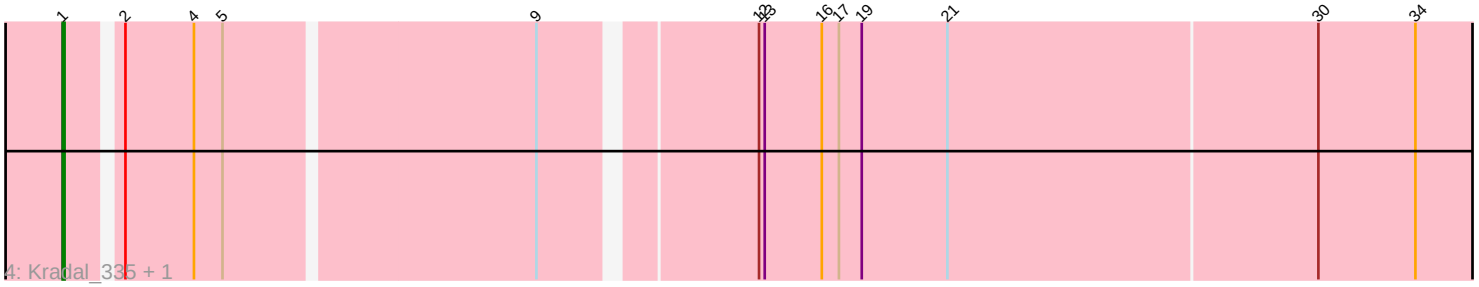
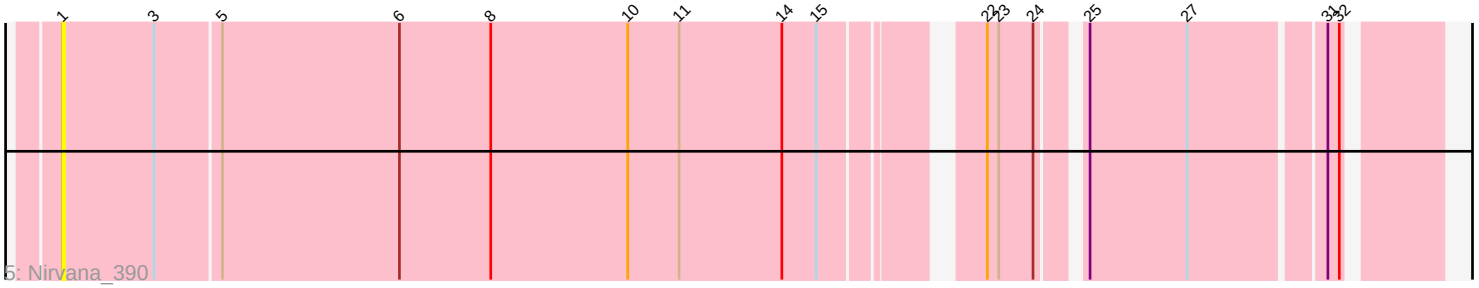
Pham 7494


1
5
7
11
14
15
17
18
26
29
30
33
34
1: Kela_336 + 1


1
5
7
11
13
15
16
18
28
30
33
34
2: Frankenweenie_364


1
2
4
5
9
12
13
16
17
19
20
30
34
3: Satis_335


1
2
4
5
9
12
13
16
17
19
21
30
34
4: Kradal_335 + 1


1
3
5
6
8
10
11
14
15
22
23
24
25
27
31
32
5: Nirvana_390

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 7494 Report

This analysis was run 04/05/24 on database version 557.

Pham number 7494 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Kela_336, JustBecause_338
• Track 2 : Frankenweenie_364
• Track 3 : Satis_335
• Track 4 : Kradal_335, EhyElimayoE_338
• Track 5 : Nirvana_390

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

Genes that call this "Most Annotated" start:
• EhyElimayoE_338, Frankenweenie_364, JustBecause_338, Kela_336, Kradal_335, Nirvana_390, Satis_335,

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

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

Summary by start number:

Start 1:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EhyElimayoE_338 (BM), Frankenweenie_364 (BM), JustBecause_338 (BM), Kela_336 (BM), Kradal_335 (BM), Nirvana_390 (BM), Satis_335 (BM),

Summary by clusters:

There is one cluster represented in this pham: BM

Info for manual annotations of cluster BM:
•Start number 1 was manually annotated 6 times for cluster BM.

Gene Information:

Gene: EhyElimayoE_338 Start: 182026, Stop: 181265, Start Num: 1
Candidate Starts for EhyElimayoE_338:
(Start: 1 @182026 has 6 MA's), (2, 182002), (4, 181966), (5, 181951), (9, 181795), (12, 181693), (13, 181690), (16, 181660), (17, 181651), (19, 181639), (21, 181594), (30, 181402), (34, 181351),

Gene: Frankenweenie_364 Start: 195291, Stop: 194584, Start Num: 1
Candidate Starts for Frankenweenie_364:
(Start: 1 @195291 has 6 MA's), (5, 195210), (7, 195114), (11, 195024), (13, 194979), (15, 194952), (16, 194949), (18, 194934), (28, 194760), (30, 194715), (33, 194670), (34, 194664),

Gene: JustBecause_338 Start: 179352, Stop: 178645, Start Num: 1
Candidate Starts for JustBecause_338:
(Start: 1 @179352 has 6 MA's), (5, 179271), (7, 179175), (11, 179085), (14, 179031), (15, 179013), (17, 179001), (18, 178995), (26, 178872), (29, 178815), (30, 178776), (33, 178731), (34, 178725),

Gene: Kela_336 Start: 180376, Stop: 179669, Start Num: 1
Candidate Starts for Kela_336:
(Start: 1 @180376 has 6 MA's), (5, 180295), (7, 180199), (11, 180109), (14, 180055), (15, 180037), (17, 180025), (18, 180019), (26, 179896), (29, 179839), (30, 179800), (33, 179755), (34, 179749),

Gene: Kradal_335 Start: 182023, Stop: 181262, Start Num: 1
Candidate Starts for Kradal_335:
(Start: 1 @182023 has 6 MA's), (2, 181999), (4, 181963), (5, 181948), (9, 181792), (12, 181690), (13, 181687), (16, 181657), (17, 181648), (19, 181636), (21, 181591), (30, 181399), (34, 181348),

Gene: Nirvana_390 Start: 199103, Stop: 198435, Start Num: 1
Candidate Starts for Nirvana_390:
(Start: 1 @199103 has 6 MA's), (3, 199055), (5, 199022), (6, 198929), (8, 198881), (10, 198809), (11, 198782), (14, 198728), (15, 198710), (22, 198644), (23, 198638), (24, 198620), (25, 198602), (27, 198551), (31, 198485), (32, 198479),

Gene: Satis_335 Start: 182346, Stop: 181597, Start Num: 1
Candidate Starts for Satis_335:
(Start: 1 @182346 has 6 MA's), (2, 182322), (4, 182286), (5, 182271), (9, 182115), (12, 182013), (13, 182010), (16, 181980), (17, 181971), (19, 181959), (20, 181926), (30, 181734), (34, 181683),